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February 19, 2021

Washington Department of Ecology
Northwest Regional Office
Attn: VCP Coordinator
3190 160th Avenue SE
Bellevue, WA 98008-5452

Dear VCP Coordinator:

Please find the enclosed Subsurface Investigation Report, that documents the results at ARCO Facility No. 980 located at 10822 Roosevelt Way NE, Seattle, Washington.

Sincerely yours,

A handwritten signature in black ink, appearing to read 'Wade Melton', written over a light blue rectangular background.

Wade Melton
Operations Project Manager
Remediation Management Services Company
An affiliate of Atlantic Richfield Company

cc: File, Antea Group

A small green square icon containing a white stylized leaf or drop shape.

Subsurface Investigation Report

ARCO Facility No. 980
10822 Roosevelt Way NE, Seattle, Washington

Antea® Group

Understanding today.
Improving tomorrow.

PREPARED FOR

Remediation Management Services
Company

An affiliate of Atlantic Richfield Company
4 Centerpointe Drive, Suite 200
Room LPR-4-222
La Palma, CA 90623

PREPARED BY

Antea Group, Seattle WA
February 19, 2021
Project # 00980SA201
FSID # 68996432

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Subsurface Investigation Report

ARCO Facility No. 980

10822 Roosevelt Way NE, Seattle, Washington

1.0 INTRODUCTION

1.1 PURPOSE AND SCOPE OF WORK

On behalf of Remediation Management Services Company (RMSC, a BP affiliated company), Antea®Group (Antea Group) conducted a subsurface investigation at Atlantic Richfield Company (ARCO) Facility No. 980, located at 10822 Roosevelt Way NE, Seattle, King County, Washington (hereinafter referred to as the “Site”). The investigation, which consisted of the installation of three monitoring wells, was conducted in November 2020. The objective of this assessment was to delineate the extent of the Washington State Department of Ecology’s (Ecology) Model Toxics Control Act (MTCA) Site boundary south of the existing monitoring well network at the Site.

The investigation scope of work included the following:

- Update the Health and Safety Plan (HASP) for the Site.
- Request a public locate via the One-Call Notification Center.
- Conduct a meeting with subcontractors to develop Level 2 Task Risk Assessment (TRA);
- Contract Applied Professional Services (APS) of North Bend, WA to identify all private utilities at the Site.
- Conduct utility pre-clearance at each boring location to a minimum of 6.5 feet below ground surface (bgs) using a vacuum truck and air-knife.
- Advance three soil borings and subsequently complete them as 2-inch diameter monitoring wells to an approximate depth of 20 feet bgs using a sonic drill rig.
- Collect soil samples and submit select samples for quantitative chemical analyses.
- Develop the newly installed groundwater monitoring wells.
- Survey the locations and relative vertical elevations of the monitoring wells.
- Collect groundwater samples from monitoring wells and submit the samples for quantitative chemical analyses.
- Coordinate the proper disposal of investigation derived waste.
- Interpret the data obtained; and
- Prepare this report.

1.2 SITE DESCRIPTION

The Site is an active ARCO branded retail gasoline station with a convenience store located on the southeast corner of the intersection of Roosevelt Way NE and NE Northgate Way in Seattle, Washington. A Site Location Map and Site Aerial Map are presented as Figures 1 and 2, respectively. The Site extends south to the Caribbean House Apartments. The parking lot of the apartment building is approximately 5 feet lower in elevation than the station’s grade. The two properties are separated by a cinder block retaining wall. The Site vicinity is a mix of commercial and residential land uses. The closest surface water body is Thornton Creek located approximately 250 feet south of the Site. According to Google Earth, the Site is approximately 260 feet above mean sea level.

Site features include the station building with a canopy extending north from the building over two pump islands and a separate canopy west of the building over a third pump island. The underground storage tank (UST) complex containing four double-walled tanks is located to the northeast of the station building. The Site surface consists of asphalt pavement and concrete except in three designated planter areas. A Site Map detailing the structures is presented on Figure 3.

1.3 PREVIOUS INVESTIGATIONS

A summary of previous assessments is described below:

1.3.1 DECEMBER 1989 – PRELIMINARY SOIL ASSESSMENT

On September 12, 1989, ARCO contracted Geraghty & Miller (G&M) to install four soil borings (B1 – B4) in the vicinity of the UST complex at the Site. The soil borings were installed as part of a preliminary soil assessment prior to UST removal activities. Hydrocarbon concentrations were detected above MTCA Method A cleanup levels at three of the four borings. Additional information pertaining to this investigation was reported in G&M's Preliminary Subsurface Assessment Report dated October 25, 1989.

1.3.2 OCTOBER 1990 – STATION UPGRADES

In October 1990, ARCO contracted Joe Hall Construction Company to remove four gasoline USTs, and the associated product distribution piping from the Site. The USTs consisted of one 10,000-gallon steel UST, and three 6,000-gallon steel USTs. Petroleum hydrocarbon concentrations were detected above the MTCA Method A Cleanup Levels in soil samples collected from the UST cavity and from below the product lines. During excavation activities, an abandoned septic tank was discovered. Light non-aqueous phase liquid (LNAPL) was measured in the abandoned septic tank and the contents were removed; however, the septic tank was left in place due to the proximity to structures on the ARCO property. In addition to the gasoline USTs, a waste oil UST was also reportedly removed. Additional information pertaining to this investigation was reported in G&M's Site Assessment During Underground Storage Tank Removal report dated August 7, 1991.

1.3.3 MARCH 1992 – SOIL GAS SURVEY

On March 30 and 31, 1992, G&M subcontracted Tracer Research Corporation (Tracer) to conduct a soil-gas survey at the Site to determine the approximate distribution of hydrocarbons and potential locations for bioventing and monitoring wells. Fifteen soil-gas samples were collected and analyzed onsite by Tracer for total volatile hydrocarbons (TVH) and benzene, toluene, ethylbenzene, and xylenes (BTEX). Soil-gas as TVH was detected in 10 of the soil-gas samples. The highest concentrations of TVH were detected in samples collected along the east side of the Site from sampling locations SG-1 at 11 feet bgs and SG-2 at 8 feet bgs. Additional information pertaining to this investigation was reported in Tracer's Shallow Soil Gas Investigation dated April 13, 1992.

1.3.4 AUGUST AND SEPTEMBER 1992 – MONITORING WELL AND BIOVENTING WELL INSTALLATION

Between August 18 and 21 1992, ARCO contracted G&M to install 10 soil borings at the Site. Five soil borings were subsequently completed as groundwater monitoring wells (MW-1 through MW-5), and five borings were completed as bioventing wells (BV-1 through BV-5). Petroleum hydrocarbon concentrations were detected above the MTCA Method A Cleanup Levels in soil samples collected from the borings for MW-1, MW-4, MW-5, BV 3, and BV-5. Groundwater samples were collected from each of the five monitoring wells on September 22, 1992. Groundwater samples collected from MW-2, MW-4, and MW-5 contained concentrations of dissolved petroleum hydrocarbons, BTEX, total petroleum hydrocarbons as diesel (TPH-D), and/or total lead in excess of

cleanup levels. LNAPL was subsequently measured in wells MW-4 and BV-3 in March 1993. Additional information pertaining to this investigation was reported in G&M's Site Characterization dated January 28, 1993.

1.3.5 1993 – MONITORING WELL INSTALLATION AND SOIL VAPOR EXTRACTION PILOT TEST

In early 1993, ARC contracted G&M to install four additional soil borings to further delineate soil and groundwater contamination at the Site. Two soil borings were subsequently completed as groundwater monitoring wells (MW-6 and MW-7), and two borings were completed as bioventing wells (BV-6 and BV-7). In addition to the subsurface investigation, a soil vapor extraction (SVE) feasibility test was conducted on select bioventing wells. Soil samples collected from MW-6 and BV-7 contained concentrations of petroleum hydrocarbons in excess of cleanup levels. Additional information pertaining to this investigation was reported in G&M's Additional Site Characterization and Soil Vapor Extraction Field Testing report dated July 12, 1993.

1.3.6 SEPTEMBER 1993 – OFFSITE INVESTIGATION

James P. Hurley and Company (JPHC) completed Phase I and Phase II Environmental Site Assessments (ESA) for the adjacent property located at 10800 Roosevelt Way NE, located just south of the ARCO station (Caribbean Apartments). The Phase II ESA included the installation of three soil borings on the Caribbean House Apartments property, two of which were completed as groundwater monitoring wells B1 (JPHC) and B3 (JPHC). The results of the assessment indicated the presence of elevated hydrocarbon concentrations in soil and groundwater. Additional information pertaining to this investigation was reported in JPHC's Phase II Environmental Site Assessment Report dated November 20, 1993.

1.3.7 1994 – OFFSITE INVESTIGATION AND WELL INSTALLATION

In early 1994, G&M completed a subsurface investigation on the Caribbean House Apartments property. The investigation consisted of the installation of nine soil borings. Three soil borings were completed as groundwater monitoring wells (MW-8 through MW-10), two as nested pressure and vacuum monitoring wells (VP-1 and VP-2), one soil vacuum extraction well nested with one air sparge well (SVE-1/AS-1) one SVE well (SVE-2), and two air sparge wells (AS-2 and AS-3). Additional information pertaining to this investigation was reported in G&M's Off-Site Assessment dated July 7, 1994.

1.3.8 SEPTEMBER 1994 – SOIL VAPOR EXTRACTION SYSTEM INSTALLATION

In September 1994, G&M installed a soil vapor extraction system with a combination thermal and catalytic oxidizer at the Site. The SVE system extracted from wells BV-3, BV-7 and MW-5. The SVE system was started in November 1994 by Delta Consultants (Delta).

1.3.9 MARCH 1995 – AIR SPARGE PILOT TEST

In March and April 1995, Delta oversaw the installation of two air sparge wells (AS-4 and AS-5), and one monitoring well (MW-11) at the Site. Soil samples AS-5-12 and MW-11-17 contained concentrations of total petroleum hydrocarbons as gasoline (TPH-G) at 1,200 parts per million (ppm) and 140 ppm, respectively. Concentrations of BTEX were detected in AS-5-12, ranging from 4.7 ppm (benzene) to 240 ppm (xylenes). Following installation of the air sparge wells, Delta completed an air sparge pilot test on the newly installed air sparge wells with favorable results. Additional information pertaining to this investigation was reported in Delta's Air Sparging Pilot Test Report dated November 8, 1995.

1.3.10 APRIL 1996 – REMEDIATION SYSTEM UPGRADES

In April 1996, the remediation system was shut down for system upgrades. Remediation system upgrades included the addition of air sparge components, the enlargement of existing SVE wells from 2 to 4-inch diameter wells and installing more SVE and air sparge wells. The remediation system was restarted on May 1, 1996.

1.3.11 JULY 1996 – ADDITIONAL ASSESSMENT

In July 1996, Delta oversaw the installation of soil borings B-4 and B-5 and monitoring well MW-12 on the Caribbean House Apartments property for additional assessment and delineation of soil and groundwater impacts. Soil analytical results indicated concentrations of TPH-G and/or benzene from sample B-4 and 20 feet bgs and MW-12 at 10 feet bgs. Additional information pertaining to this investigation was reported in Delta's Offsite Assessment Activities Report dated July 1996.

1.3.12 SEPTEMBER 1997 – ENHANCED FLUID RECOVERY PROGRAM

In September 1997, Delta began an enhanced fluid recovery (EFR) program for the recovery of LNAPL and petroleum hydrocarbon impacted groundwater from wells located on the Site and the Caribbean House Apartments property. EFR events were conducted through 2003. Details on volumes recovered are included in groundwater monitoring reports for the Site.

1.3.13 OCTOBER 1999 – AIR SPARGE SYSTEM SHUTDOWN

In October 1999, the air sparge portion of the remediation system was shut down.

1.3.14 AUGUST 2002 – TEMPORARY SYSTEM SHUTDOWN

In August 2002, the SVE system was shut down to evaluate LNAPL rebound.

1.3.15 OCTOBER 2005 – REMEDIATION SYSTEM EXPANSION

In October 2005, Delta oversaw the installation of additional remediation wells at the Site. In preparation for the installation of a dual phase extraction (DPE) remediation system, six extraction wells (EX-1 through EX-6) were installed along the southern portion of the ARCO property. Soil samples were collected during extraction well installation. Soil analytical results indicated the presence of benzene and TPH-G in the soil samples collected from EX-4 at 16.5 and 21 feet bgs. The system was tested and optimized before being placed in full-time operation in the first quarter 2008. The DPE system operated at the Site until fourth quarter 2012, when it was shut down and subsequently removed in August 2014. A total of 6,583,867 gallons of water was treated and discharged to sanitary sewer during the operational lifetime of the DPE system. Additional information was reported in and Delta's Remediation System Installation Report dated April 11, 2008.

1.3.16 DECEMBER 2014 – INJECTION WELL INSTALLATION

In December 2014, Innovex Environmental Management, Inc. (Innovex) personnel oversaw the installation of four injection wells IW-1 through IW-4 on the Caribbean House Apartments property to address remaining dissolved-phase and soil bound hydrocarbon impacts.

1.3.17 APRIL 2016 – HYDROGEN PEROXIDE INJECTION

In April 2016, Innovex contracted In-Situ Oxidative Technologies, Inc. (Isotec) to conduct injection of stabilized hydrogen peroxide in injection wells IW-1 through IW-4. On April 19, 2016, injection well IW-2 received 50 gallons of ferrous iron catalyst followed by 50 gallons of stabilized hydrogen peroxide. While preparing for injection in IW-1 Innovex measured and confirmed the presence of approximately 0.25 inches of LNAPL in IW-1.

Injections were stopped due to health and safety concerns associated with hydrogen peroxide application into free LNAPL.

1.3.18 JULY 2017 – VAPOR INTRUSION EVALUATION

In February and June 2017, PBS Engineering and Environmental Inc. (PBS) conducted a vapor intrusion evaluation at the Caribbean House Apartments property to determine whether petroleum contamination associated with the Site has the potential to adversely affect indoor air at the Apartments. Three vapor probes (SV-1 through SV-3) were installed along the north and east sides of the building. Vapor sampling was conducted on February 14, 2017. During this event, SV-2 and SV-3 contained water and were therefore unable to be sampled. The vapor sample from SV-1 contained naphthalene above the Ecology Screening Level (ESL). A second soil vapor sampling event was conducted on June 23, 2017 during which SV-3 still contained water. Samples were collected from SV-1 and SV-2, both of which contained naphthalene above the ESL. Additional information pertaining to this investigation was reported in PBS's Vapor Intrusion Evaluation dated July 2017.

1.3.19 NOVEMBER 2017 – VAPOR INTRUSION AND INDOOR QUALITY INVESTIGATION

In October 2017, PBS conducted a vapor intrusion and limited indoor air quality investigation at the Caribbean House Apartments to determine if indoor air had been affected by soil vapor intrusion. Indoor and outdoor air samples were collected over 8-hour sampling intervals to compare indoor air to ambient air conditions. No volatile organic compounds (VOC) concentrations exceeded the California Office of Environmental Health Hazard Assessments reference exposure levels adopted by PBS as the most protective cleanup standards for residential receptors. Additional information pertaining to this investigation was reported in PBS's Vapor Intrusion and Indoor Air Quality Investigation dated November 17, 2017.

1.3.20 DECEMBER 2018 – ORPHAN TANK DECOMMISSIONING

On December 12, 2018, Antea Group was notified of the presence of an unknown oily substance in an open trench cut at ARCO facility 980. Upon arrival at the site, Antea Group personnel observed the accumulated fluid and collected a sample for profiling. Laboratory analysis identified the fluid as a light, oil-range petroleum product with a chromatogram characteristic of transmission or hydraulic fluid. Between December 12 and 18, 2018, a previously unidentified 140-gallon oil tank was discovered and removed from the Site. Approximately 175 gallons of a mixture of oil, stormwater, sludge, soil, and rinse water was removed from the tank prior to removal from the ground on December 18, 2018. An area approximately 8 feet wide, 8 feet long, and 6 feet deep was excavated from around the tank to remove petroleum impacted soil. Soil samples contained petroleum hydrocarbon impacts in excess of the MTCA Method A Cleanup Levels. On January 2 and 3, 2019, additional soil was removed to extend each sidewall 3 to 4 feet beyond the prior limit and an additional 1 foot of soil was removed from the bottom of the excavation. Following removal of additional soil from the sidewalls, soil samples collected from the north, south and east sidewalls still contained petroleum hydrocarbon impacts in excess of the respective MTCA Method A Cleanup Levels. Due to the limits imposed by buried utilities and fuel dispensers in the area, no additional soil was removed. Additional information pertaining to this investigation was reported in Antea Group's Underground Storage Tank Removal Report dated May 13, 2019.

1.3.21 NOVEMBER 2018 AND JANUARY 2019 – VAPOR PROBE INSTALLATION AND NEAR-SLAB SOIL VAPOR SAMPLING

Antea Group oversaw the installation of four soil borings to depths between 5 and 8.25 feet bgs using a hand auger and subsequently completing them as soil vapor probes on November 11 and November 27, 2018. Soil samples were collected at approximately 5 feet bgs in borings SB-1 and SB-2; 5 feet and 8 feet in SB-3; and 3 feet and 4.5 feet in SB-4. Laboratory analytical results did not indicate petroleum hydrocarbons in excess of MTCA

Method A Cleanup Levels. Well screen intervals were positioned from 5.5 to 6 feet bgs in SG-1, from 5 to 5.5 feet bgs in SG-2, from 7.75 to 8.25 feet bgs in SG-3, and 4.5 to 5 feet bgs in SG-4. The depth to groundwater has historically ranged from 12.36 to 18.83 feet bgs in the vicinity of SG-1, from 8.65 to 21.82 in the vicinity of SG-2 and SG-3, and from 5.54 to 17.30 feet bgs in the vicinity of SG-4. The soil vapor probes were constructed in accordance with the provisions set forth in the Petroleum Vapor Intrusion Guidance Document prepared by The Interstate Technology & Regulatory Council (ITRC) Petroleum Vapor Intrusion Team, dated October 2014. Following vapor probe installation, soil vapor conditions were allowed to equilibrate for more than one month before sampling. Antea Group conducted seasonal soil vapor sampling from vapor probes SG-1 and SG-4 on January 15, 2019 and SG-2 on January 30, 2019. A soil vapor sample was not collected from SB-3 due to the presence of water. Laboratory analytical results indicated concentrations of BTEX, MTBE, naphthalene, and hexane were not detected in excess of Washington State ESLs in any of the samples collected. A second round of soil vapor sampling was completed on August 27, 2019 and samples were collected from SG-1, SG-2, SG-3, and SG-4. Laboratory analytical results indicated concentrations of BTEX, MTBE, naphthalene, and hexane were not detected in excess of Washington State ESLs in any of the samples collected. Additional information pertaining to this investigation was reported in Antea Group's Soil Vapor Probe Installation and Soil Vapor Sampling Report dated January 7, 2020.

1.3.22 SEPTEMBER 2019 – SITE INVESTIGATION

On September 9th and 10th, 2019 Antea Group oversaw the installation of four soil borings converted to permanent monitoring wells MW-13, MW-14, MW-15, and MW-16. Soil samples collected from MW-13 at 8, 10, and 14 feet bgs exceeded the TPH-G MTCA Method A Cleanup Level at concentrations of 930 milligrams per kilogram (mg/kg), 340 mg/kg, and 120 mg/kg, respectively. The soil sample collected from MW-15 at 5 feet bgs contained a total concentration of combined carcinogenic PAHs of 0.17385 mg/kg. Under WAC 173-340-708(8), Toxicity Equivalency Factors (TEF) are defined to establish Cleanup Levels for carcinogenic PAHs. When PAH concentrations are corrected for toxicity, the total concentration of combined carcinogenic PAHs is 0.03567, which is below the MTCA Method A Cleanup Level for combined carcinogenic PAHs. All other soil samples collected from MW-13, MW-14, MW-15, and MW-16 did not exceed MTCA Method A Cleanup Levels for benzene, TPH-G, TPH-D, or total petroleum hydrocarbons as oil (TPH-O). Groundwater analytical results from MW-13, MW-15, and MW-16 exceeded MTCA Method A Levels for one or more of the following; benzene, TPH-G, TPH-D, or TPH-O. Additional information pertaining to this investigation was reported in Antea Group's Subsurface Investigation Report dated November 18, 2019.

1.4 CURRENT SITE STATUS

The Site is listed on Ecology's Leaking Underground Storage Tanks (LUST) list with facility site ID 68996432. The Site was enrolled in Ecology's Voluntary Cleanup Program (VCP) with VCP ID NW2729 but was subsequently terminated from the program in February 2017. All remedial activities are currently being conducted as an independent cleanup action outside of the VCP. The current status on Ecology's database is "Cleanup Started". There are currently eight monitoring wells on the ARCO property and thirteen monitoring wells on or surrounding the Caribbean Apartments property. Currently, monitoring wells MW-2, MW-4, MW-8 through MW-16, and B1(JPHC) are sampled on a semi-annual basis. The new monitoring wells MW-17, MW-18, and MW-19 will be added to the semi-annual groundwater monitoring schedule.

2.0 PROJECT ACTIVITIES

2.1 DRILLING AND SOIL SAMPLING

The subsurface investigation included advancing a total of three soil borings to a maximum depth of 22 feet bgs. All three borings were completed as groundwater monitoring wells MW-17, MW-18, and MW-19. The soil borings and monitoring well locations are presented on Figure 3.

Cascade Drilling, Inc. (Cascade), of Tacoma, Washington completed the borings and well installation activities in November 2020. Cascade began borehole clearance on November 17, 2020, using a vacuum truck and air-knife to clear each boring to a minimum depth of 6.5 feet bgs. Air-knife and vacuum truck operations were ceased at 1.5 feet bgs and again at 3.5 feet bgs and soil samples were collected from 3 feet bgs and 5 feet bgs utilizing a hand auger that was advanced into the undisturbed soil 18 inches ahead of the pre-cleared boring. The hand auger was washed with soap and water followed by a clean water rinse before each use.

On November 18, 2020, drilling activities began at monitoring well MW-17 using a track mounted limited access sonic drill rig. Soil samples were collected from MW-17, MW-18, and MW-19 using a 6-inch diameter core barrel advanced ahead of the drill casing to collect continuous core soil samples. Soil samples were transferred from the core barrel to clean, single-use plastic bags for observation and collection of laboratory samples. Drill casing and sample barrels were decontaminated using detergent and a water pressure washer between boring locations.

Soil samples were collected to characterize subsurface lithology and to provide samples for chemical analyses. Antea Group personnel observed and logged the borings using the Unified Soil Classification System. After collection, each soil sample was field screened for the presence of volatile organic compounds with a photoionization detector (PID) to aid in the selection of representative soil samples for chemical analysis. Discrete soil samples were collected for analytical testing based on depth, indications of petroleum contamination, and moisture content. A total of 10 soil samples were submitted to Eurofins-TestAmerica Laboratory (Eurofins-TestAmerica) in Tacoma, Washington for quantitative chemical analysis following standard chain-of-custody procedures.

The field procedures used during the investigation are provided in Appendix A. Boring logs describing soil horizons, sample recovery, PID screening values, and well completion details are presented in Appendix B.

2.2 MONITORING WELL COMPLETION

Monitoring wells MW-17, MW-18, and MW-19 were constructed of 2-inch diameter schedule 40 PVC with 0.010-inch slotted screen. The screened interval of monitoring wells MW-17, MW-18, and MW-19 were 7 to 22 feet bgs, 5 to 20 feet bgs, and 5 to 20 feet bgs, respectively. The annular space of the borings was filled with sand to approximately 2 feet above the screen, followed by a hydrated bentonite chip seal to approximately 18 inches bgs. Each well was completed to ground surface with concrete from the top of the bentonite seal and a flush-mounted well monument.

2.3 WELL DEVELOPMENT AND SURVEYING

On November 19, 2020, monitoring wells MW-17 and MW-19 were developed to remove fine grained sediments from the sand filter pack. Monitoring well MW-18 was developed on November 20, 2020. Development was conducted using a submersible pump to remove a minimum of ten casing volumes or until the groundwater

from the monitoring well ran clear. On November 19, 2020, the top of casing (TOC) for each well was surveyed relative to an existing Site monitoring well. Elevations were surveyed to the nearest 0.01 foot.

2.4 ON-SITE CONTAINMENT OF DRILL CUTTINGS AND DECONTAMINATION WATER

Soil cuttings and decontamination water generated from the subsurface investigation were properly labeled, sealed, and temporarily stored in 55-gallon drums onsite. On December 14, 2020, an Antea Group representative met Cascade personnel onsite for removal of the investigation derived waste. The drums were transported by Cascade to Clean Earth of Kent, WA for treatment and disposal of the soil cuttings and decontamination water. The soil and decontamination water disposal documents are included in Appendix C.

2.5 GROUNDWATER SAMPLING

On December 14, 2020, Antea Group collected groundwater samples from the newly installed monitoring wells MW-17, MW-18, and MW-19. Prior to sampling, groundwater levels were measured using an oil/water interface probe. Groundwater samples were collected using low-flow sampling methods. The samples were collected using a peristaltic pump and dedicated LDPE and silicone tubing for purging while collecting water quality readings and samples from each well. Water quality readings were collected for each well by pumping water through a flow-through cell of a water quality meter at a rate of less than 1 liter per minute. Measurements are recorded for temperature, electrical conductivity, pH, oxidation reduction potential (ORP), dissolved oxygen (DO), turbidity, and/or total dissolved solids (TDS) at 3 to 5-minute intervals until each parameter stabilized. The flow-through cell was disconnected from the pump tubing and samples for laboratory analysis were collected directly from the tubing. The groundwater samples were submitted to Eurofins-TestAmerica for quantitative chemical analysis in accordance with standard chain-of-custody procedures.

3.0 PROJECT RESULTS

3.1 SITE GEOLOGY AND HYDROGEOLOGY

The area is in the Puget Sound Lowland geomorphic province, which consists mainly of glacially-deposited sediments. The Puget Sound Lowland is a basin lying between the Cascade Mountains to the east and the Olympic Mountains (coastal range) to the west. At least five major advances of continental glacial ice have been identified as having occurred in the Puget Sound Lowlands. Geologic units resulting from these glacial events include complex sequences of lacustrine deposits, advance outwash, glaciomarine drift, till, and recessional outwash. More recent erosional processes have deposited alluvial sand and gravel, primarily along river valleys. The Site vicinity is underlain by Alderwood Soils, which is a Quaternary stratified sequence consisting of sandy loam with varying amounts of gravel. In addition, Alderwood soils are considered hydrologically as Class C, which indicates slow infiltration rates with layers impeding downward movement of water, or soils with moderately fine or fine textures. Soils observed at the Site during previous investigations include dense to very dense silty sand, sand, gravelly sand, and sandy gravel.

3.2 SUBSURFACE LITHOLOGIC CONDITIONS

Soils encountered during this investigation consisted of silty sand and very fine to very coarse sand with some mixtures containing cobbles and gravels. Moist to wet soils were encountered beginning at depths between 3 and 20 feet bgs. Detailed soil descriptions are presented in the boring logs in Appendix B.

3.3 QUANTITATIVE CHEMICAL ANALYSIS

3.3.1 SOIL ANALYTICAL

Soil samples were analyzed for the presence of the following constituents:

- BTEX, MTBE, dibromoethane (EDB), dichloroethane (EDC) by EPA Method 8260D.
- TPH-G by Northwest Method NWTPH-Gx.
- TPH-D and TPH-O by Northwest Method NWTPH-Dx; and
- Total lead by EPA Method 6010D.

Quantitative laboratory analysis from the November 2020 drilling event indicated that concentrations of the analyzed constituents were not detected above laboratory method reporting limits and/or MTCA Method A Cleanup Levels in any of the samples collected.

Soil analytical results are summarized in Table 1. The Soil Analytical Data Map is presented on Figure 3. A copy of the Soil Laboratory Analytical Report is included in Appendix D.

3.3.2 GROUNDWATER ANALYTICAL

Groundwater samples were analyzed for the presence of the following constituents:

- BTEX by EPA Method 8260D.
- TPH-G by Northwest Method NWTPH-Gx.
- TPH-D and TPH-O by Northwest Method NWTPH-Dx; and
- Total and dissolved lead by EPA Method 6020B.

Quantitative laboratory analysis from the December 14, 2020 sampling event indicated that concentrations of the analyzed constituents were not detected above laboratory method reporting limits and MTCA Method A Cleanup Levels in any of the samples collected.

The groundwater elevation data is summarized in Table 2, groundwater analytical data is summarized in Table 3, and the Groundwater Elevation and Analytical Data Map is presented on Figure 4. A copy of the Groundwater Laboratory Analytical Report is included in Appendix E.

4.0 SUMMARY

In November 2020, two soil borings were advanced at the Caribbean Apartments property and one soil boring was advanced on the property southeast of the Caribbean Apartments building. The three borings were completed as groundwater monitoring wells (MW-17, MW-18, and MW-19). Each monitoring well was constructed with a 2-inch diameter schedule 40 PVC well casing. A total of 10 soil samples were submitted to Eurofins-TestAmerica for quantitative chemical analysis. Laboratory analytical results indicated that concentrations of petroleum hydrocarbons were not detected above laboratory method reporting limits and/or MTCA Method A Cleanup Levels in any of the samples collected. Groundwater was sampled from the new monitoring wells MW-17, MW-18, and MW-19 on December 14, 2020. All samples were submitted to Eurofins-TestAmerica for quantitative chemical analysis. None of the December 2020 groundwater samples submitted for analysis contained hydrocarbon concentrations in excess of laboratory method reporting limits and/or MTCA Method A Cleanup Levels.

5.0 REMARKS

The recommendations contained in this report represent Antea USA, Inc.'s professional opinions based upon the currently available information and are arrived at in accordance with currently accepted professional standards. This report is based upon a specific scope of work requested by the client. The contract between Antea USA, Inc. and its client outlines the scope of work, and only those tasks specifically authorized by that contract or outlined in this report were performed. This report is intended only for the use of Antea USA, Inc.'s client and anyone else specifically identified in writing by Antea USA, Inc. as a user of this report. Antea USA, Inc. will not and cannot be liable for unauthorized reliance by any other third party. Other than as contained in this paragraph, Antea USA, Inc. makes no express or implied warranty as to the contents of this report.

Prepared by



Marissa Bernard
Project Manager

Date: February 19, 2021

Reviewed by:



Megan Richard, LG
Senior Project Manager



Date: February 19, 2021

cc: VCP Coordinator, Department of Ecology, Northwest Regional Office (1-Hardcopy, Electronic Copy)
Mr. Michael Dahlstrom, Owner - Caribbean Apartments (Electronic Copy)
Mr. Joshua Pope, Montgomery Purdue Blankinship & Austin, PLLC (Electronic Copy)
Mr. Enjay Santos and Ms. Erica Knauf Santos, Knauf Santos Law (Electronic Copy)
Mr. Wade Melton, Remediation Management Service Company (Electronic Copy – RMO Upload File, Antea Group)

6.0 CONTACT INFORMATION

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7.0 REFERENCES

- Geraghty & Miller. 1989. "Preliminary Subsurface Investigation Report". October 25.
- Geraghty & Miller. 1991. "Underground Storage Tank Removal Report". August 7.
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Tables

Table 1 - Soil Analytical Data

Table 2 - Groundwater Gauging Data

Table 3 - Groundwater Analytical Data

Table 1
Soil Analytical Data
ARCO Facility 980
10822 Roosevelt Way NE, Seattle, WA 98125

| CONSTITUENT | | | B | T | E | X | MTBE | EDB | EDC | TPH-G | TPH-D | TPH-O | Lead |
|---------------|-------------|--------------|-------------|------------|------------|----------|------------|--------------|------------|-----------|-------------|-------------|------------|
| UNIT | | | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg |
| MTCA METHOD A | | | 0.03 | 7 | 6 | 9 | 0.1 | 0.005 | NGV | 30 | 2000 | 2000 | 250 |
| Location ID | Sample Date | Sample Depth | | | | | | | | | | | |
| MW-17 | 11/17/2020 | 5 | < 0.0024 | < 0.012 | < 0.0024 | < 0.012 | < 0.0024 | < 0.0012 | < 0.0012 | < 6.4 | < 56 | < 56 | 9.7 |
| MW-17 | 11/18/2020 | 10 | < 0.0016 | < 0.0080 | < 0.0016 | < 0.0080 | < 0.0016 | < 0.00080 | < 0.00080 | 8.9 H | < 49 | < 49 | 2.1 |
| MW-17 | 11/18/2020 | 15 | < 0.0017 | < 0.0086 | < 0.0017 | < 0.0086 | < 0.0017 | < 0.00086 | < 0.00086 | < 4.6 | < 54 | < 54 | 2.5 |
| | | | | | | | | | | | | | |
| MW-18 | 11/17/2020 | 5 | < 0.0020 | < 0.010 | < 0.0020 | < 0.010 | < 0.0020 | < 0.0010 | < 0.0010 | < 6.8 | < 61 | < 61 | 6.9 |
| MW-18 | 11/19/2020 | 12 | < 0.0017 | 0.013 | 0.0030 | 0.017 | < 0.0017 | < 0.00083 | < 0.00083 | < 6.3 | < 54 | < 54 | 1.9 |
| MW-18 | 11/19/2020 | 16 | < 0.0016 | < 0.0080*3 | < 0.0016*3 | < 0.0080 | < 0.0016* | < 0.00080*3 | < 0.00080 | < 5.4 | < 57 | < 57 | 2.0 |
| | | | | | | | | | | | | | |
| MW-19 | 11/17/2020 | 3 | < 0.0018 | < 0.0088 | < 0.0018 | < 0.0088 | < 0.0018 | < 0.00088 | < 0.00088 | < 5.0 | < 54 | < 54 | 10 |
| MW-19 | 11/19/2020 | 5 | < 0.0018 | 0.043 | 0.011 | 0.065 | < 0.0018 | < 0.00088 | < 0.00088 | < 7.0 | < 57 | < 57 | 3.1 |
| MW-19 | 11/18/2020 | 10 | < 0.0018 | < 0.0089 | < 0.0018 | < 0.0089 | < 0.0018 | < 0.00089 | < 0.00089 | 10 | < 52 | < 52 | 2.2 |

NOTES:

Results in bold exceed applicable action limits

NGV = No given value

mg/kg = milligrams/kilogram

B = Benzene

T = Toluene

E = Ethylbenzene

X = Xylenes, total

MTBE = Methyl-tert-butyl ether

EDB = 1,2-Dibromoethane

EDC = 1,2-Dichloroethene

TPH-G = Total petroleum hydrocarbons as gasoline

TPH-D = Total petroleum hydrocarbons as diesel

TPH-O = Total petroleum hydrocarbons as oil

< = Not detected at or above indicated laboratory reporting limit

F2 = MS/MSD RPD exceeds control limits

H = Sample was prepped or analyzed beyond the specified holding time

* = LCS or LCSD is outside acceptance limits.

*3 = ISTD response or retention time outside acceptable limits.

Table 2
 Groundwater Gauging Data
 ARCO Facility 980
 10822 Roosevelt Way NE, Seattle, WA 98125

| Well I.D. | Date | GROUNDWATER ELEVATION DATA | | | | | |
|-----------|------------|----------------------------|------------------------|------------------|----------------------|-----------------------------|------------|
| | | TOC Elevation (ft) | Water Level Depth (ft) | LNAPL Depth (ft) | LNAPL Thickness (ft) | Water Level Elevation* (ft) | Qualifiers |
| MW-17 | 12/14/2020 | 253.47 | 11.10 | NP | -- | 242.37 | -- |
| MW-18 | 12/14/2020 | 249.67 | 8.47 | NP | -- | 241.20 | -- |
| MW-19 | 12/14/2020 | 249.21 | 8.17 | NP | -- | 241.04 | -- |

Notes:

TOC - Top of Casing

ft - feet

NP - No Product

LNAPL - Light Non-Aqueous Phase Liquid

* - Corrected for LNAPL if present (assumes LNAPL specific gravity = 0.75)

-- No Information Available

Table 3
Groundwater Analytical Data
ARCO Facility 980
10822 Roosevelt Way NE, Seattle, WA 98125

| CONSTITUENT | | B | T | E | X | TPH-G | TPH-D | TPH-O | Total Lead | Dissolved Lead |
|-------------------------------------|------------|----------|-------------|------------|-------------|-----------------------------|------------|------------|------------|----------------|
| UNIT | | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L |
| MTCA METHOD A CLEANUP LEVELS | | 5 | 1000 | 700 | 1000 | 1000/800¹ | 500 | 500 | 15 | 15 |
| Well ID | Date | | | | | | | | | |
| MW-17 | 12/14/2020 | < 3.0 | < 2.0 | < 3.0 | < 3.0 | < 250 | < 110 | < 350 | < 4.0 | < 4.0 |
| MW-18 | 12/14/2020 | < 3.0 | < 2.0 | < 3.0 | < 3.0 | < 250 | < 110 | < 350 | < 4.0 | < 4.0 |
| MW-19 | 12/14/2020 | < 3.0 | < 2.0 | < 3.0 | < 3.0 | < 250 | < 110 | < 360 | < 4.0 | < 4.0 |

Notes:

B = Benzene

T = Toluene

E = Ethylbenzene

X = Xylenes, Total

TPH-G = Total petroleum hydrocarbons as gasoline by Northwest Method NWTPH-Gx

TPH-D = Total petroleum hydrocarbons as diesel by Northwest Method NWTPH-Dx

TPH-O = Total petroleum hydrocarbons as oil by Northwest Method NWTPH-Ox

1,000/800¹ ug/L if no detectable levels of Benzene in the sample - otherwise 800 ug/L

<1.0 = Concentrations were not detected above the laboratory method reporting limit.

ug/L = Micrograms per liter (ppb)

-- = No value given/Not analyzed/Not applicable

MTCA = Model Toxics Control Act

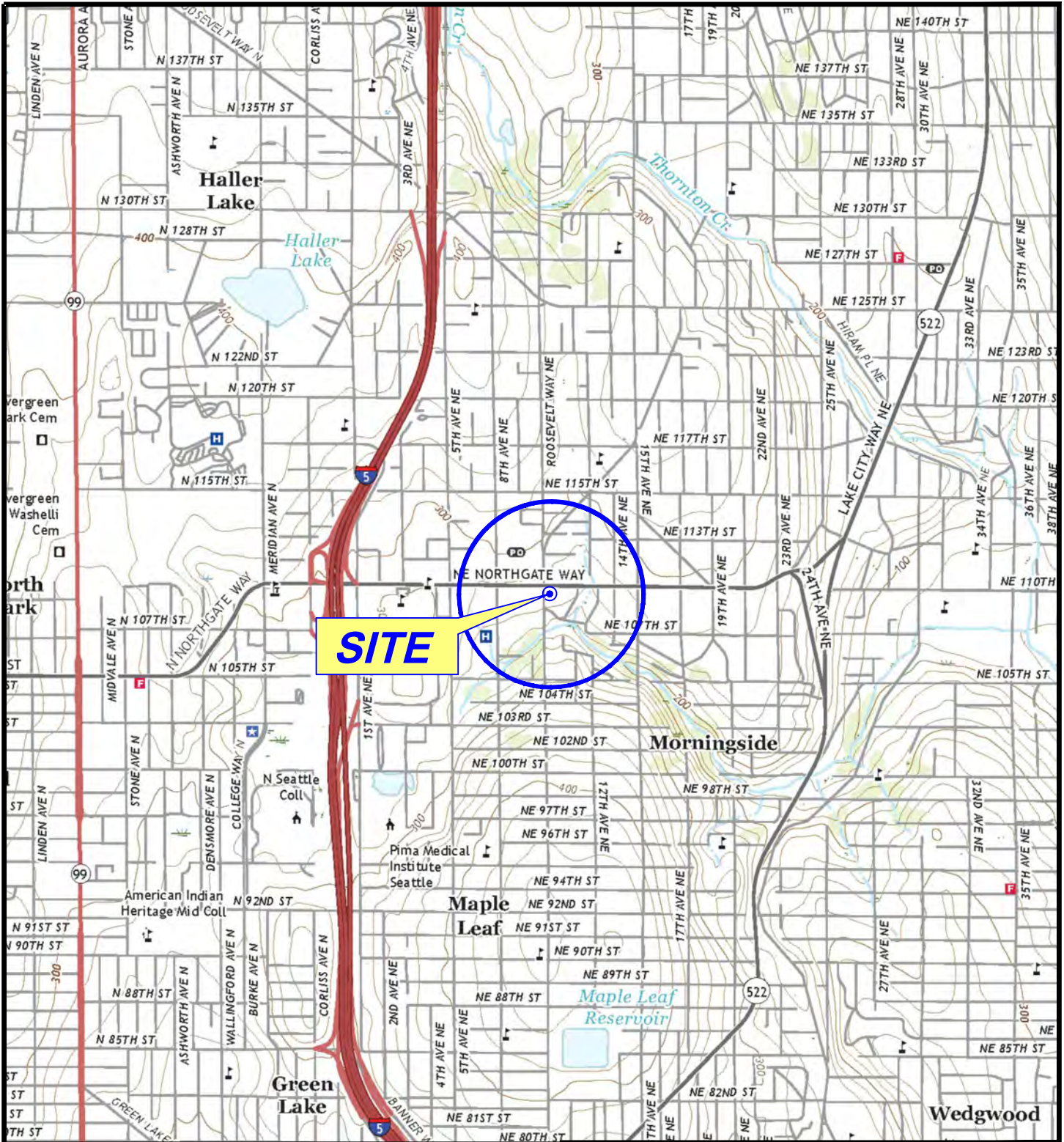
Figures

Figure 1 - Site Location Map

Figure 2 - Site Aerial Map

Figure 3 - Soil Analytical Data Map

Figure 4 - Groundwater Elevation and Analytical Data Map



GENERAL NOTES:
 BASE MAP FROM TOPO!
 SEATTLE NORTH E., WA. QUADRANGLE
 7.5 MINUTE TOPOGRAPHIC MAP



QUADRANGLE LOCATION

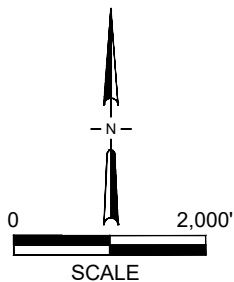


FIGURE 1
 SITE LOCATION MAP

ARCO FACILITY NO. 980
 10822 ROOSEVELT WAY NE
 SEATTLE, WASHINGTON

| | |
|---------------------------|---------------------------|
| PROJECT NO. 00980SA201 | DRAWN BY J. HIGHFILL |
| FILE NO. 0980-SLM18 | PREPARED BY M. BERNARD |
| DATE 12 Dec 18 | REV. 0 REVIEWED BY |





GENERAL NOTES:
BASE MAP FROM GOOGLE EARTH 2018

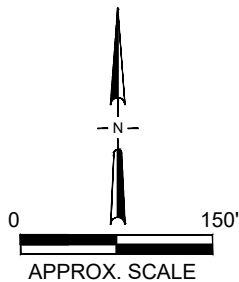
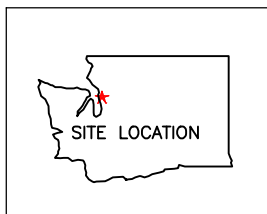


FIGURE 2 SITE AERIAL MAP

ARCO FACILITY NO. 0980
10822 ROOSEVELT WAY NE
SEATTLE, WASHINGTON

| | |
|---------------------------|---------------------------|
| PROJECT NO. 00980SA201 | DRAWN BY J. HIGHFILL |
| FILE NO. 980G-SAM18 | PREPARED BY M. BERNARD |
| DATE 12 DEC 18 | REV. 1 |
| | REVIEWED BY |



NE NORTHGATE WAY

LEGEND

- GROUNDWATER MONITORING WELL
- AIR SPARGING WELL LOCATION
- EXTRACTION WELL LOCATION
- SOIL VAPOR EXTRACTION WELL
- INJECTION WELL LOCATION INSTALLED BY INNOVEX
- SOIL VAPOR EXTRACTION / VACUUM PRESSURE MONITORING POINT
- BIOVENTING WELL LOCATION
- SOIL GAS PROBE LOCATION
- SOIL BORING LOCATION
- SOIL SAMPLING LOCATION
- PROPERTY BOUNDARY
- SITE FEATURES
- FORMER SITE FEATURES
- OVERHEAD UTILITY LINES
- CATCH BASIN

| MW-17 | Well ID |
|-------|--|
| Date | Sample Date |
| Depth | Sample Depth |
| B | Benzene |
| T | Toluene |
| E | Ethylbenzene |
| X | Total Xylenes |
| MTBE | Methyl-tert-butyl ether |
| EDB | 1,2-Dibromoethane |
| EDC | 1,2-Dichloroethene |
| TPH-G | Total Petroleum Hydrocarbons as Gasoline |
| TPH-D | Total Petroleum Hydrocarbons as Diesel |
| TPH-O | Total Petroleum Hydrocarbons as Oil |
| Lead | Lead |

Results in bold exceed applicable action limits
 All results given in milligrams per kilograms (mg/kg)
 < = Not detected at or above indicated laboratory reporting limit
 J = Estimated concentration value detected below the reporting limit

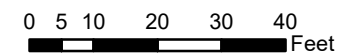
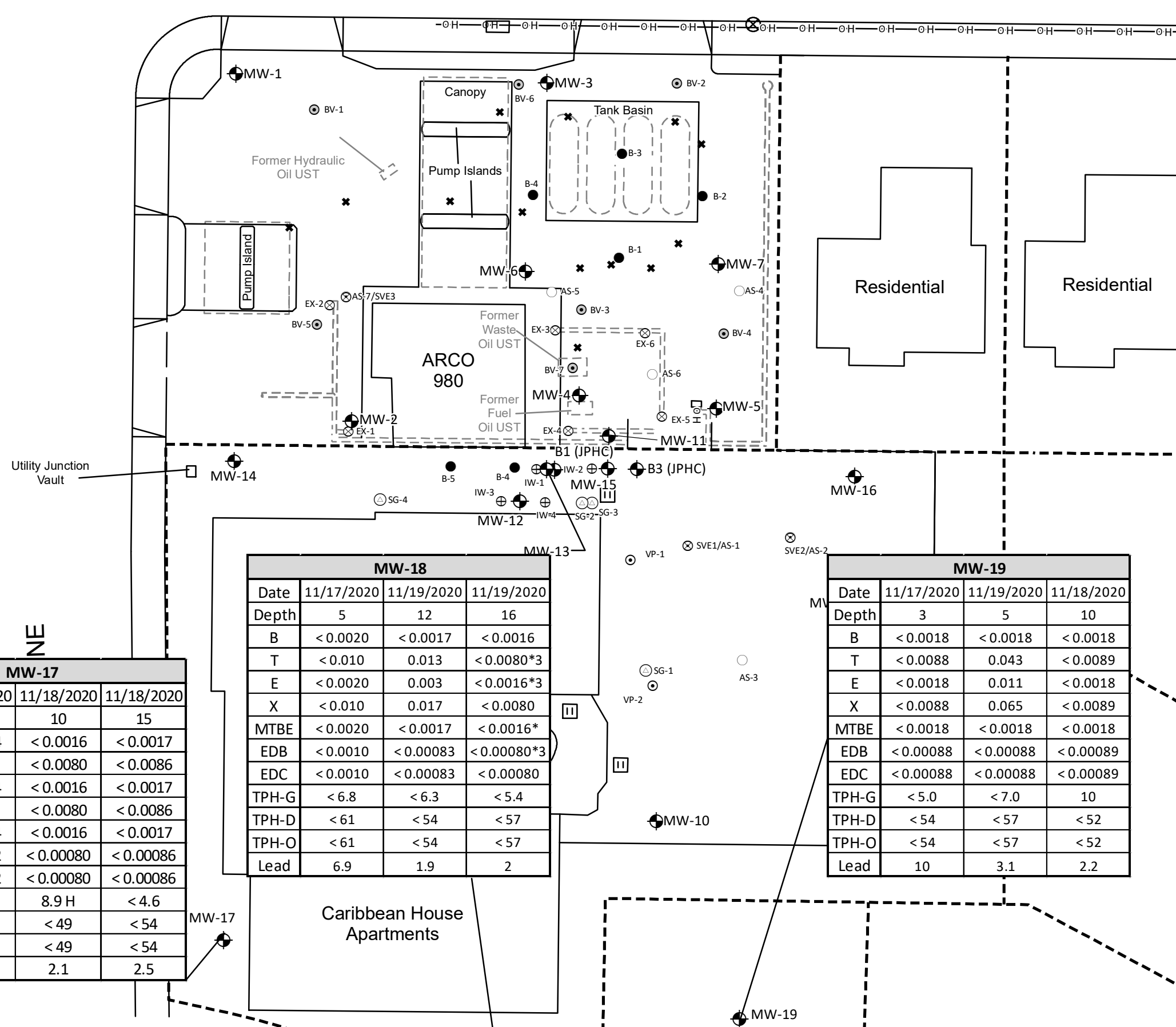


FIGURE 3
 SOIL ANALYTICAL DATA MAP
 NOVEMBER 17-19, 2020
 ARCO FACILITY NO. 980
 10822 ROOSEVELT WAY NE
 SEATTLE, WASHINGTON

| | | | |
|---------------------------|-------------------|-------------------------------|--|
| PROJECT NO. 009805A201 | PREPARED BY JJ | REF SCALE 1:360 | |
| DATE 2/16/2021 | REVIEWED BY MR | MAP SCALE 1 inch = 30 feet | |



| MW-17 | | | |
|-------|------------|------------|------------|
| Date | 11/17/2020 | 11/18/2020 | 11/18/2020 |
| Depth | 5 | 10 | 15 |
| B | <0.0024 | <0.0016 | <0.0017 |
| T | <0.012 | <0.0080 | <0.0086 |
| E | <0.0024 | <0.0016 | <0.0017 |
| X | <0.012 | <0.0080 | <0.0086 |
| MTBE | <0.0024 | <0.0016 | <0.0017 |
| EDB | <0.0012 | <0.00080 | <0.00086 |
| EDC | <0.0012 | <0.00080 | <0.00086 |
| TPH-G | <6.4 | 8.9 H | <4.6 |
| TPH-D | <56 | <49 | <54 |
| TPH-O | <56 | <49 | <54 |
| Lead | 9.7 | 2.1 | 2.5 |

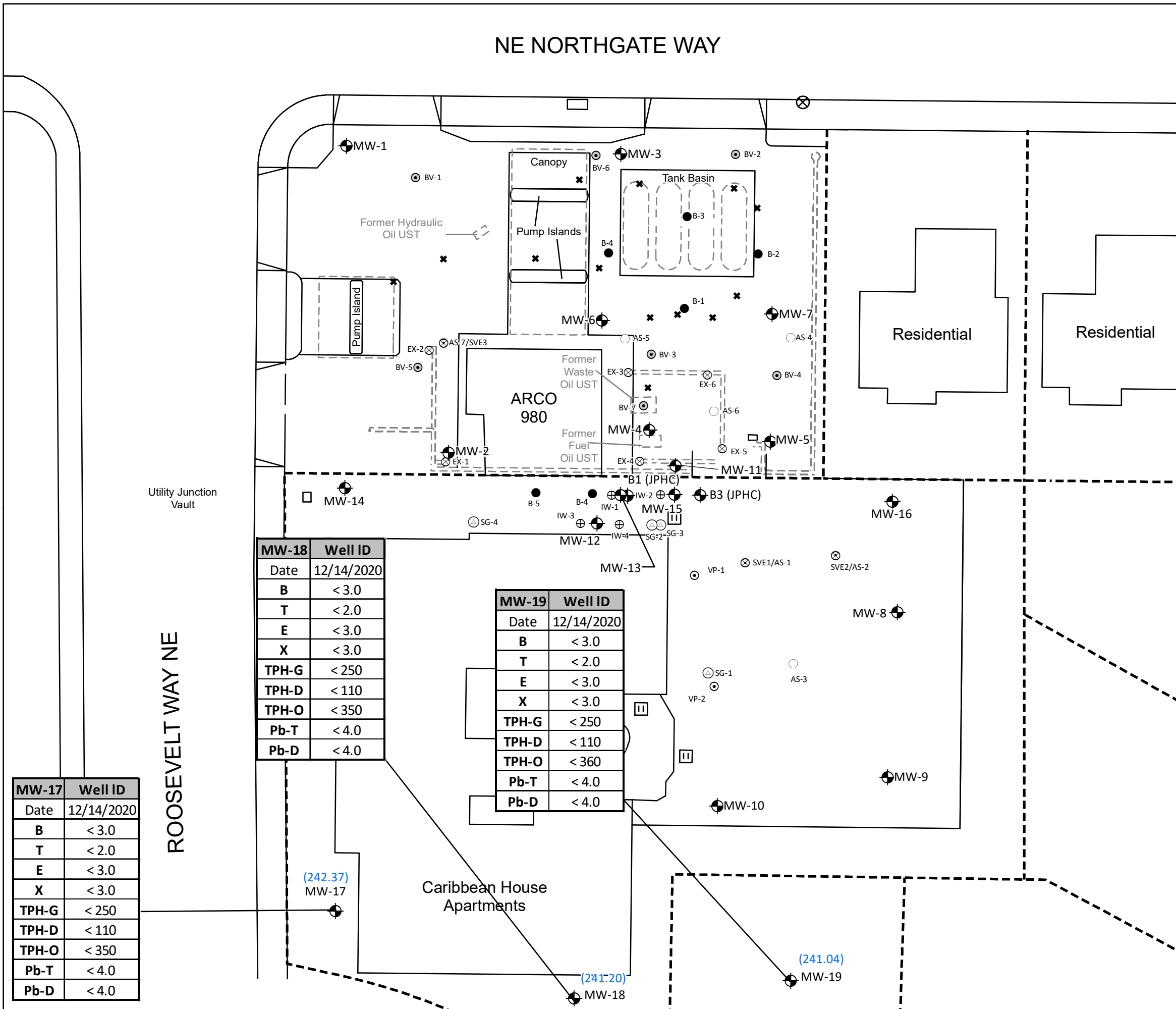
| MW-18 | | | |
|-------|------------|------------|------------|
| Date | 11/17/2020 | 11/19/2020 | 11/19/2020 |
| Depth | 5 | 12 | 16 |
| B | <0.0020 | <0.0017 | <0.0016 |
| T | <0.010 | 0.013 | <0.0080*3 |
| E | <0.0020 | 0.003 | <0.0016*3 |
| X | <0.010 | 0.017 | <0.0080 |
| MTBE | <0.0020 | <0.0017 | <0.0016* |
| EDB | <0.0010 | <0.00083 | <0.00080*3 |
| EDC | <0.0010 | <0.00083 | <0.00080 |
| TPH-G | <6.8 | <6.3 | <5.4 |
| TPH-D | <61 | <54 | <57 |
| TPH-O | <61 | <54 | <57 |
| Lead | 6.9 | 1.9 | 2 |

| MW-19 | | | |
|-------|------------|------------|------------|
| Date | 11/17/2020 | 11/19/2020 | 11/18/2020 |
| Depth | 3 | 5 | 10 |
| B | <0.0018 | <0.0018 | <0.0018 |
| T | <0.0088 | 0.043 | <0.0089 |
| E | <0.0018 | 0.011 | <0.0018 |
| X | <0.0088 | 0.065 | <0.0089 |
| MTBE | <0.0018 | <0.0018 | <0.0018 |
| EDB | <0.00088 | <0.00088 | <0.00089 |
| EDC | <0.00088 | <0.00088 | <0.00089 |
| TPH-G | <5.0 | <7.0 | 10 |
| TPH-D | <54 | <57 | <52 |
| TPH-O | <54 | <57 | <52 |
| Lead | 10 | 3.1 | 2.2 |

NE NORTHGATE WAY

LEGEND

- GROUNDWATER MONITORING WELL
 - AIR SPARGING WELL LOCATION
 - EXTRACTION WELL LOCATION
 - SOIL VAPOR EXTRACTION WELL
 - INJECTION WELL LOCATION INSTALLED BY INNOVEX
 - SOIL VAPOR EXTRACTION / VACUUM PRESSURE MONITORING POINT
 - BIOVENTING WELL LOCATION
 - SOIL GAS PROBE LOCATION
 - SOIL BORING LOCATION
 - SOIL SAMPLING LOCATION
 - PROPERTY BOUNDARY
 - SITE FEATURES
 - FORMER SITE FEATURES
 - CATCH BASIN
- (241.04) Groundwater Elevation in Feet Referenced to the National Geodetic Vertical Datum (1929)



| MW-13 | Well ID |
|-------|-------------------------|
| Date | Sample Date |
| B | Benzene |
| T | Toluene |
| E | Ethybenzene |
| X | Total Xylenes |
| TPH-G | Gasoline Range Organics |
| TPH-D | Diesel Range Organics |
| TPH-O | Oil Range Organics |
| Pb-T | Total Lead |
| Pb-D | Dissolved Lead |

| MW-18 | Well ID |
|--------------|------------|
| Date | 12/14/2020 |
| B | < 3.0 |
| T | < 2.0 |
| E | < 3.0 |
| X | < 3.0 |
| TPH-G | < 250 |
| TPH-D | < 110 |
| TPH-O | < 350 |
| Pb-T | < 4.0 |
| Pb-D | < 4.0 |

| MW-19 | Well ID |
|--------------|------------|
| Date | 12/14/2020 |
| B | < 3.0 |
| T | < 2.0 |
| E | < 3.0 |
| X | < 3.0 |
| TPH-G | < 250 |
| TPH-D | < 110 |
| TPH-O | < 360 |
| Pb-T | < 4.0 |
| Pb-D | < 4.0 |

| MW-17 | Well ID |
|--------------|------------|
| Date | 12/14/2020 |
| B | < 3.0 |
| T | < 2.0 |
| E | < 3.0 |
| X | < 3.0 |
| TPH-G | < 250 |
| TPH-D | < 110 |
| TPH-O | < 350 |
| Pb-T | < 4.0 |
| Pb-D | < 4.0 |

Results in bold exceed applicable action limits
 All results given in micrograms per liter (ug/L)
 < = Not detected at or above indicated laboratory reporting limit

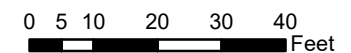


FIGURE 4
 GROUNDWATER ELEVATION AND ANALYTICAL DATA MAP
 DECEMBER 14, 2020
 ARCO FACILITY NO. 980
 10822 ROOSEVELT WAY NE
 SEATTLE, WASHINGTON

| | | | |
|---------------------------|-------------------|-------------------------------|--|
| PROJECT NO. 009805A201 | PREPARED BY MB | REF SCALE 1:360 | |
| DATE 2/16/2021 | REVIEWED BY MR | MAP SCALE 1 inch = 30 feet | |

Subsurface Investigation Report
ARCO Facility No. 980
February 19, 2021



Appendix A - Summary of Field Procedures and Quality Assurance Plan

FIELD PROCEDURES

The boring locations were marked, and the Utility Underground Location Center was contacted at least 72 hours before the Site walk was scheduled. A Site walk was conducted to visually inspect utility markers and indicators. Applied Professional Services, Inc. (APS) of North Bend, Washington was utilized to identify private subsurface utilities. APS swept a search zone of 15 feet in all directions surrounding the proposed boring locations. APS uses Metrotech 810 multi-frequency locators to identify conductive subsurface utilities. All utilities were marked in paint and recorded on a drawing/plot plan.

Prior to drilling, each boring location was cleared to a depth of at least 6.5 feet below ground surface (bgs) and 120 percent of the drilling tool diameter with an airknife, vacuum truck, and/or hand auger. Following utility clearing, all borings were advanced using a track-mounted sonic drill rig operated by Cascade Drilling, Inc. (Cascade). Discrete soil samples were collected from each boring to characterize site soils with respect to petroleum hydrocarbon impacts.

For shallow soil samples collected during borehole pre-clearance, Cascade would cease air knife and vacuum truck operations 1.5 feet above the desired sample depth, and a hand auger would be used to extend the boring to the desired depth. The hand auger was decontaminated between each sample. After collecting the shallow sample(s), Cascade continued to widen and clear the boring to 6.5 feet bgs. Soil samples at depths greater than 6.5 feet bgs were collected using a 4-inch diameter core barrel advanced ahead of the drill casing in order to continuously collect soils samples. Soil samples were transferred from the core barrel to clean, single-use plastic sleeves for observation and collection of laboratory samples.

Soil samples were collected directly from the hand auger and sample sleeves using a single-use syringe sampler and placed into laboratory-supplied 40-milliliter (mL) VOA vials preserved with methanol in accordance with Environmental Protection Agency (EPA) Method 5035A. Additional soil was placed into 4 to 8-ounce laboratory-supplied glass soil jars. The samples were labeled and immediately placed in cold storage until submitted to the laboratory for analysis. The samples were transported to Test America Laboratories, Inc. (Test America) for quantitative chemical analysis following chain-of-custody documentation.

After sample collection, soil was field screened for the presence of volatile organic compounds with a photoionization detector (PID) to aid in the facilitation of selecting representative soil samples for chemical analysis. The PID was a RAE Systems MiniRAE 3000 PID equipped with a 10.6 electron volt (eV) ultraviolet (UV) lamp and calibrated to a 100-ppm isobutylene calibration gas for direct readings in parts per million (ppm). The operating range of the detector is from 0 to 15,000 parts per million with a minimum detection limit of 0.1 ppm. It should be noted that the PID measurements are considered semi-quantitative data since the instrument detects all organic compounds with ionization potentials less than 10.2 eV. Clear plastic bags were filled to one-third to half capacity and then sealed. Soils in the bags were gently agitated to facilitate the breakup of any lumps and allowed to sit for approximately 10 minutes prior to analyzing the air above the soil in the bag. The PID probe was inserted into an opening of the plastic bag and the maximum vapor concentration was recorded for each soil sample collected.

ANALYTICAL METHODS

SAMPLE IDENTIFICATION AND CHAIN-OF-CUSTODY PROCEDURES

Sample identification and chain-of-custody procedures ensure sample integrity and document sample possession from the time of collection to delivery to the laboratory. Each sample submitted for analysis was labeled and identified with the project number, date and time of sample collection, sampler, and sample number unique to the sample. This information, in addition to any field measurements, noted names of on-site personnel, and any other pertinent field observations were recorded in the field notes.

Upon arrival at the laboratory, the sample control personnel at the laboratory verified sample integrity and confirmed that the sample was collected in the proper container, packaged correctly, and that there was adequate volume of sample for the required analyses. The laboratory assigned a unique log number for identification of each sample throughout analyses and reporting. The log number was recorded on the chain of custody form and in the legally required logbook maintained in the laboratory. The sample description, date received, client name, and any other relevant information was recorded.

ANALYTICAL QUALITY ASSURANCE

In addition to routine calibration of the analytical instruments with standards and blanks, the analyst is required to run duplicates and spikes on 10 percent of the analyses to insure an added measure of precision and accuracy. Accuracy is also verified through the following:

- U.S. Environmental Protection Agency (EPA) and State certification programs.
- Participation in an inter-laboratory or "round-robin" quality assurance program.
- Verification of results with an alternative method. For example, calcium may be determined by atomic absorption, ion chromatography, or titrimetric methods.

ANALYTICAL METHODS

The analytical tests performed for this evaluation were chosen based upon standard requirements issued by the Washington State Department of Ecology. Select soil and groundwater samples collected during this investigation were analyzed by the following methods:

- Benzene, toluene, ethyl benzene, xylenes (BTEX), methyl tert-butyl ether (MTBE), 1,2-Dibromoethane (EDB), and 1,2-Dichloroethane (EDC) by Environmental Protection Agency (EPA) Method 8260B/C;
- Total petroleum hydrocarbons as gasoline (TPH-G) by Northwest Method NWTPH-Gx;
- Total petroleum hydrocarbons as diesel (TPH-D) and total petroleum hydrocarbons as oil (TPH-O) by Northwest Method NWTPH-Dx;
- Total lead using EPA Method 6020A;
- Groundwater samples were analyzed for EDB by EPA method 8011;
- RCRA 8 Metals by EPA Method 6020A and EPA Method 7470A for waste disposal characterization purposes.

Subsurface Investigation Report
ARCO Facility No. 980
February 19, 2021



Appendix B - Boring Logs



WELL/BORING: MW-17

Unique Ecology Well ID: BLZ 445

INSTALLATION DATE: 11/17-18/20

DRILLING METHOD: Sonic

PROJECT: ARCO 980

SAMPLING METHOD: HA/Continuous Core

CLIENT: BP

BORING DIAMETER: 6"

LOCATION: 10822 Roosevelt Way NE

BORING DEPTH: 22'

CITY: Seattle

WELL CASING: SCH 40 PVC 2"

STATE: WA

WELL SCREEN: 7' - 22' (0.010")

DRILLER: Cascade Drilling, Inc.

SAND PACK: 5' - 22' (2 x 12)

| WELL/BORING COMPLETION | FIRST | STABILIZED | MOISTURE | PID (ppm) | Temperature | DEPTH (FEET) | RECOVERY | SAMPLE INTERVAL | USCS SYMBOL | GRAPHIC | CASING ELEVATION | 253.47' | DTC: | 5.5" |
|--|-------|------------|----------|-----------|-------------|--------------|----------|-----------------|-------------|---------|--|------------|------|-------|
| | | | | | | | | | | | SURVEY DATE: | 11/19/2020 | DTW: | 11.01 |
| DESCRIPTION/LOGGED BY: Marissa Bernard | | | | | | | | | | | | | | |
| Concrete | | | | | | 1 | | | | | Surface = Mulch | | | |
| Bentonite | | | DMP | 0.0 | - | 3 | | | SM | | Silty SAND: brown; 10% silt; 90% fine to very coarse sand; trace gravel. | | | |
| | | | DMP | 0.0 | - | 5 | | | SM | | Same as Above: very fine to medium sand; trace cobbles; trace organics. | | | |
| | | | DRY | 0.0 | - | 8 | | | SM | | Same as Above: lighter in color; increased gravel. | | | |
| | | | - | 0.1 | - | 10 | | | SM | | Same as Above: increased silt (2" lens) | | | |
| | | | MST | - | - | 11 | | | SP | | SAND: brown; trace silt; 80% medium to very coarse sand; 20% gravel. | | | |
| | | | - | 0.0 | - | 12 | | | SM | | Silty SAND: gray/brown; 20% silt; 80% very fine to fine sand. | | | |
| | | | - | 0.1 | - | 14 | | | SM | | Same as Above: very fine to medium sand; trace gravel and cobbles. | | | |
| | | | WET | - | - | 15 | | | SM | | Same as Above: very fine to very coarse sand. | | | |
| | | | - | 0.1 | - | 16 | | | SM | | Same as Above: very fine to very coarse sand. | | | |
| | | | MST | 0.2 | - | 18 | | | SP | | SAND: grey iron staining; very fine to medium sand; trace gravel. | | | |
| | | | MST | 0.5 | - | 20 | | | SP | | Same as Above: no iron staining; no trace gravel. | | | |
| | | | | | | 21 | | | | | Boring completed at 22' bgs as monitoring well | | | |
| | | | | | | 22 | | | | | | | | |



WELL/BORING: MW-18

Unique Ecology Well ID: BLZ 355

INSTALLATION DATE: 11/17-19/20

DRILLING METHOD: Sonic

PROJECT: ARCO 980

SAMPLING METHOD: HA/Continuous Core

CLIENT: BP

BORING DIAMETER: 6"

LOCATION: 10822 Roosevelt Way NE

BORING DEPTH: 20'

CITY: Seattle

WELL CASING: SCH 40 PVC 2"

STATE: WA

WELL SCREEN: 5' - 20' (0.010")

DRILLER: Cascade Drilling, Inc.

SAND PACK: 3' - 20' (2 x 12)

| WELL/BORING COMPLETION | FIRST | STABILIZED | MOISTURE | PID (ppm) | Temperature | DEPTH (FEET) | RECOVERY | SAMPLE INTERVAL | USCS SYMBOL | GRAPHIC | CASING ELEVATION | 249.67' | DTC: | 3.25" |
|--|-------|------------|----------|-----------|-------------|--------------|----------|-----------------|-------------|---------|--|------------|------|-------|
| | | | | | | | | | | | SURVEY DATE: | 11/19/2020 | DTW: | 8.42 |
| DESCRIPTION/LOGGED BY: Marissa Bernard | | | | | | | | | | | | | | |
| Concrete | | | | | | 1 | | | | | Surface = Asphalt | | | |
| Bentonite | | | | | | 2 | | | | | | | | |
| Sand | | | DRY | 0.0 | - | 3 | | | SM | | Silty SAND: brown; 10% silt; 80% very fine to medium sand; 10% gravel; trace organics. | | | |
| | | | DMP | 0.0 | - | 5 | | | SM | | Same as Above: increased gravel; no trace organics. | | | |
| | | | DMP | - | - | 7 | | | SM | | Same as Above: light brown; 90% very fine to medium sand; trace gravel. | | | |
| | | ▼ | - | 0.3 | - | 8 | | | | | | | | |
| | | | DMP | - | - | 9 | | | SM | | 2" layer Same as Above: increased sand grain size (very fine to very coarse sand). | | | |
| | | | - | 0.4 | - | 10 | | | SM | | Same as Above: decreased sand grain size (very fine to fine sand). | | | |
| | | | MST | 0.4 | - | 12 | | | SM | | Same as Above: 90% very fine to medium sand; trace gravel and cobbles. | | | |
| | | ▽ | WET | - | - | 13 | | | | | | | | |
| | | | - | 0.2 | - | 14 | | | | | | | | |
| | | | WET | - | - | 15 | | | | | Same as Above: no cobbles. | | | |
| | | | - | 0.6 | - | 16 | | | | | | | | |
| | | | MST | 1.3 | - | 18 | | | SM | | Same as Above: more grey in color. | | | |
| | | | MST | 1.5 | - | 20 | | | SM | | Same as Above. | | | |
| | | | | | | | 21 | | | | Boring completed at 20' bgs as monitoring well | | | |
| | | | | | | | 22 | | | | | | | |



WELL/BORING: MW-19

Unique Ecology Well ID: BLZ 444

INSTALLATION DATE: 11/17-18/20

DRILLING METHOD: Sonic

PROJECT: ARCO 980

SAMPLING METHOD: HA/Continuous Core

CLIENT: BP

BORING DIAMETER: 6"

LOCATION: 10822 Roosevelt Way NE

BORING DEPTH: 20'

CITY: Seattle

WELL CASING: SCH 40 PVC 2"

STATE: WA

WELL SCREEN: 5' - 20' (0.010")

DRILLER: Cascade Drilling, Inc.

SAND PACK: 3' - 20' (2 x 12)

| WELL/BORING COMPLETION | FIRST | STABILIZED | MOISTURE | PID (ppm) | Temperature | DEPTH (FEET) | RECOVERY | SAMPLE INTERVAL | USCS SYMBOL | GRAPHIC | CASING ELEVATION | 249.21' | DTC: | 4" |
|--|-------|------------|----------|-----------|-------------|--------------|----------|-----------------|-------------|---------|---|------------|------|------|
| | | | | | | | | | | | SURVEY DATE: | 11/19/2020 | DTW: | 8.07 |
| DESCRIPTION/LOGGED BY: Marissa Bernard | | | | | | | | | | | | | | |
| Concrete | | | | | | 1 | | | | | Surface = Grass | | | |
| Bentonite | | | | | | 2 | | | | | | | | |
| Sand | | | MST | 0.0 | - | 3 | | | SP | | SAND: brown; trace silt; 40% fine to very coarse sand; 60% gravel and cobbles. | | | |
| | | | | | | 4 | | | | | @4.0 - 4.5' gravel/cobble layer | | | |
| | | | WET | 0.1 | - | 5 | | | SP | | SAND: greyish brown; fine to coarse sand; trace gravel. | | | |
| | | | | | | 6 | | | | | | | | |
| | | | | | | 7 | | | | | | | | |
| | | | DMP | 0.3 | - | 8 | | | SM | | Silty SAND: light brown; 10% silt; 80% very fine to medium sand; 10% gravel and cobbles. | | | |
| | | | | | | 9 | | | | | | | | |
| | | | MST | 0.6 | - | 10 | | | SM | | Silty SAND: grey; 20% silt; 80% very fine to medium sand; trace gravel. | | | |
| | | | | | | 11 | | | | | | | | |
| | | | | 0.6 | - | 12 | | | | | | | | |
| | | | WET | - | - | 13 | | | SM | | Same as Above: increased (80%) subangular and rounded gravel and cobbles. | | | |
| | | | | | | 14 | | | | | | | | |
| | | | | 0.3 | - | 15 | | | | | | | | |
| | | | WET | 0.3 | - | 16 | | | SM | | Silty SAND: brown; 10% silt; 60% fine to very coarse sand; 30% subangular gravel and cobbles. | | | |
| | | | | | | 17 | | | | | | | | |
| | | | | | | 18 | | | SM | | Same as Above: greyish brown; 90% very fine to medium sand; 10% gravel. | | | |
| | | | | | | 19 | | | SM | | Same as Above: brown; fine to very coarse sand; increased gravel. | | | |
| | | | WET | 0.6 | - | 20 | | | | | Boring completed at 20' bgs as monitoring well | | | |
| | | | | | 21 | | | | | | | | | |
| | | | | | 22 | | | | | | | | | |

Subsurface Investigation Report
ARCO Facility No. 980
February 19, 2021



Appendix C - Waste Disposal Forms

Please print or type
(Form designed for use on elite (12-pitch) typewriter.)

| | | | | | | |
|--|---|------------------------|---|-----------------------------|---------------------------|-------------------|
| NON-HAZARDOUS WASTE MANIFEST | | 1. Generator ID Number | 2. Page 1 of | 3. Emergency Response Phone | 4. Waste Tracking Number | |
| 5. Generator's Name and Mailing Address | | | Generator's Site Address (if different than mailing address) | | | |
| Generator's Phone: | | | | | | |
| 6. Transporter 1 Company Name | | | U.S. EPA ID Number | | | |
| 7. Transporter 2 Company Name | | | U.S. EPA ID Number | | | |
| 8. Designated Facility Name and Site Address | | | U.S. EPA ID Number | | | |
| Facility's Phone: | | | | | | |
| GENERATOR | 9. Waste Shipping Name and Description | | 10. Containers | | 11. Total Quantity | 12. Unit Wt./Vol. |
| | | | No. | Type | | |
| | 1. | | 5 | Drum | 500 | g |
| | 2. | | 6 | Drum | 500 | g |
| | 3. | | | | | |
| 4. | | | | | | |
| 13. Special Handling Instructions and Additional Information | | | | | | |
| 14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste. | | | | | | |
| Generator's/Officer's Printed/Typed Name | | | Signature | | Month | Day Year |
| TRANSPORTER | 15. International Shipments | | <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. | | Port of entry/exit: _____ | |
| | Transporter Signature (for exports only): | | Date leaving U.S.: _____ | | | |
| 16. Transporter Acknowledgment of Receipt of Materials | | | | | | |
| Transporter 1 Printed/Typed Name | | | Signature | | Month | Day Year |
| Transporter 2 Printed/Typed Name | | | Signature | | Month | Day Year |
| DESIGNATED FACILITY | 17. Discrepancy | | | | | |
| | 17a. Discrepancy Indication Space | | | | | |
| | <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection | | | | | |
| | Manifest Reference Number: _____ | | | | | |
| 17b. Alternate Facility (or Generator) | | | U.S. EPA ID Number | | | |
| Facility's Phone: | | | | | | |
| 17c. Signature of Alternate Facility (or Generator) | | | Signature | | Month | Day Year |
| 18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a | | | | | | |
| Printed/Typed Name | | | Signature | | Month | Day Year |

Subsurface Investigation Report
ARCO Facility No. 980
February 19, 2021



Appendix D - Soil Laboratory Analytical Report and Chain-of-Custody Documentation

ANALYTICAL REPORT

Eurofins TestAmerica, Seattle
5755 8th Street East
Tacoma, WA 98424
Tel: (253)922-2310

Laboratory Job ID: 580-99238-1
Client Project/Site: ARCO Facility No. 00980

For:
Antea USA Inc.
4006 148th Ave NE
Redmond, Washington 98052

Attn: Megan Richard

M. Elaine Walker

Authorized for release by:
12/7/2020 5:17:12 PM

Elaine Walker, Project Manager II
(253)248-4972
m.elaine.walker@eurofinset.com

LINKS

Review your project
results through
TotalAccess

Have a Question?



Visit us at:

www.eurofinsus.com/Env

The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

The results listed within this Laboratory Report pertain only to the samples tested in the laboratory. The analyses contained in this report were performed in accordance with the BPLAMP Technical Specifications, applicable federal, state, local regulations and certification requirements as well as the methodologies as described in laboratory SOPs reviewed by the BPLAMP. This Laboratory Report is confidential and is intended for the sole use of Eurofins TestAmerica and its client. This report shall not be reproduced, except in full, without written permission from TestAmerica. The signature on the cover page extends to the case narrative and all the data and forms in the package. The Chain of Custody is included and is an integral part of this report.



Elaine Walker
Project Manager II
12/7/2020 5:17:12 PM

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Definitions/Glossary

Client: Antea USA Inc.
Project/Site: ARCO Facility No. 00980

Job ID: 580-99238-1

Qualifiers

GC/MS VOA

| Qualifier | Qualifier Description |
|-----------|--|
| * | LCS or LCSD is outside acceptance limits. |
| *3 | ISTD response or retention time outside acceptable limits. |
| H | Sample was prepped or analyzed beyond the specified holding time |
| J | Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value. |
| X | Surrogate recovery exceeds control limits |

GC VOA

| Qualifier | Qualifier Description |
|-----------|--|
| H | Sample was prepped or analyzed beyond the specified holding time |

Metals

| Qualifier | Qualifier Description |
|-----------|---|
| F3 | Duplicate RPD exceeds the control limit |
| F5 | Duplicate RPD exceeds limit, and one or both sample results are less than 5 times RL. |

Glossary

| Abbreviation | These commonly used abbreviations may or may not be present in this report. |
|----------------|---|
| α | Listed under the "D" column to designate that the result is reported on a dry weight basis |
| %R | Percent Recovery |
| CFL | Contains Free Liquid |
| CFU | Colony Forming Unit |
| CNF | Contains No Free Liquid |
| DER | Duplicate Error Ratio (normalized absolute difference) |
| Dil Fac | Dilution Factor |
| DL | Detection Limit (DoD/DOE) |
| DL, RA, RE, IN | Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample |
| DLC | Decision Level Concentration (Radiochemistry) |
| EDL | Estimated Detection Limit (Dioxin) |
| LOD | Limit of Detection (DoD/DOE) |
| LOQ | Limit of Quantitation (DoD/DOE) |
| MCL | EPA recommended "Maximum Contaminant Level" |
| MDA | Minimum Detectable Activity (Radiochemistry) |
| MDC | Minimum Detectable Concentration (Radiochemistry) |
| MDL | Method Detection Limit |
| ML | Minimum Level (Dioxin) |
| MPN | Most Probable Number |
| MQL | Method Quantitation Limit |
| NC | Not Calculated |
| ND | Not Detected at the reporting limit (or MDL or EDL if shown) |
| NEG | Negative / Absent |
| POS | Positive / Present |
| PQL | Practical Quantitation Limit |
| PRES | Presumptive |
| QC | Quality Control |
| RER | Relative Error Ratio (Radiochemistry) |
| RL | Reporting Limit or Requested Limit (Radiochemistry) |
| RPD | Relative Percent Difference, a measure of the relative difference between two points |
| TEF | Toxicity Equivalent Factor (Dioxin) |
| TEQ | Toxicity Equivalent Quotient (Dioxin) |
| TNTC | Too Numerous To Count |

Case Narrative

Client: Antea USA Inc.
Project/Site: ARCO Facility No. 00980

Job ID: 580-99238-1

Job ID: 580-99238-1

Laboratory: Eurofins TestAmerica, Seattle

Narrative

Job Narrative 580-99238-1

Receipt

Ten samples were received on 11/20/2020 11:55 AM; the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was -0.2° C.

GC/MS VOA

Method 8260D: The laboratory control sample duplicate (LCSD) for preparation batch 580-344221 and analytical batch 580-344378 recovered outside control limits for the following analyte: m-Xylene & pOXylene. The associated samples were reanalyzed outside hold time and both sets of data have been reported.

Method 8260D: Surrogate recovery for the following samples were outside control limits: MW-19.5_20201119 (580-99238-7), MW-18.12_20201119 (580-99238-8), and MW-18.16_20201119 (580-99238-9). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8260D: The laboratory control sample duplicate (LCSD) for preparation batch 580-344617 and analytical batch 580-344651 recovered outside control limits for the following analyte: Methyl tert-butyl ether. The analyte was biased high in the LCSD and was not detected in the associated samples; therefore, the data have been reported.

Method 8260D: Internal standard responses were outside of lower acceptance limits for the following sample: MW-18.16_20201119 (580-99238-9). The sample shows evidence of matrix interference, and a low IS response results in a high bias for target analytes. This sample was ND for all target analytes; therefore, the data have been reported.

Method 8260D: Reanalysis of the following samples were performed outside of the analytical holding time due to QC failure in initial analysis (Laboratory control sample duplicate recovered low for m-Xylene & p-Xylene): MW-17.5_20201117 (580-99238-1), MW-18.5_20201117 (580-99238-2) and MW-19.3_20201117 (580-99238-3). Both sets of data have been reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC VOA

Method NWTPH-Gx: Reanalysis of the following sample was performed outside of the analytical holding time due to the CCV failing high in the initial analysis due to carry over from a previous sample: MW-17.10_20201118 (580-99238-4). Both sets of data have been reported.

Method NWTPH-Gx: CCV recovered high for Gasoline due to carry over from a previous sample. No volume remains for sample MW-19.10_20201118 (580-99238-6) and the data have been reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC Semi VOA

Method NWTPH-Dx: Due to the high concentration of C10-C24 and Motor Oil, the matrix spike / matrix spike duplicate (MS/MSD) precision for preparation batch 580-344508 and analytical batch 580-344607 was outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory control sample duplicate (LCS/LCSD) precision was within acceptance limits.

Method NWTPH-Dx: The matrix spike / matrix spike duplicate (MS/MSD) precision for preparation batch 580-344659 and analytical batch 580-344835 was outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory control sample duplicate (LCS/LCSD) precision was within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Metals

Method 6010D: The Sample Duplciate (DU) was outside %RPD control limits for sample MW-17.5_20201117 (580-99238-1) in prep batch 580-344241 and analysis batch 580-344447. The MS/MSD and associated LCS/LCSD recoveries and precision met acceptance limits.

Case Narrative

Client: Antea USA Inc.
Project/Site: ARCO Facility No. 00980

Job ID: 580-99238-1

Job ID: 580-99238-1 (Continued)

Laboratory: Eurofins TestAmerica, Seattle (Continued)

No additional analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

General Chemistry

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

VOA Prep

Method 5035: The following samples were provided to the laboratory with a significantly different initial weight than that required by the reference method: MW-18.5_20201117 (580-99238-2), MW-19.3_20201117 (580-99238-3), MW-17.10_20201118 (580-99238-4), MW-17.15_20201118 (580-99238-5), MW-19.10_20201118 (580-99238-6), MW-19.5_20201119 (580-99238-7), MW-18.12_20201119 (580-99238-8), and MW-18.16_20201119 (580-99238-9). Deviations in the weight by more than 20% may affect reporting limits and potentially method performance. The method specifies 5g. The amount provided was above this range.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.



Detection Summary

Client: Antea USA Inc.
Project/Site: ARCO Facility No. 00980

Job ID: 580-99238-1

Client Sample ID: MW-17.5_20201117

Lab Sample ID: 580-99238-1

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|----------|--------|-----------|------|-----|-------|---------|---|--------|-----------|
| Arsenic | 5.3 | | 2.3 | | mg/Kg | 1 | ☒ | 6010D | Total/NA |
| Barium | 41 | | 0.38 | | mg/Kg | 1 | ☒ | 6010D | Total/NA |
| Chromium | 20 | | 0.99 | | mg/Kg | 1 | ☒ | 6010D | Total/NA |
| Lead | 9.7 | | 1.1 | | mg/Kg | 1 | ☒ | 6010D | Total/NA |

Client Sample ID: MW-18.5_20201117

Lab Sample ID: 580-99238-2

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|----------|--------|-----------|------|-----|-------|---------|---|--------|-----------|
| Arsenic | 6.1 | | 2.7 | | mg/Kg | 1 | ☒ | 6010D | Total/NA |
| Barium | 78 | | 0.44 | | mg/Kg | 1 | ☒ | 6010D | Total/NA |
| Chromium | 22 | | 1.2 | | mg/Kg | 1 | ☒ | 6010D | Total/NA |
| Lead | 6.9 | | 1.3 | | mg/Kg | 1 | ☒ | 6010D | Total/NA |

Client Sample ID: MW-19.3_20201117

Lab Sample ID: 580-99238-3

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|----------|--------|-----------|------|-----|-------|---------|---|--------|-----------|
| Arsenic | 4.0 | | 2.5 | | mg/Kg | 1 | ☒ | 6010D | Total/NA |
| Barium | 38 | | 0.42 | | mg/Kg | 1 | ☒ | 6010D | Total/NA |
| Chromium | 26 | | 1.1 | | mg/Kg | 1 | ☒ | 6010D | Total/NA |
| Lead | 10 | | 1.3 | | mg/Kg | 1 | ☒ | 6010D | Total/NA |

Client Sample ID: MW-17.10_20201118

Lab Sample ID: 580-99238-4

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---------------|--------|-----------|------|-----|-------|---------|---|----------|-----------|
| Gasoline | 7.5 | | 4.7 | | mg/Kg | 1 | ☒ | NWTPH-Gx | Total/NA |
| Gasoline - RA | 8.9 | H | 4.7 | | mg/Kg | 1 | ☒ | NWTPH-Gx | Total/NA |
| Arsenic | 3.2 | | 2.3 | | mg/Kg | 1 | ☒ | 6010D | Total/NA |
| Barium | 26 | | 0.38 | | mg/Kg | 1 | ☒ | 6010D | Total/NA |
| Chromium | 16 | | 0.99 | | mg/Kg | 1 | ☒ | 6010D | Total/NA |
| Lead | 2.1 | | 1.1 | | mg/Kg | 1 | ☒ | 6010D | Total/NA |

Client Sample ID: MW-17.15_20201118

Lab Sample ID: 580-99238-5

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|----------|--------|-----------|------|-----|-------|---------|---|--------|-----------|
| Barium | 29 | | 0.41 | | mg/Kg | 1 | ☒ | 6010D | Total/NA |
| Chromium | 19 | | 1.1 | | mg/Kg | 1 | ☒ | 6010D | Total/NA |
| Lead | 2.5 | | 1.2 | | mg/Kg | 1 | ☒ | 6010D | Total/NA |

Client Sample ID: MW-19.10_20201118

Lab Sample ID: 580-99238-6

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|----------|--------|-----------|------|-----|-------|---------|---|----------|-----------|
| Gasoline | 10 | | 5.0 | | mg/Kg | 1 | ☒ | NWTPH-Gx | Total/NA |
| Barium | 32 | | 0.39 | | mg/Kg | 1 | ☒ | 6010D | Total/NA |
| Chromium | 16 | | 1.0 | | mg/Kg | 1 | ☒ | 6010D | Total/NA |
| Lead | 2.2 | | 1.2 | | mg/Kg | 1 | ☒ | 6010D | Total/NA |

Client Sample ID: MW-19.5_20201119

Lab Sample ID: 580-99238-7

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---------------------|--------|-----------|--------|-----|-------|---------|---|--------|-----------|
| Ethylbenzene | 0.011 | | 0.0018 | | mg/Kg | 1 | ☒ | 8260D | Total/NA |
| m-Xylene & p-Xylene | 0.048 | | 0.0088 | | mg/Kg | 1 | ☒ | 8260D | Total/NA |
| o-Xylene | 0.017 | | 0.0044 | | mg/Kg | 1 | ☒ | 8260D | Total/NA |
| Toluene | 0.043 | | 0.0088 | | mg/Kg | 1 | ☒ | 8260D | Total/NA |
| Xylenes, Total | 0.065 | | 0.0088 | | mg/Kg | 1 | ☒ | 8260D | Total/NA |

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Seattle

Detection Summary

Client: Antea USA Inc.
Project/Site: ARCO Facility No. 00980

Job ID: 580-99238-1

Client Sample ID: MW-19.5_20201119 (Continued)

Lab Sample ID: 580-99238-7

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|----------|--------|-----------|------|-----|-------|---------|---|--------|-----------|
| Barium | 28 | | 0.39 | | mg/Kg | 1 | ✳ | 6010D | Total/NA |
| Chromium | 18 | | 1.0 | | mg/Kg | 1 | ✳ | 6010D | Total/NA |
| Lead | 3.1 | | 1.2 | | mg/Kg | 1 | ✳ | 6010D | Total/NA |

Client Sample ID: MW-18.12_20201119

Lab Sample ID: 580-99238-8

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---------------------|--------|-----------|--------|-----|-------|---------|---|--------|-----------|
| Ethylbenzene | 0.0030 | | 0.0017 | | mg/Kg | 1 | ✳ | 8260D | Total/NA |
| m-Xylene & p-Xylene | 0.012 | | 0.0083 | | mg/Kg | 1 | ✳ | 8260D | Total/NA |
| o-Xylene | 0.0045 | | 0.0042 | | mg/Kg | 1 | ✳ | 8260D | Total/NA |
| Toluene | 0.013 | | 0.0083 | | mg/Kg | 1 | ✳ | 8260D | Total/NA |
| Xylenes, Total | 0.017 | | 0.0083 | | mg/Kg | 1 | ✳ | 8260D | Total/NA |
| Barium | 26 | | 0.36 | | mg/Kg | 1 | ✳ | 6010D | Total/NA |
| Chromium | 16 | | 0.93 | | mg/Kg | 1 | ✳ | 6010D | Total/NA |
| Lead | 1.9 | | 1.1 | | mg/Kg | 1 | ✳ | 6010D | Total/NA |

Client Sample ID: MW-18.16_20201119

Lab Sample ID: 580-99238-9

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|----------|--------|-----------|------|-----|-------|---------|---|--------|-----------|
| Barium | 26 | | 0.39 | | mg/Kg | 1 | ✳ | 6010D | Total/NA |
| Chromium | 17 | | 1.0 | | mg/Kg | 1 | ✳ | 6010D | Total/NA |
| Lead | 2.0 | | 1.2 | | mg/Kg | 1 | ✳ | 6010D | Total/NA |

Client Sample ID: Trip Blank_20201119

Lab Sample ID: 580-99238-10

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Seattle

Client Sample Results

Client: Antea USA Inc.
Project/Site: ARCO Facility No. 00980

Job ID: 580-99238-1

Client Sample ID: MW-17.5_20201117

Lab Sample ID: 580-99238-1

Date Collected: 11/17/20 11:10

Matrix: Solid

Date Received: 11/20/20 11:55

Percent Solids: 88.8

Method: 8260D - Volatile Organic Compounds by GC/MS

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------|--------|-----------|--------|-----|-------|---|----------------|----------------|---------|
| Benzene | ND | | 0.0024 | | mg/Kg | ☼ | 11/20/20 14:40 | 11/27/20 22:48 | 1 |
| EDB | ND | | 0.0012 | | mg/Kg | ☼ | 11/20/20 14:40 | 11/27/20 22:48 | 1 |
| EDC | ND | | 0.0012 | | mg/Kg | ☼ | 11/20/20 14:40 | 11/27/20 22:48 | 1 |
| Ethylbenzene | ND | | 0.0024 | | mg/Kg | ☼ | 11/20/20 14:40 | 11/27/20 22:48 | 1 |
| Methyl tert-butyl ether | ND | | 0.0024 | | mg/Kg | ☼ | 11/20/20 14:40 | 11/27/20 22:48 | 1 |
| m-Xylene & p-Xylene | ND * | | 0.012 | | mg/Kg | ☼ | 11/20/20 14:40 | 11/27/20 22:48 | 1 |
| n-Hexane | ND | | 0.024 | | mg/Kg | ☼ | 11/20/20 14:40 | 11/27/20 22:48 | 1 |
| o-Xylene | ND | | 0.0061 | | mg/Kg | ☼ | 11/20/20 14:40 | 11/27/20 22:48 | 1 |
| Toluene | ND | | 0.012 | | mg/Kg | ☼ | 11/20/20 14:40 | 11/27/20 22:48 | 1 |
| Xylenes, Total | ND | | 0.012 | | mg/Kg | ☼ | 11/20/20 14:40 | 11/27/20 22:48 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 104 | | 80 - 121 | 11/20/20 14:40 | 11/27/20 22:48 | 1 |
| 4-Bromofluorobenzene (Surr) | 100 | | 80 - 120 | 11/20/20 14:40 | 11/27/20 22:48 | 1 |
| Dibromofluoromethane (Surr) | 99 | | 80 - 120 | 11/20/20 14:40 | 11/27/20 22:48 | 1 |
| Toluene-d8 (Surr) | 99 | | 80 - 120 | 11/20/20 14:40 | 11/27/20 22:48 | 1 |

Method: 8260D - Volatile Organic Compounds by GC/MS - RA

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------|--------|-----------|-------|-----|-------|---|----------------|----------------|---------|
| m-Xylene & p-Xylene | ND | H | 0.011 | | mg/Kg | ☼ | 11/20/20 14:40 | 12/03/20 16:57 | 1 |
| Xylenes, Total | ND | H | 0.011 | | mg/Kg | ☼ | 11/20/20 14:40 | 12/03/20 16:57 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 105 | | 80 - 121 | 11/20/20 14:40 | 12/03/20 16:57 | 1 |
| 4-Bromofluorobenzene (Surr) | 98 | | 80 - 120 | 11/20/20 14:40 | 12/03/20 16:57 | 1 |
| Dibromofluoromethane (Surr) | 107 | | 80 - 120 | 11/20/20 14:40 | 12/03/20 16:57 | 1 |
| Toluene-d8 (Surr) | 101 | | 80 - 120 | 11/20/20 14:40 | 12/03/20 16:57 | 1 |

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|-----|-----|-------|---|----------------|----------------|---------|
| Gasoline | ND | | 6.4 | | mg/Kg | ☼ | 11/25/20 15:01 | 11/27/20 19:36 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 86 | | 50 - 150 | 11/25/20 15:01 | 11/27/20 19:36 | 1 |

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------|--------|-----------|----|-----|-------|---|----------------|----------------|---------|
| #2 Diesel (C10-C24) | ND | | 56 | | mg/Kg | ☼ | 12/01/20 17:22 | 12/02/20 18:23 | 1 |
| Motor Oil (>C24-C36) | ND | | 56 | | mg/Kg | ☼ | 12/01/20 17:22 | 12/02/20 18:23 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-------------|-----------|-----------|----------|----------------|----------------|---------|
| o-Terphenyl | 90 | | 50 - 150 | 12/01/20 17:22 | 12/02/20 18:23 | 1 |

Method: 6010D - Metals (ICP)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------------|----------------|---------|
| Arsenic | 5.3 | | 2.3 | | mg/Kg | ☼ | 11/28/20 08:11 | 12/01/20 01:54 | 1 |
| Barium | 41 | | 0.38 | | mg/Kg | ☼ | 11/28/20 08:11 | 12/01/20 01:54 | 1 |
| Cadmium | ND | | 0.76 | | mg/Kg | ☼ | 11/28/20 08:11 | 12/01/20 01:54 | 1 |
| Chromium | 20 | | 0.99 | | mg/Kg | ☼ | 11/28/20 08:11 | 12/01/20 01:54 | 1 |
| Lead | 9.7 | | 1.1 | | mg/Kg | ☼ | 11/28/20 08:11 | 12/01/20 01:54 | 1 |
| Selenium | ND | | 3.8 | | mg/Kg | ☼ | 11/28/20 08:11 | 12/01/20 01:54 | 1 |

Eurofins TestAmerica, Seattle

Client Sample Results

Client: Antea USA Inc.
Project/Site: ARCO Facility No. 00980

Job ID: 580-99238-1

Client Sample ID: MW-17.5_20201117

Lab Sample ID: 580-99238-1

Date Collected: 11/17/20 11:10

Matrix: Solid

Date Received: 11/20/20 11:55

Percent Solids: 88.8

Method: 6010D - Metals (ICP) (Continued)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|-----|-----|-------|---|----------------|----------------|---------|
| Silver | ND | | 1.9 | | mg/Kg | ☼ | 11/28/20 08:11 | 12/01/20 01:54 | 1 |

Client Sample ID: MW-18.5_20201117

Lab Sample ID: 580-99238-2

Date Collected: 11/17/20 12:19

Matrix: Solid

Date Received: 11/20/20 11:55

Percent Solids: 79.2

Method: 8260D - Volatile Organic Compounds by GC/MS

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------|--------|-----------|--------|-----|-------|---|----------------|----------------|---------|
| Benzene | ND | | 0.0020 | | mg/Kg | ☼ | 11/20/20 14:40 | 11/27/20 23:14 | 1 |
| EDB | ND | | 0.0010 | | mg/Kg | ☼ | 11/20/20 14:40 | 11/27/20 23:14 | 1 |
| EDC | ND | | 0.0010 | | mg/Kg | ☼ | 11/20/20 14:40 | 11/27/20 23:14 | 1 |
| Ethylbenzene | ND | | 0.0020 | | mg/Kg | ☼ | 11/20/20 14:40 | 11/27/20 23:14 | 1 |
| Methyl tert-butyl ether | ND | | 0.0020 | | mg/Kg | ☼ | 11/20/20 14:40 | 11/27/20 23:14 | 1 |
| m-Xylene & p-Xylene | ND | * | 0.010 | | mg/Kg | ☼ | 11/20/20 14:40 | 11/27/20 23:14 | 1 |
| n-Hexane | ND | | 0.020 | | mg/Kg | ☼ | 11/20/20 14:40 | 11/27/20 23:14 | 1 |
| o-Xylene | ND | | 0.0051 | | mg/Kg | ☼ | 11/20/20 14:40 | 11/27/20 23:14 | 1 |
| Toluene | ND | | 0.010 | | mg/Kg | ☼ | 11/20/20 14:40 | 11/27/20 23:14 | 1 |
| Xylenes, Total | ND | | 0.010 | | mg/Kg | ☼ | 11/20/20 14:40 | 11/27/20 23:14 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 102 | | 80 - 121 | 11/20/20 14:40 | 11/27/20 23:14 | 1 |
| 4-Bromofluorobenzene (Surr) | 96 | | 80 - 120 | 11/20/20 14:40 | 11/27/20 23:14 | 1 |
| Dibromofluoromethane (Surr) | 102 | | 80 - 120 | 11/20/20 14:40 | 11/27/20 23:14 | 1 |
| Toluene-d8 (Surr) | 99 | | 80 - 120 | 11/20/20 14:40 | 11/27/20 23:14 | 1 |

Method: 8260D - Volatile Organic Compounds by GC/MS - RA

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------|--------|-----------|--------|-----|-------|---|----------------|----------------|---------|
| m-Xylene & p-Xylene | ND | H | 0.0099 | | mg/Kg | ☼ | 11/20/20 14:40 | 12/03/20 17:23 | 1 |
| Xylenes, Total | ND | H | 0.0099 | | mg/Kg | ☼ | 11/20/20 14:40 | 12/03/20 17:23 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 0 | X *3 | 80 - 121 | 11/20/20 14:40 | 12/03/20 17:23 | 1 |
| 4-Bromofluorobenzene (Surr) | 0 | X | 80 - 120 | 11/20/20 14:40 | 12/03/20 17:23 | 1 |
| Dibromofluoromethane (Surr) | 0 | X *3 | 80 - 120 | 11/20/20 14:40 | 12/03/20 17:23 | 1 |
| Toluene-d8 (Surr) | 16 | X | 80 - 120 | 11/20/20 14:40 | 12/03/20 17:23 | 1 |

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|-----|-----|-------|---|----------------|----------------|---------|
| Gasoline | ND | | 6.8 | | mg/Kg | ☼ | 12/01/20 12:19 | 12/01/20 13:57 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 83 | | 50 - 150 | 12/01/20 12:19 | 12/01/20 13:57 | 1 |

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------|--------|-----------|----|-----|-------|---|----------------|----------------|---------|
| #2 Diesel (C10-C24) | ND | | 61 | | mg/Kg | ☼ | 12/01/20 17:22 | 12/02/20 19:03 | 1 |
| Motor Oil (>C24-C36) | ND | | 61 | | mg/Kg | ☼ | 12/01/20 17:22 | 12/02/20 19:03 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-------------|-----------|-----------|----------|----------------|----------------|---------|
| o-Terphenyl | 84 | | 50 - 150 | 12/01/20 17:22 | 12/02/20 19:03 | 1 |

Eurofins TestAmerica, Seattle

Client Sample Results

Client: Antea USA Inc.
Project/Site: ARCO Facility No. 00980

Job ID: 580-99238-1

Client Sample ID: MW-18.5_20201117

Lab Sample ID: 580-99238-2

Date Collected: 11/17/20 12:19

Matrix: Solid

Date Received: 11/20/20 11:55

Percent Solids: 79.2

Method: 6010D - Metals (ICP)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------------|----------------|---------|
| Arsenic | 6.1 | | 2.7 | | mg/Kg | ☼ | 11/28/20 08:11 | 12/01/20 02:23 | 1 |
| Barium | 78 | | 0.44 | | mg/Kg | ☼ | 11/28/20 08:11 | 12/01/20 02:23 | 1 |
| Cadmium | ND | | 0.89 | | mg/Kg | ☼ | 11/28/20 08:11 | 12/01/20 02:23 | 1 |
| Chromium | 22 | | 1.2 | | mg/Kg | ☼ | 11/28/20 08:11 | 12/01/20 02:23 | 1 |
| Lead | 6.9 | | 1.3 | | mg/Kg | ☼ | 11/28/20 08:11 | 12/01/20 02:23 | 1 |
| Selenium | ND | | 4.4 | | mg/Kg | ☼ | 11/28/20 08:11 | 12/01/20 02:23 | 1 |
| Silver | ND | | 2.2 | | mg/Kg | ☼ | 11/28/20 08:11 | 12/01/20 02:23 | 1 |

Client Sample ID: MW-19.3_20201117

Lab Sample ID: 580-99238-3

Date Collected: 11/17/20 13:30

Matrix: Solid

Date Received: 11/20/20 11:55

Percent Solids: 90.8

Method: 8260D - Volatile Organic Compounds by GC/MS

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------|--------|-----------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene | ND | | 0.0018 | | mg/Kg | ☼ | 11/20/20 14:40 | 11/27/20 23:40 | 1 |
| EDB | ND | | 0.00088 | | mg/Kg | ☼ | 11/20/20 14:40 | 11/27/20 23:40 | 1 |
| EDC | ND | | 0.00088 | | mg/Kg | ☼ | 11/20/20 14:40 | 11/27/20 23:40 | 1 |
| Ethylbenzene | ND | | 0.0018 | | mg/Kg | ☼ | 11/20/20 14:40 | 11/27/20 23:40 | 1 |
| Methyl tert-butyl ether | ND | | 0.0018 | | mg/Kg | ☼ | 11/20/20 14:40 | 11/27/20 23:40 | 1 |
| m-Xylene & p-Xylene | ND * | | 0.0088 | | mg/Kg | ☼ | 11/20/20 14:40 | 11/27/20 23:40 | 1 |
| n-Hexane | ND | | 0.018 | | mg/Kg | ☼ | 11/20/20 14:40 | 11/27/20 23:40 | 1 |
| o-Xylene | ND | | 0.0044 | | mg/Kg | ☼ | 11/20/20 14:40 | 11/27/20 23:40 | 1 |
| Toluene | ND | | 0.0088 | | mg/Kg | ☼ | 11/20/20 14:40 | 11/27/20 23:40 | 1 |
| Xylenes, Total | ND | | 0.0088 | | mg/Kg | ☼ | 11/20/20 14:40 | 11/27/20 23:40 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 98 | | 80 - 121 | 11/20/20 14:40 | 11/27/20 23:40 | 1 |
| 4-Bromofluorobenzene (Surr) | 102 | | 80 - 120 | 11/20/20 14:40 | 11/27/20 23:40 | 1 |
| Dibromofluoromethane (Surr) | 98 | | 80 - 120 | 11/20/20 14:40 | 11/27/20 23:40 | 1 |
| Toluene-d8 (Surr) | 98 | | 80 - 120 | 11/20/20 14:40 | 11/27/20 23:40 | 1 |

Method: 8260D - Volatile Organic Compounds by GC/MS - RA

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------|--------|-----------|--------|-----|-------|---|----------------|----------------|---------|
| m-Xylene & p-Xylene | ND | H | 0.0073 | | mg/Kg | ☼ | 11/20/20 14:40 | 12/03/20 17:48 | 1 |
| Xylenes, Total | ND | H | 0.0073 | | mg/Kg | ☼ | 11/20/20 14:40 | 12/03/20 17:48 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 120 | | 80 - 121 | 11/20/20 14:40 | 12/03/20 17:48 | 1 |
| 4-Bromofluorobenzene (Surr) | 95 | | 80 - 120 | 11/20/20 14:40 | 12/03/20 17:48 | 1 |
| Dibromofluoromethane (Surr) | 105 | | 80 - 120 | 11/20/20 14:40 | 12/03/20 17:48 | 1 |
| Toluene-d8 (Surr) | 92 | | 80 - 120 | 11/20/20 14:40 | 12/03/20 17:48 | 1 |

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|-----|-----|-------|---|----------------|----------------|---------|
| Gasoline | ND | | 5.0 | | mg/Kg | ☼ | 12/01/20 12:19 | 12/01/20 14:22 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 87 | | 50 - 150 | 12/01/20 12:19 | 12/01/20 14:22 | 1 |

Eurofins TestAmerica, Seattle

Client Sample Results

Client: Antea USA Inc.
Project/Site: ARCO Facility No. 00980

Job ID: 580-99238-1

Client Sample ID: MW-19.3_20201117

Lab Sample ID: 580-99238-3

Date Collected: 11/17/20 13:30

Matrix: Solid

Date Received: 11/20/20 11:55

Percent Solids: 90.8

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| #2 Diesel (C10-C24) | ND | | 54 | | mg/Kg | ☼ | 12/01/20 17:22 | 12/02/20 19:23 | 1 |
| Motor Oil (>C24-C36) | ND | | 54 | | mg/Kg | ☼ | 12/01/20 17:22 | 12/02/20 19:23 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| <i>o</i> -Terphenyl | 88 | | 50 - 150 | | | | 12/01/20 17:22 | 12/02/20 19:23 | 1 |

Method: 6010D - Metals (ICP)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------------|----------------|---------|
| Arsenic | 4.0 | | 2.5 | | mg/Kg | ☼ | 11/28/20 08:11 | 12/01/20 02:27 | 1 |
| Barium | 38 | | 0.42 | | mg/Kg | ☼ | 11/28/20 08:11 | 12/01/20 02:27 | 1 |
| Cadmium | ND | | 0.84 | | mg/Kg | ☼ | 11/28/20 08:11 | 12/01/20 02:27 | 1 |
| Chromium | 26 | | 1.1 | | mg/Kg | ☼ | 11/28/20 08:11 | 12/01/20 02:27 | 1 |
| Lead | 10 | | 1.3 | | mg/Kg | ☼ | 11/28/20 08:11 | 12/01/20 02:27 | 1 |
| Selenium | ND | | 4.2 | | mg/Kg | ☼ | 11/28/20 08:11 | 12/01/20 02:27 | 1 |
| Silver | ND | | 2.1 | | mg/Kg | ☼ | 11/28/20 08:11 | 12/01/20 02:27 | 1 |

Client Sample ID: MW-17.10_20201118

Lab Sample ID: 580-99238-4

Date Collected: 11/18/20 12:00

Matrix: Solid

Date Received: 11/20/20 11:55

Percent Solids: 93.1

Method: 8260D - Volatile Organic Compounds by GC/MS

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Benzene | ND | | 0.0016 | | mg/Kg | ☼ | 11/20/20 14:40 | 12/02/20 02:26 | 1 |
| EDB | ND | | 0.00080 | | mg/Kg | ☼ | 11/20/20 14:40 | 12/02/20 02:26 | 1 |
| EDC | ND | | 0.00080 | | mg/Kg | ☼ | 11/20/20 14:40 | 12/02/20 02:26 | 1 |
| Ethylbenzene | ND | | 0.0016 | | mg/Kg | ☼ | 11/20/20 14:40 | 12/02/20 02:26 | 1 |
| Methyl tert-butyl ether | ND | | 0.0016 | | mg/Kg | ☼ | 11/20/20 14:40 | 12/02/20 02:26 | 1 |
| m-Xylene & p-Xylene | ND | | 0.0080 | | mg/Kg | ☼ | 11/20/20 14:40 | 12/02/20 02:26 | 1 |
| n-Hexane | ND | | 0.016 | | mg/Kg | ☼ | 11/20/20 14:40 | 12/02/20 02:26 | 1 |
| o-Xylene | ND | | 0.0040 | | mg/Kg | ☼ | 11/20/20 14:40 | 12/02/20 02:26 | 1 |
| Toluene | ND | | 0.0080 | | mg/Kg | ☼ | 11/20/20 14:40 | 12/02/20 02:26 | 1 |
| Xylenes, Total | ND | | 0.0080 | | mg/Kg | ☼ | 11/20/20 14:40 | 12/02/20 02:26 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| <i>1,2</i> -Dichloroethane-d4 (Surr) | 106 | | 80 - 121 | | | | 11/20/20 14:40 | 12/02/20 02:26 | 1 |
| <i>4</i> -Bromofluorobenzene (Surr) | 104 | | 80 - 120 | | | | 11/20/20 14:40 | 12/02/20 02:26 | 1 |
| <i>Dibromofluoromethane</i> (Surr) | 101 | | 80 - 120 | | | | 11/20/20 14:40 | 12/02/20 02:26 | 1 |
| <i>Toluene-d8</i> (Surr) | 95 | | 80 - 120 | | | | 11/20/20 14:40 | 12/02/20 02:26 | 1 |

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Gasoline | 7.5 | | 4.7 | | mg/Kg | ☼ | 12/02/20 12:40 | 12/02/20 20:23 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| <i>4</i> -Bromofluorobenzene (Surr) | 91 | | 50 - 150 | | | | 12/02/20 12:40 | 12/02/20 20:23 | 1 |

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC) - RA

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Gasoline | 8.9 | H | 4.7 | | mg/Kg | ☼ | 12/02/20 12:40 | 12/03/20 19:27 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| <i>4</i> -Bromofluorobenzene (Surr) | 87 | | 50 - 150 | | | | 12/02/20 12:40 | 12/03/20 19:27 | 1 |

Euromins TestAmerica, Seattle

Client Sample Results

Client: Antea USA Inc.
Project/Site: ARCO Facility No. 00980

Job ID: 580-99238-1

Client Sample ID: MW-17.10_20201118

Lab Sample ID: 580-99238-4

Date Collected: 11/18/20 12:00

Matrix: Solid

Date Received: 11/20/20 11:55

Percent Solids: 93.1

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| #2 Diesel (C10-C24) | ND | | 49 | | mg/Kg | ☼ | 12/02/20 17:53 | 12/05/20 02:25 | 1 |
| Motor Oil (>C24-C36) | ND | | 49 | | mg/Kg | ☼ | 12/02/20 17:53 | 12/05/20 02:25 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| <i>o</i> -Terphenyl | 109 | | 50 - 150 | | | | 12/02/20 17:53 | 12/05/20 02:25 | 1 |

Method: 6010D - Metals (ICP)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------------|----------------|---------|
| Arsenic | 3.2 | | 2.3 | | mg/Kg | ☼ | 11/28/20 08:11 | 12/01/20 02:30 | 1 |
| Barium | 26 | | 0.38 | | mg/Kg | ☼ | 11/28/20 08:11 | 12/01/20 02:30 | 1 |
| Cadmium | ND | | 0.76 | | mg/Kg | ☼ | 11/28/20 08:11 | 12/01/20 02:30 | 1 |
| Chromium | 16 | | 0.99 | | mg/Kg | ☼ | 11/28/20 08:11 | 12/01/20 02:30 | 1 |
| Lead | 2.1 | | 1.1 | | mg/Kg | ☼ | 11/28/20 08:11 | 12/01/20 02:30 | 1 |
| Selenium | ND | | 3.8 | | mg/Kg | ☼ | 11/28/20 08:11 | 12/01/20 02:30 | 1 |
| Silver | ND | | 1.9 | | mg/Kg | ☼ | 11/28/20 08:11 | 12/01/20 02:30 | 1 |

Client Sample ID: MW-17.15_20201118

Lab Sample ID: 580-99238-5

Date Collected: 11/18/20 12:10

Matrix: Solid

Date Received: 11/20/20 11:55

Percent Solids: 92.2

Method: 8260D - Volatile Organic Compounds by GC/MS

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Benzene | ND | | 0.0017 | | mg/Kg | ☼ | 11/20/20 14:40 | 11/30/20 23:19 | 1 |
| EDB | ND | | 0.00086 | | mg/Kg | ☼ | 11/20/20 14:40 | 11/30/20 23:19 | 1 |
| EDC | ND | | 0.00086 | | mg/Kg | ☼ | 11/20/20 14:40 | 11/30/20 23:19 | 1 |
| Ethylbenzene | ND | | 0.0017 | | mg/Kg | ☼ | 11/20/20 14:40 | 11/30/20 23:19 | 1 |
| Methyl tert-butyl ether | ND | | 0.0017 | | mg/Kg | ☼ | 11/20/20 14:40 | 11/30/20 23:19 | 1 |
| m-Xylene & p-Xylene | ND | | 0.0086 | | mg/Kg | ☼ | 11/20/20 14:40 | 11/30/20 23:19 | 1 |
| n-Hexane | ND | | 0.017 | | mg/Kg | ☼ | 11/20/20 14:40 | 11/30/20 23:19 | 1 |
| o-Xylene | ND | | 0.0043 | | mg/Kg | ☼ | 11/20/20 14:40 | 11/30/20 23:19 | 1 |
| Toluene | ND | | 0.0086 | | mg/Kg | ☼ | 11/20/20 14:40 | 11/30/20 23:19 | 1 |
| Xylenes, Total | ND | | 0.0086 | | mg/Kg | ☼ | 11/20/20 14:40 | 11/30/20 23:19 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| <i>1,2</i> -Dichloroethane-d4 (Surr) | 100 | | 80 - 121 | | | | 11/20/20 14:40 | 11/30/20 23:19 | 1 |
| <i>4</i> -Bromofluorobenzene (Surr) | 104 | | 80 - 120 | | | | 11/20/20 14:40 | 11/30/20 23:19 | 1 |
| <i>Dibromofluoromethane</i> (Surr) | 99 | | 80 - 120 | | | | 11/20/20 14:40 | 11/30/20 23:19 | 1 |
| <i>Toluene-d8</i> (Surr) | 100 | | 80 - 120 | | | | 11/20/20 14:40 | 11/30/20 23:19 | 1 |

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Gasoline | ND | | 4.6 | | mg/Kg | ☼ | 12/02/20 12:40 | 12/02/20 20:48 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| <i>4</i> -Bromofluorobenzene (Surr) | 87 | | 50 - 150 | | | | 12/02/20 12:40 | 12/02/20 20:48 | 1 |

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------|--------|-----------|----|-----|-------|---|----------------|----------------|---------|
| #2 Diesel (C10-C24) | ND | | 54 | | mg/Kg | ☼ | 12/02/20 17:53 | 12/05/20 02:45 | 1 |
| Motor Oil (>C24-C36) | ND | | 54 | | mg/Kg | ☼ | 12/02/20 17:53 | 12/05/20 02:45 | 1 |

Eurofins TestAmerica, Seattle

Client Sample Results

Client: Antea USA Inc.
Project/Site: ARCO Facility No. 00980

Job ID: 580-99238-1

Client Sample ID: MW-17.15_20201118

Lab Sample ID: 580-99238-5

Date Collected: 11/18/20 12:10

Matrix: Solid

Date Received: 11/20/20 11:55

Percent Solids: 92.2

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---------------------|-----------|-----------|----------|----------------|----------------|---------|
| <i>o</i> -Terphenyl | 105 | | 50 - 150 | 12/02/20 17:53 | 12/05/20 02:45 | 1 |

Method: 6010D - Metals (ICP)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------|------------|-----------|------|-----|-------|---|----------------|----------------|---------|
| Arsenic | ND | | 2.5 | | mg/Kg | ☆ | 11/28/20 08:11 | 12/01/20 02:33 | 1 |
| Barium | 29 | | 0.41 | | mg/Kg | ☆ | 11/28/20 08:11 | 12/01/20 02:33 | 1 |
| Cadmium | ND | | 0.82 | | mg/Kg | ☆ | 11/28/20 08:11 | 12/01/20 02:33 | 1 |
| Chromium | 19 | | 1.1 | | mg/Kg | ☆ | 11/28/20 08:11 | 12/01/20 02:33 | 1 |
| Lead | 2.5 | | 1.2 | | mg/Kg | ☆ | 11/28/20 08:11 | 12/01/20 02:33 | 1 |
| Selenium | ND | | 4.1 | | mg/Kg | ☆ | 11/28/20 08:11 | 12/01/20 02:33 | 1 |
| Silver | ND | | 2.0 | | mg/Kg | ☆ | 11/28/20 08:11 | 12/01/20 02:33 | 1 |

Client Sample ID: MW-19.10_20201118

Lab Sample ID: 580-99238-6

Date Collected: 11/18/20 14:30

Matrix: Solid

Date Received: 11/20/20 11:55

Percent Solids: 93.6

Method: 8260D - Volatile Organic Compounds by GC/MS

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------|--------|-----------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene | ND | | 0.0018 | | mg/Kg | ☆ | 11/20/20 14:40 | 11/30/20 23:45 | 1 |
| EDB | ND | | 0.00089 | | mg/Kg | ☆ | 11/20/20 14:40 | 11/30/20 23:45 | 1 |
| EDC | ND | | 0.00089 | | mg/Kg | ☆ | 11/20/20 14:40 | 11/30/20 23:45 | 1 |
| Ethylbenzene | ND | | 0.0018 | | mg/Kg | ☆ | 11/20/20 14:40 | 11/30/20 23:45 | 1 |
| Methyl tert-butyl ether | ND | | 0.0018 | | mg/Kg | ☆ | 11/20/20 14:40 | 11/30/20 23:45 | 1 |
| m-Xylene & p-Xylene | ND | | 0.0089 | | mg/Kg | ☆ | 11/20/20 14:40 | 11/30/20 23:45 | 1 |
| n-Hexane | ND | | 0.018 | | mg/Kg | ☆ | 11/20/20 14:40 | 11/30/20 23:45 | 1 |
| o-Xylene | ND | | 0.0044 | | mg/Kg | ☆ | 11/20/20 14:40 | 11/30/20 23:45 | 1 |
| Toluene | ND | | 0.0089 | | mg/Kg | ☆ | 11/20/20 14:40 | 11/30/20 23:45 | 1 |
| Xylenes, Total | ND | | 0.0089 | | mg/Kg | ☆ | 11/20/20 14:40 | 11/30/20 23:45 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|--------------------------------------|-----------|-----------|----------|----------------|----------------|---------|
| <i>1,2</i> -Dichloroethane-d4 (Surr) | 101 | | 80 - 121 | 11/20/20 14:40 | 11/30/20 23:45 | 1 |
| <i>4</i> -Bromofluorobenzene (Surr) | 103 | | 80 - 120 | 11/20/20 14:40 | 11/30/20 23:45 | 1 |
| <i>Dibromofluoromethane</i> (Surr) | 96 | | 80 - 120 | 11/20/20 14:40 | 11/30/20 23:45 | 1 |
| <i>Toluene-d8</i> (Surr) | 94 | | 80 - 120 | 11/20/20 14:40 | 11/30/20 23:45 | 1 |

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------|-----------|-----------|-----|-----|-------|---|----------------|----------------|---------|
| Gasoline | 10 | | 5.0 | | mg/Kg | ☆ | 12/02/20 12:40 | 12/02/20 21:12 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-------------------------------------|-----------|-----------|----------|----------------|----------------|---------|
| <i>4</i> -Bromofluorobenzene (Surr) | 92 | | 50 - 150 | 12/02/20 12:40 | 12/02/20 21:12 | 1 |

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------|--------|-----------|----|-----|-------|---|----------------|----------------|---------|
| #2 Diesel (C10-C24) | ND | | 52 | | mg/Kg | ☆ | 12/02/20 17:53 | 12/05/20 03:05 | 1 |
| Motor Oil (>C24-C36) | ND | | 52 | | mg/Kg | ☆ | 12/02/20 17:53 | 12/05/20 03:05 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---------------------|-----------|-----------|----------|----------------|----------------|---------|
| <i>o</i> -Terphenyl | 106 | | 50 - 150 | 12/02/20 17:53 | 12/05/20 03:05 | 1 |

Eurofins TestAmerica, Seattle

Client Sample Results

Client: Antea USA Inc.
Project/Site: ARCO Facility No. 00980

Job ID: 580-99238-1

Client Sample ID: MW-19.10_20201118

Lab Sample ID: 580-99238-6

Date Collected: 11/18/20 14:30

Matrix: Solid

Date Received: 11/20/20 11:55

Percent Solids: 93.6

Method: 6010D - Metals (ICP)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------|------------|-----------|------|-----|-------|---|----------------|----------------|---------|
| Arsenic | ND | | 2.3 | | mg/Kg | ☼ | 11/28/20 08:11 | 12/01/20 02:36 | 1 |
| Barium | 32 | | 0.39 | | mg/Kg | ☼ | 11/28/20 08:11 | 12/01/20 02:36 | 1 |
| Cadmium | ND | | 0.78 | | mg/Kg | ☼ | 11/28/20 08:11 | 12/01/20 02:36 | 1 |
| Chromium | 16 | | 1.0 | | mg/Kg | ☼ | 11/28/20 08:11 | 12/01/20 02:36 | 1 |
| Lead | 2.2 | | 1.2 | | mg/Kg | ☼ | 11/28/20 08:11 | 12/01/20 02:36 | 1 |
| Selenium | ND | | 3.9 | | mg/Kg | ☼ | 11/28/20 08:11 | 12/01/20 02:36 | 1 |
| Silver | ND | | 2.0 | | mg/Kg | ☼ | 11/28/20 08:11 | 12/01/20 02:36 | 1 |

Client Sample ID: MW-19.5_20201119

Lab Sample ID: 580-99238-7

Date Collected: 11/19/20 10:00

Matrix: Solid

Date Received: 11/20/20 11:55

Percent Solids: 81.6

Method: 8260D - Volatile Organic Compounds by GC/MS

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------------------------|--------------|-----------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene | ND | | 0.0018 | | mg/Kg | ☼ | 11/20/20 14:40 | 12/02/20 03:44 | 1 |
| EDB | ND | | 0.00088 | | mg/Kg | ☼ | 11/20/20 14:40 | 12/02/20 03:44 | 1 |
| EDC | ND | | 0.00088 | | mg/Kg | ☼ | 11/20/20 14:40 | 12/02/20 03:44 | 1 |
| Ethylbenzene | 0.011 | | 0.0018 | | mg/Kg | ☼ | 11/20/20 14:40 | 12/02/20 03:44 | 1 |
| Methyl tert-butyl ether | ND | | 0.0018 | | mg/Kg | ☼ | 11/20/20 14:40 | 12/02/20 03:44 | 1 |
| m-Xylene & p-Xylene | 0.048 | | 0.0088 | | mg/Kg | ☼ | 11/20/20 14:40 | 12/02/20 03:44 | 1 |
| n-Hexane | ND | | 0.018 | | mg/Kg | ☼ | 11/20/20 14:40 | 12/02/20 03:44 | 1 |
| o-Xylene | 0.017 | | 0.0044 | | mg/Kg | ☼ | 11/20/20 14:40 | 12/02/20 03:44 | 1 |
| Toluene | 0.043 | | 0.0088 | | mg/Kg | ☼ | 11/20/20 14:40 | 12/02/20 03:44 | 1 |
| Xylenes, Total | 0.065 | | 0.0088 | | mg/Kg | ☼ | 11/20/20 14:40 | 12/02/20 03:44 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 60 | X | 80 - 121 | 11/20/20 14:40 | 12/02/20 03:44 | 1 |
| 4-Bromofluorobenzene (Surr) | 79 | X | 80 - 120 | 11/20/20 14:40 | 12/02/20 03:44 | 1 |
| Dibromofluoromethane (Surr) | 107 | | 80 - 120 | 11/20/20 14:40 | 12/02/20 03:44 | 1 |
| Toluene-d8 (Surr) | 103 | | 80 - 120 | 11/20/20 14:40 | 12/02/20 03:44 | 1 |

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|-----|-----|-------|---|----------------|----------------|---------|
| Gasoline | ND | | 7.0 | | mg/Kg | ☼ | 12/02/20 12:40 | 12/03/20 19:03 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 87 | | 50 - 150 | 12/02/20 12:40 | 12/03/20 19:03 | 1 |

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------|--------|-----------|----|-----|-------|---|----------------|----------------|---------|
| #2 Diesel (C10-C24) | ND | | 57 | | mg/Kg | ☼ | 12/03/20 11:47 | 12/05/20 03:21 | 1 |
| Motor Oil (>C24-C36) | ND | | 57 | | mg/Kg | ☼ | 12/03/20 11:47 | 12/05/20 03:21 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-------------|-----------|-----------|----------|----------------|----------------|---------|
| o-Terphenyl | 79 | | 50 - 150 | 12/03/20 11:47 | 12/05/20 03:21 | 1 |

Method: 6010D - Metals (ICP)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------|-----------|-----------|------|-----|-------|---|----------------|----------------|---------|
| Arsenic | ND | | 2.3 | | mg/Kg | ☼ | 11/28/20 08:11 | 12/01/20 02:39 | 1 |
| Barium | 28 | | 0.39 | | mg/Kg | ☼ | 11/28/20 08:11 | 12/01/20 02:39 | 1 |
| Cadmium | ND | | 0.77 | | mg/Kg | ☼ | 11/28/20 08:11 | 12/01/20 02:39 | 1 |

Eurofins TestAmerica, Seattle

Client Sample Results

Client: Antea USA Inc.
Project/Site: ARCO Facility No. 00980

Job ID: 580-99238-1

Client Sample ID: MW-19.5_20201119

Lab Sample ID: 580-99238-7

Date Collected: 11/19/20 10:00

Matrix: Solid

Date Received: 11/20/20 11:55

Percent Solids: 81.6

Method: 6010D - Metals (ICP) (Continued)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|-----|-----|-------|---|----------------|----------------|---------|
| Chromium | 18 | | 1.0 | | mg/Kg | ☼ | 11/28/20 08:11 | 12/01/20 02:39 | 1 |
| Lead | 3.1 | | 1.2 | | mg/Kg | ☼ | 11/28/20 08:11 | 12/01/20 02:39 | 1 |
| Selenium | ND | | 3.9 | | mg/Kg | ☼ | 11/28/20 08:11 | 12/01/20 02:39 | 1 |
| Silver | ND | | 1.9 | | mg/Kg | ☼ | 11/28/20 08:11 | 12/01/20 02:39 | 1 |

Client Sample ID: MW-18.12_20201119

Lab Sample ID: 580-99238-8

Date Collected: 11/19/20 10:10

Matrix: Solid

Date Received: 11/20/20 11:55

Percent Solids: 88.4

Method: 8260D - Volatile Organic Compounds by GC/MS

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------|--------|-----------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene | ND | | 0.0017 | | mg/Kg | ☼ | 11/20/20 14:40 | 12/02/20 04:10 | 1 |
| EDB | ND | | 0.00083 | | mg/Kg | ☼ | 11/20/20 14:40 | 12/02/20 04:10 | 1 |
| EDC | ND | | 0.00083 | | mg/Kg | ☼ | 11/20/20 14:40 | 12/02/20 04:10 | 1 |
| Ethylbenzene | 0.0030 | | 0.0017 | | mg/Kg | ☼ | 11/20/20 14:40 | 12/02/20 04:10 | 1 |
| Methyl tert-butyl ether | ND | | 0.0017 | | mg/Kg | ☼ | 11/20/20 14:40 | 12/02/20 04:10 | 1 |
| m-Xylene & p-Xylene | 0.012 | | 0.0083 | | mg/Kg | ☼ | 11/20/20 14:40 | 12/02/20 04:10 | 1 |
| n-Hexane | ND | | 0.017 | | mg/Kg | ☼ | 11/20/20 14:40 | 12/02/20 04:10 | 1 |
| o-Xylene | 0.0045 | | 0.0042 | | mg/Kg | ☼ | 11/20/20 14:40 | 12/02/20 04:10 | 1 |
| Toluene | 0.013 | | 0.0083 | | mg/Kg | ☼ | 11/20/20 14:40 | 12/02/20 04:10 | 1 |
| Xylenes, Total | 0.017 | | 0.0083 | | mg/Kg | ☼ | 11/20/20 14:40 | 12/02/20 04:10 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 149 | X | 80 - 121 | 11/20/20 14:40 | 12/02/20 04:10 | 1 |
| 4-Bromofluorobenzene (Surr) | 98 | | 80 - 120 | 11/20/20 14:40 | 12/02/20 04:10 | 1 |
| Dibromofluoromethane (Surr) | 110 | | 80 - 120 | 11/20/20 14:40 | 12/02/20 04:10 | 1 |
| Toluene-d8 (Surr) | 82 | | 80 - 120 | 11/20/20 14:40 | 12/02/20 04:10 | 1 |

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|-----|-----|-------|---|----------------|----------------|---------|
| Gasoline | ND | | 6.3 | | mg/Kg | ☼ | 12/02/20 12:40 | 12/03/20 01:41 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 90 | | 50 - 150 | 12/02/20 12:40 | 12/03/20 01:41 | 1 |

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------|--------|-----------|----|-----|-------|---|----------------|----------------|---------|
| #2 Diesel (C10-C24) | ND | | 54 | | mg/Kg | ☼ | 12/03/20 11:47 | 12/05/20 03:40 | 1 |
| Motor Oil (>C24-C36) | ND | | 54 | | mg/Kg | ☼ | 12/03/20 11:47 | 12/05/20 03:40 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-------------|-----------|-----------|----------|----------------|----------------|---------|
| o-Terphenyl | 68 | | 50 - 150 | 12/03/20 11:47 | 12/05/20 03:40 | 1 |

Method: 6010D - Metals (ICP)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------------|----------------|---------|
| Arsenic | ND | | 2.2 | | mg/Kg | ☼ | 11/28/20 08:11 | 12/01/20 02:42 | 1 |
| Barium | 26 | | 0.36 | | mg/Kg | ☼ | 11/28/20 08:11 | 12/01/20 02:42 | 1 |
| Cadmium | ND | | 0.72 | | mg/Kg | ☼ | 11/28/20 08:11 | 12/01/20 02:42 | 1 |
| Chromium | 16 | | 0.93 | | mg/Kg | ☼ | 11/28/20 08:11 | 12/01/20 02:42 | 1 |
| Lead | 1.9 | | 1.1 | | mg/Kg | ☼ | 11/28/20 08:11 | 12/01/20 02:42 | 1 |
| Selenium | ND | | 3.6 | | mg/Kg | ☼ | 11/28/20 08:11 | 12/01/20 02:42 | 1 |

Eurofins TestAmerica, Seattle

Client Sample Results

Client: Antea USA Inc.
Project/Site: ARCO Facility No. 00980

Job ID: 580-99238-1

Client Sample ID: MW-18.12_20201119

Lab Sample ID: 580-99238-8

Date Collected: 11/19/20 10:10

Matrix: Solid

Date Received: 11/20/20 11:55

Percent Solids: 88.4

Method: 6010D - Metals (ICP) (Continued)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|-----|-----|-------|---|----------------|----------------|---------|
| Silver | ND | | 1.8 | | mg/Kg | ☼ | 11/28/20 08:11 | 12/01/20 02:42 | 1 |

Client Sample ID: MW-18.16_20201119

Lab Sample ID: 580-99238-9

Date Collected: 11/19/20 10:20

Matrix: Solid

Date Received: 11/20/20 11:55

Percent Solids: 86.1

Method: 8260D - Volatile Organic Compounds by GC/MS

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------|--------|-----------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene | ND | | 0.0016 | | mg/Kg | ☼ | 11/20/20 14:40 | 12/02/20 19:12 | 1 |
| EDB | ND | *3 | 0.00080 | | mg/Kg | ☼ | 11/20/20 14:40 | 12/02/20 19:12 | 1 |
| EDC | ND | | 0.00080 | | mg/Kg | ☼ | 11/20/20 14:40 | 12/02/20 19:12 | 1 |
| Ethylbenzene | ND | *3 | 0.0016 | | mg/Kg | ☼ | 11/20/20 14:40 | 12/02/20 19:12 | 1 |
| Methyl tert-butyl ether | ND | * | 0.0016 | | mg/Kg | ☼ | 11/20/20 14:40 | 12/02/20 19:12 | 1 |
| m-Xylene & p-Xylene | ND | *3 | 0.0080 | | mg/Kg | ☼ | 11/20/20 14:40 | 12/02/20 19:12 | 1 |
| n-Hexane | ND | | 0.016 | | mg/Kg | ☼ | 11/20/20 14:40 | 12/02/20 19:12 | 1 |
| o-Xylene | ND | *3 | 0.0040 | | mg/Kg | ☼ | 11/20/20 14:40 | 12/02/20 19:12 | 1 |
| Toluene | ND | *3 | 0.0080 | | mg/Kg | ☼ | 11/20/20 14:40 | 12/02/20 19:12 | 1 |
| Xylenes, Total | ND | | 0.0080 | | mg/Kg | ☼ | 11/20/20 14:40 | 12/02/20 19:12 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 122 | X | 80 - 121 | 11/20/20 14:40 | 12/02/20 19:12 | 1 |
| 4-Bromofluorobenzene (Surr) | 85 | *3 | 80 - 120 | 11/20/20 14:40 | 12/02/20 19:12 | 1 |
| Dibromofluoromethane (Surr) | 116 | | 80 - 120 | 11/20/20 14:40 | 12/02/20 19:12 | 1 |
| Toluene-d8 (Surr) | 89 | *3 | 80 - 120 | 11/20/20 14:40 | 12/02/20 19:12 | 1 |

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|-----|-----|-------|---|----------------|----------------|---------|
| Gasoline | ND | | 5.4 | | mg/Kg | ☼ | 12/02/20 12:40 | 12/03/20 02:05 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 89 | | 50 - 150 | 12/02/20 12:40 | 12/03/20 02:05 | 1 |

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------|--------|-----------|----|-----|-------|---|----------------|----------------|---------|
| #2 Diesel (C10-C24) | ND | | 57 | | mg/Kg | ☼ | 12/03/20 11:47 | 12/05/20 04:00 | 1 |
| Motor Oil (>C24-C36) | ND | | 57 | | mg/Kg | ☼ | 12/03/20 11:47 | 12/05/20 04:00 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-------------|-----------|-----------|----------|----------------|----------------|---------|
| o-Terphenyl | 82 | | 50 - 150 | 12/03/20 11:47 | 12/05/20 04:00 | 1 |

Method: 6010D - Metals (ICP)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------------|----------------|---------|
| Arsenic | ND | | 2.4 | | mg/Kg | ☼ | 11/28/20 08:11 | 12/01/20 02:45 | 1 |
| Barium | 26 | | 0.39 | | mg/Kg | ☼ | 11/28/20 08:11 | 12/01/20 02:45 | 1 |
| Cadmium | ND | | 0.79 | | mg/Kg | ☼ | 11/28/20 08:11 | 12/01/20 02:45 | 1 |
| Chromium | 17 | | 1.0 | | mg/Kg | ☼ | 11/28/20 08:11 | 12/01/20 02:45 | 1 |
| Lead | 2.0 | | 1.2 | | mg/Kg | ☼ | 11/28/20 08:11 | 12/01/20 02:45 | 1 |
| Selenium | ND | | 3.9 | | mg/Kg | ☼ | 11/28/20 08:11 | 12/01/20 02:45 | 1 |
| Silver | ND | | 2.0 | | mg/Kg | ☼ | 11/28/20 08:11 | 12/01/20 02:45 | 1 |

Client Sample Results

Client: Antea USA Inc.
Project/Site: ARCO Facility No. 00980

Job ID: 580-99238-1

Client Sample ID: Trip Blank_20201119

Lab Sample ID: 580-99238-10

Date Collected: 11/19/20 00:00

Matrix: Solid

Date Received: 11/20/20 11:55

Method: 8260D - Volatile Organic Compounds by GC/MS

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------|--------|-----------|--------|-----|-------|---|----------------|----------------|---------|
| Benzene | ND | | 0.0020 | | mg/Kg | | 11/20/20 14:40 | 12/02/20 18:20 | 1 |
| EDB | ND | | 0.0010 | | mg/Kg | | 11/20/20 14:40 | 12/02/20 18:20 | 1 |
| EDC | ND | | 0.0010 | | mg/Kg | | 11/20/20 14:40 | 12/02/20 18:20 | 1 |
| Ethylbenzene | ND | | 0.0020 | | mg/Kg | | 11/20/20 14:40 | 12/02/20 18:20 | 1 |
| Methyl tert-butyl ether | ND | * | 0.0020 | | mg/Kg | | 11/20/20 14:40 | 12/02/20 18:20 | 1 |
| m-Xylene & p-Xylene | ND | | 0.010 | | mg/Kg | | 11/20/20 14:40 | 12/02/20 18:20 | 1 |
| n-Hexane | ND | | 0.020 | | mg/Kg | | 11/20/20 14:40 | 12/02/20 18:20 | 1 |
| o-Xylene | ND | | 0.0050 | | mg/Kg | | 11/20/20 14:40 | 12/02/20 18:20 | 1 |
| Toluene | ND | | 0.010 | | mg/Kg | | 11/20/20 14:40 | 12/02/20 18:20 | 1 |
| Xylenes, Total | ND | | 0.010 | | mg/Kg | | 11/20/20 14:40 | 12/02/20 18:20 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------|-----------|----------|----------------|----------------|---------|
| Toluene-d8 (Surr) | 95 | | 80 - 120 | 11/20/20 14:40 | 12/02/20 18:20 | 1 |
| 1,2-Dichloroethane-d4 (Surr) | 101 | | 80 - 121 | 11/20/20 14:40 | 12/02/20 18:20 | 1 |
| 4-Bromofluorobenzene (Surr) | 96 | | 80 - 120 | 11/20/20 14:40 | 12/02/20 18:20 | 1 |
| Dibromofluoromethane (Surr) | 97 | | 80 - 120 | 11/20/20 14:40 | 12/02/20 18:20 | 1 |

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|-----|-----|-------|---|----------------|----------------|---------|
| Gasoline | ND | | 5.0 | | mg/Kg | | 12/03/20 09:24 | 12/03/20 11:41 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 90 | | 50 - 150 | 12/03/20 09:24 | 12/03/20 11:41 | 1 |

Surrogate Summary

Client: Antea USA Inc.
Project/Site: ARCO Facility No. 00980

Job ID: 580-99238-1

Method: 8260D - Volatile Organic Compounds by GC/MS

Matrix: Solid

Prep Type: Total/NA

| Lab Sample ID | Client Sample ID | Percent Surrogate Recovery (Acceptance Limits) | | | |
|---------------------|------------------------|--|-----------------|------------------|-----------------|
| | | DCA (80-121) | BFB (80-120) | DBFM (80-120) | TOL (80-120) |
| 580-99238-1 | MW-17.5_20201117 | 104 | 100 | 99 | 99 |
| 580-99238-1 - RA | MW-17.5_20201117 | 105 | 98 | 107 | 101 |
| 580-99238-2 | MW-18.5_20201117 | 102 | 96 | 102 | 99 |
| 580-99238-2 - RA | MW-18.5_20201117 | 0 X *3 | 0 X | 0 X *3 | 16 X |
| 580-99238-3 | MW-19.3_20201117 | 98 | 102 | 98 | 98 |
| 580-99238-3 - RA | MW-19.3_20201117 | 120 | 95 | 105 | 92 |
| 580-99238-4 | MW-17.10_20201118 | 106 | 104 | 101 | 95 |
| 580-99238-5 | MW-17.15_20201118 | 100 | 104 | 99 | 100 |
| 580-99238-6 | MW-19.10_20201118 | 101 | 103 | 96 | 94 |
| 580-99238-7 | MW-19.5_20201119 | 60 X | 79 X | 107 | 103 |
| 580-99238-8 | MW-18.12_20201119 | 149 X | 98 | 110 | 82 |
| 580-99238-9 | MW-18.16_20201119 | 122 X | 85 *3 | 116 | 89 *3 |
| 580-99238-10 | Trip Blank_20201119 | 101 | 96 | 97 | 95 |
| LCS 580-344221/2-A | Lab Control Sample | 100 | 109 | 104 | 102 |
| LCS 580-344412/2-A | Lab Control Sample | 108 | 103 | 106 | 94 |
| LCS 580-344507/2-A | Lab Control Sample | 102 | 102 | 106 | 97 |
| LCS 580-344617/2-A | Lab Control Sample | 104 | 103 | 103 | 98 |
| LCS 580-344707/2-A | Lab Control Sample | 98 | 101 | 101 | 94 |
| LCSD 580-344221/3-A | Lab Control Sample Dup | 101 | 111 | 103 | 99 |
| LCSD 580-344412/3-A | Lab Control Sample Dup | 103 | 105 | 104 | 98 |
| LCSD 580-344507/3-A | Lab Control Sample Dup | 99 | 100 | 97 | 94 |
| LCSD 580-344617/3-A | Lab Control Sample Dup | 108 | 101 | 104 | 92 |
| LCSD 580-344707/3-A | Lab Control Sample Dup | 110 | 100 | 104 | 93 |
| MB 580-344221/1-A | Method Blank | 105 | 100 | 104 | 97 |
| MB 580-344412/1-A | Method Blank | 103 | 101 | 102 | 94 |
| MB 580-344507/1-A | Method Blank | 104 | 100 | 103 | 95 |
| MB 580-344617/1-A | Method Blank | 106 | 104 | 98 | 98 |
| MB 580-344707/1-A | Method Blank | 109 | 97 | 108 | 90 |

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC)

Matrix: Solid

Prep Type: Total/NA

| Lab Sample ID | Client Sample ID | Percent Surrogate Recovery (Acceptance Limits) |
|------------------|-------------------|--|
| | | BFB2 (50-150) |
| 580-99238-1 | MW-17.5_20201117 | 86 |
| 580-99238-2 | MW-18.5_20201117 | 83 |
| 580-99238-3 | MW-19.3_20201117 | 87 |
| 580-99238-4 | MW-17.10_20201118 | 91 |
| 580-99238-4 - RA | MW-17.10_20201118 | 87 |
| 580-99238-5 | MW-17.15_20201118 | 87 |
| 580-99238-6 | MW-19.10_20201118 | 92 |
| 580-99238-7 | MW-19.5_20201119 | 87 |
| 580-99238-8 | MW-18.12_20201119 | 90 |

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Surrogate Summary

Client: Antea USA Inc.
Project/Site: ARCO Facility No. 00980

Job ID: 580-99238-1

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC) (Continued)

Matrix: Solid

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

| Lab Sample ID | Client Sample ID | BFB2 (50-150) |
|---------------------|------------------------|------------------|
| 580-99238-9 | MW-18.16_20201119 | 89 |
| 580-99238-10 | Trip Blank_20201119 | 90 |
| LCS 580-344085/2-A | Lab Control Sample | 94 |
| LCS 580-344456/2-A | Lab Control Sample | 94 |
| LCS 580-344580/1-A | Lab Control Sample | 93 |
| LCS 580-344686/2-A | Lab Control Sample | 92 |
| LCSD 580-344085/3-A | Lab Control Sample Dup | 97 |
| LCSD 580-344456/3-A | Lab Control Sample Dup | 94 |
| LCSD 580-344580/2-A | Lab Control Sample Dup | 96 |
| LCSD 580-344686/3-A | Lab Control Sample Dup | 93 |
| MB 580-344085/1-A | Method Blank | 88 |
| MB 580-344456/1-A | Method Blank | 84 |
| MB 580-344580/3-A | Method Blank | 94 |
| MB 580-344686/1-A | Method Blank | 86 |

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Matrix: Solid

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

| Lab Sample ID | Client Sample ID | OTPH (50-150) |
|---------------------|------------------------|------------------|
| 580-99238-1 | MW-17.5_20201117 | 90 |
| 580-99238-1 DU | MW-17.5_20201117 | 90 |
| 580-99238-2 | MW-18.5_20201117 | 84 |
| 580-99238-3 | MW-19.3_20201117 | 88 |
| 580-99238-4 | MW-17.10_20201118 | 109 |
| 580-99238-5 | MW-17.15_20201118 | 105 |
| 580-99238-6 | MW-19.10_20201118 | 106 |
| 580-99238-7 | MW-19.5_20201119 | 79 |
| 580-99238-8 | MW-18.12_20201119 | 68 |
| 580-99238-9 | MW-18.16_20201119 | 82 |
| LCS 580-344508/2-A | Lab Control Sample | 105 |
| LCS 580-344659/2-A | Lab Control Sample | 93 |
| LCS 580-344700/2-A | Lab Control Sample | 100 |
| LCSD 580-344508/3-A | Lab Control Sample Dup | 104 |
| LCSD 580-344659/3-A | Lab Control Sample Dup | 93 |
| LCSD 580-344700/3-A | Lab Control Sample Dup | 102 |
| MB 580-344508/1-A | Method Blank | 91 |
| MB 580-344659/1-A | Method Blank | 106 |
| MB 580-344700/1-A | Method Blank | 86 |

Surrogate Legend

OTPH = o-Terphenyl

QC Sample Results

Client: Antea USA Inc.
Project/Site: ARCO Facility No. 00980

Job ID: 580-99238-1

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 580-344221/1-A
Matrix: Solid
Analysis Batch: 344378

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 344221

| Analyte | MB | MB | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------|--------|-----------|--------|-----|-------|---|----------------|----------------|---------|
| | Result | Qualifier | | | | | | | |
| Benzene | ND | | 0.0020 | | mg/Kg | | 11/27/20 15:05 | 11/27/20 19:49 | 1 |
| EDB | ND | | 0.0010 | | mg/Kg | | 11/27/20 15:05 | 11/27/20 19:49 | 1 |
| EDC | ND | | 0.0010 | | mg/Kg | | 11/27/20 15:05 | 11/27/20 19:49 | 1 |
| Ethylbenzene | ND | | 0.0020 | | mg/Kg | | 11/27/20 15:05 | 11/27/20 19:49 | 1 |
| Methyl tert-butyl ether | ND | | 0.0020 | | mg/Kg | | 11/27/20 15:05 | 11/27/20 19:49 | 1 |
| m-Xylene & p-Xylene | ND | | 0.010 | | mg/Kg | | 11/27/20 15:05 | 11/27/20 19:49 | 1 |
| n-Hexane | ND | | 0.020 | | mg/Kg | | 11/27/20 15:05 | 11/27/20 19:49 | 1 |
| o-Xylene | ND | | 0.0050 | | mg/Kg | | 11/27/20 15:05 | 11/27/20 19:49 | 1 |
| Toluene | ND | | 0.010 | | mg/Kg | | 11/27/20 15:05 | 11/27/20 19:49 | 1 |
| Xylenes, Total | ND | | 0.010 | | mg/Kg | | 11/27/20 15:05 | 11/27/20 19:49 | 1 |

| Surrogate | MB | MB | Limits | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------|-----------|----------|----------------|----------------|---------|
| | %Recovery | Qualifier | | | | |
| 1,2-Dichloroethane-d4 (Surr) | 105 | | 80 - 121 | 11/27/20 15:05 | 11/27/20 19:49 | 1 |
| 4-Bromofluorobenzene (Surr) | 100 | | 80 - 120 | 11/27/20 15:05 | 11/27/20 19:49 | 1 |
| Dibromofluoromethane (Surr) | 104 | | 80 - 120 | 11/27/20 15:05 | 11/27/20 19:49 | 1 |
| Toluene-d8 (Surr) | 97 | | 80 - 120 | 11/27/20 15:05 | 11/27/20 19:49 | 1 |

Lab Sample ID: LCS 580-344221/2-A
Matrix: Solid
Analysis Batch: 344378

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 344221

| Analyte | Spike Added | LCS | LCS | Unit | D | %Rec | %Rec. | Limits |
|-------------------------|-------------|--------|-----------|-------|---|------|----------|--------|
| | | Result | Qualifier | | | | | |
| Benzene | 0.0200 | 0.0194 | | mg/Kg | | 97 | 79 - 135 | |
| EDB | 0.0200 | 0.0191 | | mg/Kg | | 95 | 77 - 123 | |
| EDC | 0.0200 | 0.0185 | | mg/Kg | | 92 | 76 - 132 | |
| Ethylbenzene | 0.0200 | 0.0187 | | mg/Kg | | 94 | 80 - 135 | |
| Methyl tert-butyl ether | 0.0200 | 0.0194 | | mg/Kg | | 97 | 77 - 132 | |
| m-Xylene & p-Xylene | 0.0200 | 0.0160 | | mg/Kg | | 80 | 80 - 132 | |
| n-Hexane | 0.0200 | 0.0175 | J | mg/Kg | | 88 | 41 - 150 | |
| o-Xylene | 0.0200 | 0.0178 | | mg/Kg | | 89 | 80 - 132 | |
| Toluene | 0.0200 | 0.0182 | | mg/Kg | | 91 | 75 - 137 | |
| Xylenes, Total | 0.0400 | 0.0338 | | mg/Kg | | 85 | 80 - 136 | |

| Surrogate | LCS | LCS | Limits |
|------------------------------|-----------|-----------|----------|
| | %Recovery | Qualifier | |
| 1,2-Dichloroethane-d4 (Surr) | 100 | | 80 - 121 |
| 4-Bromofluorobenzene (Surr) | 109 | | 80 - 120 |
| Dibromofluoromethane (Surr) | 104 | | 80 - 120 |
| Toluene-d8 (Surr) | 102 | | 80 - 120 |

Lab Sample ID: LCSD 580-344221/3-A
Matrix: Solid
Analysis Batch: 344378

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 344221

| Analyte | Spike Added | LCSD | LCSD | Unit | D | %Rec | %Rec. | RPD | Limit |
|--------------|-------------|--------|-----------|-------|---|------|----------|-----|-------|
| | | Result | Qualifier | | | | | | |
| Benzene | 0.0200 | 0.0196 | | mg/Kg | | 98 | 79 - 135 | 1 | 31 |
| EDB | 0.0200 | 0.0186 | | mg/Kg | | 93 | 77 - 123 | 3 | 37 |
| EDC | 0.0200 | 0.0186 | | mg/Kg | | 93 | 76 - 132 | 1 | 29 |
| Ethylbenzene | 0.0200 | 0.0179 | | mg/Kg | | 90 | 80 - 135 | 4 | 37 |

Eurofins TestAmerica, Seattle

QC Sample Results

Client: Antea USA Inc.
Project/Site: ARCO Facility No. 00980

Job ID: 580-99238-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 580-344221/3-A
Matrix: Solid
Analysis Batch: 344378

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 344221

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|-------------------------|-------------|-------------|----------------|-------|---|------|--------------|-----|-----------|
| Methyl tert-butyl ether | 0.0200 | 0.0201 | | mg/Kg | | 101 | 77 - 132 | 4 | 25 |
| m-Xylene & p-Xylene | 0.0200 | 0.0151 | * | mg/Kg | | 75 | 80 - 132 | 6 | 38 |
| n-Hexane | 0.0200 | 0.0179 | J | mg/Kg | | 90 | 41 - 150 | 2 | 36 |
| o-Xylene | 0.0200 | 0.0169 | | mg/Kg | | 85 | 80 - 132 | 5 | 39 |
| Toluene | 0.0200 | 0.0173 | | mg/Kg | | 86 | 75 - 137 | 5 | 34 |
| Xylenes, Total | 0.0400 | 0.0320 | | mg/Kg | | 80 | 80 - 136 | 5 | 19 |

| Surrogate | LCSD %Recovery | LCSD Qualifier | LCSD Limits |
|------------------------------|----------------|----------------|-------------|
| 1,2-Dichloroethane-d4 (Surr) | 101 | | 80 - 121 |
| 4-Bromofluorobenzene (Surr) | 111 | | 80 - 120 |
| Dibromofluoromethane (Surr) | 103 | | 80 - 120 |
| Toluene-d8 (Surr) | 99 | | 80 - 120 |

Lab Sample ID: MB 580-344412/1-A
Matrix: Solid
Analysis Batch: 344564

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 344412

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------|-----------|--------------|--------|-----|-------|---|----------------|----------------|---------|
| Benzene | ND | | 0.0020 | | mg/Kg | | 11/30/20 16:50 | 11/30/20 20:45 | 1 |
| EDB | ND | | 0.0010 | | mg/Kg | | 11/30/20 16:50 | 11/30/20 20:45 | 1 |
| EDC | ND | | 0.0010 | | mg/Kg | | 11/30/20 16:50 | 11/30/20 20:45 | 1 |
| Ethylbenzene | ND | | 0.0020 | | mg/Kg | | 11/30/20 16:50 | 11/30/20 20:45 | 1 |
| Methyl tert-butyl ether | ND | | 0.0020 | | mg/Kg | | 11/30/20 16:50 | 11/30/20 20:45 | 1 |
| m-Xylene & p-Xylene | ND | | 0.010 | | mg/Kg | | 11/30/20 16:50 | 11/30/20 20:45 | 1 |
| n-Hexane | ND | | 0.020 | | mg/Kg | | 11/30/20 16:50 | 11/30/20 20:45 | 1 |
| o-Xylene | ND | | 0.0050 | | mg/Kg | | 11/30/20 16:50 | 11/30/20 20:45 | 1 |
| Toluene | ND | | 0.010 | | mg/Kg | | 11/30/20 16:50 | 11/30/20 20:45 | 1 |
| Xylenes, Total | ND | | 0.010 | | mg/Kg | | 11/30/20 16:50 | 11/30/20 20:45 | 1 |

| Surrogate | MB %Recovery | MB Qualifier | MB Limits | Prepared | Analyzed | Dil Fac |
|------------------------------|--------------|--------------|-----------|----------------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 103 | | 80 - 121 | 11/30/20 16:50 | 11/30/20 20:45 | 1 |
| 4-Bromofluorobenzene (Surr) | 101 | | 80 - 120 | 11/30/20 16:50 | 11/30/20 20:45 | 1 |
| Dibromofluoromethane (Surr) | 102 | | 80 - 120 | 11/30/20 16:50 | 11/30/20 20:45 | 1 |
| Toluene-d8 (Surr) | 94 | | 80 - 120 | 11/30/20 16:50 | 11/30/20 20:45 | 1 |

Lab Sample ID: LCS 580-344412/2-A
Matrix: Solid
Analysis Batch: 344564

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 344412

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|-------------------------|-------------|------------|---------------|-------|---|------|--------------|
| Benzene | 0.0200 | 0.0200 | | mg/Kg | | 100 | 79 - 135 |
| EDB | 0.0200 | 0.0186 | | mg/Kg | | 93 | 77 - 123 |
| EDC | 0.0200 | 0.0194 | | mg/Kg | | 97 | 76 - 132 |
| Ethylbenzene | 0.0200 | 0.0184 | | mg/Kg | | 92 | 80 - 135 |
| Methyl tert-butyl ether | 0.0200 | 0.0212 | | mg/Kg | | 106 | 77 - 132 |
| m-Xylene & p-Xylene | 0.0200 | 0.0164 | | mg/Kg | | 82 | 80 - 132 |
| n-Hexane | 0.0200 | 0.0182 | J | mg/Kg | | 91 | 41 - 150 |
| o-Xylene | 0.0200 | 0.0182 | | mg/Kg | | 91 | 80 - 132 |

Eurofins TestAmerica, Seattle

QC Sample Results

Client: Antea USA Inc.
Project/Site: ARCO Facility No. 00980

Job ID: 580-99238-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 580-344412/2-A
Matrix: Solid
Analysis Batch: 344564

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 344412

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|----------------|-------------|------------|---------------|-------|---|------|--------------|
| Toluene | 0.0200 | 0.0173 | | mg/Kg | | 87 | 75 - 137 |
| Xylenes, Total | 0.0400 | 0.0346 | | mg/Kg | | 87 | 80 - 136 |

| Surrogate | LCS %Recovery | LCS Qualifier | Limits |
|------------------------------|---------------|---------------|----------|
| 1,2-Dichloroethane-d4 (Surr) | 108 | | 80 - 121 |
| 4-Bromofluorobenzene (Surr) | 103 | | 80 - 120 |
| Dibromofluoromethane (Surr) | 106 | | 80 - 120 |
| Toluene-d8 (Surr) | 94 | | 80 - 120 |

Lab Sample ID: LCSD 580-344412/3-A
Matrix: Solid
Analysis Batch: 344564

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 344412

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | Limit |
|-------------------------|-------------|-------------|----------------|-------|---|------|--------------|-----|-------|
| Benzene | 0.0200 | 0.0201 | | mg/Kg | | 101 | 79 - 135 | 1 | 31 |
| EDB | 0.0200 | 0.0192 | | mg/Kg | | 96 | 77 - 123 | 3 | 37 |
| EDC | 0.0200 | 0.0201 | | mg/Kg | | 100 | 76 - 132 | 3 | 29 |
| Ethylbenzene | 0.0200 | 0.0200 | | mg/Kg | | 100 | 80 - 135 | 8 | 37 |
| Methyl tert-butyl ether | 0.0200 | 0.0215 | | mg/Kg | | 107 | 77 - 132 | 1 | 25 |
| m-Xylene & p-Xylene | 0.0200 | 0.0170 | | mg/Kg | | 85 | 80 - 132 | 4 | 38 |
| n-Hexane | 0.0200 | 0.0189 | J | mg/Kg | | 94 | 41 - 150 | 4 | 36 |
| o-Xylene | 0.0200 | 0.0191 | | mg/Kg | | 96 | 80 - 132 | 5 | 39 |
| Toluene | 0.0200 | 0.0184 | | mg/Kg | | 92 | 75 - 137 | 6 | 34 |
| Xylenes, Total | 0.0400 | 0.0361 | | mg/Kg | | 90 | 80 - 136 | 4 | 19 |

| Surrogate | LCSD %Recovery | LCSD Qualifier | Limits |
|------------------------------|----------------|----------------|----------|
| 1,2-Dichloroethane-d4 (Surr) | 103 | | 80 - 121 |
| 4-Bromofluorobenzene (Surr) | 105 | | 80 - 120 |
| Dibromofluoromethane (Surr) | 104 | | 80 - 120 |
| Toluene-d8 (Surr) | 98 | | 80 - 120 |

Lab Sample ID: MB 580-344507/1-A
Matrix: Solid
Analysis Batch: 344567

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 344507

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------|-----------|--------------|--------|-----|-------|---|----------------|----------------|---------|
| Benzene | ND | | 0.0020 | | mg/Kg | | 12/01/20 17:11 | 12/01/20 20:01 | 1 |
| EDB | ND | | 0.0010 | | mg/Kg | | 12/01/20 17:11 | 12/01/20 20:01 | 1 |
| EDC | ND | | 0.0010 | | mg/Kg | | 12/01/20 17:11 | 12/01/20 20:01 | 1 |
| Ethylbenzene | ND | | 0.0020 | | mg/Kg | | 12/01/20 17:11 | 12/01/20 20:01 | 1 |
| Methyl tert-butyl ether | ND | | 0.0020 | | mg/Kg | | 12/01/20 17:11 | 12/01/20 20:01 | 1 |
| m-Xylene & p-Xylene | ND | | 0.010 | | mg/Kg | | 12/01/20 17:11 | 12/01/20 20:01 | 1 |
| n-Hexane | ND | | 0.020 | | mg/Kg | | 12/01/20 17:11 | 12/01/20 20:01 | 1 |
| o-Xylene | ND | | 0.0050 | | mg/Kg | | 12/01/20 17:11 | 12/01/20 20:01 | 1 |
| Toluene | ND | | 0.010 | | mg/Kg | | 12/01/20 17:11 | 12/01/20 20:01 | 1 |
| Xylenes, Total | ND | | 0.010 | | mg/Kg | | 12/01/20 17:11 | 12/01/20 20:01 | 1 |

QC Sample Results

Client: Antea USA Inc.
Project/Site: ARCO Facility No. 00980

Job ID: 580-99238-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 580-344507/1-A
Matrix: Solid
Analysis Batch: 344567

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 344507

| Surrogate | MB MB | | Limits | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------|-----------|----------|----------------|----------------|---------|
| | %Recovery | Qualifier | | | | |
| 1,2-Dichloroethane-d4 (Surr) | 104 | | 80 - 121 | 12/01/20 17:11 | 12/01/20 20:01 | 1 |
| 4-Bromofluorobenzene (Surr) | 100 | | 80 - 120 | 12/01/20 17:11 | 12/01/20 20:01 | 1 |
| Dibromofluoromethane (Surr) | 103 | | 80 - 120 | 12/01/20 17:11 | 12/01/20 20:01 | 1 |
| Toluene-d8 (Surr) | 95 | | 80 - 120 | 12/01/20 17:11 | 12/01/20 20:01 | 1 |

Lab Sample ID: LCS 580-344507/2-A
Matrix: Solid
Analysis Batch: 344567

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 344507

| Analyte | Spike Added | LCS LCS | | Unit | D | %Rec | Limits |
|-------------------------|-------------|---------|-----------|-------|---|------|----------|
| | | Result | Qualifier | | | | |
| Benzene | 0.0200 | 0.0198 | | mg/Kg | | 99 | 79 - 135 |
| EDB | 0.0200 | 0.0189 | | mg/Kg | | 95 | 77 - 123 |
| EDC | 0.0200 | 0.0189 | | mg/Kg | | 95 | 76 - 132 |
| Ethylbenzene | 0.0200 | 0.0203 | | mg/Kg | | 101 | 80 - 135 |
| Methyl tert-butyl ether | 0.0200 | 0.0218 | | mg/Kg | | 109 | 77 - 132 |
| m-Xylene & p-Xylene | 0.0200 | 0.0189 | | mg/Kg | | 95 | 80 - 132 |
| n-Hexane | 0.0200 | 0.0184 | J | mg/Kg | | 92 | 41 - 150 |
| o-Xylene | 0.0200 | 0.0194 | | mg/Kg | | 97 | 80 - 132 |
| Toluene | 0.0200 | 0.0198 | | mg/Kg | | 99 | 75 - 137 |
| Xylenes, Total | 0.0400 | 0.0383 | | mg/Kg | | 96 | 80 - 136 |

| Surrogate | LCS LCS | | Limits |
|------------------------------|-----------|-----------|----------|
| | %Recovery | Qualifier | |
| 1,2-Dichloroethane-d4 (Surr) | 102 | | 80 - 121 |
| 4-Bromofluorobenzene (Surr) | 102 | | 80 - 120 |
| Dibromofluoromethane (Surr) | 106 | | 80 - 120 |
| Toluene-d8 (Surr) | 97 | | 80 - 120 |

Lab Sample ID: LCSD 580-344507/3-A
Matrix: Solid
Analysis Batch: 344567

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 344507

| Analyte | Spike Added | LCSD LCSD | | Unit | D | %Rec | Limits | RPD | Limit |
|-------------------------|-------------|-----------|-----------|-------|---|------|----------|-----|-------|
| | | Result | Qualifier | | | | | | |
| Benzene | 0.0200 | 0.0185 | | mg/Kg | | 92 | 79 - 135 | 7 | 31 |
| EDB | 0.0200 | 0.0173 | | mg/Kg | | 86 | 77 - 123 | 9 | 37 |
| EDC | 0.0200 | 0.0178 | | mg/Kg | | 89 | 76 - 132 | 6 | 29 |
| Ethylbenzene | 0.0200 | 0.0181 | | mg/Kg | | 90 | 80 - 135 | 11 | 37 |
| Methyl tert-butyl ether | 0.0200 | 0.0190 | | mg/Kg | | 95 | 77 - 132 | 14 | 25 |
| m-Xylene & p-Xylene | 0.0200 | 0.0170 | | mg/Kg | | 85 | 80 - 132 | 11 | 38 |
| n-Hexane | 0.0200 | 0.0170 | J | mg/Kg | | 85 | 41 - 150 | 8 | 36 |
| o-Xylene | 0.0200 | 0.0176 | | mg/Kg | | 88 | 80 - 132 | 10 | 39 |
| Toluene | 0.0200 | 0.0184 | | mg/Kg | | 92 | 75 - 137 | 8 | 34 |
| Xylenes, Total | 0.0400 | 0.0346 | | mg/Kg | | 87 | 80 - 136 | 10 | 19 |

| Surrogate | LCSD LCSD | | Limits |
|------------------------------|-----------|-----------|----------|
| | %Recovery | Qualifier | |
| 1,2-Dichloroethane-d4 (Surr) | 99 | | 80 - 121 |
| 4-Bromofluorobenzene (Surr) | 100 | | 80 - 120 |
| Dibromofluoromethane (Surr) | 97 | | 80 - 120 |
| Toluene-d8 (Surr) | 94 | | 80 - 120 |

Eurofins TestAmerica, Seattle

QC Sample Results

Client: Antea USA Inc.
Project/Site: ARCO Facility No. 00980

Job ID: 580-99238-1

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 580-344617/1-A
Matrix: Solid
Analysis Batch: 344651

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 344617

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------|-----------|--------------|--------|-----|-------|---|----------------|----------------|---------|
| Benzene | ND | | 0.0020 | | mg/Kg | | 12/02/20 15:13 | 12/02/20 17:02 | 1 |
| EDB | ND | | 0.0010 | | mg/Kg | | 12/02/20 15:13 | 12/02/20 17:02 | 1 |
| EDC | ND | | 0.0010 | | mg/Kg | | 12/02/20 15:13 | 12/02/20 17:02 | 1 |
| Ethylbenzene | ND | | 0.0020 | | mg/Kg | | 12/02/20 15:13 | 12/02/20 17:02 | 1 |
| Methyl tert-butyl ether | ND | | 0.0020 | | mg/Kg | | 12/02/20 15:13 | 12/02/20 17:02 | 1 |
| m-Xylene & p-Xylene | ND | | 0.010 | | mg/Kg | | 12/02/20 15:13 | 12/02/20 17:02 | 1 |
| n-Hexane | ND | | 0.020 | | mg/Kg | | 12/02/20 15:13 | 12/02/20 17:02 | 1 |
| o-Xylene | ND | | 0.0050 | | mg/Kg | | 12/02/20 15:13 | 12/02/20 17:02 | 1 |
| Toluene | ND | | 0.010 | | mg/Kg | | 12/02/20 15:13 | 12/02/20 17:02 | 1 |
| Xylenes, Total | ND | | 0.010 | | mg/Kg | | 12/02/20 15:13 | 12/02/20 17:02 | 1 |

| Surrogate | MB %Recovery | MB Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------------------|--------------|--------------|----------|----------------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 106 | | 80 - 121 | 12/02/20 15:13 | 12/02/20 17:02 | 1 |
| 4-Bromofluorobenzene (Surr) | 104 | | 80 - 120 | 12/02/20 15:13 | 12/02/20 17:02 | 1 |
| Dibromofluoromethane (Surr) | 98 | | 80 - 120 | 12/02/20 15:13 | 12/02/20 17:02 | 1 |
| Toluene-d8 (Surr) | 98 | | 80 - 120 | 12/02/20 15:13 | 12/02/20 17:02 | 1 |

Lab Sample ID: LCS 580-344617/2-A
Matrix: Solid
Analysis Batch: 344651

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 344617

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | Limits |
|-------------------------|-------------|------------|---------------|-------|---|------|----------|
| Benzene | 0.0200 | 0.0228 | | mg/Kg | | 114 | 79 - 135 |
| EDB | 0.0200 | 0.0221 | | mg/Kg | | 110 | 77 - 123 |
| EDC | 0.0200 | 0.0236 | | mg/Kg | | 118 | 76 - 132 |
| Ethylbenzene | 0.0200 | 0.0226 | | mg/Kg | | 113 | 80 - 135 |
| Methyl tert-butyl ether | 0.0200 | 0.0254 | | mg/Kg | | 127 | 77 - 132 |
| m-Xylene & p-Xylene | 0.0200 | 0.0206 | | mg/Kg | | 103 | 80 - 132 |
| n-Hexane | 0.0200 | 0.0180 | J | mg/Kg | | 90 | 41 - 150 |
| o-Xylene | 0.0200 | 0.0222 | | mg/Kg | | 111 | 80 - 132 |
| Toluene | 0.0200 | 0.0214 | | mg/Kg | | 107 | 75 - 137 |
| Xylenes, Total | 0.0400 | 0.0428 | | mg/Kg | | 107 | 80 - 136 |

| Surrogate | LCS %Recovery | LCS Qualifier | Limits |
|------------------------------|---------------|---------------|----------|
| 1,2-Dichloroethane-d4 (Surr) | 104 | | 80 - 121 |
| 4-Bromofluorobenzene (Surr) | 103 | | 80 - 120 |
| Dibromofluoromethane (Surr) | 103 | | 80 - 120 |
| Toluene-d8 (Surr) | 98 | | 80 - 120 |

Lab Sample ID: LCSD 580-344617/3-A
Matrix: Solid
Analysis Batch: 344651

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 344617

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | Limits | RPD | Limit |
|--------------|-------------|-------------|----------------|-------|---|------|----------|-----|-------|
| Benzene | 0.0200 | 0.0250 | | mg/Kg | | 125 | 79 - 135 | 9 | 31 |
| EDB | 0.0200 | 0.0228 | | mg/Kg | | 114 | 77 - 123 | 3 | 37 |
| EDC | 0.0200 | 0.0255 | | mg/Kg | | 127 | 76 - 132 | 8 | 29 |
| Ethylbenzene | 0.0200 | 0.0234 | | mg/Kg | | 117 | 80 - 135 | 4 | 37 |

Eurofins TestAmerica, Seattle

QC Sample Results

Client: Antea USA Inc.
Project/Site: ARCO Facility No. 00980

Job ID: 580-99238-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 580-344617/3-A

Matrix: Solid

Analysis Batch: 344651

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 344617

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|-------------------------|-------------|-------------|----------------|-------|---|------|--------------|-----|-----------|
| | | | | | | | | | |
| Methyl tert-butyl ether | 0.0200 | 0.0271 | * | mg/Kg | | 136 | 77 - 132 | 7 | 25 |
| m-Xylene & p-Xylene | 0.0200 | 0.0208 | | mg/Kg | | 104 | 80 - 132 | 1 | 38 |
| n-Hexane | 0.0200 | 0.0194 | J | mg/Kg | | 97 | 41 - 150 | 8 | 36 |
| o-Xylene | 0.0200 | 0.0227 | | mg/Kg | | 113 | 80 - 132 | 2 | 39 |
| Toluene | 0.0200 | 0.0223 | | mg/Kg | | 111 | 75 - 137 | 4 | 34 |
| Xylenes, Total | 0.0400 | 0.0435 | | mg/Kg | | 109 | 80 - 136 | 2 | 19 |

| Surrogate | %Recovery | LCSD Qualifier | Limits |
|------------------------------|-----------|----------------|----------|
| | | | |
| 1,2-Dichloroethane-d4 (Surr) | 108 | | 80 - 121 |
| 4-Bromofluorobenzene (Surr) | 101 | | 80 - 120 |
| Dibromofluoromethane (Surr) | 104 | | 80 - 120 |
| Toluene-d8 (Surr) | 92 | | 80 - 120 |

Lab Sample ID: MB 580-344707/1-A

Matrix: Solid

Analysis Batch: 344815

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 344707

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------|-----------|--------------|-------|-----|-------|---|----------------|----------------|---------|
| | | | | | | | | | |
| m-Xylene & p-Xylene | ND | | 0.010 | | mg/Kg | | 12/03/20 12:44 | 12/03/20 15:42 | 1 |
| Xylenes, Total | ND | | 0.010 | | mg/Kg | | 12/03/20 12:44 | 12/03/20 15:42 | 1 |

| Surrogate | %Recovery | MB Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------|--------------|----------|----------------|----------------|---------|
| | | | | | | |
| 1,2-Dichloroethane-d4 (Surr) | 109 | | 80 - 121 | 12/03/20 12:44 | 12/03/20 15:42 | 1 |
| 4-Bromofluorobenzene (Surr) | 97 | | 80 - 120 | 12/03/20 12:44 | 12/03/20 15:42 | 1 |
| Dibromofluoromethane (Surr) | 108 | | 80 - 120 | 12/03/20 12:44 | 12/03/20 15:42 | 1 |
| Toluene-d8 (Surr) | 90 | | 80 - 120 | 12/03/20 12:44 | 12/03/20 15:42 | 1 |

Lab Sample ID: LCS 580-344707/2-A

Matrix: Solid

Analysis Batch: 344815

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 344707

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---------------------|-------------|------------|---------------|-------|---|------|--------------|
| | | | | | | | |
| m-Xylene & p-Xylene | 0.0200 | 0.0183 | | mg/Kg | | 91 | 80 - 132 |
| Xylenes, Total | 0.0400 | 0.0381 | | mg/Kg | | 95 | 80 - 136 |

| Surrogate | %Recovery | LCS Qualifier | Limits |
|------------------------------|-----------|---------------|----------|
| | | | |
| 1,2-Dichloroethane-d4 (Surr) | 98 | | 80 - 121 |
| 4-Bromofluorobenzene (Surr) | 101 | | 80 - 120 |
| Dibromofluoromethane (Surr) | 101 | | 80 - 120 |
| Toluene-d8 (Surr) | 94 | | 80 - 120 |

Lab Sample ID: LCSD 580-344707/3-A

Matrix: Solid

Analysis Batch: 344815

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 344707

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|---------------------|-------------|-------------|----------------|-------|---|------|--------------|-----|-----------|
| | | | | | | | | | |
| m-Xylene & p-Xylene | 0.0200 | 0.0188 | | mg/Kg | | 94 | 80 - 132 | 3 | 38 |
| Xylenes, Total | 0.0400 | 0.0387 | | mg/Kg | | 97 | 80 - 136 | 2 | 19 |

Eurofins TestAmerica, Seattle

QC Sample Results

Client: Antea USA Inc.
Project/Site: ARCO Facility No. 00980

Job ID: 580-99238-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

| Surrogate | LCSD | | Limits |
|------------------------------|-----------|-----------|----------|
| | %Recovery | Qualifier | |
| 1,2-Dichloroethane-d4 (Surr) | 110 | | 80 - 121 |
| 4-Bromofluorobenzene (Surr) | 100 | | 80 - 120 |
| Dibromofluoromethane (Surr) | 104 | | 80 - 120 |
| Toluene-d8 (Surr) | 93 | | 80 - 120 |

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC)

Lab Sample ID: MB 580-344085/1-A
Matrix: Solid
Analysis Batch: 344228

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 344085

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|-----------|--------------|-----|-----|-------|---|----------------|----------------|---------|
| Gasoline | ND | | 5.0 | | mg/Kg | | 11/25/20 14:59 | 11/27/20 09:48 | 1 |

| Surrogate | MB %Recovery | MB Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-----------------------------|--------------|--------------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 88 | | 50 - 150 | 11/25/20 14:59 | 11/27/20 09:48 | 1 |

Lab Sample ID: LCS 580-344085/2-A
Matrix: Solid
Analysis Batch: 344228

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 344085

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|----------|-------------|------------|---------------|-------|---|------|--------------|
| Gasoline | 40.0 | 34.1 | | mg/Kg | | 85 | 80 - 120 |

| Surrogate | LCS %Recovery | LCS Qualifier | Limits |
|-----------------------------|---------------|---------------|----------|
| 4-Bromofluorobenzene (Surr) | 94 | | 50 - 150 |

Lab Sample ID: LCSD 580-344085/3-A
Matrix: Solid
Analysis Batch: 344228

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 344085

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | Limit |
|----------|-------------|-------------|----------------|-------|---|------|--------------|-----|-------|
| Gasoline | 40.0 | 35.2 | | mg/Kg | | 88 | 80 - 120 | 3 | 10 |

| Surrogate | LCSD %Recovery | LCSD Qualifier | Limits |
|-----------------------------|----------------|----------------|----------|
| 4-Bromofluorobenzene (Surr) | 97 | | 50 - 150 |

Lab Sample ID: MB 580-344456/1-A
Matrix: Solid
Analysis Batch: 344533

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 344456

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|-----------|--------------|-----|-----|-------|---|----------------|----------------|---------|
| Gasoline | ND | | 5.0 | | mg/Kg | | 12/01/20 12:19 | 12/01/20 12:19 | 1 |

| Surrogate | MB %Recovery | MB Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-----------------------------|--------------|--------------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 84 | | 50 - 150 | 12/01/20 12:19 | 12/01/20 12:19 | 1 |

QC Sample Results

Client: Antea USA Inc.
Project/Site: ARCO Facility No. 00980

Job ID: 580-99238-1

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC) (Continued)

Lab Sample ID: LCS 580-344456/2-A
Matrix: Solid
Analysis Batch: 344533

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 344456

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|-----------------------------|---------------|---------------|---------------|-------|---|------|--------------|
| Gasoline | 40.0 | 34.0 | | mg/Kg | | 85 | 80 - 120 |
| Surrogate | LCS %Recovery | LCS Qualifier | Limits | | | | |
| 4-Bromofluorobenzene (Surr) | 94 | | 50 - 150 | | | | |

Lab Sample ID: LCSD 580-344456/3-A
Matrix: Solid
Analysis Batch: 344533

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 344456

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|-----------------------------|----------------|----------------|----------------|-------|---|------|--------------|-----|-----------|
| Gasoline | 40.0 | 36.6 | | mg/Kg | | 91 | 80 - 120 | 7 | 10 |
| Surrogate | LCSD %Recovery | LCSD Qualifier | Limits | | | | | | |
| 4-Bromofluorobenzene (Surr) | 94 | | 50 - 150 | | | | | | |

Lab Sample ID: MB 580-344580/3-A
Matrix: Solid
Analysis Batch: 344663

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 344580

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------|--------------|--------------|----------|----------------|----------------|---------|----------------|----------------|---------|
| Gasoline | ND | | 5.0 | | mg/Kg | | 12/02/20 12:40 | 12/02/20 16:42 | 1 |
| Surrogate | MB %Recovery | MB Qualifier | Limits | Prepared | Analyzed | Dil Fac | | | |
| 4-Bromofluorobenzene (Surr) | 94 | | 50 - 150 | 12/02/20 12:40 | 12/02/20 16:42 | 1 | | | |

Lab Sample ID: LCS 580-344580/1-A
Matrix: Solid
Analysis Batch: 344720

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 344580

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|-----------------------------|---------------|---------------|---------------|-------|---|------|--------------|
| Gasoline | 40.0 | 36.3 | | mg/Kg | | 91 | 80 - 120 |
| Surrogate | LCS %Recovery | LCS Qualifier | Limits | | | | |
| 4-Bromofluorobenzene (Surr) | 93 | | 50 - 150 | | | | |

Lab Sample ID: LCSD 580-344580/2-A
Matrix: Solid
Analysis Batch: 344663

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 344580

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|-----------------------------|----------------|----------------|----------------|-------|---|------|--------------|-----|-----------|
| Gasoline | 40.0 | 35.7 | | mg/Kg | | 89 | 80 - 120 | 2 | 10 |
| Surrogate | LCSD %Recovery | LCSD Qualifier | Limits | | | | | | |
| 4-Bromofluorobenzene (Surr) | 96 | | 50 - 150 | | | | | | |

QC Sample Results

Client: Antea USA Inc.
Project/Site: ARCO Facility No. 00980

Job ID: 580-99238-1

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC) (Continued)

Lab Sample ID: MB 580-344686/1-A
Matrix: Solid
Analysis Batch: 344781

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 344686

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------|--------------|--------------|----------|-----|-------|---|----------------|----------------|---------|
| Gasoline | ND | | 5.0 | | mg/Kg | | 12/03/20 09:24 | 12/03/20 10:27 | 1 |
| Surrogate | MB %Recovery | MB Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 86 | | 50 - 150 | | | | 12/03/20 09:24 | 12/03/20 10:27 | 1 |

Lab Sample ID: LCS 580-344686/2-A
Matrix: Solid
Analysis Batch: 344781

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 344686

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|-----------------------------|---------------|---------------|---------------|-------|---|------|--------------|
| Gasoline | 40.0 | 37.5 | | mg/Kg | | 94 | 80 - 120 |
| Surrogate | LCS %Recovery | LCS Qualifier | Limits | | | | |
| 4-Bromofluorobenzene (Surr) | 92 | | 50 - 150 | | | | |

Lab Sample ID: LCSD 580-344686/3-A
Matrix: Solid
Analysis Batch: 344781

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 344686

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|-----------------------------|----------------|----------------|----------------|-------|---|------|--------------|-----|-----------|
| Gasoline | 40.0 | 36.4 | | mg/Kg | | 91 | 80 - 120 | 3 | 10 |
| Surrogate | LCSD %Recovery | LCSD Qualifier | Limits | | | | | | |
| 4-Bromofluorobenzene (Surr) | 93 | | 50 - 150 | | | | | | |

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Lab Sample ID: MB 580-344508/1-A
Matrix: Solid
Analysis Batch: 344607

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 344508

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------|--------------|--------------|----------|-----|-------|---|----------------|----------------|---------|
| #2 Diesel (C10-C24) | ND | | 50 | | mg/Kg | | 12/01/20 17:22 | 12/02/20 17:24 | 1 |
| Motor Oil (>C24-C36) | ND | | 50 | | mg/Kg | | 12/01/20 17:22 | 12/02/20 17:24 | 1 |
| Surrogate | MB %Recovery | MB Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| o-Terphenyl | 91 | | 50 - 150 | | | | 12/01/20 17:22 | 12/02/20 17:24 | 1 |

Lab Sample ID: LCS 580-344508/2-A
Matrix: Solid
Analysis Batch: 344607

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 344508

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|----------------------|-------------|------------|---------------|-------|---|------|--------------|
| #2 Diesel (C10-C24) | 500 | 479 | | mg/Kg | | 96 | 70 - 125 |
| Motor Oil (>C24-C36) | 500 | 500 | | mg/Kg | | 100 | 70 - 129 |

Eurofins TestAmerica, Seattle

QC Sample Results

Client: Antea USA Inc.
Project/Site: ARCO Facility No. 00980

Job ID: 580-99238-1

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC) (Continued)

Lab Sample ID: LCS 580-344508/2-A
Matrix: Solid
Analysis Batch: 344607

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 344508

| | LCS %Recovery | LCS Qualifier | Limits |
|---------------------------------|------------------|------------------|----------|
| <i>Surrogate</i> o-Terphenyl | 105 | | 50 - 150 |

Lab Sample ID: LCSD 580-344508/3-A
Matrix: Solid
Analysis Batch: 344607

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 344508

| | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | Limits | RPD | Limit |
|----------------------|----------------|----------------|-------------------|-------|---|------|----------|-----|-------|
| #2 Diesel (C10-C24) | 500 | 465 | | mg/Kg | | 93 | 70 - 125 | 3 | 16 |
| Motor Oil (>C24-C36) | 500 | 490 | | mg/Kg | | 98 | 70 - 129 | 2 | 16 |

| | LCSD %Recovery | LCSD Qualifier | Limits |
|---------------------------------|-------------------|-------------------|----------|
| <i>Surrogate</i> o-Terphenyl | 104 | | 50 - 150 |

Lab Sample ID: 580-99238-1 DU
Matrix: Solid
Analysis Batch: 344607

Client Sample ID: MW-17.5_20201117
Prep Type: Total/NA
Prep Batch: 344508

| | Sample Result | Sample Qualifier | DU Result | DU Qualifier | Unit | D | RPD | Limit |
|----------------------|------------------|---------------------|--------------|-----------------|-------|---|-----|-------|
| #2 Diesel (C10-C24) | ND | | ND | | mg/Kg | ☼ | NC | 35 |
| Motor Oil (>C24-C36) | ND | | ND | | mg/Kg | ☼ | 23 | 35 |

| | DU %Recovery | DU Qualifier | Limits |
|---------------------------------|-----------------|-----------------|----------|
| <i>Surrogate</i> o-Terphenyl | 90 | | 50 - 150 |

Lab Sample ID: MB 580-344659/1-A
Matrix: Solid
Analysis Batch: 344835

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 344659

| | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------|--------------|-----------------|----|-----|-------|---|----------------|----------------|---------|
| #2 Diesel (C10-C24) | ND | | 50 | | mg/Kg | | 12/02/20 17:53 | 12/04/20 18:42 | 1 |
| Motor Oil (>C24-C36) | ND | | 50 | | mg/Kg | | 12/02/20 17:53 | 12/04/20 18:42 | 1 |

| | MB %Recovery | MB Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---------------------------------|-----------------|-----------------|----------|----------------|----------------|---------|
| <i>Surrogate</i> o-Terphenyl | 106 | | 50 - 150 | 12/02/20 17:53 | 12/04/20 18:42 | 1 |

Lab Sample ID: LCS 580-344659/2-A
Matrix: Solid
Analysis Batch: 344835

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 344659

| | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | Limits |
|----------------------|----------------|---------------|------------------|-------|---|------|----------|
| #2 Diesel (C10-C24) | 500 | 468 | | mg/Kg | | 94 | 70 - 125 |
| Motor Oil (>C24-C36) | 500 | 481 | | mg/Kg | | 96 | 70 - 129 |

| | LCS %Recovery | LCS Qualifier | Limits |
|---------------------------------|------------------|------------------|----------|
| <i>Surrogate</i> o-Terphenyl | 93 | | 50 - 150 |

QC Sample Results

Client: Antea USA Inc.
Project/Site: ARCO Facility No. 00980

Job ID: 580-99238-1

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC) (Continued)

Lab Sample ID: LCSD 580-344659/3-A
Matrix: Solid
Analysis Batch: 344835

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 344659

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec. Limits | | RPD | |
|----------------------|------------------|------------------|----------------|-------|---|------|--------------|-------|-----|--|
| | | | | | | | RPD | Limit | | |
| #2 Diesel (C10-C24) | 500 | 467 | | mg/Kg | | 93 | 70 - 125 | 0 | 16 | |
| Motor Oil (>C24-C36) | 500 | 475 | | mg/Kg | | 95 | 70 - 129 | 1 | 16 | |
| | | LCS | LCS | | | | | | | |
| Surrogate | %Recovery | Qualifier | Limits | | | | | | | |
| <i>o-Terphenyl</i> | 93 | | 50 - 150 | | | | | | | |

Lab Sample ID: MB 580-344700/1-A
Matrix: Solid
Analysis Batch: 344760

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 344700

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | | Analyzed | | Dil Fac |
|----------------------|------------------|------------------|---------------|-----------------|-------|-----------------|----------------|----------------|----------|---|---------|
| | | | | | | | Time | Time | | | |
| #2 Diesel (C10-C24) | ND | | 50 | | mg/Kg | | 12/03/20 11:47 | 12/05/20 00:44 | | 1 | |
| Motor Oil (>C24-C36) | ND | | 50 | | mg/Kg | | 12/03/20 11:47 | 12/05/20 00:44 | | 1 | |
| | | MB | MB | | | | | | | | |
| Surrogate | %Recovery | Qualifier | Limits | Prepared | | Analyzed | | Dil Fac | | | |
| <i>o-Terphenyl</i> | 86 | | 50 - 150 | 12/03/20 11:47 | | 12/05/20 00:44 | | 1 | | | |

Lab Sample ID: LCS 580-344700/2-A
Matrix: Solid
Analysis Batch: 344760

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 344700

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits | | |
|----------------------|------------------|------------------|---------------|-------|---|------|--------------|-------|--|
| | | | | | | | RPD | Limit | |
| #2 Diesel (C10-C24) | 500 | 439 | | mg/Kg | | 88 | 70 - 125 | | |
| Motor Oil (>C24-C36) | 500 | 464 | | mg/Kg | | 93 | 70 - 129 | | |
| | | LCS | LCS | | | | | | |
| Surrogate | %Recovery | Qualifier | Limits | | | | | | |
| <i>o-Terphenyl</i> | 100 | | 50 - 150 | | | | | | |

Lab Sample ID: LCSD 580-344700/3-A
Matrix: Solid
Analysis Batch: 344760

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 344700

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec. Limits | | RPD | |
|----------------------|------------------|------------------|----------------|-------|---|------|--------------|-------|-----|--|
| | | | | | | | RPD | Limit | | |
| #2 Diesel (C10-C24) | 500 | 453 | | mg/Kg | | 91 | 70 - 125 | 3 | 16 | |
| Motor Oil (>C24-C36) | 500 | 468 | | mg/Kg | | 94 | 70 - 129 | 1 | 16 | |
| | | LCS | LCS | | | | | | | |
| Surrogate | %Recovery | Qualifier | Limits | | | | | | | |
| <i>o-Terphenyl</i> | 102 | | 50 - 150 | | | | | | | |

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 580-344241/24-A
Matrix: Solid
Analysis Batch: 344447

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 344241

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | | Analyzed | | Dil Fac |
|---------|-----------|--------------|------|-----|-------|---|----------------|----------------|----------|---|---------|
| | | | | | | | Time | Time | | | |
| Arsenic | ND | | 3.0 | | mg/Kg | | 11/28/20 08:11 | 12/01/20 01:45 | | 1 | |
| Barium | ND | | 0.50 | | mg/Kg | | 11/28/20 08:11 | 12/01/20 01:45 | | 1 | |

Eurofins TestAmerica, Seattle

QC Sample Results

Client: Antea USA Inc.
Project/Site: ARCO Facility No. 00980

Job ID: 580-99238-1

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: MB 580-344241/24-A
Matrix: Solid
Analysis Batch: 344447

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 344241

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|-----------|--------------|-----|-----|-------|---|----------------|----------------|---------|
| Cadmium | ND | | 1.0 | | mg/Kg | | 11/28/20 08:11 | 12/01/20 01:45 | 1 |
| Chromium | ND | | 1.3 | | mg/Kg | | 11/28/20 08:11 | 12/01/20 01:45 | 1 |
| Lead | ND | | 1.5 | | mg/Kg | | 11/28/20 08:11 | 12/01/20 01:45 | 1 |
| Selenium | ND | | 5.0 | | mg/Kg | | 11/28/20 08:11 | 12/01/20 01:45 | 1 |
| Silver | ND | | 2.5 | | mg/Kg | | 11/28/20 08:11 | 12/01/20 01:45 | 1 |

Lab Sample ID: LCS 580-344241/25-A
Matrix: Solid
Analysis Batch: 344447

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 344241

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | Limits |
|----------|-------------|------------|---------------|-------|---|------|----------|
| Arsenic | 50.0 | 51.5 | | mg/Kg | | 103 | 80 - 120 |
| Barium | 50.0 | 53.1 | | mg/Kg | | 106 | 80 - 120 |
| Cadmium | 50.0 | 52.0 | | mg/Kg | | 104 | 80 - 120 |
| Chromium | 50.0 | 54.1 | | mg/Kg | | 108 | 80 - 120 |
| Lead | 50.0 | 54.0 | | mg/Kg | | 108 | 80 - 120 |
| Selenium | 50.0 | 51.0 | | mg/Kg | | 102 | 80 - 120 |
| Silver | 50.0 | 54.7 | | mg/Kg | | 109 | 80 - 120 |

Lab Sample ID: LCSD 580-344241/26-A
Matrix: Solid
Analysis Batch: 344447

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 344241

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | Limits | RPD | Limit |
|----------|-------------|-------------|----------------|-------|---|------|----------|-----|-------|
| Arsenic | 50.0 | 50.6 | | mg/Kg | | 101 | 80 - 120 | 2 | 20 |
| Barium | 50.0 | 52.7 | | mg/Kg | | 105 | 80 - 120 | 1 | 20 |
| Cadmium | 50.0 | 51.5 | | mg/Kg | | 103 | 80 - 120 | 1 | 20 |
| Chromium | 50.0 | 53.7 | | mg/Kg | | 107 | 80 - 120 | 1 | 20 |
| Lead | 50.0 | 53.4 | | mg/Kg | | 107 | 80 - 120 | 1 | 20 |
| Selenium | 50.0 | 49.7 | | mg/Kg | | 99 | 80 - 120 | 3 | 20 |
| Silver | 50.0 | 53.7 | | mg/Kg | | 107 | 80 - 120 | 2 | 20 |

Lab Sample ID: 580-99238-1 MS
Matrix: Solid
Analysis Batch: 344447

Client Sample ID: MW-17.5_20201117
Prep Type: Total/NA
Prep Batch: 344241

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | Limits |
|----------|---------------|------------------|-------------|-----------|--------------|-------|---|------|----------|
| Arsenic | 5.3 | | 38.2 | 43.8 | | mg/Kg | ⊛ | 101 | 80 - 120 |
| Barium | 41 | | 38.2 | 83.8 | | mg/Kg | ⊛ | 112 | 80 - 120 |
| Cadmium | ND | | 38.2 | 38.7 | | mg/Kg | ⊛ | 101 | 80 - 120 |
| Chromium | 20 | | 38.2 | 61.0 | | mg/Kg | ⊛ | 108 | 80 - 120 |
| Lead | 9.7 | | 38.2 | 49.9 | | mg/Kg | ⊛ | 105 | 80 - 120 |
| Selenium | ND | | 38.2 | 36.8 | | mg/Kg | ⊛ | 96 | 80 - 120 |
| Silver | ND | | 38.2 | 40.7 | | mg/Kg | ⊛ | 107 | 80 - 120 |

QC Sample Results

Client: Antea USA Inc.
Project/Site: ARCO Facility No. 00980

Job ID: 580-99238-1

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: 580-99238-1 MSD
Matrix: Solid
Analysis Batch: 344447

Client Sample ID: MW-17.5_20201117
Prep Type: Total/NA
Prep Batch: 344241

| Analyte | Sample | Sample | Spike | MSD | MSD | Unit | D | %Rec | %Rec. | RPD | |
|----------|--------|-----------|-------|--------|-----------|-------|---|------|----------|-----|-------|
| | Result | Qualifier | Added | Result | Qualifier | | | | Limits | RPD | Limit |
| Arsenic | 5.3 | | 37.9 | 43.7 | | mg/Kg | ⊛ | 101 | 80 - 120 | 0 | 20 |
| Barium | 41 | | 37.9 | 79.8 | | mg/Kg | ⊛ | 102 | 80 - 120 | 5 | 20 |
| Cadmium | ND | | 37.9 | 39.3 | | mg/Kg | ⊛ | 103 | 80 - 120 | 2 | 20 |
| Chromium | 20 | | 37.9 | 60.5 | | mg/Kg | ⊛ | 107 | 80 - 120 | 1 | 20 |
| Lead | 9.7 | | 37.9 | 48.7 | | mg/Kg | ⊛ | 103 | 80 - 120 | 3 | 20 |
| Selenium | ND | | 37.9 | 37.5 | | mg/Kg | ⊛ | 99 | 80 - 120 | 2 | 20 |
| Silver | ND | | 37.9 | 40.9 | | mg/Kg | ⊛ | 108 | 80 - 120 | 1 | 20 |

Lab Sample ID: 580-99238-1 DU
Matrix: Solid
Analysis Batch: 344447

Client Sample ID: MW-17.5_20201117
Prep Type: Total/NA
Prep Batch: 344241

| Analyte | Sample | Sample | DU | DU | Unit | D | RPD | RPD | |
|----------|--------|-----------|--------|-----------|-------|---|-----|-----|-------|
| | Result | Qualifier | Result | Qualifier | | | | RPD | Limit |
| Arsenic | 5.3 | | 7.50 | F5 | mg/Kg | ⊛ | 35 | | 20 |
| Barium | 41 | | 43.0 | | mg/Kg | ⊛ | 5 | | 20 |
| Cadmium | ND | | ND | | mg/Kg | ⊛ | NC | | 20 |
| Chromium | 20 | | 21.4 | | mg/Kg | ⊛ | 8 | | 20 |
| Lead | 9.7 | | 16.2 | F3 | mg/Kg | ⊛ | 50 | | 20 |
| Selenium | ND | | ND | | mg/Kg | ⊛ | NC | | 20 |
| Silver | ND | | ND | | mg/Kg | ⊛ | NC | | 20 |

QC Association Summary

Client: Antea USA Inc.
Project/Site: ARCO Facility No. 00980

Job ID: 580-99238-1

GC/MS VOA

Prep Batch: 344221

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 580-99238-1 | MW-17.5_20201117 | Total/NA | Solid | 5035 | |
| 580-99238-2 | MW-18.5_20201117 | Total/NA | Solid | 5035 | |
| 580-99238-3 | MW-19.3_20201117 | Total/NA | Solid | 5035 | |
| MB 580-344221/1-A | Method Blank | Total/NA | Solid | 5035 | |
| LCS 580-344221/2-A | Lab Control Sample | Total/NA | Solid | 5035 | |
| LCSD 580-344221/3-A | Lab Control Sample Dup | Total/NA | Solid | 5035 | |

Analysis Batch: 344378

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 580-99238-1 | MW-17.5_20201117 | Total/NA | Solid | 8260D | 344221 |
| 580-99238-2 | MW-18.5_20201117 | Total/NA | Solid | 8260D | 344221 |
| 580-99238-3 | MW-19.3_20201117 | Total/NA | Solid | 8260D | 344221 |
| MB 580-344221/1-A | Method Blank | Total/NA | Solid | 8260D | 344221 |
| LCS 580-344221/2-A | Lab Control Sample | Total/NA | Solid | 8260D | 344221 |
| LCSD 580-344221/3-A | Lab Control Sample Dup | Total/NA | Solid | 8260D | 344221 |

Prep Batch: 344412

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 580-99238-5 | MW-17.15_20201118 | Total/NA | Solid | 5035 | |
| 580-99238-6 | MW-19.10_20201118 | Total/NA | Solid | 5035 | |
| MB 580-344412/1-A | Method Blank | Total/NA | Solid | 5035 | |
| LCS 580-344412/2-A | Lab Control Sample | Total/NA | Solid | 5035 | |
| LCSD 580-344412/3-A | Lab Control Sample Dup | Total/NA | Solid | 5035 | |

Prep Batch: 344507

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 580-99238-4 | MW-17.10_20201118 | Total/NA | Solid | 5035 | |
| 580-99238-7 | MW-19.5_20201119 | Total/NA | Solid | 5035 | |
| 580-99238-8 | MW-18.12_20201119 | Total/NA | Solid | 5035 | |
| MB 580-344507/1-A | Method Blank | Total/NA | Solid | 5035 | |
| LCS 580-344507/2-A | Lab Control Sample | Total/NA | Solid | 5035 | |
| LCSD 580-344507/3-A | Lab Control Sample Dup | Total/NA | Solid | 5035 | |

Analysis Batch: 344564

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 580-99238-5 | MW-17.15_20201118 | Total/NA | Solid | 8260D | 344412 |
| 580-99238-6 | MW-19.10_20201118 | Total/NA | Solid | 8260D | 344412 |
| MB 580-344412/1-A | Method Blank | Total/NA | Solid | 8260D | 344412 |
| LCS 580-344412/2-A | Lab Control Sample | Total/NA | Solid | 8260D | 344412 |
| LCSD 580-344412/3-A | Lab Control Sample Dup | Total/NA | Solid | 8260D | 344412 |

Analysis Batch: 344567

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 580-99238-4 | MW-17.10_20201118 | Total/NA | Solid | 8260D | 344507 |
| 580-99238-7 | MW-19.5_20201119 | Total/NA | Solid | 8260D | 344507 |
| 580-99238-8 | MW-18.12_20201119 | Total/NA | Solid | 8260D | 344507 |
| MB 580-344507/1-A | Method Blank | Total/NA | Solid | 8260D | 344507 |
| LCS 580-344507/2-A | Lab Control Sample | Total/NA | Solid | 8260D | 344507 |
| LCSD 580-344507/3-A | Lab Control Sample Dup | Total/NA | Solid | 8260D | 344507 |

QC Association Summary

Client: Antea USA Inc.
Project/Site: ARCO Facility No. 00980

Job ID: 580-99238-1

GC/MS VOA

Prep Batch: 344617

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 580-99238-9 | MW-18.16_20201119 | Total/NA | Solid | 5035 | |
| 580-99238-10 | Trip Blank_20201119 | Total/NA | Solid | 5035 | |
| MB 580-344617/1-A | Method Blank | Total/NA | Solid | 5035 | |
| LCS 580-344617/2-A | Lab Control Sample | Total/NA | Solid | 5035 | |
| LCSD 580-344617/3-A | Lab Control Sample Dup | Total/NA | Solid | 5035 | |

Analysis Batch: 344651

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 580-99238-9 | MW-18.16_20201119 | Total/NA | Solid | 8260D | 344617 |
| 580-99238-10 | Trip Blank_20201119 | Total/NA | Solid | 8260D | 344617 |
| MB 580-344617/1-A | Method Blank | Total/NA | Solid | 8260D | 344617 |
| LCS 580-344617/2-A | Lab Control Sample | Total/NA | Solid | 8260D | 344617 |
| LCSD 580-344617/3-A | Lab Control Sample Dup | Total/NA | Solid | 8260D | 344617 |

Prep Batch: 344707

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 580-99238-1 - RA | MW-17.5_20201117 | Total/NA | Solid | 5035 | |
| 580-99238-2 - RA | MW-18.5_20201117 | Total/NA | Solid | 5035 | |
| 580-99238-3 - RA | MW-19.3_20201117 | Total/NA | Solid | 5035 | |
| MB 580-344707/1-A | Method Blank | Total/NA | Solid | 5035 | |
| LCS 580-344707/2-A | Lab Control Sample | Total/NA | Solid | 5035 | |
| LCSD 580-344707/3-A | Lab Control Sample Dup | Total/NA | Solid | 5035 | |

Analysis Batch: 344815

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 580-99238-1 - RA | MW-17.5_20201117 | Total/NA | Solid | 8260D | 344707 |
| 580-99238-2 - RA | MW-18.5_20201117 | Total/NA | Solid | 8260D | 344707 |
| 580-99238-3 - RA | MW-19.3_20201117 | Total/NA | Solid | 8260D | 344707 |
| MB 580-344707/1-A | Method Blank | Total/NA | Solid | 8260D | 344707 |
| LCS 580-344707/2-A | Lab Control Sample | Total/NA | Solid | 8260D | 344707 |
| LCSD 580-344707/3-A | Lab Control Sample Dup | Total/NA | Solid | 8260D | 344707 |

GC VOA

Prep Batch: 344085

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 580-99238-1 | MW-17.5_20201117 | Total/NA | Solid | 5035 | |
| MB 580-344085/1-A | Method Blank | Total/NA | Solid | 5035 | |
| LCS 580-344085/2-A | Lab Control Sample | Total/NA | Solid | 5035 | |
| LCSD 580-344085/3-A | Lab Control Sample Dup | Total/NA | Solid | 5035 | |

Analysis Batch: 344228

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|----------|------------|
| 580-99238-1 | MW-17.5_20201117 | Total/NA | Solid | NWTPH-Gx | 344085 |
| MB 580-344085/1-A | Method Blank | Total/NA | Solid | NWTPH-Gx | 344085 |
| LCS 580-344085/2-A | Lab Control Sample | Total/NA | Solid | NWTPH-Gx | 344085 |
| LCSD 580-344085/3-A | Lab Control Sample Dup | Total/NA | Solid | NWTPH-Gx | 344085 |

Prep Batch: 344456

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|--------|------------|
| 580-99238-2 | MW-18.5_20201117 | Total/NA | Solid | 5035 | |

Eurofins TestAmerica, Seattle

QC Association Summary

Client: Antea USA Inc.
Project/Site: ARCO Facility No. 00980

Job ID: 580-99238-1

GC VOA (Continued)

Prep Batch: 344456 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 580-99238-3 | MW-19.3_20201117 | Total/NA | Solid | 5035 | |
| MB 580-344456/1-A | Method Blank | Total/NA | Solid | 5035 | |
| LCS 580-344456/2-A | Lab Control Sample | Total/NA | Solid | 5035 | |
| LCSD 580-344456/3-A | Lab Control Sample Dup | Total/NA | Solid | 5035 | |

Analysis Batch: 344533

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|----------|------------|
| 580-99238-2 | MW-18.5_20201117 | Total/NA | Solid | NWTPH-Gx | 344456 |
| 580-99238-3 | MW-19.3_20201117 | Total/NA | Solid | NWTPH-Gx | 344456 |
| MB 580-344456/1-A | Method Blank | Total/NA | Solid | NWTPH-Gx | 344456 |
| LCS 580-344456/2-A | Lab Control Sample | Total/NA | Solid | NWTPH-Gx | 344456 |
| LCSD 580-344456/3-A | Lab Control Sample Dup | Total/NA | Solid | NWTPH-Gx | 344456 |

Prep Batch: 344580

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 580-99238-4 - RA | MW-17.10_20201118 | Total/NA | Solid | 5035 | |
| 580-99238-4 | MW-17.10_20201118 | Total/NA | Solid | 5035 | |
| 580-99238-5 | MW-17.15_20201118 | Total/NA | Solid | 5035 | |
| 580-99238-6 | MW-19.10_20201118 | Total/NA | Solid | 5035 | |
| 580-99238-7 | MW-19.5_20201119 | Total/NA | Solid | 5035 | |
| 580-99238-8 | MW-18.12_20201119 | Total/NA | Solid | 5035 | |
| 580-99238-9 | MW-18.16_20201119 | Total/NA | Solid | 5035 | |
| MB 580-344580/3-A | Method Blank | Total/NA | Solid | 5035 | |
| LCS 580-344580/1-A | Lab Control Sample | Total/NA | Solid | 5035 | |
| LCSD 580-344580/2-A | Lab Control Sample Dup | Total/NA | Solid | 5035 | |

Analysis Batch: 344663

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|----------|------------|
| 580-99238-4 | MW-17.10_20201118 | Total/NA | Solid | NWTPH-Gx | 344580 |
| 580-99238-5 | MW-17.15_20201118 | Total/NA | Solid | NWTPH-Gx | 344580 |
| 580-99238-6 | MW-19.10_20201118 | Total/NA | Solid | NWTPH-Gx | 344580 |
| 580-99238-8 | MW-18.12_20201119 | Total/NA | Solid | NWTPH-Gx | 344580 |
| 580-99238-9 | MW-18.16_20201119 | Total/NA | Solid | NWTPH-Gx | 344580 |
| MB 580-344580/3-A | Method Blank | Total/NA | Solid | NWTPH-Gx | 344580 |
| LCSD 580-344580/2-A | Lab Control Sample Dup | Total/NA | Solid | NWTPH-Gx | 344580 |

Prep Batch: 344686

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 580-99238-10 | Trip Blank_20201119 | Total/NA | Solid | 5035 | |
| MB 580-344686/1-A | Method Blank | Total/NA | Solid | 5035 | |
| LCS 580-344686/2-A | Lab Control Sample | Total/NA | Solid | 5035 | |
| LCSD 580-344686/3-A | Lab Control Sample Dup | Total/NA | Solid | 5035 | |

Analysis Batch: 344720

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|----------|------------|
| 580-99238-4 - RA | MW-17.10_20201118 | Total/NA | Solid | NWTPH-Gx | 344580 |
| 580-99238-7 | MW-19.5_20201119 | Total/NA | Solid | NWTPH-Gx | 344580 |
| LCS 580-344580/1-A | Lab Control Sample | Total/NA | Solid | NWTPH-Gx | 344580 |

QC Association Summary

Client: Antea USA Inc.
Project/Site: ARCO Facility No. 00980

Job ID: 580-99238-1

GC VOA

Analysis Batch: 344781

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|----------|------------|
| 580-99238-10 | Trip Blank_20201119 | Total/NA | Solid | NWTPH-Gx | 344686 |
| MB 580-344686/1-A | Method Blank | Total/NA | Solid | NWTPH-Gx | 344686 |
| LCS 580-344686/2-A | Lab Control Sample | Total/NA | Solid | NWTPH-Gx | 344686 |
| LCSD 580-344686/3-A | Lab Control Sample Dup | Total/NA | Solid | NWTPH-Gx | 344686 |

GC Semi VOA

Prep Batch: 344508

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 580-99238-1 | MW-17.5_20201117 | Total/NA | Solid | 3546 | |
| 580-99238-2 | MW-18.5_20201117 | Total/NA | Solid | 3546 | |
| 580-99238-3 | MW-19.3_20201117 | Total/NA | Solid | 3546 | |
| MB 580-344508/1-A | Method Blank | Total/NA | Solid | 3546 | |
| LCS 580-344508/2-A | Lab Control Sample | Total/NA | Solid | 3546 | |
| LCSD 580-344508/3-A | Lab Control Sample Dup | Total/NA | Solid | 3546 | |
| 580-99238-1 DU | MW-17.5_20201117 | Total/NA | Solid | 3546 | |

Analysis Batch: 344607

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|----------|------------|
| 580-99238-1 | MW-17.5_20201117 | Total/NA | Solid | NWTPH-Dx | 344508 |
| 580-99238-2 | MW-18.5_20201117 | Total/NA | Solid | NWTPH-Dx | 344508 |
| 580-99238-3 | MW-19.3_20201117 | Total/NA | Solid | NWTPH-Dx | 344508 |
| MB 580-344508/1-A | Method Blank | Total/NA | Solid | NWTPH-Dx | 344508 |
| LCS 580-344508/2-A | Lab Control Sample | Total/NA | Solid | NWTPH-Dx | 344508 |
| LCSD 580-344508/3-A | Lab Control Sample Dup | Total/NA | Solid | NWTPH-Dx | 344508 |
| 580-99238-1 DU | MW-17.5_20201117 | Total/NA | Solid | NWTPH-Dx | 344508 |

Prep Batch: 344659

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 580-99238-4 | MW-17.10_20201118 | Total/NA | Solid | 3546 | |
| 580-99238-5 | MW-17.15_20201118 | Total/NA | Solid | 3546 | |
| 580-99238-6 | MW-19.10_20201118 | Total/NA | Solid | 3546 | |
| MB 580-344659/1-A | Method Blank | Total/NA | Solid | 3546 | |
| LCS 580-344659/2-A | Lab Control Sample | Total/NA | Solid | 3546 | |
| LCSD 580-344659/3-A | Lab Control Sample Dup | Total/NA | Solid | 3546 | |

Prep Batch: 344700

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 580-99238-7 | MW-19.5_20201119 | Total/NA | Solid | 3546 | |
| 580-99238-8 | MW-18.12_20201119 | Total/NA | Solid | 3546 | |
| 580-99238-9 | MW-18.16_20201119 | Total/NA | Solid | 3546 | |
| MB 580-344700/1-A | Method Blank | Total/NA | Solid | 3546 | |
| LCS 580-344700/2-A | Lab Control Sample | Total/NA | Solid | 3546 | |
| LCSD 580-344700/3-A | Lab Control Sample Dup | Total/NA | Solid | 3546 | |

Analysis Batch: 344760

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-------------------|-------------------|-----------|--------|----------|------------|
| 580-99238-7 | MW-19.5_20201119 | Total/NA | Solid | NWTPH-Dx | 344700 |
| 580-99238-8 | MW-18.12_20201119 | Total/NA | Solid | NWTPH-Dx | 344700 |
| 580-99238-9 | MW-18.16_20201119 | Total/NA | Solid | NWTPH-Dx | 344700 |
| MB 580-344700/1-A | Method Blank | Total/NA | Solid | NWTPH-Dx | 344700 |

Eurofins TestAmerica, Seattle

QC Association Summary

Client: Antea USA Inc.
Project/Site: ARCO Facility No. 00980

Job ID: 580-99238-1

GC Semi VOA (Continued)

Analysis Batch: 344760 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|----------|------------|
| LCS 580-344700/2-A | Lab Control Sample | Total/NA | Solid | NWTPH-Dx | 344700 |
| LCSD 580-344700/3-A | Lab Control Sample Dup | Total/NA | Solid | NWTPH-Dx | 344700 |

Analysis Batch: 344835

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|----------|------------|
| 580-99238-4 | MW-17.10_20201118 | Total/NA | Solid | NWTPH-Dx | 344659 |
| 580-99238-5 | MW-17.15_20201118 | Total/NA | Solid | NWTPH-Dx | 344659 |
| 580-99238-6 | MW-19.10_20201118 | Total/NA | Solid | NWTPH-Dx | 344659 |
| MB 580-344659/1-A | Method Blank | Total/NA | Solid | NWTPH-Dx | 344659 |
| LCS 580-344659/2-A | Lab Control Sample | Total/NA | Solid | NWTPH-Dx | 344659 |
| LCSD 580-344659/3-A | Lab Control Sample Dup | Total/NA | Solid | NWTPH-Dx | 344659 |

Metals

Prep Batch: 344241

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|----------------------|------------------------|-----------|--------|--------|------------|
| 580-99238-1 | MW-17.5_20201117 | Total/NA | Solid | 3050B | |
| 580-99238-2 | MW-18.5_20201117 | Total/NA | Solid | 3050B | |
| 580-99238-3 | MW-19.3_20201117 | Total/NA | Solid | 3050B | |
| 580-99238-4 | MW-17.10_20201118 | Total/NA | Solid | 3050B | |
| 580-99238-5 | MW-17.15_20201118 | Total/NA | Solid | 3050B | |
| 580-99238-6 | MW-19.10_20201118 | Total/NA | Solid | 3050B | |
| 580-99238-7 | MW-19.5_20201119 | Total/NA | Solid | 3050B | |
| 580-99238-8 | MW-18.12_20201119 | Total/NA | Solid | 3050B | |
| 580-99238-9 | MW-18.16_20201119 | Total/NA | Solid | 3050B | |
| MB 580-344241/24-A | Method Blank | Total/NA | Solid | 3050B | |
| LCS 580-344241/25-A | Lab Control Sample | Total/NA | Solid | 3050B | |
| LCSD 580-344241/26-A | Lab Control Sample Dup | Total/NA | Solid | 3050B | |
| 580-99238-1 MS | MW-17.5_20201117 | Total/NA | Solid | 3050B | |
| 580-99238-1 MSD | MW-17.5_20201117 | Total/NA | Solid | 3050B | |
| 580-99238-1 DU | MW-17.5_20201117 | Total/NA | Solid | 3050B | |

Analysis Batch: 344447

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|----------------------|------------------------|-----------|--------|--------|------------|
| 580-99238-1 | MW-17.5_20201117 | Total/NA | Solid | 6010D | 344241 |
| 580-99238-2 | MW-18.5_20201117 | Total/NA | Solid | 6010D | 344241 |
| 580-99238-3 | MW-19.3_20201117 | Total/NA | Solid | 6010D | 344241 |
| 580-99238-4 | MW-17.10_20201118 | Total/NA | Solid | 6010D | 344241 |
| 580-99238-5 | MW-17.15_20201118 | Total/NA | Solid | 6010D | 344241 |
| 580-99238-6 | MW-19.10_20201118 | Total/NA | Solid | 6010D | 344241 |
| 580-99238-7 | MW-19.5_20201119 | Total/NA | Solid | 6010D | 344241 |
| 580-99238-8 | MW-18.12_20201119 | Total/NA | Solid | 6010D | 344241 |
| 580-99238-9 | MW-18.16_20201119 | Total/NA | Solid | 6010D | 344241 |
| MB 580-344241/24-A | Method Blank | Total/NA | Solid | 6010D | 344241 |
| LCS 580-344241/25-A | Lab Control Sample | Total/NA | Solid | 6010D | 344241 |
| LCSD 580-344241/26-A | Lab Control Sample Dup | Total/NA | Solid | 6010D | 344241 |
| 580-99238-1 MS | MW-17.5_20201117 | Total/NA | Solid | 6010D | 344241 |
| 580-99238-1 MSD | MW-17.5_20201117 | Total/NA | Solid | 6010D | 344241 |
| 580-99238-1 DU | MW-17.5_20201117 | Total/NA | Solid | 6010D | 344241 |

QC Association Summary

Client: Antea USA Inc.
Project/Site: ARCO Facility No. 00980

Job ID: 580-99238-1

General Chemistry

Analysis Batch: 344466

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|-------------------|-----------|--------|--------|------------|
| 580-99238-1 | MW-17.5_20201117 | Total/NA | Solid | D 2216 | |
| 580-99238-2 | MW-18.5_20201117 | Total/NA | Solid | D 2216 | |
| 580-99238-3 | MW-19.3_20201117 | Total/NA | Solid | D 2216 | |
| 580-99238-4 | MW-17.10_20201118 | Total/NA | Solid | D 2216 | |
| 580-99238-5 | MW-17.15_20201118 | Total/NA | Solid | D 2216 | |
| 580-99238-6 | MW-19.10_20201118 | Total/NA | Solid | D 2216 | |
| 580-99238-7 | MW-19.5_20201119 | Total/NA | Solid | D 2216 | |
| 580-99238-8 | MW-18.12_20201119 | Total/NA | Solid | D 2216 | |
| 580-99238-9 | MW-18.16_20201119 | Total/NA | Solid | D 2216 | |

Lab Chronicle

Client: Antea USA Inc.
Project/Site: ARCO Facility No. 00980

Job ID: 580-99238-1

Client Sample ID: MW-17.5_20201117

Lab Sample ID: 580-99238-1

Date Collected: 11/17/20 11:10

Matrix: Solid

Date Received: 11/20/20 11:55

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | D 2216 | | 1 | 344466 | 12/01/20 13:22 | S1S | TAL SEA |

Client Sample ID: MW-17.5_20201117

Lab Sample ID: 580-99238-1

Date Collected: 11/17/20 11:10

Matrix: Solid

Date Received: 11/20/20 11:55

Percent Solids: 88.8

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | 5035 | | | 344221 | 11/20/20 14:40 | ASJ | TAL SEA |
| Total/NA | Analysis | 8260D | | 1 | 344378 | 11/27/20 22:48 | CJB | TAL SEA |
| Total/NA | Prep | 5035 | RA | | 344707 | 11/20/20 14:40 | JSM | TAL SEA |
| Total/NA | Analysis | 8260D | RA | 1 | 344815 | 12/03/20 16:57 | CJB | TAL SEA |
| Total/NA | Prep | 5035 | | | 344085 | 11/25/20 15:01 | JSM | TAL SEA |
| Total/NA | Analysis | NWTPH-Gx | | 1 | 344228 | 11/27/20 19:36 | JSM | TAL SEA |
| Total/NA | Prep | 3546 | | | 344508 | 12/01/20 17:22 | S1S | TAL SEA |
| Total/NA | Analysis | NWTPH-Dx | | 1 | 344607 | 12/02/20 18:23 | ADB | TAL SEA |
| Total/NA | Prep | 3050B | | | 344241 | 11/28/20 08:11 | JCP | TAL SEA |
| Total/NA | Analysis | 6010D | | 1 | 344447 | 12/01/20 01:54 | TMH | TAL SEA |

Client Sample ID: MW-18.5_20201117

Lab Sample ID: 580-99238-2

Date Collected: 11/17/20 12:19

Matrix: Solid

Date Received: 11/20/20 11:55

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | D 2216 | | 1 | 344466 | 12/01/20 13:22 | S1S | TAL SEA |

Client Sample ID: MW-18.5_20201117

Lab Sample ID: 580-99238-2

Date Collected: 11/17/20 12:19

Matrix: Solid

Date Received: 11/20/20 11:55

Percent Solids: 79.2

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | 5035 | | | 344221 | 11/20/20 14:40 | ASJ | TAL SEA |
| Total/NA | Analysis | 8260D | | 1 | 344378 | 11/27/20 23:14 | CJB | TAL SEA |
| Total/NA | Prep | 5035 | RA | | 344707 | 11/20/20 14:40 | JSM | TAL SEA |
| Total/NA | Analysis | 8260D | RA | 1 | 344815 | 12/03/20 17:23 | CJB | TAL SEA |
| Total/NA | Prep | 5035 | | | 344456 | 12/01/20 12:19 | JSM | TAL SEA |
| Total/NA | Analysis | NWTPH-Gx | | 1 | 344533 | 12/01/20 13:57 | JSM | TAL SEA |
| Total/NA | Prep | 3546 | | | 344508 | 12/01/20 17:22 | S1S | TAL SEA |
| Total/NA | Analysis | NWTPH-Dx | | 1 | 344607 | 12/02/20 19:03 | ADB | TAL SEA |
| Total/NA | Prep | 3050B | | | 344241 | 11/28/20 08:11 | JCP | TAL SEA |
| Total/NA | Analysis | 6010D | | 1 | 344447 | 12/01/20 02:23 | TMH | TAL SEA |

Lab Chronicle

Client: Antea USA Inc.
Project/Site: ARCO Facility No. 00980

Job ID: 580-99238-1

Client Sample ID: MW-19.3_20201117

Lab Sample ID: 580-99238-3

Date Collected: 11/17/20 13:30

Matrix: Solid

Date Received: 11/20/20 11:55

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | D 2216 | | 1 | 344466 | 12/01/20 13:22 | S1S | TAL SEA |

Client Sample ID: MW-19.3_20201117

Lab Sample ID: 580-99238-3

Date Collected: 11/17/20 13:30

Matrix: Solid

Date Received: 11/20/20 11:55

Percent Solids: 90.8

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | 5035 | | | 344221 | 11/20/20 14:40 | ASJ | TAL SEA |
| Total/NA | Analysis | 8260D | | 1 | 344378 | 11/27/20 23:40 | CJB | TAL SEA |
| Total/NA | Prep | 5035 | RA | | 344707 | 11/20/20 14:40 | JSM | TAL SEA |
| Total/NA | Analysis | 8260D | RA | 1 | 344815 | 12/03/20 17:48 | CJB | TAL SEA |
| Total/NA | Prep | 5035 | | | 344456 | 12/01/20 12:19 | JSM | TAL SEA |
| Total/NA | Analysis | NWTPH-Gx | | 1 | 344533 | 12/01/20 14:22 | JSM | TAL SEA |
| Total/NA | Prep | 3546 | | | 344508 | 12/01/20 17:22 | S1S | TAL SEA |
| Total/NA | Analysis | NWTPH-Dx | | 1 | 344607 | 12/02/20 19:23 | ADB | TAL SEA |
| Total/NA | Prep | 3050B | | | 344241 | 11/28/20 08:11 | JCP | TAL SEA |
| Total/NA | Analysis | 6010D | | 1 | 344447 | 12/01/20 02:27 | TMH | TAL SEA |

Client Sample ID: MW-17.10_20201118

Lab Sample ID: 580-99238-4

Date Collected: 11/18/20 12:00

Matrix: Solid

Date Received: 11/20/20 11:55

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | D 2216 | | 1 | 344466 | 12/01/20 13:22 | S1S | TAL SEA |

Client Sample ID: MW-17.10_20201118

Lab Sample ID: 580-99238-4

Date Collected: 11/18/20 12:00

Matrix: Solid

Date Received: 11/20/20 11:55

Percent Solids: 93.1

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | 5035 | | | 344507 | 11/20/20 14:40 | ASJ | TAL SEA |
| Total/NA | Analysis | 8260D | | 1 | 344567 | 12/02/20 02:26 | JSM | TAL SEA |
| Total/NA | Prep | 5035 | | | 344580 | 12/02/20 12:40 | JSM | TAL SEA |
| Total/NA | Analysis | NWTPH-Gx | | 1 | 344663 | 12/02/20 20:23 | JSM | TAL SEA |
| Total/NA | Prep | 5035 | RA | | 344580 | 12/02/20 12:40 | JSM | TAL SEA |
| Total/NA | Analysis | NWTPH-Gx | RA | 1 | 344720 | 12/03/20 19:27 | JSM | TAL SEA |
| Total/NA | Prep | 3546 | | | 344659 | 12/02/20 17:53 | RJL | TAL SEA |
| Total/NA | Analysis | NWTPH-Dx | | 1 | 344835 | 12/05/20 02:25 | JKM | TAL SEA |
| Total/NA | Prep | 3050B | | | 344241 | 11/28/20 08:11 | JCP | TAL SEA |
| Total/NA | Analysis | 6010D | | 1 | 344447 | 12/01/20 02:30 | TMH | TAL SEA |

Lab Chronicle

Client: Antea USA Inc.
Project/Site: ARCO Facility No. 00980

Job ID: 580-99238-1

Client Sample ID: MW-17.15_20201118

Lab Sample ID: 580-99238-5

Date Collected: 11/18/20 12:10

Matrix: Solid

Date Received: 11/20/20 11:55

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | D 2216 | | 1 | 344466 | 12/01/20 13:22 | S1S | TAL SEA |

Client Sample ID: MW-17.15_20201118

Lab Sample ID: 580-99238-5

Date Collected: 11/18/20 12:10

Matrix: Solid

Date Received: 11/20/20 11:55

Percent Solids: 92.2

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | 5035 | | | 344412 | 11/20/20 14:40 | ASJ | TAL SEA |
| Total/NA | Analysis | 8260D | | 1 | 344564 | 11/30/20 23:19 | CJ | TAL SEA |
| Total/NA | Prep | 5035 | | | 344580 | 12/02/20 12:40 | JSM | TAL SEA |
| Total/NA | Analysis | NWTPH-Gx | | 1 | 344663 | 12/02/20 20:48 | JSM | TAL SEA |
| Total/NA | Prep | 3546 | | | 344659 | 12/02/20 17:53 | RJL | TAL SEA |
| Total/NA | Analysis | NWTPH-Dx | | 1 | 344835 | 12/05/20 02:45 | JKM | TAL SEA |
| Total/NA | Prep | 3050B | | | 344241 | 11/28/20 08:11 | JCP | TAL SEA |
| Total/NA | Analysis | 6010D | | 1 | 344447 | 12/01/20 02:33 | TMH | TAL SEA |

Client Sample ID: MW-19.10_20201118

Lab Sample ID: 580-99238-6

Date Collected: 11/18/20 14:30

Matrix: Solid

Date Received: 11/20/20 11:55

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | D 2216 | | 1 | 344466 | 12/01/20 13:22 | S1S | TAL SEA |

Client Sample ID: MW-19.10_20201118

Lab Sample ID: 580-99238-6

Date Collected: 11/18/20 14:30

Matrix: Solid

Date Received: 11/20/20 11:55

Percent Solids: 93.6

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | 5035 | | | 344412 | 11/20/20 14:40 | ASJ | TAL SEA |
| Total/NA | Analysis | 8260D | | 1 | 344564 | 11/30/20 23:45 | CJ | TAL SEA |
| Total/NA | Prep | 5035 | | | 344580 | 12/02/20 12:40 | JSM | TAL SEA |
| Total/NA | Analysis | NWTPH-Gx | | 1 | 344663 | 12/02/20 21:12 | JSM | TAL SEA |
| Total/NA | Prep | 3546 | | | 344659 | 12/02/20 17:53 | RJL | TAL SEA |
| Total/NA | Analysis | NWTPH-Dx | | 1 | 344835 | 12/05/20 03:05 | JKM | TAL SEA |
| Total/NA | Prep | 3050B | | | 344241 | 11/28/20 08:11 | JCP | TAL SEA |
| Total/NA | Analysis | 6010D | | 1 | 344447 | 12/01/20 02:36 | TMH | TAL SEA |

Client Sample ID: MW-19.5_20201119

Lab Sample ID: 580-99238-7

Date Collected: 11/19/20 10:00

Matrix: Solid

Date Received: 11/20/20 11:55

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | D 2216 | | 1 | 344466 | 12/01/20 13:22 | S1S | TAL SEA |

Lab Chronicle

Client: Antea USA Inc.
Project/Site: ARCO Facility No. 00980

Job ID: 580-99238-1

Client Sample ID: MW-19.5_20201119

Lab Sample ID: 580-99238-7

Date Collected: 11/19/20 10:00

Matrix: Solid

Date Received: 11/20/20 11:55

Percent Solids: 81.6

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | 5035 | | | 344507 | 11/20/20 14:40 | ASJ | TAL SEA |
| Total/NA | Analysis | 8260D | | 1 | 344567 | 12/02/20 03:44 | JSM | TAL SEA |
| Total/NA | Prep | 5035 | | | 344580 | 12/02/20 12:40 | JSM | TAL SEA |
| Total/NA | Analysis | NWTPH-Gx | | 1 | 344720 | 12/03/20 19:03 | JSM | TAL SEA |
| Total/NA | Prep | 3546 | | | 344700 | 12/03/20 11:47 | S1S | TAL SEA |
| Total/NA | Analysis | NWTPH-Dx | | 1 | 344760 | 12/05/20 03:21 | ADB | TAL SEA |
| Total/NA | Prep | 3050B | | | 344241 | 11/28/20 08:11 | JCP | TAL SEA |
| Total/NA | Analysis | 6010D | | 1 | 344447 | 12/01/20 02:39 | TMH | TAL SEA |

Client Sample ID: MW-18.12_20201119

Lab Sample ID: 580-99238-8

Date Collected: 11/19/20 10:10

Matrix: Solid

Date Received: 11/20/20 11:55

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | D 2216 | | 1 | 344466 | 12/01/20 13:22 | S1S | TAL SEA |

Client Sample ID: MW-18.12_20201119

Lab Sample ID: 580-99238-8

Date Collected: 11/19/20 10:10

Matrix: Solid

Date Received: 11/20/20 11:55

Percent Solids: 88.4

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | 5035 | | | 344507 | 11/20/20 14:40 | ASJ | TAL SEA |
| Total/NA | Analysis | 8260D | | 1 | 344567 | 12/02/20 04:10 | JSM | TAL SEA |
| Total/NA | Prep | 5035 | | | 344580 | 12/02/20 12:40 | JSM | TAL SEA |
| Total/NA | Analysis | NWTPH-Gx | | 1 | 344663 | 12/03/20 01:41 | JSM | TAL SEA |
| Total/NA | Prep | 3546 | | | 344700 | 12/03/20 11:47 | S1S | TAL SEA |
| Total/NA | Analysis | NWTPH-Dx | | 1 | 344760 | 12/05/20 03:40 | ADB | TAL SEA |
| Total/NA | Prep | 3050B | | | 344241 | 11/28/20 08:11 | JCP | TAL SEA |
| Total/NA | Analysis | 6010D | | 1 | 344447 | 12/01/20 02:42 | TMH | TAL SEA |

Client Sample ID: MW-18.16_20201119

Lab Sample ID: 580-99238-9

Date Collected: 11/19/20 10:20

Matrix: Solid

Date Received: 11/20/20 11:55

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | D 2216 | | 1 | 344466 | 12/01/20 13:22 | S1S | TAL SEA |

Client Sample ID: MW-18.16_20201119

Lab Sample ID: 580-99238-9

Date Collected: 11/19/20 10:20

Matrix: Solid

Date Received: 11/20/20 11:55

Percent Solids: 86.1

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | 5035 | | | 344617 | 11/20/20 14:40 | JSM | TAL SEA |
| Total/NA | Analysis | 8260D | | 1 | 344651 | 12/02/20 19:12 | JSM | TAL SEA |
| Total/NA | Prep | 5035 | | | 344580 | 12/02/20 12:40 | JSM | TAL SEA |
| Total/NA | Analysis | NWTPH-Gx | | 1 | 344663 | 12/03/20 02:05 | JSM | TAL SEA |

Eurofins TestAmerica, Seattle

Lab Chronicle

Client: Antea USA Inc.
Project/Site: ARCO Facility No. 00980

Job ID: 580-99238-1

Client Sample ID: MW-18.16_20201119

Lab Sample ID: 580-99238-9

Date Collected: 11/19/20 10:20

Matrix: Solid

Date Received: 11/20/20 11:55

Percent Solids: 86.1

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | 3546 | | | 344700 | 12/03/20 11:47 | S1S | TAL SEA |
| Total/NA | Analysis | NWTPH-Dx | | 1 | 344760 | 12/05/20 04:00 | ADB | TAL SEA |
| Total/NA | Prep | 3050B | | | 344241 | 11/28/20 08:11 | JCP | TAL SEA |
| Total/NA | Analysis | 6010D | | 1 | 344447 | 12/01/20 02:45 | TMH | TAL SEA |

Client Sample ID: Trip Blank_20201119

Lab Sample ID: 580-99238-10

Date Collected: 11/19/20 00:00

Matrix: Solid

Date Received: 11/20/20 11:55

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | 5035 | | | 344617 | 11/20/20 14:40 | JSM | TAL SEA |
| Total/NA | Analysis | 8260D | | 1 | 344651 | 12/02/20 18:20 | JSM | TAL SEA |
| Total/NA | Prep | 5035 | | | 344686 | 12/03/20 09:24 | JSM | TAL SEA |
| Total/NA | Analysis | NWTPH-Gx | | 1 | 344781 | 12/03/20 11:41 | JSM | TAL SEA |

Laboratory References:

TAL SEA = Eurofins TestAmerica, Seattle, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

Accreditation/Certification Summary

Client: Antea USA Inc.
Project/Site: ARCO Facility No. 00980

Job ID: 580-99238-1

Laboratory: Eurofins TestAmerica, Seattle

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

| Authority | Program | Identification Number | Expiration Date |
|------------|---------|-----------------------|-----------------|
| Washington | State | C553 | 02-18-21 |

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

| Analysis Method | Prep Method | Matrix | Analyte |
|-----------------|-------------|--------|------------------|
| 8260D | 5035 | Solid | n-Hexane |
| D 2216 | | Solid | Percent Moisture |
| D 2216 | | Solid | Percent Solids |



Method Summary

Client: Antea USA Inc.
Project/Site: ARCO Facility No. 00980

Job ID: 580-99238-1

| Method | Method Description | Protocol | Laboratory |
|----------|---|----------|------------|
| 8260D | Volatile Organic Compounds by GC/MS | SW846 | TAL SEA |
| NWTPH-Gx | Northwest - Volatile Petroleum Products (GC) | NWTPH | TAL SEA |
| NWTPH-Dx | Northwest - Semi-Volatile Petroleum Products (GC) | NWTPH | TAL SEA |
| 6010D | Metals (ICP) | SW846 | TAL SEA |
| D 2216 | Percent Moisture | ASTM | TAL SEA |
| 3050B | Preparation, Metals | SW846 | TAL SEA |
| 3546 | Microwave Extraction | SW846 | TAL SEA |
| 5035 | Closed System Purge and Trap | SW846 | TAL SEA |

Protocol References:

ASTM = ASTM International

NWTPH = Northwest Total Petroleum Hydrocarbon

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL SEA = Eurofins TestAmerica, Seattle, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

Sample Summary

Client: Antea USA Inc.
Project/Site: ARCO Facility No. 00980

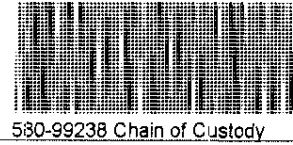
Job ID: 580-99238-1

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received | Asset ID |
|---------------|---------------------|--------|----------------|----------------|----------|
| 580-99238-1 | MW-17.5_20201117 | Solid | 11/17/20 11:10 | 11/20/20 11:55 | |
| 580-99238-2 | MW-18.5_20201117 | Solid | 11/17/20 12:19 | 11/20/20 11:55 | |
| 580-99238-3 | MW-19.3_20201117 | Solid | 11/17/20 13:30 | 11/20/20 11:55 | |
| 580-99238-4 | MW-17.10_20201118 | Solid | 11/18/20 12:00 | 11/20/20 11:55 | |
| 580-99238-5 | MW-17.15_20201118 | Solid | 11/18/20 12:10 | 11/20/20 11:55 | |
| 580-99238-6 | MW-19.10_20201118 | Solid | 11/18/20 14:30 | 11/20/20 11:55 | |
| 580-99238-7 | MW-19.5_20201119 | Solid | 11/19/20 10:00 | 11/20/20 11:55 | |
| 580-99238-8 | MW-18.12_20201119 | Solid | 11/19/20 10:10 | 11/20/20 11:55 | |
| 580-99238-9 | MW-18.16_20201119 | Solid | 11/19/20 10:20 | 11/20/20 11:55 | |
| 580-99238-10 | Trip Blank_20201119 | Solid | 11/19/20 00:00 | 11/20/20 11:55 | |

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Laboratory Management Program (LaMP) Chain of Custody
Soil, Sediment and Groundwater Samples



Loc: 580
99238

Page 1 of 2

BP Site Node Path: ARCO 980
BP/RM Facility No: ARCO Facility No. 00980

Req Due Date (mm/dd/yy): Standard TAT Rush TAT Yes No
Lab Work Order Number: _____

| | | |
|---|--|---|
| Lab Name: Test America | BP/ARC Facility Address: 10822 Roosevelt Way NE | Consultant/Contractor: Antea Group |
| Lab Address: 5755 8th Street East, Tacoma, WA 98424 | City, State, ZIP Code: Seattle, WA | Consultant/Contractor Project No: 00980SA201.20100 |
| Lab PM: Elaine Walker | WR329961/009VH-0006 Washington State Department of Ecology | Address: 2006 148th Ave NE, Redmond, WA 98052 |
| Lab Phone: 253.248.4972 | California Global ID No.: NA | Consultant/Contractor PM: Brad Jackson |
| Lab Shipping Acct: NA | Entos Proposal No: WR827288/009VH-0014 | Phone: 503-863-2114 Email: Brad.Jackson@anteagroup.com |
| Michael Dahlstrom Email: michaeldahlstrom@hotmail.com | | |
| Grace | | |
| Lab Bottle Order No: NA | Accounting Mode: Provision <input checked="" type="checkbox"/> OOC-BU <input type="checkbox"/> OOC-RM <input type="checkbox"/> | Send/Submit EDD to: Brad.Jackson@anteagroup.com |
| Other Info: elaine.walker@testamericainc.com | Stage <u>2_Select (20)</u> Activity Additional Data Collection (100) | Invoice To: BP-RM <input type="checkbox"/> BP/ARC <input checked="" type="checkbox"/> |

| Lab No. | Sample Description | Date | Time | Field Matrix | Start Depth | End Depth | Depth Unit | Grab (G) or Composite (C) | Total Number of Containers | Analysis | Requested Analyses | | | | | | | | | | Report Type & QC Level | Comments | |
|-------------------|--------------------|----------|------|--------------|-------------|-----------|------------|---------------------------|----------------------------|----------|--------------------|--------------------------------|----------|----------|-----------------------------|-----|-----|-------|-------|-------|------------------------|----------|-------|
| | | | | | | | | | | | ETEX by EPA 8260B | MTBE and n-hexane by EPA 8260B | NWTPH-GX | NWTPH-DX | Pb-T by EPA 60007000 Series | ELB | EDC | Other | Other | Other | | | Other |
| MW-17.5-20201117 | | 11/17/20 | 1110 | | | | | | 4 | | X | X | X | X | X | X | X | X | X | X | X | X | |
| MW-18.5-20201117 | | 11/17/20 | 1219 | | | | | | 4 | | X | X | X | X | X | X | X | X | X | X | X | X | |
| MW-19.3-20201117 | | 11/17/20 | 1330 | | | | | | 4 | | X | X | X | X | X | X | X | X | X | X | X | X | |
| MW-17.10-20201118 | | 11/18/20 | 1200 | | | | | | 4 | | X | X | X | X | X | X | X | X | X | X | X | X | |
| MW-17.15-20201118 | | 11/18/20 | 1210 | | | | | | 4 | | X | X | X | X | X | X | X | X | X | X | X | X | |
| MW-19.10-20201118 | | 11/18/20 | 1430 | | | | | | 4 | | X | X | X | X | X | X | X | X | X | X | X | X | |
| MW-19.5-20201119 | | 11/19/20 | 1000 | | | | | | 4 | | X | X | X | X | X | X | X | X | X | X | X | X | |

Therm ID: A1 Cor: -0.2° Unc: 0.7°
Cooler Dsc: LR FedEx: _____
Packing: SubsC UPS: _____
Cust. Seal: Yes No Lab Cour:
Blue Ice, Wet, Dry, None Other: _____

| | | | | | | |
|---|--|-----------------------|-------------------|--|-----------------------|-------------------|
| Sampler's Name: <u>Maurice Bernard/Nathan Han</u> | Relinquished By / Affiliation: <u>Nathan Han / Antea Group</u> | Date: <u>11/20/20</u> | Time: <u>1155</u> | Accepted By / Affiliation: <u>JR / Antea Group</u> | Date: <u>11/20/20</u> | Time: <u>1155</u> |
| Sampler's Company: Antea Group | | | | | | |
| Ship Method: | Ship Date: | | | | | |
| Shipment Tracking No: | | | | | | |

Special Instructions: Stir bars frozen: 11/17/20: 1510 and 11/18/20: 1730 and 11/19/20: 1625

THIS LINE - LAB USE ONLY: Custody Seals In Place: Yes / No | Temp Blank: Yes / No | Cooler Temp on Receipt: _____ *F/C | Trip Blank: Yes / No | MS/MSD Sample Submitted: Yes / No

Login Sample Receipt Checklist

Client: Antea USA Inc.

Job Number: 580-99238-1

Login Number: 99238

List Source: Eurofins TestAmerica, Seattle

List Number: 1

Creator: Hobbs, Kenneth F

| Question | Answer | Comment |
|---|--------|---------|
| Radioactivity wasn't checked or is \leq background as measured by a survey meter. | N/A | |
| The cooler's custody seal, if present, is intact. | True | |
| Sample custody seals, if present, are intact. | True | |
| The cooler or samples do not appear to have been compromised or tampered with. | True | |
| Samples were received on ice. | True | |
| Cooler Temperature is acceptable. | True | |
| Cooler Temperature is recorded. | True | |
| COC is present. | True | |
| COC is filled out in ink and legible. | True | |
| COC is filled out with all pertinent information. | True | |
| Is the Field Sampler's name present on COC? | True | |
| There are no discrepancies between the containers received and the COC. | True | |
| Samples are received within Holding Time (excluding tests with immediate HTs) | True | |
| Sample containers have legible labels. | True | |
| Containers are not broken or leaking. | True | |
| Sample collection date/times are provided. | True | |
| Appropriate sample containers are used. | True | |
| Sample bottles are completely filled. | True | |
| Sample Preservation Verified. | True | |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True | |
| Containers requiring zero headspace have no headspace or bubble is <math><6\text{mm}</math> (1/4"). | N/A | |
| Multiphasic samples are not present. | True | |
| Samples do not require splitting or compositing. | True | |
| Residual Chlorine Checked. | N/A | |

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-99238-1

SDG No.: _____

Batch Number: 344221 Batch Start Date: 11/27/20 15:05 Batch Analyst: Johal, Amanpreet S

Batch Method: 5035 Batch End Date: 11/27/20 15:07

| Lab Sample ID | Client Sample ID | Method Chain | Basis | TareWeight | Vial&SampleWt | InitialAmount | FinalAmount | VOAMasterMix 00062 | VoaSand 00069 |
|----------------------|------------------|--------------|-------|------------|---------------|---------------|-------------|-----------------------|---------------|
| MB 580-344221/1 | | 5035, 8260D | | | | 5 g | 5 mL | | 5 g |
| LCS 580-344221/2 | | 5035, 8260D | | | | 5 g | 5 mL | 2 uL | 5 g |
| LCSD 580-344221/3 | | 5035, 8260D | | | | 5 g | 5 mL | 2 uL | 5 g |
| 580-99238-C-1 | MW-17.5_20201117 | 5035, 8260D | T | +031.022 g | 35.67 g | 4.648 g | 5 mL | | |
| 580-99238-C-2 | MW-18.5_20201117 | 5035, 8260D | T | 30.321 g | 36.57 g | 6.249 g | 5 mL | | |
| 580-99238-C-3 | MW-19.3_20201117 | 5035, 8260D | T | 30.333 g | 36.57 g | 6.237 g | 5 mL | | |

| Batch Notes | |
|------------------------------|----------|
| Balance ID | SEA239 |
| Blank Matrix ID | 2668736 |
| Pipette/Syringe/Dispenser ID | BT4 |
| Preservative ID | DI WATER |
| Vial Lot Number | 0103101f |

| Basis | Basis Description |
|-------|-------------------|
| T | Total/NA |

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

8260D

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-99238-1

SDG No.: _____

Batch Number: 344412 Batch Start Date: 11/30/20 16:50 Batch Analyst: Johal, Amanpreet S

Batch Method: 5035 Batch End Date: 11/30/20 16:55

| Lab Sample ID | Client Sample ID | Method Chain | Basis | TareWeight | Vial&SampleWt | InitialAmount | FinalAmount | VOAMasterMix 00062 | VoaSand 00069 |
|----------------------|-----------------------|--------------|-------|------------|---------------|---------------|-------------|-----------------------|---------------|
| MB 580-344412/1 | | 5035, 8260D | | | | 5 g | 5 mL | | 5 g |
| LCS 580-344412/2 | | 5035, 8260D | | | | 5 g | 5 mL | 2 uL | 5 g |
| LCSD 580-344412/3 | | 5035, 8260D | | | | 5 g | 5 mL | 2 uL | 5 g |
| 580-99238-C-5 | MW-17.15_2020111 8 | 5035, 8260D | T | 31.267 g | 37.57 g | 6.303 g | 5 mL | | |
| 580-99238-C-6 | MW-19.10_2020111 8 | 5035, 8260D | T | 30.113 g | 36.13 g | 6.017 g | 5 mL | | |

| Batch Notes | |
|------------------------------|----------|
| Balance ID | SEA239 |
| Blank Matrix ID | 2668736 |
| Pipette/Syringe/Dispenser ID | BT4 |
| Vial Lot Number | 0103101f |

| Basis | Basis Description |
|-------|-------------------|
| T | Total/NA |

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

8260D

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-99238-1

SDG No.: _____

Batch Number: 344507 Batch Start Date: 12/01/20 17:11 Batch Analyst: Johal, Amanpreet S

Batch Method: 5035 Batch End Date: 12/01/20 17:13

| Lab Sample ID | Client Sample ID | Method Chain | Basis | TareWeight | Vial&SampleWt | InitialAmount | FinalAmount | VOAMasterMix 00062 | VoaSand 00069 |
|----------------------|-------------------|--------------|-------|------------|---------------|---------------|-------------|-----------------------|---------------|
| MB 580-344507/1 | | 5035, 8260D | | | | 5 g | 5 mL | | 5 g |
| LCS 580-344507/2 | | 5035, 8260D | | | | 5 g | 5 mL | 2 uL | 5 g |
| LCSD 580-344507/3 | | 5035, 8260D | | | | 5 g | 5 mL | 2 uL | 5 g |
| 580-99238-D-4 | MW-17.10_20201118 | 5035, 8260D | T | +031.081 g | 37.83 g | 6.749 g | 5 mL | | |
| 580-99238-D-7 | MW-19.5_20201119 | 5035, 8260D | T | +030.180 g | 37.13 g | 6.95 g | 5 mL | | |
| 580-99238-D-8 | MW-18.12_20201119 | 5035, 8260D | T | +030.144 g | 36.94 g | 6.796 g | 5 mL | | |

| Batch Notes | |
|------------------------------|----------|
| Balance ID | SEA239 |
| Blank Matrix ID | 2668736 |
| Pipette/Syringe/Dispenser ID | BT4 |
| Vial Lot Number | 0103101f |

| Basis | Basis Description |
|-------|-------------------|
| T | Total/NA |

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

8260D

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-99238-1

SDG No.: _____

Batch Number: 344617 Batch Start Date: 12/02/20 15:13 Batch Analyst: McKell, Justin S

Batch Method: 5035 Batch End Date: _____

| Lab Sample ID | Client Sample ID | Method Chain | Basis | TareWeight | Vial&SampleWt | InitialAmount | FinalAmount | VOAMasterMix 00062 | VoaSand 00069 |
|----------------------|------------------------|--------------|-------|------------|---------------|---------------|-------------|-----------------------|---------------|
| MB 580-344617/1 | | 5035, 8260D | | | | 5 g | 5 mL | | 5 g |
| LCS 580-344617/2 | | 5035, 8260D | | | | 5 g | 5 mL | 2 uL | 5 g |
| LCSD 580-344617/3 | | 5035, 8260D | | | | 5 g | 5 mL | 2 uL | 5 g |
| 580-99238-C-9 | MW-18.16_20201119 | 5035, 8260D | T | 30.235 g | 37.52 g | 7.285 g | 5 mL | | |
| 580-99238-B-10 | Trip Blank 20201119 | 5035, 8260D | T | | | 5 g | 5 mL | | |

| Batch Notes | |
|------------------------------|---------|
| Balance ID | sea239 |
| Blank Matrix ID | 2668736 |
| Pipette/Syringe/Dispenser ID | bt4 |
| Preservative ID | di h2o |

| Basis | Basis Description |
|-------|-------------------|
| T | Total/NA |

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

8260D

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-99238-1

SDG No.: _____

Batch Number: 344707 Batch Start Date: 12/03/20 12:44 Batch Analyst: McKell, Justin S

Batch Method: 5035 Batch End Date: 12/03/20 12:48

| Lab Sample ID | Client Sample ID | Method Chain | Basis | TareWeight | Vial&SampleWt | InitialAmount | FinalAmount | VOAMasterMix 00062 | VoaSand 00069 |
|----------------------|------------------|--------------|-------|------------|---------------|---------------|-------------|-----------------------|---------------|
| MB 580-344707/1 | | 5035, 8260D | | | | 5 g | 5 mL | | 5 g |
| LCS 580-344707/2 | | 5035, 8260D | | | | 5 g | 5 mL | 2 uL | 5 g |
| LCSD 580-344707/3 | | 5035, 8260D | | | | 5 g | 5 mL | 2 uL | 5 g |
| 580-99238-D-1 | MW-17.5_20201117 | 5035, 8260D | T | 31.133 g | 36.23 g | 5.097 g | 5 mL | | |
| 580-99238-D-2 | MW-18.5_20201117 | 5035, 8260D | T | 30.218 g | 36.58 g | 6.362 g | 5 mL | | |
| 580-99238-D-3 | MW-19.3_20201117 | 5035, 8260D | T | 31.081 g | 38.63 g | 7.549 g | 5 mL | | |

| Lab Sample ID | Client Sample ID | Method Chain | Basis | AnalysisComment | | | | | |
|----------------------|------------------|--------------|-------|-----------------|--|--|--|--|--|
| MB 580-344707/1 | | 5035, 8260D | | | | | | | |
| LCS 580-344707/2 | | 5035, 8260D | | | | | | | |
| LCSD 580-344707/3 | | 5035, 8260D | | | | | | | |
| 580-99238-D-1 | MW-17.5_20201117 | 5035, 8260D | T | | | | | | |
| 580-99238-D-2 | MW-18.5_20201117 | 5035, 8260D | T | over | | | | | |
| 580-99238-D-3 | MW-19.3_20201117 | 5035, 8260D | T | over | | | | | |

| Batch Notes | |
|------------------------------|---------|
| Balance ID | sea239 |
| Blank Matrix ID | 2668736 |
| Pipette/Syringe/Dispenser ID | bt4 |
| Preservative ID | di h2o |

| Basis | Basis Description |
|-------|-------------------|
| T | Total/NA |

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-99238-1

SDG No.: _____

Batch Number: 344085 Batch Start Date: 11/25/20 14:59 Batch Analyst: McKell, Justin S

Batch Method: 5035 Batch End Date: _____

| Lab Sample ID | Client Sample ID | Method Chain | Basis | TareWeight | Vial&SampleWt | MeOHSubtraction | MeOHVol | InitialAmount | FinalAmount |
|----------------------|------------------|-------------------|-------|------------|---------------|-----------------|---------|---------------|-------------|
| MB 580-344085/1 | | 5035, NWTPH-Gx | | | | | | 10 g | 10 mL |
| LCS 580-344085/2 | | 5035, NWTPH-Gx | | | | | | 10 g | 10 mL |
| LCSD 580-344085/3 | | 5035, NWTPH-Gx | | | | | | 10 g | 10 mL |
| 580-99238-B-1 | MW-17.5_20201117 | 5035, NWTPH-Gx | T | 31.327 g | 41.02 g | No | 10 mL | 9.693 g | 10 mL |

| Lab Sample ID | Client Sample ID | Method Chain | Basis | GRO_LCS 00064 | V2.4TFFT-EX 00061 | VoaSand 00069 | | | |
|----------------------|------------------|-------------------|-------|---------------|----------------------|---------------|--|--|--|
| MB 580-344085/1 | | 5035, NWTPH-Gx | | | 10 mL | 10 g | | | |
| LCS 580-344085/2 | | 5035, NWTPH-Gx | | 200 uL | 10 mL | 10 g | | | |
| LCSD 580-344085/3 | | 5035, NWTPH-Gx | | 200 uL | 10 mL | 10 g | | | |
| 580-99238-B-1 | MW-17.5_20201117 | 5035, NWTPH-Gx | T | | | | | | |

| Batch Notes | |
|------------------------------|----------|
| Balance ID | SEA239 |
| Batch Comment | 2574842 |
| Blank Matrix ID | 2668736 |
| Pipette/Syringe/Dispenser ID | BT5 |
| Vial Lot Number | 0103101f |

| Basis | Basis Description |
|-------|-------------------|
| T | Total/NA |

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

NWTPH-Gx

GC VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-99238-1

SDG No.: _____

Batch Number: 344456 Batch Start Date: 12/01/20 12:19 Batch Analyst: McKell, Justin S

Batch Method: 5035 Batch End Date: 12/01/20 12:25

| Lab Sample ID | Client Sample ID | Method Chain | Basis | TareWeight | Vial&SampleWt | MeOHSubtraction | MeOHVol | InitialAmount | FinalAmount |
|----------------------|------------------|-------------------|-------|------------|---------------|-----------------|---------|---------------|-------------|
| MB 580-344456/1 | | 5035, NWTPH-Gx | | | | | | 10 g | 10 mL |
| LCS 580-344456/2 | | 5035, NWTPH-Gx | | | | | | 10 g | 10 mL |
| LCSD 580-344456/3 | | 5035, NWTPH-Gx | | | | | | 10 g | 10 mL |
| 580-99238-B-2 | MW-18.5_20201117 | 5035, NWTPH-Gx | T | 31.141 g | 42.74 g | No | 10 mL | 11.599 g | 10 mL |
| 580-99238-B-3 | MW-19.3_20201117 | 5035, NWTPH-Gx | T | 31.548 g | 43.73 g | No | 10 mL | 12.182 g | 10 mL |

| Lab Sample ID | Client Sample ID | Method Chain | Basis | GRO_LCS 00064 | V2.4TFT-EX 00061 | AnalysisComment | | | |
|----------------------|------------------|-------------------|-------|---------------|---------------------|-----------------|--|--|--|
| MB 580-344456/1 | | 5035, NWTPH-Gx | | | 10 mL | | | | |
| LCS 580-344456/2 | | 5035, NWTPH-Gx | | 200 uL | 10 mL | | | | |
| LCSD 580-344456/3 | | 5035, NWTPH-Gx | | 200 uL | 10 mL | | | | |
| 580-99238-B-2 | MW-18.5_20201117 | 5035, NWTPH-Gx | T | | | | | | |
| 580-99238-B-3 | MW-19.3_20201117 | 5035, NWTPH-Gx | T | | | over | | | |

| Batch Notes | |
|------------------------------|----------|
| Balance ID | sea239 |
| Batch Comment | 2574842 |
| Blank Matrix ID | 2668736 |
| Pipette/Syringe/Dispenser ID | bt7 |
| Vial Lot Number | 0103101F |

| Basis | Basis Description |
|-------|-------------------|
| T | Total/NA |

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

NWTPH-Gx

GC VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-99238-1

SDG No.: _____

Batch Number: 344580 Batch Start Date: 12/02/20 12:40 Batch Analyst: McKell, Justin S

Batch Method: 5035 Batch End Date: 12/02/20 12:47

| Lab Sample ID | Client Sample ID | Method Chain | Basis | TareWeight | Vial&SampleWt | MeOHSubtraction | MeOHVol | InitialAmount | FinalAmount |
|----------------------|-------------------|-------------------|-------|------------|---------------|-----------------|---------|---------------|-------------|
| LCS 580-344580/1 | | 5035, NWTPH-Gx | | | | | | 10 g | 10 mL |
| LCSD 580-344580/2 | | 5035, NWTPH-Gx | | | | | | 10 g | 10 mL |
| MB 580-344580/3 | | 5035, NWTPH-Gx | | | | | | 10 g | 10 mL |
| 580-99238-B-4 | MW-17.10_20201118 | 5035, NWTPH-Gx | T | 31.181 g | 43.53 g | No | 10 mL | 12.349 g | 10 mL |
| 580-99238-B-5 | MW-17.15_20201118 | 5035, NWTPH-Gx | T | 31.159 g | 44.05 g | No | 10 mL | 12.891 g | 10 mL |
| 580-99238-B-6 | MW-19.10_20201118 | 5035, NWTPH-Gx | T | 31.668 g | 43.25 g | No | 10 mL | 11.582 g | 10 mL |
| 580-99238-B-7 | MW-19.5_20201119 | 5035, NWTPH-Gx | T | 30.944 g | 41.43 g | No | 10 mL | 10.486 g | 10 mL |
| 580-99238-B-8 | MW-18.12_20201119 | 5035, NWTPH-Gx | T | 31.172 g | 41.17 g | No | 10 mL | 9.998 g | 10 mL |
| 580-99238-B-9 | MW-18.16_20201119 | 5035, NWTPH-Gx | T | 31.396 g | 44.01 g | No | 10 mL | 12.614 g | 10 mL |

| Lab Sample ID | Client Sample ID | Method Chain | Basis | GRO_LCS 00064 | V2.4TFFT-EX 00061 | VoaSand 00069 | AnalysisComment | | |
|----------------------|-------------------|-------------------|-------|---------------|-------------------|---------------|-----------------|--|--|
| LCS 580-344580/1 | | 5035, NWTPH-Gx | | 200 uL | 10 mL | 10 g | | | |
| LCSD 580-344580/2 | | 5035, NWTPH-Gx | | 200 uL | 10 mL | 10 g | | | |
| MB 580-344580/3 | | 5035, NWTPH-Gx | | | 10 mL | 10 g | | | |
| 580-99238-B-4 | MW-17.10_20201118 | 5035, NWTPH-Gx | T | | | | over | | |
| 580-99238-B-5 | MW-17.15_20201118 | 5035, NWTPH-Gx | T | | | | over | | |
| 580-99238-B-6 | MW-19.10_20201118 | 5035, NWTPH-Gx | T | | | | | | |
| 580-99238-B-7 | MW-19.5_20201119 | 5035, NWTPH-Gx | T | | | | | | |
| 580-99238-B-8 | MW-18.12_20201119 | 5035, NWTPH-Gx | T | | | | | | |
| 580-99238-B-9 | MW-18.16_20201119 | 5035, NWTPH-Gx | T | | | | over | | |

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

NWTPH-Gx

GC VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-99238-1

SDG No.: _____

Batch Number: 344580 Batch Start Date: 12/02/20 12:40 Batch Analyst: McKell, Justin S

Batch Method: 5035 Batch End Date: 12/02/20 12:47

| Batch Notes | |
|------------------------------|----------|
| Balance ID | SEA239 |
| Blank Matrix ID | 2668736 |
| Pipette/Syringe/Dispenser ID | BT7 |
| Vial Lot Number | 0103101F |

| Basis | Basis Description |
|-------|-------------------|
| T | Total/NA |

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

NWTPH-Gx



GC VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-99238-1

SDG No.: _____

Batch Number: 344686 Batch Start Date: 12/03/20 09:24 Batch Analyst: McKell, Justin S

Batch Method: 5035 Batch End Date: 12/03/20 09:30

| Lab Sample ID | Client Sample ID | Method Chain | Basis | MeOHSubtraction | MeOHVol | InitialAmount | FinalAmount | GRO_LCS 00064 | V2.4TFT-EX 00061 |
|-------------------|---------------------|----------------|-------|-----------------|---------|---------------|-------------|---------------|------------------|
| MB 580-344686/1 | | 5035, NWTPH-Gx | | | | 10 g | 10 mL | | 10 mL |
| LCS 580-344686/2 | | 5035, NWTPH-Gx | | | | 10 g | 10 mL | 200 uL | 10 mL |
| LCSD 580-344686/3 | | 5035, NWTPH-Gx | | | | 10 g | 10 mL | 200 uL | 10 mL |
| 580-99238-A-10 | Trip Blank 20201119 | 5035, NWTPH-Gx | T | No | 10 mL | 10 g | 10 mL | | |

| Lab Sample ID | Client Sample ID | Method Chain | Basis | VoaSand 00069 | | | | | |
|-------------------|---------------------|----------------|-------|---------------|--|--|--|--|--|
| MB 580-344686/1 | | 5035, NWTPH-Gx | | 10 g | | | | | |
| LCS 580-344686/2 | | 5035, NWTPH-Gx | | 10 g | | | | | |
| LCSD 580-344686/3 | | 5035, NWTPH-Gx | | 10 g | | | | | |
| 580-99238-A-10 | Trip Blank 20201119 | 5035, NWTPH-Gx | T | | | | | | |

| Batch Notes | |
|------------------------------|----------|
| Balance ID | sea239 |
| Batch Comment | 2574842 |
| Blank Matrix ID | 2668736 |
| Pipette/Syringe/Dispenser ID | bt7 |
| Vial Lot Number | 0103101F |

| Basis | Basis Description |
|-------|-------------------|
| T | Total/NA |

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-99238-1

SDG No.: _____

Batch Number: 344508 Batch Start Date: 12/01/20 17:22 Batch Analyst: Salehnia, Sonya 1

Batch Method: 3546 Batch End Date: 12/02/20 15:07

| Lab Sample ID | Client Sample ID | Method Chain | Basis | InitialAmount | FinalAmount | TPH Spike_RZ 00105 | TPH_SURR 00054 | | |
|----------------------|------------------|-------------------|-------|---------------|-------------|-----------------------|----------------|--|--|
| MB 580-344508/1 | | 3546, NWTPH-Dx | | 10 g | 10 mL | | 100 uL | | |
| LCS 580-344508/2 | | 3546, NWTPH-Dx | | 10 g | 10 mL | 100 uL | 100 uL | | |
| LCSD 580-344508/3 | | 3546, NWTPH-Dx | | 10 g | 10 mL | 100 uL | 100 uL | | |
| 580-99238-A-1 | MW-17.5_20201117 | 3546, NWTPH-Dx | T | 10.001 g | 10 mL | | 100 uL | | |
| 580-99238-A-1 DU | MW-17.5_20201117 | 3546, NWTPH-Dx | T | 10.194 g | 10 mL | | 100 uL | | |
| 580-99238-A-2 | MW-18.5_20201117 | 3546, NWTPH-Dx | T | 10.431 g | 10 mL | | 100 uL | | |
| 580-99238-A-3 | MW-19.3_20201117 | 3546, NWTPH-Dx | T | 10.107 g | 10 mL | | 100 uL | | |

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

NWTPH-Dx

GC SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-99238-1

SDG No.: _____

Batch Number: 344508 Batch Start Date: 12/01/20 17:22 Batch Analyst: Salehnia, Sonya 1

Batch Method: 3546 Batch End Date: 12/02/20 15:07

| Batch Notes | |
|---|-----------------------------------|
| Balance ID | sea232 |
| Batch Comment | hydromatrix: 2587992; Vial by: CH |
| Blank Matrix ID | 2760179 |
| Analyst ID - Concentration | CH |
| Concentration 1 Corrected Temperature | 69.9-74.9 Degrees C |
| Equipment ID - Concentration 1 | Steam bath 2 |
| Analyst ID - Extraction | ss |
| Filter ID | 2707788 |
| Method/Fraction | 3546/dx |
| Microwave Oven ID | mars3 |
| Microwave Program ID | standard |
| Na2SO4 ID | 2744776 |
| Pipette/Syringe/Dispenser ID | mp4 |
| Prep Solvent ID | 2762419 |
| Analyst ID - Spike Analyst | ss |
| Analyst ID - Spike Witness Analyst | ch |
| Sufficient Volume for Batch QC | yes |
| Thermometer ID - Concentration 1 | 661200 |
| Concentration 1 Uncorrected Temperature | 70-75 Degrees C |
| Vial Lot Number | 24158478 |

| Basis | Basis Description |
|-------|-------------------|
| T | Total/NA |

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-99238-1

SDG No.: _____

Batch Number: 344659 Batch Start Date: 12/02/20 17:53 Batch Analyst: Laplace, Richard J

Batch Method: 3546 Batch End Date: 12/03/20 20:52

| Lab Sample ID | Client Sample ID | Method Chain | Basis | InitialAmount | FinalAmount | TPH Spike_RZ 00105 | TPH_SURR 00054 | | |
|----------------------|-----------------------|-------------------|-------|---------------|-------------|-----------------------|----------------|--|--|
| MB 580-344659/1 | | 3546, NWTPH-Dx | | 10 g | 10 mL | | 100 uL | | |
| LCS 580-344659/2 | | 3546, NWTPH-Dx | | 10 g | 10 mL | 100 uL | 100 uL | | |
| LCSD 580-344659/3 | | 3546, NWTPH-Dx | | 10 g | 10 mL | 100 uL | 100 uL | | |
| 580-99238-A-4 | MW-17.10_2020111 8 | 3546, NWTPH-Dx | T | 10.886 g | 10 mL | | 100 uL | | |
| 580-99238-A-5 | MW-17.15_2020111 8 | 3546, NWTPH-Dx | T | 10.036 g | 10 mL | | 100 uL | | |
| 580-99238-A-6 | MW-19.10_2020111 8 | 3546, NWTPH-Dx | T | 10.262 g | 10 mL | | 100 uL | | |

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

NWTPH-Dx

GC SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-99238-1

SDG No.: _____

Batch Number: 344659 Batch Start Date: 12/02/20 17:53 Batch Analyst: Laplace, Richard J

Batch Method: 3546 Batch End Date: 12/03/20 20:52

| Batch Notes | |
|---|-----------------------------------|
| Balance ID | sea232 |
| Batch Comment | hydromatrix: 2587992; Vial by: ss |
| Blank Matrix ID | 2760179 |
| Analyst ID - Concentration | ss |
| Concentration 1 Corrected Temperature | 69.9-74.9 Degrees C |
| Equipment ID - Concentration 1 | Steam bath 2 |
| Analyst ID - Extraction | rjl |
| Filter ID | 2707788 |
| Method/Fraction | 3546/dx |
| Microwave Oven ID | mars1 |
| Microwave Program ID | standard |
| Na2SO4 ID | 2744776 |
| Pipette/Syringe/Dispenser ID | mp4 |
| Prep Solvent ID | 2762419 |
| Analyst ID - Spike Analyst | rjl |
| Analyst ID - Spike Witness Analyst | ch |
| Sufficient Volume for Batch QC | yes |
| Thermometer ID - Concentration 1 | 661200 |
| Concentration 1 Uncorrected Temperature | 70-75 Degrees C |
| Vial Lot Number | 24158478 |

| Basis | Basis Description |
|-------|-------------------|
| T | Total/NA |

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-99238-1

SDG No.: _____

Batch Number: 344700 Batch Start Date: 12/03/20 11:47 Batch Analyst: Salehnia, Sonya 1

Batch Method: 3546 Batch End Date: 12/03/20 21:10

| Lab Sample ID | Client Sample ID | Method Chain | Basis | InitialAmount | FinalAmount | TPH Spike_RZ 00105 | TPH_SURR 00054 | | |
|----------------------|-------------------|-------------------|-------|---------------|-------------|-----------------------|----------------|--|--|
| MB 580-344700/1 | | 3546, NWTPH-Dx | | 10 g | 10 mL | | 100 uL | | |
| LCS 580-344700/2 | | 3546, NWTPH-Dx | | 10 g | 10 mL | 100 uL | 100 uL | | |
| LCSD 580-344700/3 | | 3546, NWTPH-Dx | | 10 g | 10 mL | 100 uL | 100 uL | | |
| 580-99238-A-7 | MW-19.5_20201119 | 3546, NWTPH-Dx | T | 10.680 g | 10 mL | | 100 uL | | |
| 580-99238-A-8 | MW-18.12_20201119 | 3546, NWTPH-Dx | T | 10.531 g | 10 mL | | 100 uL | | |
| 580-99238-A-9 | MW-18.16_20201119 | 3546, NWTPH-Dx | T | 10.183 g | 10 mL | | 100 uL | | |

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

NWTPH-Dx

GC SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-99238-1

SDG No.: _____

Batch Number: 344700 Batch Start Date: 12/03/20 11:47 Batch Analyst: Salehnia, Sonya 1

Batch Method: 3546 Batch End Date: 12/03/20 21:10

| Batch Notes | |
|---|-------------------------------------|
| Balance ID | sea232 |
| Batch Comment | hydromatrix: 2587992; viald by: rjl |
| Blank Matrix ID | 2760179 |
| Analyst ID - Concentration | rjl |
| Concentration 1 Corrected Temperature | 69.4-74.4 Degrees C |
| Analyst ID - Clean Up | rjl |
| Equipment ID - Concentration 1 | steambath 1 |
| Analyst ID - Extraction | ss |
| Filter ID | 2707788 |
| Method/Fraction | 3546/dx |
| Microwave Oven ID | mars1 |
| Microwave Program ID | Fuels 01 Xpress |
| Na2SO4 ID | 2744776 |
| Pipette/Syringe/Dispenser ID | mp4 |
| Prep Solvent ID | 2762419 |
| Silica Gel ID | 2674937 |
| Analyst ID - Spike Analyst | ss |
| Analyst ID - Spike Witness Analyst | ch |
| Sufficient Volume for Batch QC | yes |
| Thermometer ID - Concentration 1 | 61013-040-1 |
| Concentration 1 Uncorrected Temperature | 70-75 Degrees C |
| Vial Lot Number | 24158478 |

| Basis | Basis Description |
|-------|-------------------|
| T | Total/NA |

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-99238-1

SDG No.: _____

Batch Number: 344241 Batch Start Date: 11/28/20 08:11 Batch Analyst: Pimentel, Joy C

Batch Method: 3050B Batch End Date: 11/28/20 09:58

| Lab Sample ID | Client Sample ID | Method Chain | Basis | InitialAmount | FinalAmount | ICP CAL 1 00009 | ICP CAL 2 00008 | MET Spike 3C 00024 | |
|-----------------------|-------------------|--------------|-------|---------------|-------------|-----------------|-----------------|--------------------|--|
| 580-99238-A-1 | MW-17.5_20201117 | 3050B, 6010D | T | 1.4757 g | 50 mL | | | | |
| 580-99238-A-1 DU | MW-17.5_20201117 | 3050B, 6010D | T | 1.4565 g | 50 mL | | | | |
| 580-99238-A-1 MS | MW-17.5_20201117 | 3050B, 6010D | T | 1.4747 g | 50 mL | 0.5 mL | 0.5 mL | 0.5 mL | |
| 580-99238-A-1 MSD | MW-17.5_20201117 | 3050B, 6010D | T | 1.4851 g | 50 mL | 0.5 mL | 0.5 mL | 0.5 mL | |
| 580-99238-A-2 | MW-18.5_20201117 | 3050B, 6010D | T | 1.4233 g | 50 mL | | | | |
| 580-99238-A-3 | MW-19.3_20201117 | 3050B, 6010D | T | 1.3155 g | 50 mL | | | | |
| 580-99238-A-4 | MW-17.10_20201118 | 3050B, 6010D | T | 1.4164 g | 50 mL | | | | |
| 580-99238-A-5 | MW-17.15_20201118 | 3050B, 6010D | T | 1.3243 g | 50 mL | | | | |
| 580-99238-A-6 | MW-19.10_20201118 | 3050B, 6010D | T | 1.3662 g | 50 mL | | | | |
| 580-99238-A-7 | MW-19.5_20201119 | 3050B, 6010D | T | 1.5841 g | 50 mL | | | | |
| 580-99238-A-8 | MW-18.12_20201119 | 3050B, 6010D | T | 1.5780 g | 50 mL | | | | |
| 580-99238-A-9 | MW-18.16_20201119 | 3050B, 6010D | T | 1.4746 g | 50 mL | | | | |
| MB 580-344241/24 | | 3050B, 6010D | | 1.0 g | 50 mL | | | | |
| LCS 580-344241/25 | | 3050B, 6010D | | 1.0 g | 50 mL | 0.5 mL | 0.5 mL | 0.5 mL | |
| LCSD 580-344241/26 | | 3050B, 6010D | | 1.0 g | 50 mL | 0.5 mL | 0.5 mL | 0.5 mL | |

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

6010D

METALS BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-99238-1

SDG No.: _____

Batch Number: 344241 Batch Start Date: 11/28/20 08:11 Batch Analyst: Pimentel, Joy C

Batch Method: 3050B Batch End Date: 11/28/20 09:58

| Batch Notes | |
|-----------------------------------|------------------|
| Balance ID | SEA228 |
| Blank Soil Lot Number | 2062632 |
| Temperature - Corrected - End | 94.5 Degrees C |
| Temperature - Corrected - Start | 94.5 Degrees C |
| Digestion End Time | 11/28/2020 09:58 |
| Digestion Start Time | 11/28/2020 08:58 |
| Digestion Unit ID | BLOCK A |
| Digestion Tube/Cup ID | 2535260 |
| Hydrogen Peroxide ID | 2698554 |
| Hydrochloric Acid ID | 2723687 |
| Nitric Acid ID | 2712015 |
| Nominal Amount Used | 1.0 g |
| Pipette/Syringe/Dispenser ID | METALS-PREP-2 |
| Analyst ID - Spike Analyst | see above |
| Sufficient Volume for Batch QC | yes |
| Thermometer Location ID | A5 |
| Thermometer ID | 1108438 |
| Temperature - Uncorrected - End | 95 Degrees C |
| Temperature - Uncorrected - Start | 95 Degrees C |

| Basis | Basis Description |
|-------|-------------------|
| T | Total/NA |

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

6010D

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-99238-1

SDG No.: _____

Batch Number: 344466 Batch Start Date: 12/01/20 13:22 Batch Analyst: Salehnia, Sonya 1

Batch Method: D 2216 Batch End Date: 12/02/20 09:59

| Lab Sample ID | Client Sample ID | Method Chain | Basis | DishWeight | SampleMassWet | SampleMassDry | | | |
|---------------|-------------------|--------------|-------|------------|---------------|---------------|--|--|--|
| 580-99238-A-1 | MW-17.5_20201117 | D 2216 | T | 0.834 g | 7.995 g | 7.191 g | | | |
| 580-99238-A-2 | MW-18.5_20201117 | D 2216 | T | 0.829 g | 7.280 g | 5.937 g | | | |
| 580-99238-A-3 | MW-19.3_20201117 | D 2216 | T | 0.822 g | 9.342 g | 8.559 g | | | |
| 580-99238-A-4 | MW-17.10_20201118 | D 2216 | T | 0.825 g | 7.581 g | 7.115 g | | | |
| 580-99238-A-5 | MW-17.15_20201118 | D 2216 | T | 0.829 g | 9.542 g | 8.866 g | | | |
| 580-99238-A-6 | MW-19.10_20201118 | D 2216 | T | 0.831 g | 10.672 g | 10.039 g | | | |
| 580-99238-A-7 | MW-19.5_20201119 | D 2216 | T | 0.824 g | 10.449 g | 8.680 g | | | |
| 580-99238-A-8 | MW-18.12_20201119 | D 2216 | T | 0.822 g | 13.150 g | 11.718 g | | | |
| 580-99238-A-9 | MW-18.16_20201119 | D 2216 | T | 0.807 g | 8.451 g | 7.386 g | | | |

| Batch Notes | |
|--------------------------------------|------------------|
| Balance ID | sea232 |
| Date samples were placed in the oven | 12/01/2020 |
| Oven Temp In | 111.9 Degrees C |
| Time samples were place in the oven | 17:21 |
| Date samples were removed from oven | 12/02/2020 |
| Oven Temp Out | 115.3 Degrees C |
| Time Samples were removed from oven | 09:32 |
| Oven ID | oven2 |
| Thermometer ID | digital read out |
| Temperature - Start - Uncorrected | 110.0 Degrees C |
| Temperature - End - Uncorrected | 113.4 Degrees C |

| Basis | Basis Description |
|-------|-------------------|
| T | Total/NA |

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

Subsurface Investigation Report
ARCO Facility No. 980
February 19, 2021



Appendix E - Groundwater Laboratory Analytical Report and Chain-of-Custody Documentation

ANALYTICAL REPORT

Eurofins TestAmerica, Seattle
5755 8th Street East
Tacoma, WA 98424
Tel: (253)922-2310

Laboratory Job ID: 580-99804-1
Client Project/Site: BP -ARCO 980

For:

Antea USA Inc.
4006 148th Ave NE
Redmond, Washington 98052

Attn: Megan Richard

M. Elaine Walker

Authorized for release by:
12/30/2020 2:22:06 PM

Elaine Walker, Project Manager II
(253)248-4972
m.elaine.walker@eurofinset.com

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The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

The results listed within this Laboratory Report pertain only to the samples tested in the laboratory. The analyses contained in this report were performed in accordance with the BPLAMP Technical Specifications, applicable federal, state, local regulations and certification requirements as well as the methodologies as described in laboratory SOPs reviewed by the BPLAMP. This Laboratory Report is confidential and is intended for the sole use of Eurofins TestAmerica and its client. This report shall not be reproduced, except in full, without written permission from TestAmerica. The signature on the cover page extends to the case narrative and all the data and forms in the package. The Chain of Custody is included and is an integral part of this report.



Elaine Walker
Project Manager II
12/30/2020 2:22:06 PM



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Definitions/Glossary

Client: Antea USA Inc.
Project/Site: BP -ARCO 980

Job ID: 580-99804-1

Qualifiers

GC Semi VOA

| Qualifier | Qualifier Description |
|-----------|--|
| S1- | Surrogate recovery exceeds control limits, low biased. |

Glossary

| Abbreviation | These commonly used abbreviations may or may not be present in this report. |
|----------------|---|
| α | Listed under the "D" column to designate that the result is reported on a dry weight basis |
| %R | Percent Recovery |
| CFL | Contains Free Liquid |
| CFU | Colony Forming Unit |
| CNF | Contains No Free Liquid |
| DER | Duplicate Error Ratio (normalized absolute difference) |
| Dil Fac | Dilution Factor |
| DL | Detection Limit (DoD/DOE) |
| DL, RA, RE, IN | Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample |
| DLC | Decision Level Concentration (Radiochemistry) |
| EDL | Estimated Detection Limit (Dioxin) |
| LOD | Limit of Detection (DoD/DOE) |
| LOQ | Limit of Quantitation (DoD/DOE) |
| MCL | EPA recommended "Maximum Contaminant Level" |
| MDA | Minimum Detectable Activity (Radiochemistry) |
| MDC | Minimum Detectable Concentration (Radiochemistry) |
| MDL | Method Detection Limit |
| ML | Minimum Level (Dioxin) |
| MPN | Most Probable Number |
| MQL | Method Quantitation Limit |
| NC | Not Calculated |
| ND | Not Detected at the reporting limit (or MDL or EDL if shown) |
| NEG | Negative / Absent |
| POS | Positive / Present |
| PQL | Practical Quantitation Limit |
| PRES | Presumptive |
| QC | Quality Control |
| RER | Relative Error Ratio (Radiochemistry) |
| RL | Reporting Limit or Requested Limit (Radiochemistry) |
| RPD | Relative Percent Difference, a measure of the relative difference between two points |
| TEF | Toxicity Equivalent Factor (Dioxin) |
| TEQ | Toxicity Equivalent Quotient (Dioxin) |
| TNTC | Too Numerous To Count |

Case Narrative

Client: Antea USA Inc.
Project/Site: BP -ARCO 980

Job ID: 580-99804-1

Job ID: 580-99804-1

Laboratory: Eurofins TestAmerica, Seattle

Narrative

Job Narrative 580-99804-1

Receipt

Four samples were received on 12/15/2020 12:00 PM; the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was -0.6° C.

Receipt Exceptions

The container labels for 2 VOA vials for the following sample did not match the information listed on the Chain-of-Custody (COC): MW-18_8.47_20201214 (580-99804-2). One container labels lists MW-17, the other lists MSW-19 while the COC lists MW-18. All other information, including the rest of the ID, are correct and match.

GC/MS VOA

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC VOA

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC Semi VOA

Method NWTPH-Dx: Surrogate recovery for the following sample was outside control limits: MW-18_8.47_20201214 (580-99804-2). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Metals

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Detection Summary

Client: Antea USA Inc.
Project/Site: BP -ARCO 980

Job ID: 580-99804-1

Client Sample ID: MW-17_11.10_20201214

Lab Sample ID: 580-99804-1

No Detections.

Client Sample ID: MW-18_8.47_20201214

Lab Sample ID: 580-99804-2

No Detections.

Client Sample ID: MW-19_8.17_20201214

Lab Sample ID: 580-99804-3

No Detections.

Client Sample ID: Trip Blank_20201214

Lab Sample ID: 580-99804-4

No Detections.

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Seattle

Client Sample Results

Client: Antea USA Inc.
Project/Site: BP -ARCO 980

Job ID: 580-99804-1

Client Sample ID: MW-17_11.10_20201214

Lab Sample ID: 580-99804-1

Date Collected: 12/14/20 10:00

Matrix: Water

Date Received: 12/15/20 12:00

Method: 8260D - Volatile Organic Compounds by GC/MS

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------|--------|-----------|-----|-----|------|---|----------|----------------|---------|
| Benzene | ND | | 3.0 | | ug/L | | | 12/22/20 03:51 | 1 |
| Toluene | ND | | 2.0 | | ug/L | | | 12/22/20 03:51 | 1 |
| Ethylbenzene | ND | | 3.0 | | ug/L | | | 12/22/20 03:51 | 1 |
| m-Xylene & p-Xylene | ND | | 3.0 | | ug/L | | | 12/22/20 03:51 | 1 |
| o-Xylene | ND | | 2.0 | | ug/L | | | 12/22/20 03:51 | 1 |
| Xylenes, Total | ND | | 3.0 | | ug/L | | | 12/22/20 03:51 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| Toluene-d8 (Surr) | 95 | | 80 - 120 | | 12/22/20 03:51 | 1 |
| 1,2-Dichloroethane-d4 (Surr) | 112 | | 80 - 126 | | 12/22/20 03:51 | 1 |
| 4-Bromofluorobenzene (Surr) | 87 | | 80 - 120 | | 12/22/20 03:51 | 1 |
| Dibromofluoromethane (Surr) | 114 | | 80 - 120 | | 12/22/20 03:51 | 1 |

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|-----|-----|------|---|----------|----------------|---------|
| Gasoline | ND | | 250 | | ug/L | | | 12/18/20 00:13 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 91 | | 50 - 150 | | 12/18/20 00:13 | 1 |

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------|--------|-----------|-----|-----|------|---|----------------|----------------|---------|
| #2 Diesel (C10-C24) | ND | | 110 | | ug/L | | 12/23/20 10:57 | 12/28/20 22:26 | 1 |
| Motor Oil (>C24-C36) | ND | | 350 | | ug/L | | 12/23/20 10:57 | 12/28/20 22:26 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-------------|-----------|-----------|----------|----------------|----------------|---------|
| o-Terphenyl | 83 | | 50 - 150 | 12/23/20 10:57 | 12/28/20 22:26 | 1 |

Method: 6020B - Metals (ICP/MS) - Total Recoverable

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|-----|-----|------|---|----------------|----------------|---------|
| Lead | ND | | 4.0 | | ug/L | | 12/17/20 19:33 | 12/18/20 15:17 | 5 |

Method: 6020B - Metals (ICP/MS) - Dissolved

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|-----|-----|------|---|----------------|----------------|---------|
| Lead | ND | | 4.0 | | ug/L | | 12/18/20 19:24 | 12/21/20 16:05 | 5 |

Client Sample ID: MW-18_8.47_20201214

Lab Sample ID: 580-99804-2

Date Collected: 12/14/20 10:50

Matrix: Water

Date Received: 12/15/20 12:00

Method: 8260D - Volatile Organic Compounds by GC/MS

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------|--------|-----------|-----|-----|------|---|----------|----------------|---------|
| Benzene | ND | | 3.0 | | ug/L | | | 12/22/20 04:17 | 1 |
| Toluene | ND | | 2.0 | | ug/L | | | 12/22/20 04:17 | 1 |
| Ethylbenzene | ND | | 3.0 | | ug/L | | | 12/22/20 04:17 | 1 |
| m-Xylene & p-Xylene | ND | | 3.0 | | ug/L | | | 12/22/20 04:17 | 1 |
| o-Xylene | ND | | 2.0 | | ug/L | | | 12/22/20 04:17 | 1 |
| Xylenes, Total | ND | | 3.0 | | ug/L | | | 12/22/20 04:17 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| Toluene-d8 (Surr) | 95 | | 80 - 120 | | 12/22/20 04:17 | 1 |
| 1,2-Dichloroethane-d4 (Surr) | 112 | | 80 - 126 | | 12/22/20 04:17 | 1 |

Eurofins TestAmerica, Seattle

Client Sample Results

Client: Antea USA Inc.
Project/Site: BP -ARCO 980

Job ID: 580-99804-1

Client Sample ID: MW-18_8.47_20201214

Lab Sample ID: 580-99804-2

Date Collected: 12/14/20 10:50

Matrix: Water

Date Received: 12/15/20 12:00

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 87 | | 80 - 120 | | 12/22/20 04:17 | 1 |
| Dibromofluoromethane (Surr) | 115 | | 80 - 120 | | 12/22/20 04:17 | 1 |

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|-----|-----|------|---|----------|----------------|---------|
| Gasoline | ND | | 250 | | ug/L | | | 12/18/20 00:37 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 87 | | 50 - 150 | | 12/18/20 00:37 | 1 |

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------|--------|-----------|-----|-----|------|---|----------------|----------------|---------|
| #2 Diesel (C10-C24) | ND | | 110 | | ug/L | | 12/23/20 10:57 | 12/28/20 22:46 | 1 |
| Motor Oil (>C24-C36) | ND | | 350 | | ug/L | | 12/23/20 10:57 | 12/28/20 22:46 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-------------|-----------|-----------|----------|----------------|----------------|---------|
| o-Terphenyl | 15 | S1- | 50 - 150 | 12/23/20 10:57 | 12/28/20 22:46 | 1 |

Method: 6020B - Metals (ICP/MS) - Total Recoverable

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|-----|-----|------|---|----------------|----------------|---------|
| Lead | ND | | 4.0 | | ug/L | | 12/17/20 19:33 | 12/18/20 15:21 | 5 |

Method: 6020B - Metals (ICP/MS) - Dissolved

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|-----|-----|------|---|----------------|----------------|---------|
| Lead | ND | | 4.0 | | ug/L | | 12/18/20 19:24 | 12/21/20 16:09 | 5 |

Client Sample ID: MW-19_8.17_20201214

Lab Sample ID: 580-99804-3

Date Collected: 12/14/20 11:25

Matrix: Water

Date Received: 12/15/20 12:00

Method: 8260D - Volatile Organic Compounds by GC/MS

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------|--------|-----------|-----|-----|------|---|----------|----------------|---------|
| Benzene | ND | | 3.0 | | ug/L | | | 12/22/20 04:43 | 1 |
| Toluene | ND | | 2.0 | | ug/L | | | 12/22/20 04:43 | 1 |
| Ethylbenzene | ND | | 3.0 | | ug/L | | | 12/22/20 04:43 | 1 |
| m-Xylene & p-Xylene | ND | | 3.0 | | ug/L | | | 12/22/20 04:43 | 1 |
| o-Xylene | ND | | 2.0 | | ug/L | | | 12/22/20 04:43 | 1 |
| Xylenes, Total | ND | | 3.0 | | ug/L | | | 12/22/20 04:43 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| Toluene-d8 (Surr) | 96 | | 80 - 120 | | 12/22/20 04:43 | 1 |
| 1,2-Dichloroethane-d4 (Surr) | 115 | | 80 - 126 | | 12/22/20 04:43 | 1 |
| 4-Bromofluorobenzene (Surr) | 82 | | 80 - 120 | | 12/22/20 04:43 | 1 |
| Dibromofluoromethane (Surr) | 114 | | 80 - 120 | | 12/22/20 04:43 | 1 |

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|-----|-----|------|---|----------|----------------|---------|
| Gasoline | ND | | 250 | | ug/L | | | 12/18/20 01:01 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 90 | | 50 - 150 | | 12/18/20 01:01 | 1 |

Eurolins TestAmerica, Seattle

Client Sample Results

Client: Antea USA Inc.
Project/Site: BP -ARCO 980

Job ID: 580-99804-1

Client Sample ID: MW-19_8.17_20201214

Lab Sample ID: 580-99804-3

Date Collected: 12/14/20 11:25

Matrix: Water

Date Received: 12/15/20 12:00

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------|-----------|-----------|----------|-----|------|---|----------------|----------------|---------|
| #2 Diesel (C10-C24) | ND | | 110 | | ug/L | | 12/23/20 10:57 | 12/28/20 23:06 | 1 |
| Motor Oil (>C24-C36) | ND | | 360 | | ug/L | | 12/23/20 10:57 | 12/28/20 23:06 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| <i>o-Terphenyl</i> | 66 | | 50 - 150 | | | | 12/23/20 10:57 | 12/28/20 23:06 | 1 |

Method: 6020B - Metals (ICP/MS) - Total Recoverable

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|-----|-----|------|---|----------------|----------------|---------|
| Lead | ND | | 4.0 | | ug/L | | 12/17/20 19:33 | 12/18/20 15:25 | 5 |

Method: 6020B - Metals (ICP/MS) - Dissolved

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|-----|-----|------|---|----------------|----------------|---------|
| Lead | ND | | 4.0 | | ug/L | | 12/18/20 19:24 | 12/21/20 16:13 | 5 |

Client Sample ID: Trip Blank_20201214

Lab Sample ID: 580-99804-4

Date Collected: 12/14/20 00:01

Matrix: Water

Date Received: 12/15/20 12:00

Method: 8260D - Volatile Organic Compounds by GC/MS

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------------------|-----------|-----------|----------|-----|------|---|----------|----------------|---------|
| Benzene | ND | | 3.0 | | ug/L | | | 12/22/20 00:23 | 1 |
| Toluene | ND | | 2.0 | | ug/L | | | 12/22/20 00:23 | 1 |
| Ethylbenzene | ND | | 3.0 | | ug/L | | | 12/22/20 00:23 | 1 |
| m-Xylene & p-Xylene | ND | | 3.0 | | ug/L | | | 12/22/20 00:23 | 1 |
| o-Xylene | ND | | 2.0 | | ug/L | | | 12/22/20 00:23 | 1 |
| Xylenes, Total | ND | | 3.0 | | ug/L | | | 12/22/20 00:23 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| <i>Toluene-d8 (Surr)</i> | 97 | | 80 - 120 | | | | | 12/22/20 00:23 | 1 |
| <i>1,2-Dichloroethane-d4 (Surr)</i> | 108 | | 80 - 126 | | | | | 12/22/20 00:23 | 1 |
| <i>4-Bromofluorobenzene (Surr)</i> | 88 | | 80 - 120 | | | | | 12/22/20 00:23 | 1 |
| <i>Dibromofluoromethane (Surr)</i> | 108 | | 80 - 120 | | | | | 12/22/20 00:23 | 1 |

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------------------|-----------|-----------|----------|-----|------|---|----------|----------------|---------|
| Gasoline | ND | | 250 | | ug/L | | | 12/17/20 18:55 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| <i>4-Bromofluorobenzene (Surr)</i> | 92 | | 50 - 150 | | | | | 12/17/20 18:55 | 1 |

Surrogate Summary

Client: Antea USA Inc.
Project/Site: BP -ARCO 980

Job ID: 580-99804-1

Method: 8260D - Volatile Organic Compounds by GC/MS

Matrix: Water

Prep Type: Total/NA

| Lab Sample ID | Client Sample ID | Percent Surrogate Recovery (Acceptance Limits) | | | |
|-------------------|------------------------|--|-----------------|-----------------|------------------|
| | | TOL (80-120) | DCA (80-126) | BFB (80-120) | DBFM (80-120) |
| 580-99804-1 | MW-17_11.10_20201214 | 95 | 112 | 87 | 114 |
| 580-99804-2 | MW-18_8.47_20201214 | 95 | 112 | 87 | 115 |
| 580-99804-3 | MW-19_8.17_20201214 | 96 | 115 | 82 | 114 |
| 580-99804-4 | Trip Blank_20201214 | 97 | 108 | 88 | 108 |
| LCS 580-346120/6 | Lab Control Sample | 101 | 94 | 103 | 94 |
| LCSD 580-346120/7 | Lab Control Sample Dup | 103 | 95 | 103 | 96 |
| MB 580-346120/5 | Method Blank | 97 | 105 | 92 | 106 |

Surrogate Legend

TOL = Toluene-d8 (Surr)
DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC)

Matrix: Water

Prep Type: Total/NA

| Lab Sample ID | Client Sample ID | Percent Surrogate Recovery (Acceptance Limits) |
|--------------------|------------------------|--|
| | | BFB2 (50-150) |
| 580-99804-1 | MW-17_11.10_20201214 | 91 |
| 580-99804-2 | MW-18_8.47_20201214 | 87 |
| 580-99804-3 | MW-19_8.17_20201214 | 90 |
| 580-99804-4 | Trip Blank_20201214 | 92 |
| LCS 580-345819/13 | Lab Control Sample | 100 |
| LCSD 580-345819/14 | Lab Control Sample Dup | 96 |
| MB 580-345819/15 | Method Blank | 94 |

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Matrix: Water

Prep Type: Total/NA

| Lab Sample ID | Client Sample ID | Percent Surrogate Recovery (Acceptance Limits) |
|---------------------|------------------------|--|
| | | OTPH (50-150) |
| 580-99804-1 | MW-17_11.10_20201214 | 83 |
| 580-99804-2 | MW-18_8.47_20201214 | 15 S1- |
| 580-99804-3 | MW-19_8.17_20201214 | 66 |
| LCS 580-346323/2-A | Lab Control Sample | 85 |
| LCSD 580-346323/3-A | Lab Control Sample Dup | 77 |
| MB 580-346323/1-A | Method Blank | 79 |

Surrogate Legend

OTPH = o-Terphenyl

QC Sample Results

Client: Antea USA Inc.
Project/Site: BP -ARCO 980

Job ID: 580-99804-1

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 580-346120/5
Matrix: Water
Analysis Batch: 346120

Client Sample ID: Method Blank
Prep Type: Total/NA

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------|-----------|--------------|-----|-----|------|---|----------|----------------|---------|
| Benzene | ND | | 3.0 | | ug/L | | | 12/21/20 22:40 | 1 |
| Toluene | ND | | 2.0 | | ug/L | | | 12/21/20 22:40 | 1 |
| Ethylbenzene | ND | | 3.0 | | ug/L | | | 12/21/20 22:40 | 1 |
| m-Xylene & p-Xylene | ND | | 3.0 | | ug/L | | | 12/21/20 22:40 | 1 |
| o-Xylene | ND | | 2.0 | | ug/L | | | 12/21/20 22:40 | 1 |
| Xylenes, Total | ND | | 3.0 | | ug/L | | | 12/21/20 22:40 | 1 |

| Surrogate | MB %Recovery | MB Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------------------|--------------|--------------|----------|----------|----------------|---------|
| Toluene-d8 (Surr) | 97 | | 80 - 120 | | 12/21/20 22:40 | 1 |
| 1,2-Dichloroethane-d4 (Surr) | 105 | | 80 - 126 | | 12/21/20 22:40 | 1 |
| 4-Bromofluorobenzene (Surr) | 92 | | 80 - 120 | | 12/21/20 22:40 | 1 |
| Dibromofluoromethane (Surr) | 106 | | 80 - 120 | | 12/21/20 22:40 | 1 |

Lab Sample ID: LCS 580-346120/6
Matrix: Water
Analysis Batch: 346120

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---------------------|-------------|------------|---------------|------|---|------|--------------|
| Benzene | 10.0 | 9.11 | | ug/L | | 91 | 82 - 122 |
| Toluene | 10.0 | 9.31 | | ug/L | | 93 | 80 - 120 |
| Ethylbenzene | 10.0 | 9.59 | | ug/L | | 96 | 80 - 120 |
| m-Xylene & p-Xylene | 10.0 | 8.98 | | ug/L | | 90 | 80 - 120 |
| o-Xylene | 10.0 | 8.95 | | ug/L | | 90 | 80 - 125 |
| Xylenes, Total | 20.0 | 17.9 | | ug/L | | 90 | 80 - 120 |

| Surrogate | LCS %Recovery | LCS Qualifier | Limits |
|------------------------------|---------------|---------------|----------|
| Toluene-d8 (Surr) | 101 | | 80 - 120 |
| 1,2-Dichloroethane-d4 (Surr) | 94 | | 80 - 126 |
| 4-Bromofluorobenzene (Surr) | 103 | | 80 - 120 |
| Dibromofluoromethane (Surr) | 94 | | 80 - 120 |

Lab Sample ID: LCSD 580-346120/7
Matrix: Water
Analysis Batch: 346120

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|---------------------|-------------|-------------|----------------|------|---|------|--------------|-----|-----------|
| Benzene | 10.0 | 8.98 | | ug/L | | 90 | 82 - 122 | 2 | 14 |
| Toluene | 10.0 | 9.16 | | ug/L | | 92 | 80 - 120 | 2 | 13 |
| Ethylbenzene | 10.0 | 9.47 | | ug/L | | 95 | 80 - 120 | 1 | 14 |
| m-Xylene & p-Xylene | 10.0 | 8.90 | | ug/L | | 89 | 80 - 120 | 1 | 14 |
| o-Xylene | 10.0 | 8.84 | | ug/L | | 88 | 80 - 125 | 1 | 16 |
| Xylenes, Total | 20.0 | 17.7 | | ug/L | | 89 | 80 - 120 | 1 | 16 |

| Surrogate | LCSD %Recovery | LCSD Qualifier | Limits |
|------------------------------|----------------|----------------|----------|
| Toluene-d8 (Surr) | 103 | | 80 - 120 |
| 1,2-Dichloroethane-d4 (Surr) | 95 | | 80 - 126 |
| 4-Bromofluorobenzene (Surr) | 103 | | 80 - 120 |

QC Sample Results

Client: Antea USA Inc.
Project/Site: BP -ARCO 980

Job ID: 580-99804-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 580-346120/7
Matrix: Water
Analysis Batch: 346120

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

| Surrogate | LCS | LCS | Limits |
|-----------------------------|-----------|-----------|----------|
| | %Recovery | Qualifier | |
| Dibromofluoromethane (Surr) | 96 | | 80 - 120 |

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC)

Lab Sample ID: MB 580-345819/15
Matrix: Water
Analysis Batch: 345819

Client Sample ID: Method Blank
Prep Type: Total/NA

| Analyte | MB | MB | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------|----------------|---------|----------|----------------|---------|
| | Result | Qualifier | | | | | | | |
| Gasoline | ND | | 250 | | ug/L | | | 12/17/20 16:54 | 1 |
| Surrogate | MB | MB | Limits | Prepared | Analyzed | Dil Fac | | | |
| | %Recovery | Qualifier | | | | | | | |
| 4-Bromofluorobenzene (Surr) | 94 | | 50 - 150 | | 12/17/20 16:54 | 1 | | | |

Lab Sample ID: LCS 580-345819/13
Matrix: Water
Analysis Batch: 345819

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

| Analyte | Spike | LCS | LCS | Unit | D | %Rec | %Rec. |
|-----------------------------|-----------|-----------|-----------|------|---|------|----------|
| | Added | Result | Qualifier | | | | Limits |
| Gasoline | 1000 | 950 | | ug/L | | 95 | 79 - 120 |
| Surrogate | LCS | LCS | Limits | | | | |
| | %Recovery | Qualifier | | | | | |
| 4-Bromofluorobenzene (Surr) | 100 | | 50 - 150 | | | | |

Lab Sample ID: LCSD 580-345819/14
Matrix: Water
Analysis Batch: 345819

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

| Analyte | Spike | LCSD | LCSD | Unit | D | %Rec | %Rec. | RPD | RPD |
|-----------------------------|-----------|-----------|-----------|------|---|------|----------|-----|-------|
| | Added | Result | Qualifier | | | | Limits | RPD | Limit |
| Gasoline | 1000 | 924 | | ug/L | | 92 | 79 - 120 | 3 | 10 |
| Surrogate | LCSD | LCSD | Limits | | | | | | |
| | %Recovery | Qualifier | | | | | | | |
| 4-Bromofluorobenzene (Surr) | 96 | | 50 - 150 | | | | | | |

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Lab Sample ID: MB 580-346323/1-A
Matrix: Water
Analysis Batch: 346498

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 346323

| Analyte | MB | MB | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------|-----------|-----------|----------|----------------|----------------|---------|----------------|----------------|---------|
| | Result | Qualifier | | | | | | | |
| #2 Diesel (C10-C24) | ND | | 110 | | ug/L | | 12/23/20 10:57 | 12/24/20 12:54 | 1 |
| Motor Oil (>C24-C36) | ND | | 350 | | ug/L | | 12/23/20 10:57 | 12/24/20 12:54 | 1 |
| Surrogate | MB | MB | Limits | Prepared | Analyzed | Dil Fac | | | |
| | %Recovery | Qualifier | | | | | | | |
| o-Terphenyl | 79 | | 50 - 150 | 12/23/20 10:57 | 12/24/20 12:54 | 1 | | | |

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QC Sample Results

Client: Antea USA Inc.
Project/Site: BP -ARCO 980

Job ID: 580-99804-1

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC) (Continued)

Lab Sample ID: LCS 580-346323/2-A
Matrix: Water
Analysis Batch: 346498

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 346323

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits | |
|----------------------|------------------|------------------|---------------|------|---|------|--------------|--|
| | | | | | | | | |
| #2 Diesel (C10-C24) | 2000 | 1870 | | ug/L | | 94 | 50 - 120 | |
| Motor Oil (>C24-C36) | 2000 | 1870 | | ug/L | | 93 | 64 - 120 | |
| | | LCS LCS | | | | | | |
| Surrogate | %Recovery | Qualifier | Limits | | | | | |
| <i>o-Terphenyl</i> | 85 | | 50 - 150 | | | | | |

Lab Sample ID: LCSD 580-346323/3-A
Matrix: Water
Analysis Batch: 346498

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 346323

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec. Limits | | RPD | |
|----------------------|------------------|------------------|----------------|------|---|------|--------------|---|-----|-------|
| | | | | | | | | | RPD | Limit |
| #2 Diesel (C10-C24) | 2000 | 1890 | | ug/L | | 94 | 50 - 120 | 1 | 26 | |
| Motor Oil (>C24-C36) | 2000 | 1890 | | ug/L | | 95 | 64 - 120 | 1 | 24 | |
| | | LCSD LCSD | | | | | | | | |
| Surrogate | %Recovery | Qualifier | Limits | | | | | | | |
| <i>o-Terphenyl</i> | 77 | | 50 - 150 | | | | | | | |

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 580-345862/21-A
Matrix: Water
Analysis Batch: 346045

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 345862

| Analyte | MB MB | | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|-----|-----|------|---|----------------|----------------|---------|
| | Result | Qualifier | | | | | | | |
| Lead | ND | | 4.0 | | ug/L | | 12/17/20 19:33 | 12/18/20 13:39 | 5 |

Lab Sample ID: LCS 580-345862/22-A
Matrix: Water
Analysis Batch: 346045

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 345862

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits | |
|---------|-------------|------------|---------------|------|---|------|--------------|--|
| | | | | | | | | |
| Lead | 1000 | 1050 | | ug/L | | 105 | 80 - 120 | |

Lab Sample ID: LCSD 580-345862/23-A
Matrix: Water
Analysis Batch: 346045

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 345862

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec. Limits | | RPD | |
|---------|-------------|-------------|----------------|------|---|------|--------------|---|-----|-------|
| | | | | | | | | | RPD | Limit |
| Lead | 1000 | 1060 | | ug/L | | 106 | 80 - 120 | 1 | 20 | |

Lab Sample ID: MB 580-345764/13-B
Matrix: Water
Analysis Batch: 346087

Client Sample ID: Method Blank
Prep Type: Dissolved
Prep Batch: 345978

| Analyte | MB MB | | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|-----|-----|------|---|----------------|----------------|---------|
| | Result | Qualifier | | | | | | | |
| Lead | ND | | 4.0 | | ug/L | | 12/18/20 19:25 | 12/21/20 12:17 | 5 |

QC Sample Results

Client: Antea USA Inc.
Project/Site: BP -ARCO 980

Job ID: 580-99804-1

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 580-345764/14-B
Matrix: Water
Analysis Batch: 346087

Client Sample ID: Lab Control Sample
Prep Type: Dissolved
Prep Batch: 345978

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | Limits |
|---------|-------------|------------|---------------|------|---|------|----------|
| Lead | 1000 | 998 | | ug/L | | 100 | 80 - 120 |

Lab Sample ID: LCSD 580-345764/15-B
Matrix: Water
Analysis Batch: 346087

Client Sample ID: Lab Control Sample Dup
Prep Type: Dissolved
Prep Batch: 345978

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | Limits | RPD | Limit |
|---------|-------------|-------------|----------------|------|---|------|----------|-----|-------|
| Lead | 1000 | 997 | | ug/L | | 100 | 80 - 120 | 0 | 20 |

Lab Sample ID: MB 580-345764/13-C
Matrix: Water
Analysis Batch: 346149

Client Sample ID: Method Blank
Prep Type: Dissolved
Prep Batch: 345979

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|-----------|--------------|------|-----|------|---|----------------|----------------|---------|
| Lead | ND | | 0.80 | | ug/L | | 12/18/20 19:27 | 12/21/20 17:22 | 1 |

Lab Sample ID: LCS 580-345764/14-C
Matrix: Water
Analysis Batch: 346149

Client Sample ID: Lab Control Sample
Prep Type: Dissolved
Prep Batch: 345979

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | Limits |
|---------|-------------|------------|---------------|------|---|------|----------|
| Lead | 1000 | 1010 | | ug/L | | 101 | 80 - 120 |

Lab Sample ID: LCSD 580-345764/15-C
Matrix: Water
Analysis Batch: 346149

Client Sample ID: Lab Control Sample Dup
Prep Type: Dissolved
Prep Batch: 345979

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | Limits | RPD | Limit |
|---------|-------------|-------------|----------------|------|---|------|----------|-----|-------|
| Lead | 1000 | 1000 | | ug/L | | 100 | 80 - 120 | 0 | 20 |

QC Association Summary

Client: Antea USA Inc.
Project/Site: BP -ARCO 980

Job ID: 580-99804-1

GC/MS VOA

Analysis Batch: 346120

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-------------------|------------------------|-----------|--------|--------|------------|
| 580-99804-1 | MW-17_11.10_20201214 | Total/NA | Water | 8260D | |
| 580-99804-2 | MW-18_8.47_20201214 | Total/NA | Water | 8260D | |
| 580-99804-3 | MW-19_8.17_20201214 | Total/NA | Water | 8260D | |
| 580-99804-4 | Trip Blank_20201214 | Total/NA | Water | 8260D | |
| MB 580-346120/5 | Method Blank | Total/NA | Water | 8260D | |
| LCS 580-346120/6 | Lab Control Sample | Total/NA | Water | 8260D | |
| LCSD 580-346120/7 | Lab Control Sample Dup | Total/NA | Water | 8260D | |

GC VOA

Analysis Batch: 345819

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|----------|------------|
| 580-99804-1 | MW-17_11.10_20201214 | Total/NA | Water | NWTPH-Gx | |
| 580-99804-2 | MW-18_8.47_20201214 | Total/NA | Water | NWTPH-Gx | |
| 580-99804-3 | MW-19_8.17_20201214 | Total/NA | Water | NWTPH-Gx | |
| 580-99804-4 | Trip Blank_20201214 | Total/NA | Water | NWTPH-Gx | |
| MB 580-345819/15 | Method Blank | Total/NA | Water | NWTPH-Gx | |
| LCS 580-345819/13 | Lab Control Sample | Total/NA | Water | NWTPH-Gx | |
| LCSD 580-345819/14 | Lab Control Sample Dup | Total/NA | Water | NWTPH-Gx | |

GC Semi VOA

Prep Batch: 346323

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 580-99804-1 | MW-17_11.10_20201214 | Total/NA | Water | 3510C | |
| 580-99804-2 | MW-18_8.47_20201214 | Total/NA | Water | 3510C | |
| 580-99804-3 | MW-19_8.17_20201214 | Total/NA | Water | 3510C | |
| MB 580-346323/1-A | Method Blank | Total/NA | Water | 3510C | |
| LCS 580-346323/2-A | Lab Control Sample | Total/NA | Water | 3510C | |
| LCSD 580-346323/3-A | Lab Control Sample Dup | Total/NA | Water | 3510C | |

Analysis Batch: 346498

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|----------|------------|
| MB 580-346323/1-A | Method Blank | Total/NA | Water | NWTPH-Dx | 346323 |
| LCS 580-346323/2-A | Lab Control Sample | Total/NA | Water | NWTPH-Dx | 346323 |
| LCSD 580-346323/3-A | Lab Control Sample Dup | Total/NA | Water | NWTPH-Dx | 346323 |

Analysis Batch: 346639

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|----------------------|-----------|--------|----------|------------|
| 580-99804-1 | MW-17_11.10_20201214 | Total/NA | Water | NWTPH-Dx | 346323 |
| 580-99804-2 | MW-18_8.47_20201214 | Total/NA | Water | NWTPH-Dx | 346323 |
| 580-99804-3 | MW-19_8.17_20201214 | Total/NA | Water | NWTPH-Dx | 346323 |

Metals

Filtration Batch: 345764

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|----------------------|-----------|--------|------------|------------|
| 580-99804-1 | MW-17_11.10_20201214 | Dissolved | Water | FILTRATION | |
| 580-99804-2 | MW-18_8.47_20201214 | Dissolved | Water | FILTRATION | |
| 580-99804-3 | MW-19_8.17_20201214 | Dissolved | Water | FILTRATION | |
| MB 580-345764/13-B | Method Blank | Dissolved | Water | FILTRATION | |
| MB 580-345764/13-C | Method Blank | Dissolved | Water | FILTRATION | |

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QC Association Summary

Client: Antea USA Inc.
Project/Site: BP -ARCO 980

Job ID: 580-99804-1

Metals (Continued)

Filtration Batch: 345764 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|----------------------|------------------------|-----------|--------|------------|------------|
| LCS 580-345764/14-B | Lab Control Sample | Dissolved | Water | FILTRATION | |
| LCS 580-345764/14-C | Lab Control Sample | Dissolved | Water | FILTRATION | |
| LCSD 580-345764/15-B | Lab Control Sample Dup | Dissolved | Water | FILTRATION | |
| LCSD 580-345764/15-C | Lab Control Sample Dup | Dissolved | Water | FILTRATION | |

Prep Batch: 345862

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|----------------------|------------------------|-------------------|--------|--------|------------|
| 580-99804-1 | MW-17_11.10_20201214 | Total Recoverable | Water | 3005A | |
| 580-99804-2 | MW-18_8.47_20201214 | Total Recoverable | Water | 3005A | |
| 580-99804-3 | MW-19_8.17_20201214 | Total Recoverable | Water | 3005A | |
| MB 580-345862/21-A | Method Blank | Total Recoverable | Water | 3005A | |
| LCS 580-345862/22-A | Lab Control Sample | Total Recoverable | Water | 3005A | |
| LCSD 580-345862/23-A | Lab Control Sample Dup | Total Recoverable | Water | 3005A | |

Prep Batch: 345978

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|----------------------|------------------------|-----------|--------|--------|------------|
| 580-99804-1 | MW-17_11.10_20201214 | Dissolved | Water | 3005A | 345764 |
| 580-99804-2 | MW-18_8.47_20201214 | Dissolved | Water | 3005A | 345764 |
| 580-99804-3 | MW-19_8.17_20201214 | Dissolved | Water | 3005A | 345764 |
| MB 580-345764/13-B | Method Blank | Dissolved | Water | 3005A | 345764 |
| LCS 580-345764/14-B | Lab Control Sample | Dissolved | Water | 3005A | 345764 |
| LCSD 580-345764/15-B | Lab Control Sample Dup | Dissolved | Water | 3005A | 345764 |

Prep Batch: 345979

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|----------------------|------------------------|-----------|--------|--------|------------|
| MB 580-345764/13-C | Method Blank | Dissolved | Water | 200.8 | 345764 |
| LCS 580-345764/14-C | Lab Control Sample | Dissolved | Water | 200.8 | 345764 |
| LCSD 580-345764/15-C | Lab Control Sample Dup | Dissolved | Water | 200.8 | 345764 |

Analysis Batch: 346045

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|----------------------|------------------------|-------------------|--------|--------|------------|
| 580-99804-1 | MW-17_11.10_20201214 | Total Recoverable | Water | 6020B | 345862 |
| 580-99804-2 | MW-18_8.47_20201214 | Total Recoverable | Water | 6020B | 345862 |
| 580-99804-3 | MW-19_8.17_20201214 | Total Recoverable | Water | 6020B | 345862 |
| MB 580-345862/21-A | Method Blank | Total Recoverable | Water | 6020B | 345862 |
| LCS 580-345862/22-A | Lab Control Sample | Total Recoverable | Water | 6020B | 345862 |
| LCSD 580-345862/23-A | Lab Control Sample Dup | Total Recoverable | Water | 6020B | 345862 |

Analysis Batch: 346087

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|----------------------|------------------------|-----------|--------|--------|------------|
| MB 580-345764/13-B | Method Blank | Dissolved | Water | 6020B | 345978 |
| LCS 580-345764/14-B | Lab Control Sample | Dissolved | Water | 6020B | 345978 |
| LCSD 580-345764/15-B | Lab Control Sample Dup | Dissolved | Water | 6020B | 345978 |

Analysis Batch: 346149

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|----------------------|-----------|--------|--------|------------|
| 580-99804-1 | MW-17_11.10_20201214 | Dissolved | Water | 6020B | 345978 |
| 580-99804-2 | MW-18_8.47_20201214 | Dissolved | Water | 6020B | 345978 |
| 580-99804-3 | MW-19_8.17_20201214 | Dissolved | Water | 6020B | 345978 |
| MB 580-345764/13-C | Method Blank | Dissolved | Water | 6020B | 345979 |
| LCS 580-345764/14-C | Lab Control Sample | Dissolved | Water | 6020B | 345979 |

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QC Association Summary

Client: Antea USA Inc.
Project/Site: BP -ARCO 980

Job ID: 580-99804-1

Metals (Continued)

Analysis Batch: 346149 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|----------------------|------------------------|-----------|--------|--------|------------|
| LCSD 580-345764/15-C | Lab Control Sample Dup | Dissolved | Water | 6020B | 345979 |

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16

Lab Chronicle

Client: Antea USA Inc.
Project/Site: BP -ARCO 980

Job ID: 580-99804-1

Client Sample ID: MW-17_11.10_20201214

Lab Sample ID: 580-99804-1

Date Collected: 12/14/20 10:00

Matrix: Water

Date Received: 12/15/20 12:00

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-------------------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 8260D | | 1 | 346120 | 12/22/20 03:51 | JSM | TAL SEA |
| Total/NA | Analysis | NWTPH-Gx | | 1 | 345819 | 12/18/20 00:13 | CJB | TAL SEA |
| Total/NA | Prep | 3510C | | | 346323 | 12/23/20 10:57 | JBT | TAL SEA |
| Total/NA | Analysis | NWTPH-Dx | | 1 | 346639 | 12/28/20 22:26 | ADB | TAL SEA |
| Dissolved | Filtration | FILTRATION | | | 345764 | 12/16/20 17:19 | TMH | TAL SEA |
| Dissolved | Prep | 3005A | | | 345978 | 12/18/20 19:24 | TMH | TAL SEA |
| Dissolved | Analysis | 6020B | | 5 | 346149 | 12/21/20 16:05 | FCW | TAL SEA |
| Total Recoverable | Prep | 3005A | | | 345862 | 12/17/20 19:33 | TMH | TAL SEA |
| Total Recoverable | Analysis | 6020B | | 5 | 346045 | 12/18/20 15:17 | FCW | TAL SEA |

Client Sample ID: MW-18_8.47_20201214

Lab Sample ID: 580-99804-2

Date Collected: 12/14/20 10:50

Matrix: Water

Date Received: 12/15/20 12:00

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-------------------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 8260D | | 1 | 346120 | 12/22/20 04:17 | JSM | TAL SEA |
| Total/NA | Analysis | NWTPH-Gx | | 1 | 345819 | 12/18/20 00:37 | CJB | TAL SEA |
| Total/NA | Prep | 3510C | | | 346323 | 12/23/20 10:57 | JBT | TAL SEA |
| Total/NA | Analysis | NWTPH-Dx | | 1 | 346639 | 12/28/20 22:46 | ADB | TAL SEA |
| Dissolved | Filtration | FILTRATION | | | 345764 | 12/16/20 17:19 | TMH | TAL SEA |
| Dissolved | Prep | 3005A | | | 345978 | 12/18/20 19:24 | TMH | TAL SEA |
| Dissolved | Analysis | 6020B | | 5 | 346149 | 12/21/20 16:09 | FCW | TAL SEA |
| Total Recoverable | Prep | 3005A | | | 345862 | 12/17/20 19:33 | TMH | TAL SEA |
| Total Recoverable | Analysis | 6020B | | 5 | 346045 | 12/18/20 15:21 | FCW | TAL SEA |

Client Sample ID: MW-19_8.17_20201214

Lab Sample ID: 580-99804-3

Date Collected: 12/14/20 11:25

Matrix: Water

Date Received: 12/15/20 12:00

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-------------------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 8260D | | 1 | 346120 | 12/22/20 04:43 | JSM | TAL SEA |
| Total/NA | Analysis | NWTPH-Gx | | 1 | 345819 | 12/18/20 01:01 | CJB | TAL SEA |
| Total/NA | Prep | 3510C | | | 346323 | 12/23/20 10:57 | JBT | TAL SEA |
| Total/NA | Analysis | NWTPH-Dx | | 1 | 346639 | 12/28/20 23:06 | ADB | TAL SEA |
| Dissolved | Filtration | FILTRATION | | | 345764 | 12/16/20 17:19 | TMH | TAL SEA |
| Dissolved | Prep | 3005A | | | 345978 | 12/18/20 19:24 | TMH | TAL SEA |
| Dissolved | Analysis | 6020B | | 5 | 346149 | 12/21/20 16:13 | FCW | TAL SEA |
| Total Recoverable | Prep | 3005A | | | 345862 | 12/17/20 19:33 | TMH | TAL SEA |
| Total Recoverable | Analysis | 6020B | | 5 | 346045 | 12/18/20 15:25 | FCW | TAL SEA |

Lab Chronicle

Client: Antea USA Inc.
Project/Site: BP -ARCO 980

Job ID: 580-99804-1

Client Sample ID: Trip Blank_20201214

Lab Sample ID: 580-99804-4

Date Collected: 12/14/20 00:01

Matrix: Water

Date Received: 12/15/20 12:00

| <u>Prep Type</u> | <u>Batch Type</u> | <u>Batch Method</u> | <u>Run</u> | <u>Dilution Factor</u> | <u>Batch Number</u> | <u>Prepared or Analyzed</u> | <u>Analyst</u> | <u>Lab</u> |
|------------------|-------------------|---------------------|------------|------------------------|---------------------|-----------------------------|----------------|------------|
| Total/NA | Analysis | 8260D | | 1 | 346120 | 12/22/20 00:23 | JSM | TAL SEA |
| Total/NA | Analysis | NWTPH-Gx | | 1 | 345819 | 12/17/20 18:55 | CJB | TAL SEA |

Laboratory References:

TAL SEA = Eurofins TestAmerica, Seattle, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

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Accreditation/Certification Summary

Client: Antea USA Inc.
Project/Site: BP -ARCO 980

Job ID: 580-99804-1

Laboratory: Eurofins TestAmerica, Seattle

The accreditations/certifications listed below are applicable to this report.

| Authority | Program | Identification Number | Expiration Date |
|------------|---------|-----------------------|-----------------|
| Washington | State | C553 | 02-18-21 |

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Method Summary

Client: Antea USA Inc.
Project/Site: BP -ARCO 980

Job ID: 580-99804-1

| Method | Method Description | Protocol | Laboratory |
|------------|--|----------|------------|
| 8260D | Volatile Organic Compounds by GC/MS | SW846 | TAL SEA |
| NWTPH-Gx | Northwest - Volatile Petroleum Products (GC) | NWTPH | TAL SEA |
| NWTPH-Dx | Northwest - Semi-Volatile Petroleum Products (GC) | NWTPH | TAL SEA |
| 6020B | Metals (ICP/MS) | SW846 | TAL SEA |
| 3005A | Preparation, Total Recoverable or Dissolved Metals | SW846 | TAL SEA |
| 3510C | Liquid-Liquid Extraction (Separatory Funnel) | SW846 | TAL SEA |
| 5030B | Purge and Trap | SW846 | TAL SEA |
| FILTRATION | Sample Filtration | None | TAL SEA |

Protocol References:

None = None

NWTPH = Northwest Total Petroleum Hydrocarbon

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL SEA = Eurofins TestAmerica, Seattle, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

Sample Summary

Client: Antea USA Inc.
Project/Site: BP -ARCO 980

Job ID: 580-99804-1

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received | Asset ID |
|---------------|----------------------|--------|----------------|----------------|----------|
| 580-99804-1 | MW-17_11.10_20201214 | Water | 12/14/20 10:00 | 12/15/20 12:00 | |
| 580-99804-2 | MW-18_8.47_20201214 | Water | 12/14/20 10:50 | 12/15/20 12:00 | |
| 580-99804-3 | MW-19_8.17_20201214 | Water | 12/14/20 11:25 | 12/15/20 12:00 | |
| 580-99804-4 | Trip Blank_20201214 | Water | 12/14/20 00:01 | 12/15/20 12:00 | |

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Laboratory Management Program (LaMP) Chain of Custody Record
Soil, Sediment and Groundwater Samples

BP Site Node Path: ARCO 980 Req Due Date (mm/dd/yyyy): Standard TAT Rush TAT: Yes No Page 1 of 1

BP/RM Facility No: ARCO Facility No. 00980 Lab Work Order Number: 99804

Lab Name: Test America BP/ARC Facility Address: 10822 Roosevelt Way NE Consultant/Contractor: Anlea Group

Lab Address: 5755 8th Street East, Tacoma, WA 98424 City, State, ZIP Code: Seattle, WA Consultant/Contractor Project No: 00980SA191.20100

Lab PM: 00980SA191.20100.ES WR329867/009VH-0008 Washington State Department of Ecology Address: 2008 148th Ave NE, Redmond, WA 98052

Lab Phone: 253.248.4872 California Global ID No.: NA Consultant/Contractor PM: Brad Jackson

Lab Shipping Acct: NA Enfos Proposal No: WR827288/009VH-0014 Phone: 503-863-2114 Email: Brad.Jackson@anteagroup.com

Michael Dahlstrom Email: michaeldahlstrom@hotmail.com

Accounting Mode: Provision OOC-BU OOC-RM Send/Submit EDD to: Brad.Jackson@anteagroup.com

Stage 2_Select (20) Activity Additional Data Collection (100) Invoice To: BP-PM BP/ARC X

| Sample Details | | Requested Analyses | | Report Type & QC Level | |
|----------------|-------------|--------------------|------------|---------------------------|----------------------------|
| Field Matrix | Start Depth | End Depth | Depth Unit | Grab (g) or Composite (C) | Total Number of Containers |
| W | | | | | |
| W | | | | | |
| W | | | | | |
| W | | | | | |
| W | | | | | |

| Lab No. | Sample Description | Date | Time | Relinquished By / Affiliation | | | | | | Date | | Comments | |
|------------|--------------------|------|----------|-------------------------------|------|------|----------|------|------|------|------|----------|--|
| | | | | Analysis | Pres | Fill | Analysis | Pres | Fill | Date | Time | | |
| MW-17 | 11.10.2020/12/14 | 1000 | 12/14/20 | X | | | X | | | | | | |
| MW-18 | 8.17.2020/12/14 | 1050 | 12/14/20 | X | | | X | | | | | | |
| MW-19 | 8.17.2020/12/14 | 1125 | 12/14/20 | X | | | X | | | | | | |
| Trip-Blank | | 0000 | 12/14/20 | X | | | X | | | | | | |

PM Phone: 360-594-7978

PM Email: wade.melton@bp.com

Sampler's Name: Nathan Han Relinquished By / Affiliation: Antea Group

Sampler's Company: Antea Group Date: 12/15/20 Time: 1200

Ship Method: Carrier Ship Date: 12/15/20

Shipment Tracking No: _____

Special Instructions: _____

THIS LINE - LAB USE ONLY: Custody Seals in Place: Yes / No Temp Blank: Yes / No Cooler Temp on Receipt: _____ °F/C

Therm. ID: A1 Cor: -0.6 Unc: 0.3 ° / No

Cooler Desc: LR FedEx: _____

Packing: None UPS: _____

Cust. Seal: Yes No Lab Cour: X

Blue Ice, Wet Dry, None Other: _____

Proprietary and Confidential
 Property of BP and its Affiliates



Temperature readings:

labeled in walkin

| Client Sample ID | Lab ID | Container Type | Container | | Preservative | |
|----------------------|---------------|---------------------------------------|-----------|------|--------------|---------------|
| | | | pH | Temp | Added (mls) | Lot # |
| MW-17_11.10_20201214 | 580-99804-A-1 | Voa Vial 40ml - HCL/rubber septa | | | | 0226201F/590' |
| MW-17_11.10_20201214 | 580-99804-B-1 | Voa Vial 40ml - HCL/rubber septa | | | | 0226201F/590' |
| MW-17_11.10_20201214 | 580-99804-C-1 | Voa Vial 40ml - HCL/rubber septa | | | | 0226201F/590' |
| MW-17_11.10_20201214 | 580-99804-D-1 | Voa Vial 40ml - HCL/rubber septa | | | | 0226201F/590' |
| MW-17_11.10_20201214 | 580-99804-E-1 | Voa Vial 40ml - HCL/rubber septa | | | | 0226201F/590' |
| MW-17_11.10_20201214 | 580-99804-F-1 | Voa Vial 40ml - HCL/rubber septa | | | | 0226201F/590' |
| MW-17_11.10_20201214 | 580-99804-G-1 | Amber Glass 250mL - hydrochloric acid | 1.5 | | | 0520301F/590' |
| MW-17_11.10_20201214 | 580-99804-H-1 | Amber Glass 250mL - hydrochloric acid | 1.5 | | | 0520301F/590' |
| MW-17_11.10_20201214 | 580-99804-I-1 | Plastic 250ml - with Nitric Acid | 1.5 | | | 0331901E/000' |
| MW-17_11.10_20201214 | 580-99804-J-1 | Plastic 250ml - unpreserved - dis | | | | 0314701F |
| MW-18_8.47_20201214 | 580-99804-A-2 | Voa Vial 40ml - HCL/rubber septa | | | | 0226201F/590' |
| MW-18_8.47_20201214 | 580-99804-B-2 | Voa Vial 40ml - HCL/rubber septa | | | | 0226201F/590' |
| MW-18_8.47_20201214 | 580-99804-C-2 | Voa Vial 40ml - HCL/rubber septa | | | | 0226201F/590' |
| MW-18_8.47_20201214 | 580-99804-D-2 | Voa Vial 40ml - HCL/rubber septa | | | | 0226201F/590' |
| MW-18_8.47_20201214 | 580-99804-E-2 | Voa Vial 40ml - HCL/rubber septa | | | | 0226201F/590' |
| MW-18_8.47_20201214 | 580-99804-F-2 | Voa Vial 40ml - HCL/rubber septa | | | | 0226201F/590' |
| MW-18_8.47_20201214 | 580-99804-G-2 | Amber Glass 250mL - hydrochloric acid | 1.5 | | | 0520301F/590' |
| MW-18_8.47_20201214 | 580-99804-H-2 | Amber Glass 250mL - hydrochloric acid | 1.5 | | | 0520301F/590' |
| MW-18_8.47_20201214 | 580-99804-I-2 | Plastic 250ml - with Nitric Acid | 1.5 | | | 0331901E/000' |
| MW-18_8.47_20201214 | 580-99804-J-2 | Plastic 250ml - unpreserved - dis | | | | 0314701F |
| MW-19_8.17_20201214 | 580-99804-A-3 | Voa Vial 40ml - HCL/rubber septa | | | | 0226201F/590' |
| MW-19_8.17_20201214 | 580-99804-B-3 | Voa Vial 40ml - HCL/rubber septa | | | | 0226201F/590' |
| MW-19_8.17_20201214 | 580-99804-C-3 | Voa Vial 40ml - HCL/rubber septa | | | | 0226201F/590' |
| MW-19_8.17_20201214 | 580-99804-D-3 | Voa Vial 40ml - HCL/rubber septa | | | | 0226201F/590' |
| MW-19_8.17_20201214 | 580-99804-E-3 | Voa Vial 40ml - HCL/rubber septa | | | | 0226201F/590' |
| MW-19_8.17_20201214 | 580-99804-F-3 | Voa Vial 40ml - HCL/rubber septa | | | | 0226201F/590' |
| MW-19_8.17_20201214 | 580-99804-G-3 | Amber Glass 250mL - hydrochloric acid | 1.5 | | | 0520301F/590' |
| MW-19_8.17_20201214 | 580-99804-H-3 | Amber Glass 250mL - hydrochloric acid | 1.5 | | | 0520301F/590' |
| MW-19_8.17_20201214 | 580-99804-I-3 | Plastic 250ml - with Nitric Acid | 1.5 | | | 0331901E/000' |
| MW-19_8.17_20201214 | 580-99804-J-3 | Plastic 250ml - unpreserved - dis | | | | 0314701F |
| Trip Blank | 580-99804-A-4 | Voa Vial 40ml - HCL/rubber septa | | | | 0226201F/590' |
| Trip Blank | 580-99804-B-4 | Voa Vial 40ml - HCL/rubber septa | | | | 0226201F/590' |
| Trip Blank | 580-99804-C-4 | Voa Vial 40ml - HCL/rubber septa | | | | 0226201F/590' |
| Trip Blank | 580-99804-D-4 | Voa Vial 40ml - HCL/rubber septa | | | | 0226201F/590' |

Login Sample Receipt Checklist

Client: Antea USA Inc.

Job Number: 580-99804-1

Login Number: 99804

List Source: Eurofins TestAmerica, Seattle

List Number: 1

Creator: Blankinship, Tom X

| Question | Answer | Comment |
|---|--------|-------------------------------------|
| Radioactivity wasn't checked or is \leq background as measured by a survey meter. | True | |
| The cooler's custody seal, if present, is intact. | True | |
| Sample custody seals, if present, are intact. | True | |
| The cooler or samples do not appear to have been compromised or tampered with. | True | |
| Samples were received on ice. | True | |
| Cooler Temperature is acceptable. | True | |
| Cooler Temperature is recorded. | True | |
| COC is present. | True | |
| COC is filled out in ink and legible. | True | |
| COC is filled out with all pertinent information. | True | |
| Is the Field Sampler's name present on COC? | True | |
| There are no discrepancies between the containers received and the COC. | False | Refer to Job Narrative for details. |
| Samples are received within Holding Time (excluding tests with immediate HTs) | True | |
| Sample containers have legible labels. | True | |
| Containers are not broken or leaking. | True | |
| Sample collection date/times are provided. | True | |
| Appropriate sample containers are used. | True | |
| Sample bottles are completely filled. | True | |
| Sample Preservation Verified. | True | |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True | |
| Containers requiring zero headspace have no headspace or bubble is <math><6\text{mm}</math> (1/4"). | True | |
| Multiphasic samples are not present. | True | |
| Samples do not require splitting or compositing. | True | |
| Residual Chlorine Checked. | N/A | |

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-99804-1

SDG No.: _____

Batch Number: 346120 Batch Start Date: 12/21/20 21:23 Batch Analyst: McKell, Justin S

Batch Method: 8260D Batch End Date: _____

| Lab Sample ID | Client Sample ID | Method Chain | Basis | InitialAmount | FinalAmount | Initial pH | 5X SUR/IS 00002 | VOAMasterMix 00063 | |
|-------------------|-----------------------|--------------|-------|---------------|-------------|------------|-----------------|--------------------|--|
| MB 580-346120/5 | | 8260D | | 5 mL | 5 mL | | 1 uL | | |
| LCS 580-346120/6 | | 8260D | | 5 mL | 5 mL | | 1 uL | 10 uL | |
| LCSD 580-346120/7 | | 8260D | | 5 mL | 5 mL | | 1 uL | 10 uL | |
| 580-99804-A-4 | Trip Blank 20201214 | 8260D | T | 5 mL | 5 mL | <2 SU | 1 uL | | |
| 580-99804-B-1 | MW-17_11.10_2020 1214 | 8260D | T | 5 mL | 5 mL | <2 SU | 1 uL | | |
| 580-99804-D-2 | MW-18_8.47_20201 214 | 8260D | T | 5 mL | 5 mL | <2 SU | 1 uL | | |
| 580-99804-C-3 | MW-19_8.17_20201 214 | 8260D | T | 5 mL | 5 mL | <2 SU | 1 uL | | |

| Batch Notes | |
|-------------|--|
| | |
| | |

| Basis | Basis Description |
|-------|-------------------|
| T | Total/NA |

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

8260D

GC VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-99804-1

SDG No.: _____

Batch Number: 345819 Batch Start Date: 12/17/20 11:37 Batch Analyst: Bohn, Christina J

Batch Method: NWTPH-Gx Batch End Date: _____

| Lab Sample ID | Client Sample ID | Method Chain | Basis | InitialAmount | FinalAmount | Initial pH | BFBGRO ARCHON 00045 | GRO_LCS 00064 | V2.4TFT-EX 00062 |
|-----------------------|--------------------------|--------------|-------|---------------|-------------|------------|------------------------|---------------|---------------------|
| LCS 580-345819/13 | | NWTPH-Gx | | 5 mL | 5 mL | | 1 uL | 25 uL | 1250 uL |
| LCSD 580-345819/14 | | NWTPH-Gx | | 5 mL | 5 mL | | 1 uL | 25 uL | 1250 uL |
| MB 580-345819/15 | | NWTPH-Gx | | 5 mL | 5 mL | | 1 uL | | |
| 580-99804-B-4 | Trip Blank 20201214 | NWTPH-Gx | T | 5 mL | 5 mL | <2 SU | 1 uL | | |
| 580-99804-A-1 | MW-17_11.10_2020 1214 | NWTPH-Gx | T | 5 mL | 5 mL | <2 SU | 1 uL | | |
| 580-99804-C-2 | MW-18_8.47_20201 214 | NWTPH-Gx | T | 5 mL | 5 mL | <2 SU | 1 uL | | |
| 580-99804-B-3 | MW-19_8.17_20201 214 | NWTPH-Gx | T | 5 mL | 5 mL | <2 SU | 1 uL | | |

| Batch Notes | |
|-------------|--|
| | |
| | |

| Basis | Basis Description |
|-------|-------------------|
| T | Total/NA |

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-99804-1

SDG No.: _____

Batch Number: 346323 Batch Start Date: 12/23/20 10:57 Batch Analyst: Tucker, Jonathon B

Batch Method: 3510C Batch End Date: 12/23/20 21:22

| Lab Sample ID | Client Sample ID | Method Chain | Basis | GrossWeight | TareWeight | InitialAmount | FinalAmount | ReceivedpH | FirstAdjustpH |
|----------------------|--------------------------|--------------------|-------|-------------|------------|---------------|-------------|------------|---------------|
| MB 580-346323/1 | | 3510C, NWTPH-Dx | | | | 250 mL | 1 mL | 7 SU | 2 SU |
| LCS 580-346323/2 | | 3510C, NWTPH-Dx | | | | 250 mL | 1 mL | 7 SU | 2 SU |
| LCSD 580-346323/3 | | 3510C, NWTPH-Dx | | | | 250 mL | 1 mL | 7 SU | 2 SU |
| 580-99804-G-1 | MW-17_11.10_2020 1214 | 3510C, NWTPH-Dx | T | 00413.05 g | 00166.26 g | 246.8 mL | 1 mL | 2 SU | 2 SU |
| 580-99804-G-2 | MW-18_8.47_20201 214 | 3510C, NWTPH-Dx | T | 00425.35 g | 00177.03 g | 248.3 mL | 1 mL | 2 SU | 2 SU |
| 580-99804-G-3 | MW-19_8.17_20201 214 | 3510C, NWTPH-Dx | T | 00419.75 g | 00175.84 g | 243.9 mL | 1 mL | 2 SU | 2 SU |

| Lab Sample ID | Client Sample ID | Method Chain | Basis | SecondAdjustpH | TPH_Water_Spk 00026 | TPH_WaterSurr 00063 | | | |
|----------------------|--------------------------|--------------------|-------|----------------|------------------------|------------------------|--|--|--|
| MB 580-346323/1 | | 3510C, NWTPH-Dx | | n/a SU | | 100 uL | | | |
| LCS 580-346323/2 | | 3510C, NWTPH-Dx | | n/a SU | 100 uL | 100 uL | | | |
| LCSD 580-346323/3 | | 3510C, NWTPH-Dx | | n/a SU | 100 uL | 100 uL | | | |
| 580-99804-G-1 | MW-17_11.10_2020 1214 | 3510C, NWTPH-Dx | T | n/a SU | | 100 uL | | | |
| 580-99804-G-2 | MW-18_8.47_20201 214 | 3510C, NWTPH-Dx | T | n/a SU | | 100 uL | | | |
| 580-99804-G-3 | MW-19_8.17_20201 214 | 3510C, NWTPH-Dx | T | n/a SU | | 100 uL | | | |

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

NWTPH-Dx

GC SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-99804-1

SDG No.: _____

Batch Number: 346323 Batch Start Date: 12/23/20 10:57 Batch Analyst: Tucker, Jonathon B

Batch Method: 3510C Batch End Date: 12/23/20 21:22

| Batch Notes | |
|---|---------------------|
| Acid Used for pH Adjustment ID | 2750833 |
| Balance ID | sea225 |
| Batch Comment | viald by JBT |
| Analyst ID - Concentration | JBT |
| Concentration 1 Corrected Temperature | 69.9-74.9 Degrees C |
| Concentration 2 Corrected Temperature | 19.6 Degrees C |
| Equipment ID - Concentration 1 | steambath 2 |
| Equipment ID - Concentration 2 | turbovap 5 |
| Analyst ID - Extraction | JBT/RJL |
| Filter ID | 2707788 |
| Method/Fraction | 3510C/Dx |
| Na2SO4 ID | 2744776 |
| pH Indicator ID | 6003004 |
| Pipette/Syringe/Dispenser ID | mp4 |
| Prep Solvent ID | 2749437 |
| Prep Solvent Volume Used | 100 mL |
| Analyst ID - Spike Analyst | RJL |
| Analyst ID - Spike Witness Analyst | JBT |
| Sufficient Volume for Batch QC | yes |
| Thermometer ID - Concentration 1 | 661200 |
| Thermometer ID - Concentration 2 | DIGITALREADOUT |
| Concentration 1 Uncorrected Temperature | 70-75 Degrees C |
| Concentration 2 Uncorrected Temperature | 20 Degrees C |
| Vial Lot Number | 24159736 |
| Reagent Water ID | di |

| Basis | Basis Description |
|-------|-------------------|
| T | Total/NA |

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-99804-1

SDG No.: _____

Batch Number: 345764 Batch Start Date: 12/16/20 17:19 Batch Analyst: Hua, Tammy M

Batch Method: FILTRATION Batch End Date: 12/17/20 14:00

| Lab Sample ID | Client Sample ID | Method Chain | Basis | InitialAmount | FinalAmount | | | | |
|-----------------------|------------------|-----------------------------|-------|---------------|-------------|--|--|--|--|
| MB 580-345764/13 | | FILTRATION, 200.8, 6020B | | 250 mL | 250 mL | | | | |
| LCS 580-345764/14 | | FILTRATION, 200.8, 6020B | | 250 mL | 250 mL | | | | |
| LCSD 580-345764/15 | | FILTRATION, 200.8, 6020B | | 250 mL | 250 mL | | | | |

| Batch Notes | |
|----------------|---------|
| Filter ID | 1264128 |
| Nitric Acid ID | 2671207 |

| Basis | Basis Description |
|-------|-------------------|
| D | Dissolved |

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

6020B



METALS BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-99804-1

SDG No.: _____

Batch Number: 345764 Batch Start Date: 12/16/20 17:19 Batch Analyst: Hua, Tammy M

Batch Method: FILTRATION Batch End Date: 12/17/20 14:00

| Lab Sample ID | Client Sample ID | Method Chain | Basis | InitialAmount | FinalAmount | | | | |
|-----------------------|--------------------------|-----------------------------|-------|---------------|-------------|--|--|--|--|
| 580-99804-J-1 | MW-17_11.10_2020 1214 | FILTRATION, 3005A, 6020B | D | 250 mL | 250 mL | | | | |
| 580-99804-J-2 | MW-18_8.47_20201 214 | FILTRATION, 3005A, 6020B | D | 250 mL | 250 mL | | | | |
| 580-99804-J-3 | MW-19_8.17_20201 214 | FILTRATION, 3005A, 6020B | D | 250 mL | 250 mL | | | | |
| MB 580-345764/13 | | FILTRATION, 3005A, 6020B | | 250 mL | 250 mL | | | | |
| LCS 580-345764/14 | | FILTRATION, 3005A, 6020B | | 250 mL | 250 mL | | | | |
| LCSD 580-345764/15 | | FILTRATION, 3005A, 6020B | | 250 mL | 250 mL | | | | |

| Batch Notes | |
|----------------|---------|
| Filter ID | 1264128 |
| Nitric Acid ID | 2671207 |

| Basis | Basis Description |
|-------|-------------------|
| D | Dissolved |

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.



METALS BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-99804-1

SDG No.: _____

Batch Number: 345862 Batch Start Date: 12/17/20 19:33 Batch Analyst: Hua, Tammy M

Batch Method: 3005A Batch End Date: 12/18/20 00:13

| Lab Sample ID | Client Sample ID | Method Chain | Basis | InitialAmount | FinalAmount | ICP CAL 1 00009 | ICP CAL 2 00008 | MET Spike 3C 00025 | |
|-----------------------|--------------------------|--------------|-------|---------------|-------------|-----------------|-----------------|--------------------|--|
| 580-99804-I-1 | MW-17_11.10_2020 1214 | 3005A, 6020B | R | 50 mL | 50 mL | | | | |
| 580-99804-I-2 | MW-18_8.47_20201 214 | 3005A, 6020B | R | 50 mL | 50 mL | | | | |
| 580-99804-I-3 | MW-19_8.17_20201 214 | 3005A, 6020B | R | 50 mL | 50 mL | | | | |
| MB 580-345862/21 | | 3005A, 6020B | | 50 mL | 50 mL | | | | |
| LCS 580-345862/22 | | 3005A, 6020B | | 50 mL | 50 mL | 0.5 mL | 0.5 mL | 0.5 mL | |
| LCSD 580-345862/23 | | 3005A, 6020B | | 50 mL | 50 mL | 0.5 mL | 0.5 mL | 0.5 mL | |

| Batch Notes | |
|------------------------------------|------------------|
| Temperature - Corrected - End | 91.5 Degrees C |
| Temperature - Corrected - Start | 91.5 Degrees C |
| Digestion End Time | 12/18/2020 00:13 |
| Digestion Start Time | 12/17/2020 20:13 |
| Digestion Unit ID | BLOCK e |
| Hydrochloric Acid ID | 2723685 |
| Nitric Acid ID | 2643720 |
| Pipette/Syringe/Dispenser ID | METALS-PREP-2 |
| Analyst ID - Spike Analyst | see above |
| Analyst ID - Spike Witness Analyst | TH |
| Sufficient Volume for Batch QC | yes |
| Thermometer Location ID | e45 |
| Thermometer ID | 700647 |
| Digestion Tube/Cup ID | 2535260 |
| Temperature - Uncorrected - End | 91.0 Degrees C |
| Temperature - Uncorrected - Start | 91.0 Degrees C |

| Basis | Basis Description |
|-------|-------------------|
| R | Total Recoverable |

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-99804-1

SDG No.: _____

Batch Number: 345978 Batch Start Date: 12/18/20 19:24 Batch Analyst: Hua, Tammy M

Batch Method: 3005A Batch End Date: 12/18/20 23:59

| Lab Sample ID | Client Sample ID | Method Chain | Basis | InitialAmount | FinalAmount | ICP CAL 1 00009 | ICP CAL 2 00008 | MET Spike 3C 00025 | |
|-------------------------|--------------------------|--------------|-------|---------------|-------------|-----------------|-----------------|--------------------|--|
| 580-99804-J-1-A | MW-17_11.10_2020 1214 | 3005A, 6020B | D | 50 mL | 50 mL | | | | |
| 580-99804-J-2-A | MW-18_8.47_20201 214 | 3005A, 6020B | D | 50 mL | 50 mL | | | | |
| 580-99804-J-3-A | MW-19_8.17_20201 214 | 3005A, 6020B | D | 50 mL | 50 mL | | | | |
| MB 580-345764/13-A | | 3005A, 6020B | | 50 mL | 50 mL | | | | |
| LCS 580-345764/14-A | | 3005A, 6020B | | 50 mL | 50 mL | 0.5 mL | 0.5 mL | 0.5 mL | |
| LCSD 580-345764/15-A | | 3005A, 6020B | | 50 mL | 50 mL | 0.5 mL | 0.5 mL | 0.5 mL | |

| Batch Notes | |
|------------------------------------|------------------|
| Temperature - Corrected - End | 91.5 Degrees C |
| Temperature - Corrected - Start | 91.5 Degrees C |
| Digestion End Time | 12/18/2020 23:59 |
| Digestion Start Time | 12/18/2020 19:59 |
| Digestion Unit ID | BLOCK b |
| Hydrochloric Acid ID | 2723685 |
| Nitric Acid ID | 2643720 |
| Pipette/Syringe/Dispenser ID | METALS-PREP-2 |
| Analyst ID - Spike Analyst | see above |
| Analyst ID - Spike Witness Analyst | TH |
| Sufficient Volume for Batch QC | yes |
| Thermometer Location ID | b10 |
| Thermometer ID | 700647 |
| Digestion Tube/Cup ID | 2535260 |
| Temperature - Uncorrected - End | 91.0 Degrees C |
| Temperature - Uncorrected - Start | 91.0 Degrees C |

| Basis | Basis Description |
|-------|-------------------|
| D | Dissolved |

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-99804-1

SDG No.: _____

Batch Number: 345979 Batch Start Date: 12/18/20 20:00 Batch Analyst: Hua, Tammy M

Batch Method: 200.8 Batch End Date: 12/19/20 00:00

| Lab Sample ID | Client Sample ID | Method Chain | Basis | InitialAmount | FinalAmount | ICP CAL 1 00009 | ICP CAL 2 00008 | MET Spike 3C 00025 | |
|-------------------------|------------------|--------------|-------|---------------|-------------|-----------------|-----------------|--------------------|--|
| MB 580-345764/13-A | | 200.8, 6020B | | 50 mL | 50 mL | | | | |
| LCS 580-345764/14-A | | 200.8, 6020B | | 50 mL | 50 mL | 0.5 mL | 0.5 mL | 0.5 mL | |
| LCSD 580-345764/15-A | | 200.8, 6020B | | 50 mL | 50 mL | 0.5 mL | 0.5 mL | 0.5 mL | |

Batch Notes

| | |
|-----------------------------------|---------------|
| First End time | see above |
| Lot # of hydrochloric acid | 2723690 |
| Lot # of Nitric Acid | 2712015 |
| Hot Block ID | block b |
| Oven, Bath or Block Temperature 1 | 93.5 |
| Oven, Bath or Block Temperature 2 | 94.5 |
| Pipette ID | METALS-PREP-2 |
| First Start time | see above |
| Thermometer Location ID | b10 |
| Thermometer ID | 700647 |
| Digestion Tube/Cup ID | 2535260 |
| Uncorrected Temperature | 93.0 Celsius |
| Uncorrected Temperature 2 | 94 Celsius |

| Basis | Basis Description |
|-------|-------------------|
| | |

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

6020B