

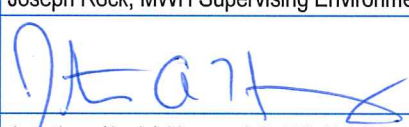
FORMER UNDERGROUND STORAGE TANK INVESTIGATION REPORT

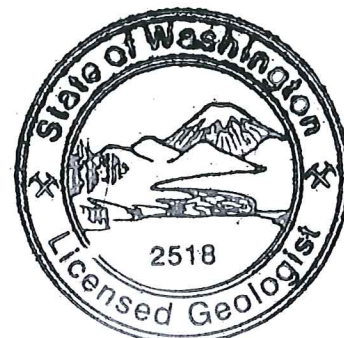
GE AVIATION – YAKIMA, WA

Prepared for: GE Aviation
1 Neumann Way MD E70
Cincinnati, Ohio 45215

Date: May 2013

Prepared by: MWH Americas, Inc.
806 SW Broadway, Suite 200
Portland, Oregon 97205

	
Prepared by	Joseph Rock, MWH Supervising Environmental Scientist
	
Reviewed by	Jonathan (Andy) Hersey, LG, PG, RG, Vice President/Geologist



Jonathan Andrew Hersey
Expires July 19, 2013

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1. INTRODUCTION

MWH Americas, Inc. (MWH) has prepared this report at the request of GE Aviation (GE) to document the results of a soil and groundwater investigation conducted in the vicinity of a former underground storage tank (UST) previously located at the GE manufacturing facility at 2720, 2804-2806, and 2808 West Washington Avenue, in Yakima, Washington (the *Site*) (Figure 1).

Based on the visual observations and analytical results from the investigation, MWH believes no further action is necessary regarding the former UST and receipt of a No Further Action (NFA) opinion is requested from the Washington Department of Ecology (Ecology).

1.1. Summary of Previous Assessments

In November 2007, GE was in the process of upgrading an oil-water emulsion handling system when a leak was observed at an elbow joint of a deteriorating 1.5-inch underground pipe that carried the oil-water emulsion from a 1,200 gallon pre-cast concrete UST to the interior of the building.

The leak was immediately reported by GE to Ecology on November 2, 2007. Representatives from Ecology conducted site visits on November 2 and 8, 2007 to inspect an excavation of the UST and confirmed the release. Following Ecology's inspection, the UST was removed and samples were collected of the liquid within the excavation and of visually impacted soil at the base of the excavation. During the excavation, it was also noted that oil-water emulsion had leaked from the unsecured top of the tank. The samples were submitted for analysis of Total Petroleum Hydrocarbons (TPH). The laboratory results indicated that the soil and liquid samples had concentrations of lube oil and kerosene that exceeded Ecology's Model Toxic Control Act (MTCA) Method A criteria.

The excavation was then de-watered and additional visually impacted soil was excavated and removed. Additional confirmatory soil samples were collected following the second excavation effort and a liquid sample was collected from water flowing into the excavation. The samples were analyzed for TPH and the results indicated no exceedances of MTCA criteria, with the exception of kerosene in the groundwater sample. The results of the UST removal and sampling were documented in the *"Site Assessment Engineering Report, Underground Storage Tank Removal, GE Aviation"*, dated February 2008 and prepared by PLSA Engineering & Surveying (PLSA). The report was submitted by GE to Ecology in February 2008.

On January 11, 2012, representatives from GE and MWH met with Ecology to discuss the results of the 2008 UST removal. Based on discussions with Ecology, it was agreed to conduct four soil borings in the vicinity of the former UST, collect two soil samples from each boring, and install a groundwater monitoring well in one of the downgradient borings.

GE also discussed entering the Site into Ecology's Voluntary Cleanup Program (VCP) in order to receive guidance and approval from Ecology for any future investigations or remedial actions at the Site, including closure of the former UST. GE entered into the VCP program in June 2012.

1.2. Project Objectives and Scope of Work

The objective of the investigation was to document Site conditions in soil and groundwater in the vicinity of the former UST and receive confirmation of closure of the former UST with Ecology. The work was conducted in compliance with applicable laws and regulations and consistent with GE protocols. A site layout plan with sampling locations is presented in Figure 2. The scope of work included the following activities.

- Drilling of three soil borings (SB-19, SB-20, and SB-21) each to a depth of 10 feet (ft) below ground surface (bgs).
- Drilling and installation of one groundwater monitoring well (MW-08) to a depth of 15 ft bgs.
- Collection of two soil samples from each soil boring and the monitoring well boring from the mid-depth of the boring (3.3 to 5.0 ft bgs), and the boring terminus (or just above encountered groundwater) for a total of eight samples, plus one duplicate.
- Development and purging of monitoring well MW-08
- Collection of groundwater elevations from all Site monitoring wells
- Collection of one groundwater sample from MW-08.
- Laboratory analysis of all samples for the following analytes:
 - Semi-volatile petroleum products (No. 2 diesel and motor oil) by NWTPH-Dx
 - Aliphatic and aromatic hydrocarbon fractions by NWTPH-EPH
 - Polychlorinated-biphenyls (PCBs) by US Environmental Protection Agency (USEPA) Method 8082
- Completion of a horizontal and vertical survey of the newly completed borings and monitoring well. The survey was completed by Gray Surveying and Engineering.
- Additional purging of monitoring well MW-08 to evaluate physical groundwater conditions in the vicinity of MW-08.

1.3. Report Organization

The presentation of this report is organized as follows.

Section 1	Introduction, including project objectives, summary of previous assessments, scope of work, and report organization
Section 2	Site background, including site description and adjoining properties, site operations, and the physical setting
Section 3	Site assessment program, including preliminary field and health and safety activities, field sampling activities, laboratory analysis, site survey, and investigation derived waste management
Section 4	Results of the site assessment program, including local geologic and hydrogeologic conditions, field sampling observations, screening criteria, analytical results, and a summary
Section 5	List of references cited
Section 6	Limitations to this report

2. SITE BACKGROUND

2.1. Site Description and Adjoining Properties

The Site is located at 2720, 2804-2806, and 2808 W. Washington Ave. in Yakima, WA (Figure 1). The Site consists of approximately 15 acres and, according to the City of Yakima, is zoned for light industrial use. The Site is comprised of three separate addresses:

- A 10.96-acre parcel owned by GE (Main Facility at 2720 W. Washington Ave.) with a two-story structure of approximately 90,000 square-feet (sf) and an approximate 10,000-sf outdoor storage area located on the west side of the building. The outdoor storage area is secured with perimeter fencing; the southern half of the outdoor storage area is covered. The Main Facility includes an approximate 1-acre grass-landscaped area on the north side of the building and an asphalt-paved parking area on the south side of the building.
- Approximately 10,000 sf on the western side of a 25,000-sf partial two-story building (Leased Facility at 2808 W. Washington Ave.) leased from Noland Decoto and located adjacent and west of the Main Facility across South 28th Avenue.
- Approximately 9,700 sf on the eastern side of the same 25,000-sf partial two-story building (Lease Expansion Area at 2804-2806 W. Washington Ave.), leased from Mr. Brad Goodspeed.

The main entrance to the Site is via South 28th Avenue. The Main Facility is on the east side of South 28th Avenue and the Leased Facilities are to the west. The Main Facility is surrounded by asphalt-paved parking areas to the south and east and a grassy landscaped area to the north. The Leased Facilities are surrounded by asphalt-paved parking areas and access roads. The site layout is shown on Figure 2. The Site is bounded to the north by West Washington Avenue. Wide Hollow Creek and a residential area lie beyond West Washington Avenue further to the north. The Site is bounded to the east and south by Yakima Air Terminal – McAllister Field, and to the west by Nolan Decoto Flying Services, Inc., which is comprised of sheet metal hangars and asphalt paved areas contiguous to the Yakima Airport.

2.2. Site Operations

The Site designs, manufactures, assembles, tests, and ships hydraulic actuators for commercial and military uses. Operations include receiving of raw materials, machining, parts cleaning, painting, assembly of parts into units, testing of units, and shipping units off-site for delivery. A bulk chemical storage area is located outdoors adjacent to the northwestern corner of the Main Facility. The hazardous waste storage area is located adjacent to the south end of the bulk chemical storage area. The historical UST was previously located in the southern portion of the outdoor storage area located on the western side of the manufacturing facility (Figure 2).

2.3. Physical Setting

2.3.1. Site Vicinity Topography and Hydrology

The City of Yakima is located in south-central Washington within the Yakima River Basin. Elevations in the Yakima River Basin range from an elevation of over 8,000 ft above mean sea level (amsl) in the Cascade Range west of Yakima, where the

Yakima River originates, to about 340 ft amsl at the convergence of the Yakima and Columbia rivers southeast of Yakima. The Site is located at approximately 1,080 ft amsl. The basin includes approximately 1,900 river miles of perennial streams and drains an area of approximately 6,155 square-miles (Geo-ecology Research Group, 2005). The nearest major surface water feature to the Site is Wide Hollow Creek, a tributary to the Yakima River, located approximately 0.03 miles to the north.

2.3.2. Regional Geology and Hydrogeology

The Columbia Plateau is divided into three physiographic sub-provinces. The western margin is composed of the Yakima Fold Belt, which includes the Yakima River Basin. The Yakima Fold Belt is a highly folded and faulted area and is underlain by various consolidated rocks of Precambrian to Quaternary age, and unconsolidated materials and volcanic rocks of Quaternary age. In the Yakima River Basin, the headwater areas in the Cascade Range include metamorphic, sedimentary, and intrusive and extrusive igneous rocks. The central, eastern, and southwestern areas of the basin are composed of basalt lava flows from the Columbia River Basalt Group (CRBG) with discontinuous and weakly consolidated sediments. The lowlands are underlain by unconsolidated and weakly consolidated valley-fill composed of glacial, glacio-fluvial, lacustrine, and alluvium deposits that exceeded 1,000 ft in thickness. Wind-blown deposits, called loess, occur along the lower valley (United States Geological Survey [USGS], 2006).

The CRBG is an important aquifer system. The overlying alluvial aquifers are highly permeable and are heterogeneous due to their deposition within the fluvial environment where the processes of cut and fill alluviation by the Yakima River and tributaries occurred. The Cascade Range rocks store and transmit little water via aquifer systems, and the majority of runoff flows at the surface (Geo-ecology Research Group, 2005).

2.3.3. Local Geologic and Hydrogeologic Conditions

In general, the subsurface at the Site consists of approximately 10 ft of silt with lenses of silty sand, poorly graded sand, and high plasticity clay. Silty sand and gravel was generally observed from 10 ft to 15 ft bgs. The building foundation is underlain with non-native silty gravel fill material extending from 1 ft to 4 ft bgs.

One water-bearing zone at 4 to 7 ft bgs is located generally above the silty clay layer. The groundwater flow direction for the water-bearing zone is to the east-southeast at a gradient of approximately 0.8 percent (MWH, 2013).

3. SITE ASSESSMENT PROGRAM

3.1. Summary

The objective of the site assessment was to document Site conditions in soil and groundwater in the vicinity of the former UST and receive a NFA opinion from Ecology. The site assessment program included analysis of soil and groundwater media in accordance with an agreement reached with Ecology during a meeting on January 11, 2012 and follow-up phone conversations. Fieldwork was conducted from April 4 through April 6, 2012 and June 28, 2012. Fieldwork was performed by appropriately trained and experienced personnel in accordance with industry standards and applicable laws and regulations. The site layout with sampling locations is shown on Figure 2. Daily field reports with representative photographs of the field activities are presented in Appendix A.

3.2. Preliminary Field and Health and Safety Activities

3.2.1. Preparatory Field Activities

Prior to conducting fieldwork, the scope of work was reviewed by the field team and a preliminary Site walk was conducted with MWH and GE to discuss the site assessment program. Utilities Plus (utility locator) and Cascade Drilling, L.P. (drillers) walked the Site to review and clear the planned soil boring and monitoring well locations against facility drawings of subsurface utilities and pipelines.

3.2.2. Preparatory and Ongoing Health and Safety Activities

A project-specific health and safety plan (HSP) was prepared and utilized by MWH field personnel for this project. The HSP identified roles and responsibilities of key personnel; hazard analyses for anticipated chemical, physical, and physiochemical hazards; personnel protection plan; site safety procedures; decontamination plan; and, an emergency response/contingency plan. The MWH field personnel conformed to the Occupational Safety and Health Administration (OSHA) requirements for training and certifications for this type of work, including 40-hour and 8-hour refresher Hazardous Waste Operations and Emergency Response (HAZWOPER) training.

A preliminary health and safety meeting was performed before the commencement of field activities and a brief tailgate health and safety meeting was conducted prior to each fieldwork day. Potentially hazardous conditions during field activities were continuously evaluated to protect the field team and site personnel. MWH supplied personal protective equipment (PPE), including hard hats, safety glasses, hearing protection, gloves and steel-toe boots for MWH personnel; MWH's subcontractors supplied appropriate PPE for their own field personnel.

3.3. Field Sampling Activities

3.3.1. Soil Boring Sampling

Drilling activities were completed on April 4 to 6, 2012. During drilling, a qualified geologist supervised the drilling subcontractor, logged the boring lithology and subsurface materials encountered, collected samples, and described subsurface conditions in accordance with the Unified Soil Classification System (USCS). Organic vapor levels of ambient air

and the headspace of recovered soil samples were measured during drilling activities using a photoionization detector (PID) equipped with a 10.6 electron volt (eV) lamp. Calibration of the PID was performed in accordance with the manufacturer's instructions prior to each day's use.

Soil borings and the monitoring well boring were completed with a direct-push hydraulic drill rig. The subsurface lithology was continuously logged and samples were collected from 5-ft long, 2-inch diameter acetate-lined disposable sample barrels. Boring logs are presented as **Appendix B**. Following sampling, all soil borings were backfilled with hydrated 3/8-inch bentonite chips and the surface was finished to match the surrounding grade.

3.3.2. Monitoring Well Installation, Development and Groundwater Sampling

After completing the soil boring, monitoring well MW-08 was installed. Monitoring well construction materials consisted of 2-inch schedule 40 PVC blank casing and a 10-ft-long, 0.010-inch slotted PVC screen. The filter pack consisted of coarse sand with fine gravel and was installed to approximately 1.5 ft above the screen and capped with an approximate 3-ft bentonite seal. The wells were finished with concrete and flush-grade well monuments. The monitoring well construction log is presented on the boring log in **Appendix B**.

Well development was conducted the day following installation. Well development consisted of surging the well with a surge block and purging the sediment-laden groundwater with a bailer followed by a submersible pump. Geochemical parameters (pH, conductivity, oxidation-reduction potential, temperature, and turbidity) were collected during well development. Well development field forms are presented in **Appendix C**.

Groundwater sampling was conducted at least 24 hours after completing well development, and consisted of purging water using a submersible pump and collection of geochemical data at regular intervals until parameters stabilized. Field forms are presented in **Appendix C**.

During a second mobilization, additional water was purged from monitoring well MW-08 to evaluate the physical condition of groundwater in the vicinity of the former UST location.

3.3.3. Sample Identification and Handling

Following sample collection, each sample container was labeled with the following: Site name; unique sample identification (ID) number; the sample collection time and date; and, the requested analysis. Sample containers were checked for integrity and lid closure to prevent leakage, and sample labels were checked for completeness. Batches of sample containers were packaged into coolers packed with ice and fill materials to reduce the likelihood of accidental bottle breakage during transport to the contracted laboratory. Chain-of-custody (COC) procedures were followed for tracking the possession and handling of samples from the time of field collection through laboratory receipt. The COC record was completed and signed by the sampler after sample collection.

3.4. Laboratory Analysis

The samples were delivered to the Test America laboratory located in Seattle, Washington. The analytical reports are presented as **Appendix D**. Samples were analyzed using the following methods:

- Semi-volatile petroleum products (No. 2 diesel and motor oil) by NWTPH-Dx
- Aliphatic and aromatic hydrocarbon fractions by NWTPH-EPH

- Polychlorinated-biphenyls (PCBs) by US Environmental Protection Agency (USEPA) Method 8082

It should be noted that the analytical report also contains data associated with a separate investigation conducted at the Site related to groundwater monitoring well MW-07. The investigation was conducted concurrently with the former UST investigation; however, results of the MW-07 investigation are reported under separate cover.

3.5. Sample Location Survey

Elevations of final sample locations were surveyed by Gray Surveying and Engineering, Inc., which is licensed for such work in the State of Washington. Horizontal coordinates (northings and eastings) are State Plane Coordinate System, Washington State South Zone, North American Datum 1983 (NAD83). Coordinates were determined from static global positioning system (GPS) network observations constrained to National Geodetic Survey Monuments. Elevations are referenced to North American Vertical Datum of 1988 (NAVD88). The ground surface was surveyed for all completed soil borings, and the elevation at ground level and top of casing were surveyed for monitoring well MW-08.

3.6. Investigative Derived Waste

Investigative derived waste (IDW) generated during conduct of the field sampling activities included soil cuttings, purged groundwater, decontamination liquids, PPE, disposable sampling equipment, and other miscellaneous solid waste. Waste was collected in 55-gallon drums segregated by media type. The drums were labeled accordingly and staged in the Site's hazardous waste storage area. GE was provided copies of the laboratory analytical results to properly profile and dispose of the IDW.

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4. RESULTS OF SITE ASSESSMENT PROGRAM

4.1. Local Geologic and Hydrogeologic Conditions

In general, the subsurface of the Site consists of approximately 10 ft of silt with lenses of silty sand, poorly graded sand, and clay. Silty sand and gravel was generally observed from 10 ft to 15 ft bgs. The building foundation is underlain with non-native silty gravel fill material extending to at least 4 ft bgs.

One water-bearing zone was encountered during drilling at approximately 4 to 8 ft bgs, generally located above the silty clay layer. The groundwater flow direction for the water-bearing zone is to the east-southeast, as depicted on Figure 3. Groundwater elevation data for all new and existing wells are summarized in Table 1.

4.2. Field Sampling Observations

During drilling of monitoring well MW-08, stained soil and a hydrocarbon odor was observed between 11.5 and 12.2 ft bgs. A PID reading of 67.3 parts per million (ppm) was also observed at this depth. No other visual or olfactory evidence of potential impacts were observed in the soil borings. All other PID readings were 0 ppm.

A hydrocarbon odor and a rainbow-type sheen were observed during development and sampling of monitoring well MW-08; however, the presence of light non-aqueous phase liquid (LNAPL) was not observed with an interface probe in the well prior to purging and no LNAPL was visually observed during development or sampling. In an effort to be conservative in the evaluation of Site conditions, GE directed MWH to return to the Site on June 28 to 27, 2012 to purge monitoring well MW-08 to confirm the absence of LNAPL in monitoring well MW-08. Approximately 45 gallons of water was purged from MW-08 using a peristaltic pump. No odors, sheen, or LNAPL were observed during interface probe measurements or purging conducted in June 2012. A groundwater sample was not collected as part of the June 2012 effort.

Daily field reports with representative photographs documenting these activities are presented as Appendix A and field forms are presented as Appendix C.

4.3. Screening Criteria

Following receipt of the laboratory analytical results (Appendix D), the data were compared to the following screening criteria:

- Soil - MTCA Method A Standard Formula Values for Industrial and Unrestricted Land Use (Method A) and MTCA Method B Carcinogen and Non-Carcinogen Values.
- Groundwater - MTCA Method A Table Values (Method A) and MTCA Method B Carcinogen and Non-Carcinogen Standard Formula Values (Method B). Results were also compared to Washington Department of Health (WADOH) Maximum Contaminant Levels (MCLs).
- EPH Results - EPH analytical results for soil and groundwater samples were entered into Ecology's Cumulative TPH Risk Spreadsheet calculation workbook for evaluation.

4.4. Data Quality Review

A limited data quality review of the analytical results was performed to evaluate the usability of the reported data. QC samples were collected and used in conjunction with laboratory QC samples to evaluate precision, accuracy, representativeness, completeness, and comparability. Overall, the results indicate that the dataset is acceptable and usable for the purposes of this investigation. The screened analytical data are presented on Tables 2 and 3.

A field duplicate of soil media was used to evaluate the precision of the sample collection and analysis process through the calculation of the relative percent difference (RPD) for duplicate pairs. Because precision is affected by several variables including sample heterogeneity, collection procedures, preparation, and analysis, the results of field duplicate analysis were used as additional evidence to support data quality rather than as a basis for accepting or rejecting data. For guidance, the QC limit for the RPD of duplicate pairs is 50 percent for soil media. RPD values are non-representative when one or both results are qualified as estimated, suspected of blank contamination, or below the laboratory reporting limit. The results of the RPD evaluation indicates that the soil duplicate RPD for C21-C34 Aliphatics (50.9%) exceeds the QC limit indicating slight heterogeneity between the duplicate pair. All other duplicate RPDs are below the QC limit and indicate good agreement between the duplicate pair.

Percent recovery or percent difference issues were noted in several surrogates and laboratory control samples (LCSs). Numerous "X" (estimated results) qualifiers were issued as a result. Numerous "J" (estimated results) qualifiers were issued when analyte concentrations were detected between the associated Method Detection Limit (MDL) and Reporting Limit (RL). The qualifiers do not affect the usability of the data.

Several method blanks associated with the EPH and #2 Diesel and Motor Oil analysis indicated detections of various analytes. Samples were qualified "B" (indicating blank contamination) if they exhibited detections of these analytes at concentrations less than 10 times the method blank concentrations. There was no evidence of gross contamination.

4.5. Analytical Results

4.5.1. Soil

A total of eight soil samples (plus one duplicate) were collected and analyzed for petroleum hydrocarbons and PCBs. The screened analytical results are presented in Table 2 and detected concentrations are shown on Figure 4.

- Motor oil was detected in all samples at concentrations ranging from 43 milligrams per kilogram (mg/kg) to 510 mg/kg. None of the concentrations exceed the MTCA Method A criteria of 2,000 mg/kg.
- No. 2 Diesel was detected in all samples with the exception of YK-SB-20 (4.0-4.7). The detected concentrations ranged from 5.9 mg/kg to 210 mg/kg. None of the concentrations exceed the MTCA Method A criteria of 2,000 mg/kg.
- C8-C10 (Aliphatics) was detected in three samples at concentrations ranging from 0.11 mg/kg to 0.38 mg/kg; C16-C21 (Aliphatics) was detected in five samples at concentrations ranging from 2.8 mg/kg to 280 mg/kg; C21-C34 (Aliphatics) was detected in eight samples at concentrations ranging from 12 mg/kg to 950 mg/kg; C10-C12 (Aromatics) was detected in two samples at 0.082 mg/kg and 0.85 mg/kg; C16-C21 (Aromatics) was detected in seven samples at concentrations ranging from 2.3 mg/kg to 83 mg/kg; C21-C34 (Aromatics) was detected in eight samples at concentrations ranging from 6.2 mg/kg to 160 mg/kg. The detected concentrations for soil samples

collected from the MW-08 boring (sample with highest results) were entered into Ecology's Cumulative TPH Risk Spreadsheet (Appendix E). Ecology's Cumulative TPH Risk Spreadsheet is used to calculate site-specific MTCA Method B and C protective values. The results indicate that no concentrations exceed calculated MTCA Method B or C protective values.

- PCBs were detected in five samples at concentrations ranging from 0.0043 mg/kg to 0.039 mg/kg. None of the detected concentrations exceed the most restrictive MTCA Method A (1.0 mg/kg) or Method B (0.5 mg/kg) criteria.

4.5.2. Groundwater

One groundwater sample was collected and analyzed for petroleum hydrocarbons and PCBs. The screened analytical results are presented in Table 3 and detected concentrations are shown on Figure 4.

- Motor oil (>C24-C36) was detected at a concentration of 390 micrograms per liter (µg/L). The concentration does not exceed the MTCA Method A criteria (2,000 µg/L).
- No. 2 Diesel (C10-C24) was detected at a concentration of 340 µg/L. The concentration does not exceed the MTCA Method A criteria (500 µg/L).
- C16-C21 (Aliphatics) was detected at a concentration of 1.6 µg/L; C16-C21 (Aliphatics) was detected at a concentration of 22 µg/L; C21-C34 (Aliphatics) was detected at a concentration of 46 µg/L; C12-C16 (Aromatics) was detected at a concentration of 5.6 µg/L; C16-C21 (Aromatics) was detected at a concentration of 38 µg/L; C21-C34 (Aromatics) was detected at a concentration of 25 µg/L. To calculate a cumulative potable groundwater cleanup level, the concentrations from the entire hydrocarbon range were entered into Ecology's Cumulative TPH Risk Spreadsheet (Appendix E) and results indicate that the concentrations do not exceed the calculated MTCA Method B protective value.
- PCBs were not detected.

4.5.3. Investigation Derived Waste

Two composite grab samples (one liquid and one solid) collected from Investigative Derived Waste (IDW) drums during a previous Phase II ESA conducted at the Site were analyzed for metals, VOCs, SVOCs, PCBs, total cyanide, total sulfides, and pH (liquid sample only). Based on the results, the waste was determined to be non-hazardous. Analytical results from the IDW analysis and the former UST investigation were provided to the Site and GE properly disposed of the waste in accordance with applicable laws and regulations.

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5. SUMMARY AND CONCLUSIONS

On January 11, 2012, representatives from GE and MWH met with Ecology to discuss the results of the 2008 UST removal. Based on discussions with Ecology, it was agreed to conduct four soil borings in the vicinity of the former UST, collect two soil samples from each boring, and install a groundwater monitoring well in one of the downgradient borings.

On April 4 to 6, 2012, a soil and groundwater investigation was conducted in the vicinity of the former UST. Four soil borings were drilled and a groundwater monitoring well was installed in one of the borings. Two soil samples were collected from each soil boring and one groundwater sample was collected from monitoring well MW-08, located downgradient of the former UST location. The samples were analyzed for No. 2 diesel and motor oil, aliphatic and aromatic hydrocarbon fractions, and PCBs.

A hydrocarbon odor and rainbow-type sheen were observed during the initial development and sampling of monitoring well MW-08; however, no measurable LNAPL was present in the well prior to development and no LNAPL was observed during purging or sampling. In an effort to be conservative in the evaluation of Site conditions, GE directed MWH to return to the Site on June 28 to 27, 2012 to purge monitoring well MW-08 to confirm the absence of LNAPL in monitoring well MW-08. No odors, or sheen, or LNAPL were observed during interface probe measurements or purging conducted in June 2012. In addition, none of the detected concentrations in the soil and groundwater samples collected during the investigation exceed established or calculated MTCA screening levels. Based on the visual observations and analytical results, MWH believes no further action is necessary regarding the former UST and a NFA opinion is requested from Ecology.

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6. REFERENCES

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7. LIMITATIONS

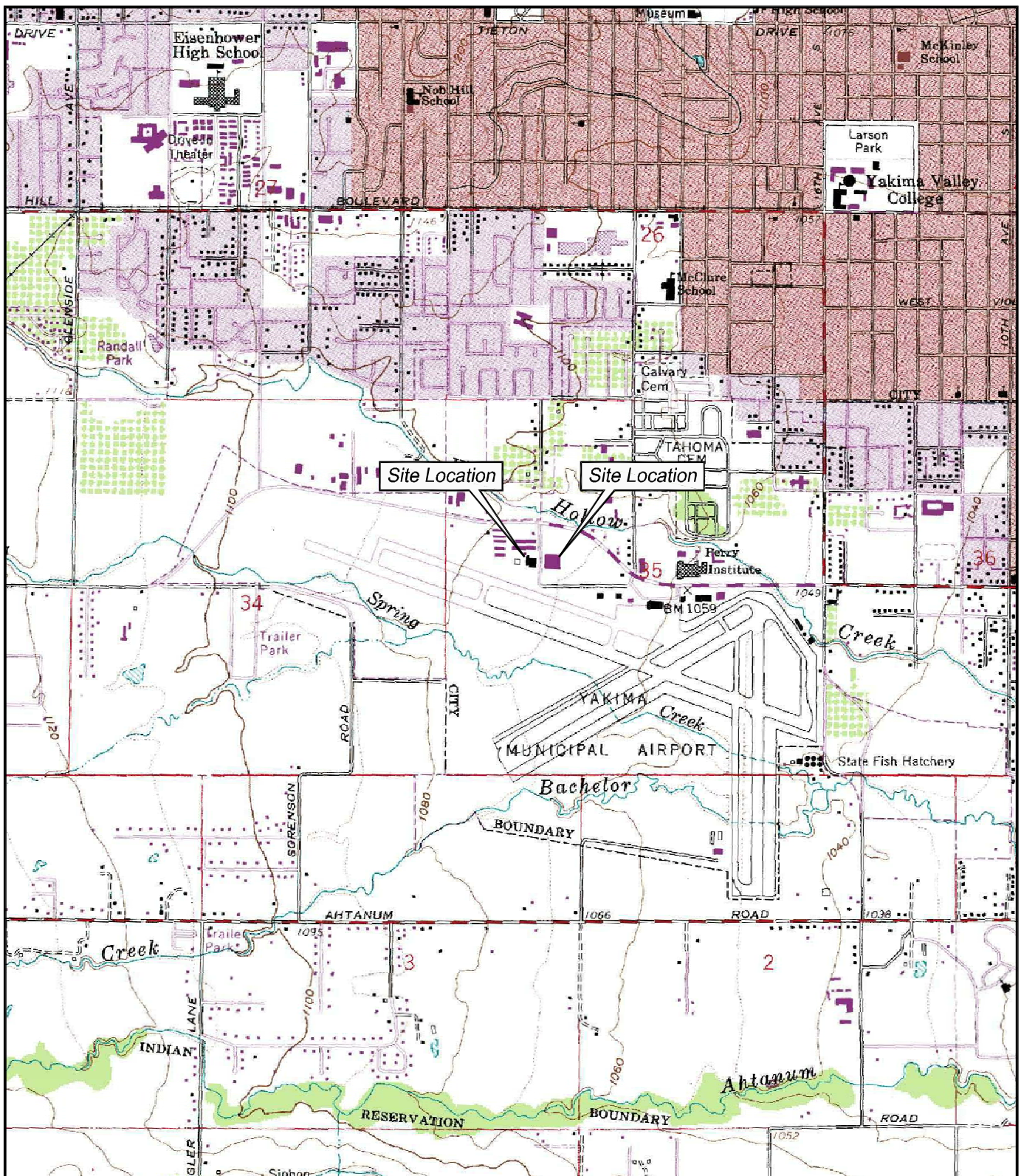
This investigation was conducted by MWH for the benefit of MWH's client. It is based upon a specific scope agreed on between MWH and MWH's client and, therefore, may have limitations, assumptions, and/or rely on information/data which are not obvious on the face of it. Reliance should, therefore, not be made upon this report without further consultation with MWH. The information contained in this report reflects MWH's best judgment based on the information available at the time of report preparation, and in part on the interpretation of data from discrete sampling locations that may not represent conditions at unsampled locations.

Any interpretations and recommendations given in this report represent the opinions of MWH in accordance with a specific brief and as such do not necessarily address all aspects which may surround the subject area. MWH's liability under this report is limited to the agreement with its client. No liability or duty of care is accepted by MWH with respect to use of this report by any other person. Any reliance placed upon any matters upon which MWH has reported by any person other than MWH's client is done so entirely at their own risk and without recourse to MWH or any of its employees or agents for any loss, damage or expense of whatsoever nature which may be caused by any use they choose to make of this report.

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FIGURES

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SOURCE: U.S.G.S. 7.5' QUAD SHEET
YAKIMA WEST, WASHINGTON
REVISED 1981

NOTE: SITE LOCATION INCLUDES TWO
SEPARATE PROPERTIES

0 FEET 2000

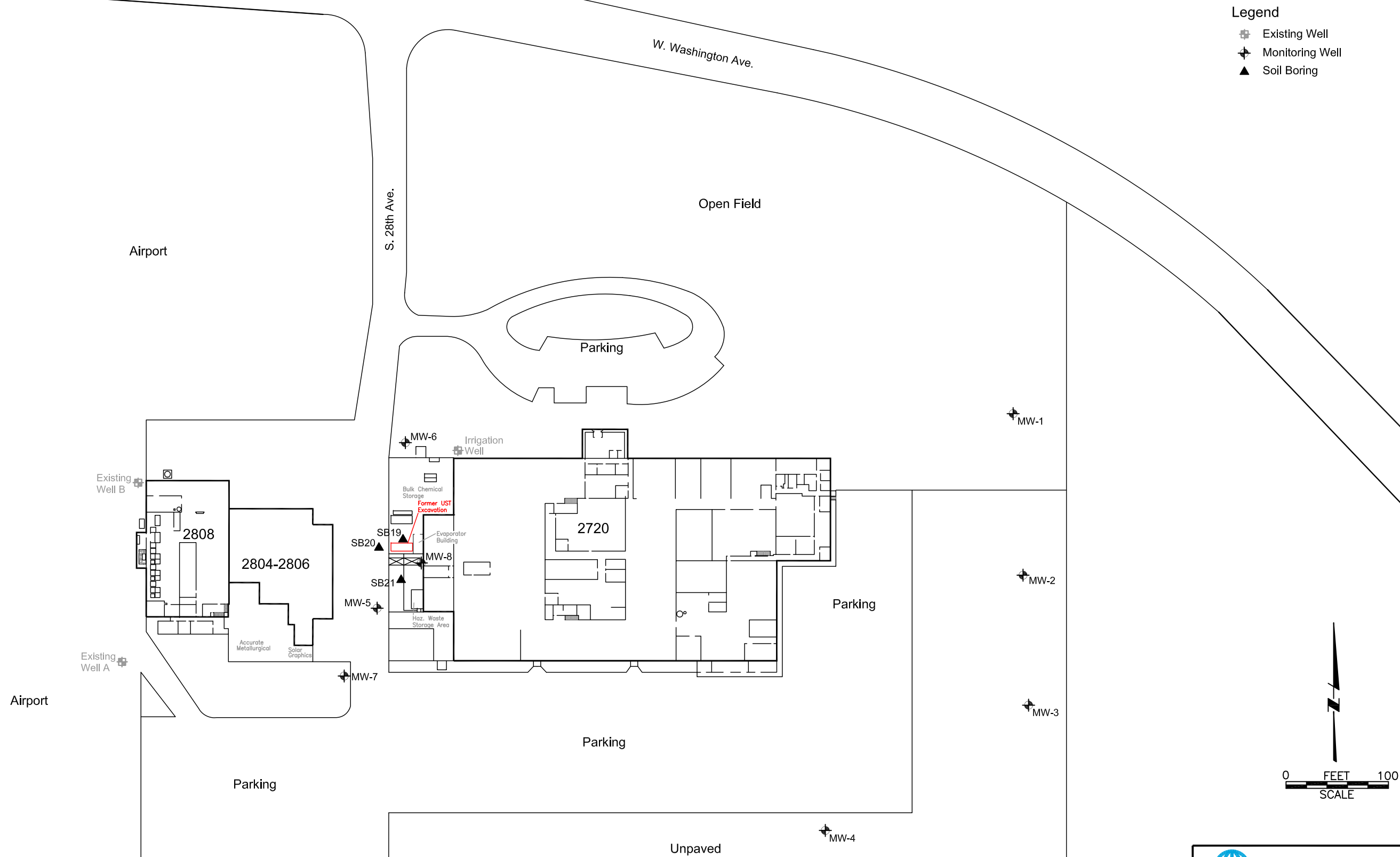


MWH

GE AVIATION
2720, 2804-2806, & 2808 W. WASHINGTON AVE.
YAKIMA, WASHINGTON

SITE LOCATION MAP

FIGURE 1

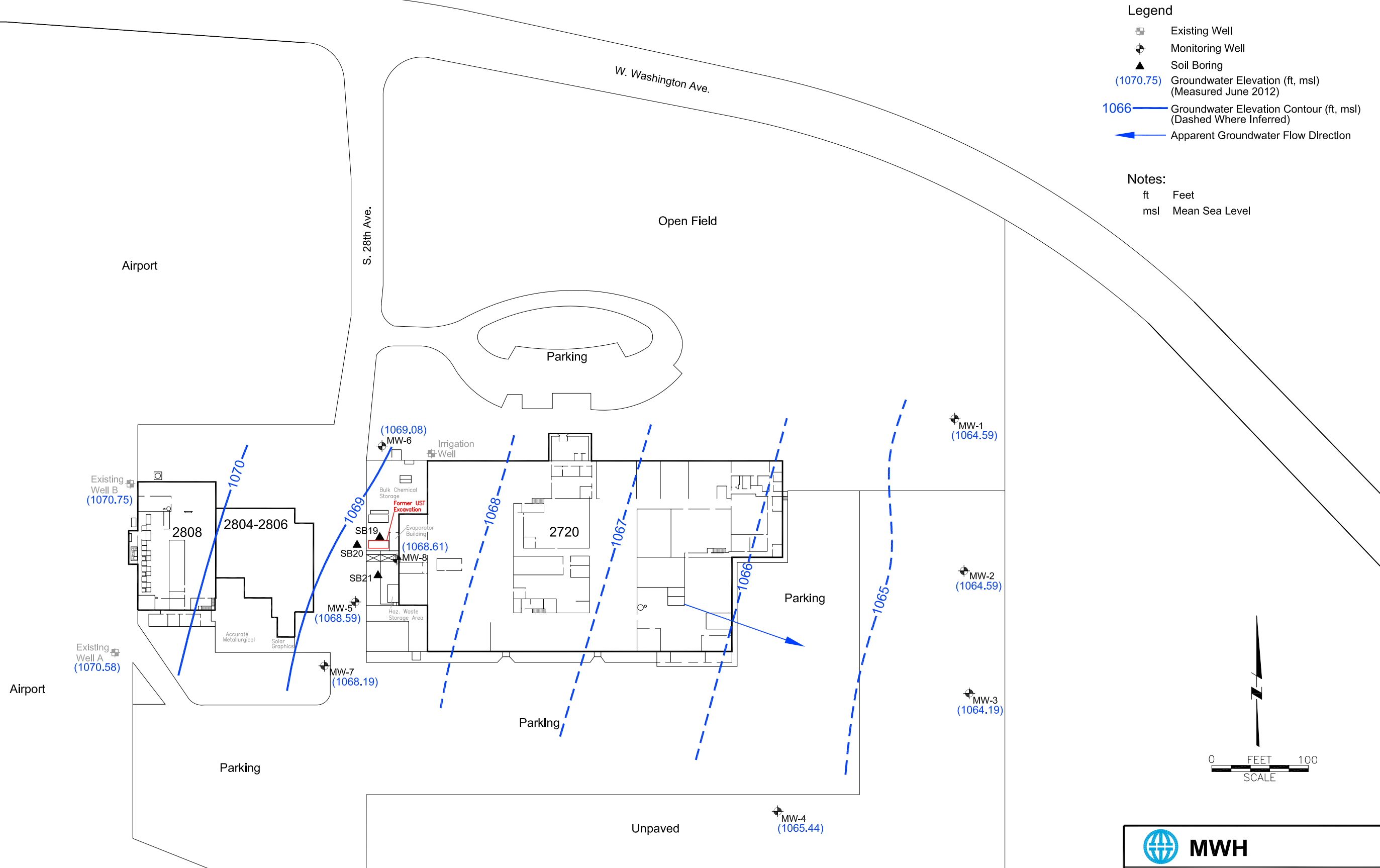


MWH

GE AVIATION
2720, 2804-2806, & 2808 W. WASHINGTON AVE.
YAKIMA, WASHINGTON

SITE PLAN AND
SAMPLE LOCATIONS

FIGURE 2



GE AVIATION
2720, 2804-2806, & 2808 W. WASHINGTON AVE.
YAKIMA, WASHINGTON

GROUNDWATER POTENTIOMETRIC
SURFACE JUNE 2012

FIGURE 3

TABLES

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TABLE 1: Groundwater Elevation Data
Former UST Investigation
GE Aviation - Yakima, WA

Monitoring Well Location ID	Date	Top of Casing Elevation (ft amsl)	Depth To Groundwater (ft)	Groundwater Elevation (ft amsl)	Comments
MW-1	6/27/2012	1072.27	7.68	1064.59	No odor
MW-2	6/27/2012	1072.42	7.83	1064.59	No odor
MW-3	6/27/2012	1070.97	6.78	1064.19	No odor
MW-4	6/27/2012	1071.98	6.54	1065.44	No odor
MW-5	6/27/2012	1075.44	6.85	1068.59	No odor
MW-6	6/27/2012	1076.64	7.56	1069.08	No odor
MW-7	6/27/2012	1075.77	7.58	1068.19	No odor
MW-8	6/27/2012	1076.88	8.27	1068.61	No odor
EW-A	6/27/2012	1077.20	NM	NM	NM (no access)
EW-B	6/27/2012	1077.98	7.23	1070.75	No odor

Notes:

ft = feet

amsl = above mean sea level

NM = not measured

TABLE 2
SUMMARY OF SOIL ANALYTICAL RESULTS
Former UST Investigation
GE Aviation - Yakima, Washington

Analyte	Unit	WADOE MTCA Screening Levels				YK-SB-19 (3.3-4.3) 5-Apr-12	YK-SB-19 (9.0-10.0) 5-Apr-12	YK-SB-20 (4.0-4.7) 5-Apr-12	YK-SB-20 (5.2-6.5) 5-Apr-12	YK-SB-20 (5.2-6.5) Dup 5-Apr-12	YK-SB-21 (4.5-5.0) 4-Apr-12	YK-SB-21 (9.8-10.0) 4-Apr-12	YK-MW-08 (4.2-5.0) 4-Apr-12	YK-MW-08 (11.45-12.2) 4-Apr-12	
		Method A, Industrial ¹	Method A, Unrestricted ¹	Method B, Carcinogen ²	Method B, Non-Carcinogen ²										
Petroleum Hydrocarbons															
C8-C10 Aliphatics	mg/kg	-	-	-	-	5.3 U	5.3 U	6.8 U	0.11 J	0.17 J	10 U	11 U	12 U	0.38 J x	
C10-C12 Aliphatics	mg/kg	-	-	-	-	5.3 U	5.3 U	6.8 U	13 U	13	10 U	11 U	12 U	48 x	
C12-C16 Aliphatics	mg/kg	-	-	-	-	5.3 U	5.3 U	6.8 U	13 U	13	10 U	11 U	12 U	41 x	
C16-C21 Aliphatics	mg/kg	-	-	-	-	4.5 J	6.0	6.8 U	13 U	13	10 U	2.8 J	2.8 J	280 x	
C21-C34 Aliphatics	mg/kg	-	-	-	-	12	15	6.8 U	19	32	38	28	54	950 x	
C8-C10 Aromatics	mg/kg	-	-	-	-	5.3 U	5.3 U	6.8 U	13 U	13	10 U	11 U	12 U	1.4 J x	
C10-C12 Aromatics	mg/kg	-	-	-	-	5.3 U	0.082 J	6.8 U	13 U	13	10 U	11 U	12 U	0.85 J x	
C12-C16 Aromatics	mg/kg	-	-	-	-	5.3 U	5.3 U	6.8 U	13 U	13	10 U	11 U	12 U	9.7 x	
C16-C21 Aromatics	mg/kg	-	-	-	-	2.6 J	2.3 J	6.8 U	4.6 J	2.9 J	2.6 J	11 U	7.9 J	83 x	
C21-C34 Aromatics	mg/kg	-	-	-	-	8.3	6.2	6.8 U	27	36	41	19	50	160 x	
No. 2 Diesel (C10-C24)	mg/kg	2000	2000	-	-	5.9 J	13 J	33 U	8.8 J	12 J	11 J	9.0 J	8.3 J	210 Y	
Motor Oil (>C24-C36)	mg/kg	2000	2000	-	-	46 J B	65 B	43 J B	130 B	160 B	170 B	110 B	130 B	510 B Y	
PCBs															
Aroclor 1016	mg/kg	-	-	14.3	5.6	0.010 U	0.011 U x	0.013 U x	0.013 U x	0.013 U x	0.010 U x	0.011 U	0.011 U x	0.012 U	
Aroclor 1221	mg/kg	-	-	-	-	0.011 U	0.012 U x	0.014 U x	0.014 U x	0.015 U x	0.011 U x	0.012 U	0.013 U x	0.014 U	
Aroclor 1232	mg/kg	-	-	-	-	0.011 U	0.012 U x	0.014 U x	0.014 U x	0.015 U x	0.011 U x	0.012 U	0.013 U x	0.014 U	
Aroclor 1242	mg/kg	-	-	-	-	0.010 U	0.011 U x	0.013 U x	0.013 U x	0.013 U x	0.010 U x	0.011 U	0.011 U x	0.012 U	
Aroclor 1248	mg/kg	-	-	-	-	0.010 U	0.011 U x	0.013 U x	0.013 U x	0.013 U x	0.010 U x	0.011 U	0.011 U x	0.012 U	
Aroclor 1254	mg/kg	-	-	0.5	1.6	0.010 U	0.011 U x	0.013 U x	0.0044 J x	0.0043 J x	0.015 x	0.023	0.0030 J x	0.012 U	
Aroclor 1260	mg/kg	-	-	0.5	-	0.010 U	0.011 U x	0.013 U x	0.013 U x	0.013 U x	0.015 x	0.016	0.0089 J x	0.012 U	
Total PCBs (Calculated)	mg/kg	10	1	0.5	-	NC	NC	NC	0.0044	0.0043	0.030	0.039	0.0119	NC	

Notes:

1.23	Detected concentration (exceeds MDL)
1.23	Concentration exceeds one or more MTCA Method A Standard Formula Values
1.23	Concentration exceeds one or more MTCA Method B Standard Formula Values
YK-SB-19	Sample ID
(4.5-5.0)	Sample Interval
5-Apr-12	Sample Date
mg/kg	milligrams per kilogram
MTCA	Model Toxics Control Act
WADOE	Washington State Department of Ecology
MDL	method detection limit
RL	reporting limit
¹	WADOE MCTA Method A Standard Formula Values for Soil
²	WADOE MTCA Method B Standard Formula Value for Soil, Direct Contact (ingestion only), Unrestricted Land Use
-	No MTCA screening level established for this analyte
NC	Not calculated due to non-detect results for all contributing constituents
U	Analyte not detected at or above the associated MDL
J	Analyte concentration detected between the associated MDL and RL
B	Analyte detected in associated laboratory blank.
Y	Analyte most closely resembles a complex hydrocarbon mixture.
x	Laboratory surrogate failed low recovery threshold due to matrix interference

TABLE 3
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
Former UST Investigation
GE Aviation - Yakima, Washington

Analyte	Unit	WADOE MTCA Screening Levels			WADOH	MW-08 6-Apr-12
		Method A ¹	Method B, Carcinogen ²	Method B, Non- Carcinogen ²	MCL ³	
Petroleum Hydrocarbons						
C8-C10 Aliphatics	µg/L	-	-	-	-	48 U
C10-C12 Aliphatics	µg/L	-	-	-	-	48 U
C12-C16 Aliphatics	µg/L	-	-	-	-	1.6 J B
C16-C21 Aliphatics	µg/L	-	-	-	-	22 J B
C21-C34 Aliphatics	µg/L	-	-	-	-	46 J B
C8-C10 Aromatics	µg/L	-	-	-	-	48 U
C10-C12 Aromatics	µg/L	-	-	-	-	48 U
C12-C16 Aromatics	µg/L	-	-	-	-	5.6 J B
C16-C21 Aromatics	µg/L	-	-	-	-	38 J B
C21-C34 Aromatics	µg/L	-	-	-	-	25 J B
No. 2 Diesel (C10-C24)	µg/L	500	-	-	-	340 Y
Motor Oil (>C24-C36)	µg/L	500	-	-	-	390 Y
PCBs						
Aroclor 1016	µg/L	-	1.25	1.12	-	0.47 U *
Aroclor 1221	µg/L	-	-	-	-	0.47 U
Aroclor 1232	µg/L	-	-	-	-	0.47 U
Aroclor 1242	µg/L	-	-	-	-	0.47 U
Aroclor 1248	µg/L	-	-	-	-	0.47 U
Aroclor 1254	µg/L	-	0.0437	0.32	-	0.47 U
Aroclor 1260	µg/L	-	0.0437	-	-	0.47 U *
Total PCBs (Calculated)	µg/L	0.1	0.04375	-	0.5	NC

Notes:

- 1.23** Detected concentration (exceeds MDL)
- 1.23** Concentration exceeds MTCA Method A Table Value
- 1.23** Concentration exceeds one or more MTCA Method B Standard Formula Values
- 1.23** Concentration exceeds the WADOH MCL

- MW-08 Well ID
- 6-Apr-12 Sample Date
- µg/L micrograms per liter
- MTCA Model Toxics Control Act
- WADOE Washington State Department of Ecology
- WADOH Washington Department of Health
- MDL method detection limit
- RL reporting limit
- ¹ WADOE MTCA Method A Table Value for Groundwater
- ² WADOE MTCA Method B Standard Formula Value for Groundwater
- ³ WADOH Maximum Contaminant Level (MCL)
- No MTCA screening level established for this analyte
- NC Not calculated due to non-detect results for all contributing constituents
- U Analyte not detected at or above the associated MDL
- J Analyte concentration detected between the associated MDL and RL
- B Analyte detected in associated laboratory blank.
- Y Analyte more closely resembles complex hydrocarbon mixture.
- * Laboratory surrogate failed low recovery threshold; insufficient sample to perform re-extraction.

APPENDIX A: DAILY FIELD REPORTS

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**MWH****DAILY FIELD REPORT NO. 1**

806 SW Broadway
Suite 200
Portland, OR 97205

GE Aviation
2720 Washington Ave.
Yakima, WA 98903

DATE: 4/04/12
WEATHER: 52 F, Sunny
PROJECT NO.: 10500410.010104

TOTAL DAILY HOURS WORKED: 28.5
TOTAL CUMULATIVE HOURS WORKED: 28.5
Everyone Safely Off Site: YES

ON-SITE PERSONNEL (name, affiliation, project title, hours on site)

Christine Nancarrow, MWH, On-Site Representative, 10 hrs

OTHER SUBCONTRACTORS (name, affiliation, purpose of visit, hours on site)

Rich Jessen; Utilities Plus, Underground Utility locator, 2.5 hrs

Tyler Day; Cascade Drilling, Drilling contractor, 7.0 hrs

Chris Bell; Cascade Drilling, Drilling contractor, 7.0 hrs

Michael Woods; Utility Clearance, Public utility locator, 1 hr

Eddie Jasso; Utility Clearance, Public utility locator, 1 hr

EQUIPMENT & SUPPLIES (type, usage)

1 Geoprobe utilized in drilling activities

1 concrete cutter, 1 shovel utilized in utility clearance

DESCRIPTION OF TASKS PERFORMED

1 Held safety meetings with Utilities Plus

2 Completed private underground utility clearance.

3 Held safety meeting with Utility Clearance workers.

4 Completed public telephone and electrical underground clearance.

5 Held safety meeting with Cascade Drilling.

6 Completed concrete coring at MW-08, SB-21

7 Began and completed drilling MW-08 from 0-15' bgs. Installed well and collected shallow and deep bore sample.

8 Began and completed drilling SB-21 from 0-10' bgs and collected shallow and deep bore sample.

9 Completed surface completion at MW-08 and SB-21

PROJECT NOTES (health and safety, problems encountered/corrective actions, etc.)

1 Rolloff bin was moved upon arrival. Pallets and supplies required movement for access to SB-21 in southern storage area.

2 Discussed location of MW-08.

3 Discussed location of SB-21.

4 Discussed location of SB-20 (relocated to west of trench and utilities into asphalt).

5 Staining noted in SB-20 (soil boring south of removed UST) from 11.45'-12.2' bgs. Sample was collected.

IDW TRACKING (ID, container size and type, contents, remaining capacity (%))

IDW-1, 55 gal drum, PPE/soil cuttings, 20%

IDW-2, 55 gal drum, decontamination fluid, 10%

NEXT DAY'S PLANNED ACTIVITIES

Complete concrete coring of SB-19.

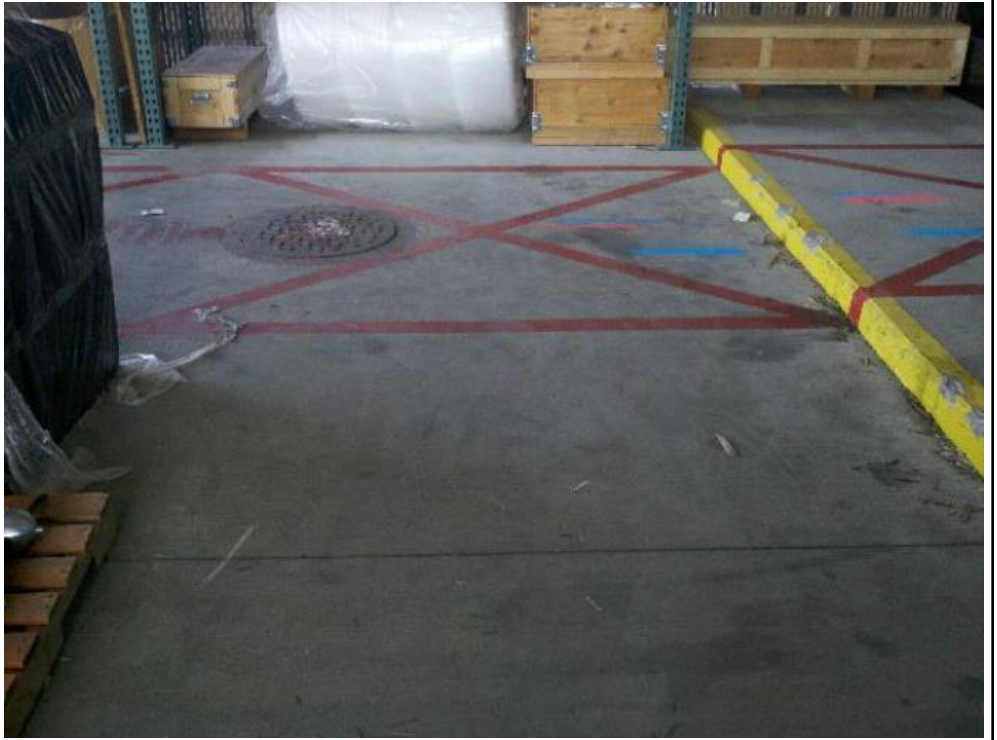
Complete drilling of SB-19, SB-20

Well Development of MW-08

Complete drilling of SB-22, SB-23, SB-24.

PREPARED BY: _____ Christine Nancarrow, MWH**REVIEWED BY:** _____ Meghann Chell, MWH**DAILY FIELD REPORT LOG**

Report No.	Date	Activity	Description
01	4/4/2012	Mobilization/Setup/Drilling	MW-08/SB-21 Drilling

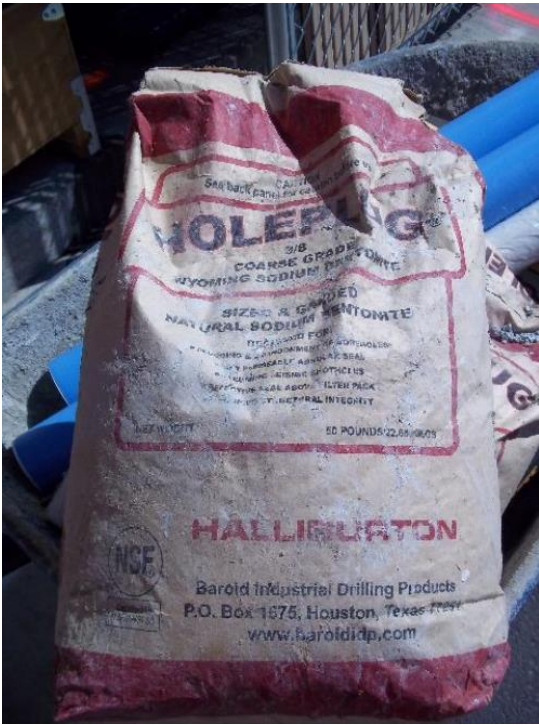
Client:	GE Aviation	Project:	10500410.010104
Site Name:	GEA - Yakima	Site Location:	Yakima, Washington
Photograph ID: 1			
Photo Location: South of former UST area			
Direction: North, downward			
Survey Date: 4/4/2012			
Comments: View of proposed SB-21 location south of the UST. This alternate location south of the storage racks was utilized due to access issues observed at original location.			
Photograph ID: 2			
Photo Location: South of former UST area			
Direction: North, downward			
Survey Date: 4/4/2012			
Comments: View of proposed MW-08 location southeast of the UST. This alternate location east of the storage racks was utilized due to access issues observed at original location.			

Client:	GE Aviation	Project:	10500410.010104
Site Name:	GEA - Yakima	Site Location:	Yakima, Washington
Photograph ID: 3			
Photo Location: South of former UST area			
Direction: Northwest			
Survey Date: 4/4/2012			
Comments: View of Site materials obstructing relocated SB-21 location.			
Photograph ID: 4			
Photo Location: MW-08			
Direction: East			
Survey Date: 4/4/2012			
Comments: Overview of drilling setup on MW-08 prior to drilling.			

Client:	GE Aviation	Project:	10500410.010104
Site Name:	GEA - Yakima	Site Location:	Yakima, Washington
Photograph ID: 5			
Photo Location: MW-08			
Direction: Northeast			
Survey Date: 4/4/2012			
Comments: View of MW-08 borehole placement.			
Photograph ID: 6			
Photo Location: MW-08			
Direction: Downward			
Survey Date: 4/4/2012			
Comments: View of MW-08 borehole after removal of 6" concrete.			

Client:	GE Aviation	Project:	10500410.010104
Site Name:	GEA - Yakima	Site Location:	Yakima, Washington
Photograph ID: 7			
Photo Location: MW-08			
Direction: East			
Survey Date: 4/4/2012			
Comments: Geologist working area utilized for soil logging and well development activities.			
Photograph ID: 8			
Photo Location: MW-08			
Direction: Downward			
Survey Date: 4/4/2012			
Comments: View of stained soil observed in MW-08 at approximately 11.45'-12.2' bgs.			

Client:	GE Aviation	Project:	10500410.010104
Site Name:	GEA - Yakima	Site Location:	Yakima, Washington
Photograph ID: 9			
Photo Location: MW-08			
Direction: Downward			
Survey Date: 4/4/2012			
Comments: A close-up view of stained soil observed in MW-08 at approximately 11.45'-12.2' bgs.			
Photograph ID: 10			
Photo Location: MW-08			
Direction: Downward			
Survey Date: 4/4/2012			
Comments: View of stained soil observed in MW-08 at approximately 11.45'-12.2' bgs. A hydrocarbon odor was also noted.			

Client:	GE Aviation	Project:	10500410.010104
Site Name:	GEA - Yakima	Site Location:	Yakima, Washington
Photograph ID: 11			
Photo Location: MW-08			
Direction: Downward			
Survey Date: 4/4/2012			
Comments: View of bottom well cap, plug, and lock for MW-08 prior to well construction.			
Photograph ID: 12			
Photo Location: MW-08			
Direction: Downward			
Survey Date: 4/4/2012			
Comments: View of bentonite chips utilized in the construction of MW-08 and abandonment of Site soil borings.			

Client:	GE Aviation	Project:	10500410.010104
Site Name:	GEA - Yakima	Site Location:	Yakima, Washington
Photograph ID: 13			
Photo Location: MW-08			
Direction: Downward			
Survey Date: 4/4/2012			
Comments: View of well construction materials prior to construction of MW-08.			
Photograph ID: 14			
Photo Location: MW-08			
Direction: Downward			
Survey Date: 4/4/2012			
Comments: View of concrete mix utilized in the surface completion of MW-08, SB-19 and SB-21.			

Client:	GE Aviation	Project:	10500410.010104
Site Name:	GEA - Yakima	Site Location:	Yakima, Washington
Photograph ID: 15			
Photo Location: MW-08			
Direction: Northeast			
Survey Date: 4/4/2012			
Comments: View of MW-08 prior to surface completion.			
Photograph ID: 16			
Photo Location: MW-08			
Direction: Northeast			
Survey Date: 4/4/2012			
Comments: View of completed MW-08.			

Client:	GE Aviation	Project:	10500410.010104
Site Name:	GEA - Yakima	Site Location:	Yakima, Washington
Photograph ID: 17			
Photo Location: SB-21			
Direction: West			
Survey Date: 4/4/2012			
Comments: View of limited access available for Geoprobe in drilling SB-21.			

**MWH****DAILY FIELD REPORT NO. 2**

806 SW Broadway
Suite 200
Portland, OR 97205

GE Aviation
2720 Washington Ave.
Yakima, WA 98903

DATE: 4/5/12
WEATHER: 43 F, Cloudy, Lt. Rain
PROJECT NO.: 10500410.010104

TOTAL DAILY HOURS WORKED: 22.0
TOTAL CUMULATIVE HOURS WORKED: 50.5
Everyone Safely Off Site: YES

ON-SITE PERSONNEL (name, affiliation, project title, hours on site)

Christine Nancarrow, MWH, On-Site Representative, 8 hrs

OTHER SUBCONTRACTORS (name, affiliation, purpose of visit, hours on site)

Tyler Day; Cascade Drilling, Drilling contractor, 7.0 hrs

Chris Bell; Cascade Drilling, Drilling contractor, 7.0 hrs

EQUIPMENT & SUPPLIES (type, usage)

1 Geoprobe utilized in drilling activities

1 PID utilized in soil boring activities.

1 multi-parameter meter utilized in well development activities.

1 turbidity meter utilized in well development activities.

DESCRIPTION OF TASKS PERFORMED

- 1 Conducted safety meeting with Cascade drillers.
- 2 Began and completed SB-19 from 0-10' bgs and collected a shallow and deep borehole sample.
- 3 Began and completed SB-20 from 0-10' bgs and collected a shallow and deep borehole sample.
- 4 Began and completed SB-22 from 0-10' bgs and collected a shallow and deep borehole sample.
- 5 Began and completed SB-23 from 0-10' bgs and collected a shallow and deep borehole sample.
- 6 Began and completed SB-24 from 0-10' bgs and collected a shallow and deep borehole sample.
- 7 Began and completed development of MW-08.
- 8 Completed surface completion at SB-19, SB-20.
- 9 Rescheduled Gray's Surveying visit for 4/6/12

PROJECT NOTES (health and safety, problems encountered/corrective actions, etc.)

- 1 Strong hydrocarbon odor noted during development of MW-08. Visible sheen noted during purging.
- 2 Gray's Surveying did not arrive onsite as scheduled. Surveying of MW-08 rescheduled for 4/6/12 at 1pm.

IDW TRACKING (ID, container size and type, contents, remaining capacity (%))

IDW-1, 55 gal drum, PPE/soil cuttings, 80%

IDW-2, 55 gal drum, decontamination fluid, 100%

NEXT DAY'S PLANNED ACTIVITIES

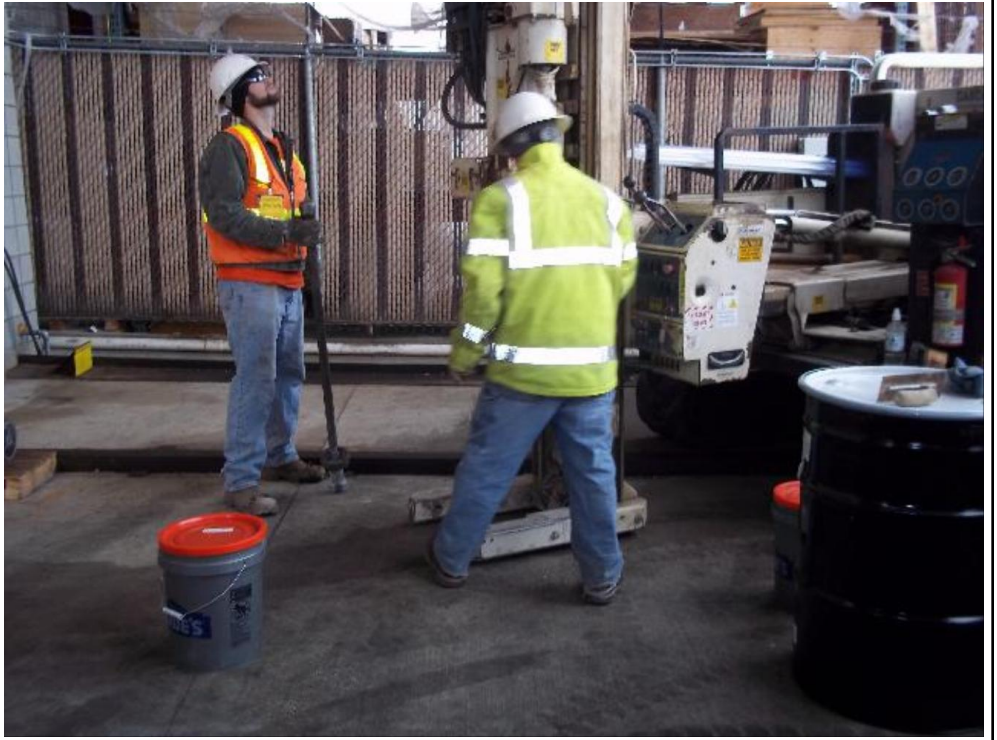
Survey of completed MW-08.

Collection of groundwater sample at MW-08.

PREPARED BY: _____ Christine Nancarrow, MWH**REVIEWED BY:** _____ Meghann Chell, MWH**DAILY FIELD REPORT LOG**

Report No.	Date	Activity	Description
01	4/4/2012	Mobilization/Setup/Drilling	MW-08/SB-21 Drilling
02	4/5/2012	Drilling/Driller Demob	SB-19, SB-20, SB-22, SB-23, SB-24 drilling; Development of MW-08.

Client:	GE Aviation	Project:	10500410.010104
Site Name:	GEA - Yakima	Site Location:	Yakima, Washington
Photograph ID: 1			
Photo Location: SB-19			
Direction: Northeast			
Survey Date: 4/5/2012			
Comments: Overview of drilling setup on SB-19 prior to drilling.			
Photograph ID: 2			
Photo Location: SB-19			
Direction: Southwest			
Survey Date: 4/5/2012			
Comments: Overview of drilling setup on SB-19 prior to drilling.			

Client:	GE Aviation	Project:	10500410.010104
Site Name:	GEA - Yakima	Site Location:	Yakima, Washington
Photograph ID: 3			
Photo Location: SB-19			
Direction: South			
Survey Date: 4/5/2012			
Comments: Additional view of drilling setup on SB-19 prior to drilling.			
Photograph ID: 4			
Photo Location: SB-20			
Direction: North			
Survey Date: 4/5/2012			
Comments: Overview of drilling setup on SB-20 prior to drilling.			

**MWH****DAILY FIELD REPORT NO. 3**

806 SW Broadway
Suite 200
Portland, OR 97205

GE Aviation
2720 Washington Ave.
Yakima, WA 98903

DATE: 4/6/12
WEATHER: 55 F, Partly Cloudy
PROJECT NO.: 10500410.010104

TOTAL DAILY HOURS WORKED: 5.5
TOTAL CUMULATIVE HOURS WORKED: 56.0
Everyone Safely Off Site: YES

ON-SITE PERSONNEL (name, affiliation, project title, hours on site)

Christine Nancarrow, MWH, On-Site Representative, 4.5 hrs

OTHER SUBCONTRACTORS (name, affiliation, purpose of visit, hours on site)

Justin Turnbull, Gray's Surveying, 1 hr

EQUIPMENT & SUPPLIES (type, usage)

1 multi-parameter meter, 1 turbidity meter utilized in well purging and sampling activities.

DESCRIPTION OF TASKS PERFORMED

- 1 Conducted safety meeting with Gray's Surveying.
- 2 Performed and completed survey of MW-08.
- 3 Initiated and completed MW-08 groundwater purging. Collected one groundwater sample.
- 4 Collected an IDW solid and liquid sample for characterization of investigative derived waste.

PROJECT NOTES (health and safety, problems encountered/corrective actions, etc.)

- 1 Strong hydrocarbon odor noted during sampling of MW-08. Visible sheen noted during purging.

IDW TRACKING (ID, container size and type, contents, remaining capacity (%))

IDW-1, 55 gal drum, PPE/soil cuttings, 80%

IDW-2, 55 gal drum, decontamination fluid, 100%

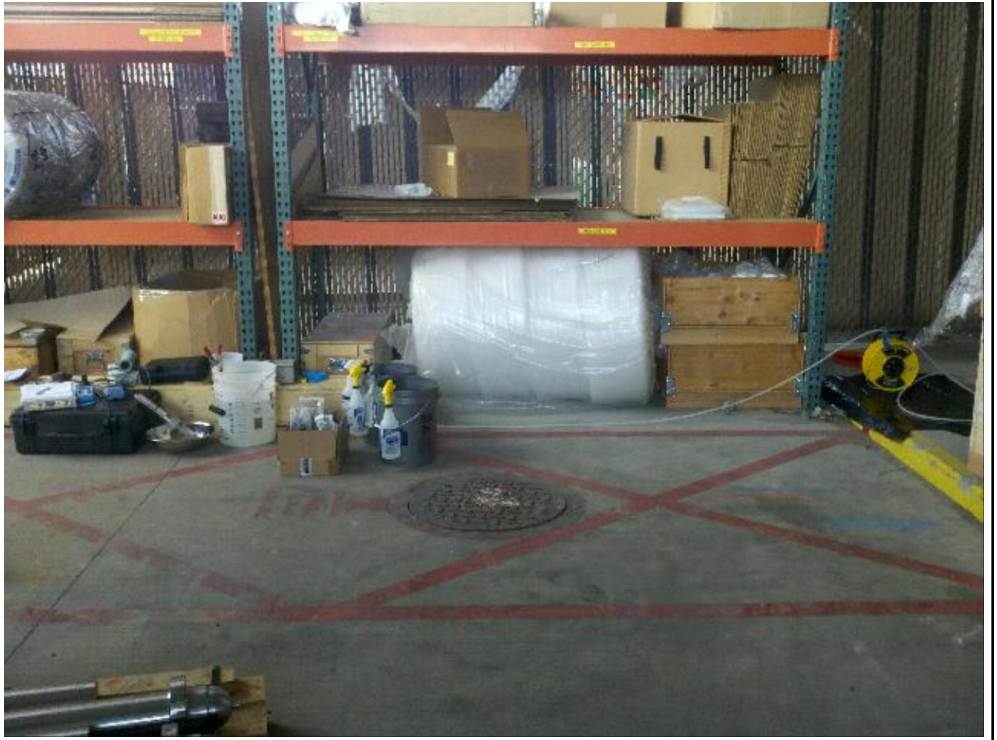
IDW-3, 55 gal drum, decontamination and MW-08 purging fluid, 30%

NEXT DAY'S PLANNED ACTIVITIES

No field activity scheduled.

PREPARED BY: _____ Christine Nancarrow, MWH**REVIEWED BY:** _____ Meghann Chell, MWH**DAILY FIELD REPORT LOG**

Report No.	Date	Activity	Description
01	4/4/2012	Mobilization/Setup/Drilling	MW-08/SB-21 Drilling
02	4/5/2012	Drilling/Driller Demob	SB-19, SB-20, SB-22, SB-23, SB-24 drilling; Development of MW-08.
03	4/6/2012	Groundwater Sampling	MW-08 purging/sampling, IDW sample collection

Client:	GE Aviation	Project:	10500410.010104
Site Name:	GEA - Yakima	Site Location:	Yakima, Washington
Photograph ID: 1			
Photo Location: MW-08			
Direction: North			
Survey Date: 4/6/2012			
Comments: Overview of well purging activities at MW-08.			
Photograph ID: 2			
Photo Location: West of MW-08			
Direction: North, downward.			
Survey Date: 4/6/2012			
Comments: View of purging and groundwater sampling work area.			

Client:	GE Aviation	Project:	10500410.010104
Site Name:	GEA - Yakima	Site Location:	Yakima, Washington
Photograph ID: 3			
Photo Location: MW-08			
Direction: Northeast, downward			
Survey Date: 4/6/2012			
Comments: Close-up view of MW-08 wellhead during groundwater purging and sampling activities.			

**MWH****DAILY FIELD REPORT NO. 01**

5100 SW Macadam Avenue
Suite 420
Portland, OR 97239

GE Aviation
2720 W Washington Ave
Yakima, WA

DATE: 2012-06-27
WEATHER: 78F, Sunny
PROJECT NO.: 1010884.010104

TOTAL DAILY HOURS WORKED: 9.0
TOTAL CUMULATIVE HOURS WORKED: 9.0
Everyone Safely Off Site: YES

ON-SITE PERSONNEL (name, affiliation, project title, hours on site)

Christine Nancarrow, MWH, On-Site Representative, 5.5 hrs

OTHER SUBCONTRACTORS (name, affiliation, purpose of visit, hours on site)

None

EQUIPMENT & SUPPLIES (type, usage)

GEO Low-flow pump, Oil-water interface probe

DESCRIPTION OF TASKS PERFORMED

- 1 Held brief meeting with the Site to discuss scope of work
- 2 Collected accessible sitewide water levels.
- 3 Set up for groundwater purging on MW-08.
- 4 Purged ~15 gallons from MW-08.

PROJECT NOTES (health and safety, problems encountered/corrective actions, etc.)

- 1 Oil sheen in MW-08 not observed; Advised by M. Cira to purge additional 30 gallons and document observations.
- 2 A sample pick up was arranged for Friday at noon from the MWH Bellevue office.

IDW TRACKING (ID, container size and type, contents, remaining capacity (%))

IDW-1, 55 gal drum, MW-08 purge water/decontamination fluids, 20%

NEXT DAY'S PLANNED ACTIVITIES

- 1 Gauge Existing Well A, if accessible.
- 2 Continue purging MW-08 and collected IDW Sample.

PREPARED BY: _____ Christine Nancarrow, MWH

REVIEWED BY: _____ Meghann Chell, MWH

DAILY FIELD REPORT LOG**Report No.**

	Date	Activity	Description
1	6/27/2012	Well gauging and purging	Water levels; Well purging of MW-08.

Client:	GE Aviation	Project:	10500410.010104
Site Name:	GEA Yakima	Site Location:	Yakima, Washington
Photograph ID: 1			
Photo Location: MW-05			
Direction: Downward			
Survey Date: 6/27/2012			
Comments: View of standing water in MW-05 well vault prior to water level gauging.			
Photograph ID: 2			
Photo Location: MW-08			
Direction: Downward			
Survey Date: 6/27/2012			
Comments: View of low-flow Geopump utilized in MW-08 groundwater purging.			

Client:	GE Aviation	Project:	10500410.010104
Site Name:	GEA Yakima	Site Location:	Yakima, Washington
Photograph ID: 3			
Photo Location: MW-08			
Direction: East			
Survey Date: 6/27/2012			
Comments: Overall view of MW-08 groundwater purging equipment and set up.			
Photograph ID: 4			
Photo Location: MW-08			
Direction: South			
Survey Date: 6/27/2012			
Comments: Close-up view of MW-08 purging equipment, pump, and IDW drum.			

**MWH****DAILY FIELD REPORT NO. 02**

5100 SW Macadam Avenue
Suite 420
Portland, OR 97239

GE Aviation
2720 W Washington Ave
Yakima, WA

DATE: 2012-06-28
WEATHER: 83F, Sunny
PROJECT NO.: 1010884.010104

TOTAL DAILY HOURS WORKED: 9.0
TOTAL CUMULATIVE HOURS WORKED: 18.0
Everyone Safely Off Site: YES

ON-SITE PERSONNEL (name, affiliation, project title, hours on site)

Christine Nancarrow, MWH, On-Site Representative, 5.0 hrs

OTHER SUBCONTRACTORS (name, affiliation, purpose of visit, hours on site)

None

EQUIPMENT & SUPPLIES (type, usage)

GEO Low-flow pump, Oil-water interface probe

DESCRIPTION OF TASKS PERFORMED

- 1 Set up for groundwater purging on MW-08.
- 2 Purged ~30 gallons from MW-08.
- 3 Gauged water level from Existing Well A.
- 4 Collected IDW-01-062812 sample

PROJECT NOTES (health and safety, problems encountered/corrective actions, etc.)

- 1 Oil sheen in MW-08 not observed
- 2 During IDW sampling, it was determined by observation and discussion with the Site that the drum provided was not a new, clean drum.

IDW TRACKING (ID, container size and type, contents, remaining capacity (%))

IDW-1, 55 gal drum, MW-08 purge water/decontamination fluids, 80%

NEXT DAY'S PLANNED ACTIVITIES

PREPARED BY: _____ Christine Nancarrow, MWH

REVIEWED BY: _____ Meghann Chell, MWH

DAILY FIELD REPORT LOG**Report No.**

	Date	Activity	Description
1	6/27/2012	Well gauging and purging	Water levels; Well purging of MW-08.
2	6/28/2012	Well gauging and purging	Water level Existing Well A; Well purging of MW-08.

Client:	GE Aviation	Project:	10500410.010104
Site Name:	GEA Yakima	Site Location:	Yakima, Washington
Photograph ID: 1			
Photo Location: MW-08			
Direction: Downward			
Survey Date: 6/28/2012			
Comments: A view of MW-08 discharge (bucket 1). No visible sheen observed. Purge water was colorless and clear. Approximate cumulative groundwater purged: 10-15 gallons.			
Photograph ID: 2			
Photo Location: MW-08			
Direction: Downward			
Survey Date: 6/28/2012			
Comments: A view of MW-08 discharge (bucket 5). No visible sheen observed. Purge water was colorless and clear. Approximate cumulative groundwater purged: 30-35 gallons.			

APPENDIX B: BORING LOGS

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MWH

Drilling Log

Monitoring Well

MW-08

Page: 1 of 1

Project GE Aviation, Yakima, WA Phase II Client GE Aviation
 Location 2720 Washington Ave., Yakima, WA Project Number 10500410.030101
 Surface Elev. 1077.05 ft North NA East NA
 Top of Casing NA Water Level Initial ▽1069.08 04/06/12 00:00 Static ▽NA NA
 Hole Depth 15.0 ft Screen: Diameter 2 in Length 9.5 ft Type/Size Sch. 40 PVC/0.01 in
 Hole Diameter 2.3 in Casing: Diameter 2 in Length 9.5 ft Type Sch. 40 PVC
 Drill Co. Cascade Drilling Method Direct Push (Geoprobe) Sand Pack NA
 Drilling Driller Tyler Day Driller Reg. # Log By C. Nancarrow
 Start Date 4/6/2012 Completion Date 4/6/2012 Checked By J. Rock

COMMENTS

Drilled east of the storage shelves on a raised concrete platform.

Bentonite Grout
 Bentonite Granules
 Grout
 Portland Cement
 Sand Pack
 Sand Pack

Depth (ft)	PID (ppm)	% Recovery	%Gr-Sand-Fines	Recovery	Graphic Log	USCS	Description (Color, Moisture, Texture, Structure, Odor) Geologic Descriptions are Based on the USCS.	Boring Abandonment
0							Concrete.	
		14%	80-5-15				Road Base.	
2			35-60-5			SW	Gravelly SAND w/trace silt, (10YR 3/3), well graded, soft, loose, moist, predominantly fine sand w/medium, trace coarse, predominantly fine gravels, subangular to subrounded, some coarse gravel, angular, weakly cemented, low plasticity.	
4	0.0							
6		7%	0-15-85				No recovery.	
8	0.0							
10	0.0					ML	SILT w/some very fine grained sand, trace coarse sand, poorly graded, brown (10YR 4/3), soft, slightly moist, weakly cemented, nonplastic.	
12	67.3	100%	0-10-60			CL ML	No recovery. Clayey SILT w/trace very fine grained sand, greyish brown (10YR 4/2), very soft, moist, poorly softened, strong cementation, medium plasticity. At 11.45', change to black (10YR 2/1), moist, hydrocarbon odor. At 12.2', changed to greyish brown (10YR 4/2), medium stiff, moist, moderate cementation, medium to low plasticity.	
14	0.0						At 14', change to olive brown (2.5Y 5/3), stiff, weak cementation, low to medium plasticity.	
16							End of boring = 15'.	

DRILLING LOG - GE BORINGS YAKIMA-BORING-LOGS.GPJ MWH IA.GDT 5/10/13



MWH

Drilling Log

Soil Boring

SB-19

Page: 1 of 1

Project GE Aviation, Yakima, WA Phase II Client GE Aviation
 Location 2720 Washington Ave., Yakima, WA Project Number 10500410.030101
 Surface Elev. NA North NA East NA
 Top of Casing NA Water Level Initial NA Static NA
 Hole Depth 10.0 ft Screen: Diameter NA Length NA Type/Size NA
 Hole Diameter 2.0 in Casing: Diameter NA Length NA Type NA
 Drill Co. Cascade Drilling Drilling Method Direct Push Sand Pack NA
 Driller Tyler Day Driller Reg. # Log By C. Nancarrow
 Start Date 4/5/2012 Completion Date 4/5/2012 Checked By J. Rock

COMMENTS

Bentonite Grout Bentonite Granules Grout Portland Cement Sand Pack Sand Pack

Depth (ft)	PID (ppm)	% Recovery	%Gr-Sand-Fines	Recovery	Graphic Log	USCS	Description (Color, Moisture, Texture, Structure, Odor) Geologic Descriptions are Based on the USCS.	Boring Abandonment
0		60%					Concrete.	
2			0-80-20				Aggregate base, light grey (10YR 7/1).	
4	0.0		40-45-15			SM	Silty SAND, very dark greyish brown (10YR 3/2), poorly graded, predominantly very fine grained sand, with medium and coarse grained sand increasing w/depth, dense, slightly moist, weakly cemented, nonplastic.	
6	0.0	20%				GM	Silty GRAVEL, very dark grey (10YR 3/1), well graded, dense, slightly moist, predominantly fine gravel w/some coarse gravel, angular to subangular, well graded sand, coarse to medium grained, angular to subangular, fine grained subangular to subrounded, weak cementation, nonplastic. At 4.3', change to dark yellowish brown (10YR 4/4). At 4.9', change to dark greyish brown (2.5Y 4/2). No recovery.	
8			60-25-15					
10						GM	Silty GRAVEL w/sand, dark greyish brown (10YR 4/2), well graded, dense, slightly moist, predominantly coarse gravel, round to subround 30%, subround to subangular 20%, angular 10%, fine gravel 30%, predominantly coarse sand w/some medium and fine sand, weak cementation, nonplastic, hydrocarbon odor. End of boring = 10'.	
12								
14								
16								

DRILLING LOG - GE BORINGS YAKIMA-BORING-LOGS.GPJ MWH IA.GDT 5/10/13



MWH

Drilling Log

Soil Boring **SB-20**

Page: 1 of 1

Project GE Aviation, Yakima, WA Phase II Client GE Aviation

Location 2720 Washington Ave., Yakima, WA Project Number 10500410.030101

Surface Elev. NA North NA East NA

Top of Casing NA Water Level Initial NA Static NA

Hole Depth 10.0 ft Screen: Diameter NA Length NA Type/Size NA

Hole Diameter 2.0 in Casing: Diameter NA Length NA Type NA

Drill Co. Cascade Drilling Drilling Method Direct Push Sand Pack NA

Driller Tyler Day Driller Reg. # Log By C. Nancarrow

Start Date 4/5/2012 Completion Date 4/5/2012 Checked By J. Rock

COMMENTS

☒ Bentonite Grout ☒ Bentonite Granules ☐ Grout ☒ Portland Cement ☐ Sand Pack ☐ Sand Pack

Depth (ft)	PID (ppm)	% Recovery	%Gr-Sand-Fines	Recovery	Graphic Log	USCS	Description (Color, Moisture, Texture, Structure, Odor) Geologic Descriptions are Based on the USCS.	Boring Abandonment
0		50%					Asphalt. Road base. No recovery.	
2			0-0-100				SILT, dark yellowish brown (10YR 4/4), stiff, dry to slightly moist, weak, nonplastic. At 4', changes to dark brown (10YR 3/3), slightly moist. At 4.6', changes to very dark greyish brown (10YR 3/2). At 5', changes to dark brown (10YR 3/3).	
4	0.0						At 5.8', changes to very dark greyish brown (10YR 3/2).	
6	0.0	100%				ML	At 6.6', changes to dark yellowish brown (10YR 3/4).	
8			0-0-100				At 7.3', changes to brown (10YR 4/3), medium plasticity. At 7.8', changes to wet.	
10							End of boring = 10'.	
12								
14								
16								

DRILLING LOG - GE BORINGS YAKIMA-BORING-LOGS.GPJ MWH IA.GDT 5/10/13



MWH

Drilling Log

Soil Boring

SB-21

Page: 1 of 1

Project GE Aviation, Yakima, WA Phase II Client GE Aviation
 Location 2720 Washington Ave., Yakima, WA Project Number 10500410.030101
 Surface Elev. NA North NA East NA
 Top of Casing NA Water Level Initial NA Static NA
 Hole Depth 10.0 ft Screen: Diameter NA Length NA Type/Size NA
 Hole Diameter 2.0 in Casing: Diameter NA Length NA Type NA
 Drill Co. Cascade Drilling Drilling Method Direct Push Sand Pack NA
 Driller Tyler Day Driller Reg. # Log By C. Nancarrow
 Start Date 4/4/2012 Completion Date 4/4/2012 Checked By J. Rock

COMMENTS

Bentonite Grout Bentonite Granules Grout Portland Cement Sand Pack Sand Pack

Depth (ft)	PIV (ppm)	% Recovery	%Gr-Sand-Fines	Recovery	Graphic Log	USCS	Description (Color, Moisture, Texture, Structure, Odor) Geologic Descriptions are Based on the USCS.	Boring Abandonment
0	0.0	20%					Concrete.	
2			20-20-60				Aggregate. No recovery.	
4	0.0	7%				ML	SILT w/gravel and sand, dark greyish brown (10YR 4/2), medium stiff, medium dense, slightly moist, gravel is fine to coarse, subangular to subrounded, sand is fine to medium, weak cementation, nonplastic. No recovery.	
6			10-10-80					
8								
10						ML	SILT w/some gravel and sand, dark greyish brown (10YR 4/2), soft, slightly moist, gravel is subangular to subrounded, fine, sand is fine, weak cementation, low to nonplastic. End of boring = 10'.	
12								
14								
16								

DRILLING LOG - GE BORINGS YAKIMA-BORING-LOGS.GPJ MWH IA.GDT 5/10/13

APPENDIX C: FIELD FORMS

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**MWH**

Well Development Log

(Pg 1/2)

Project Name 6E Yakima
 Project Number 16500410.010.04
 Field Personnel C. Nancarrow

Well ID# MW-08
 Date 4/5/12

~~MW-08~~ SCREEN INTERVAL = 5-15' bgs
 WELL TD = 15' bgs

Casing Type PVC St. Steel Other _____

CASING DIAMETER (inches) (circle one) 2 3 4 6 8 12 OTHER: _____

GALLONS/LINEAR FOOT 0.17 0.38 0.66 1.5 2.6 5.8 OTHER: _____

TD 15.0 - DTW 7.8 = 7.2' $\frac{0.17 \text{ gallons}}{\text{linear foot}} = \frac{1.224}{1 \text{ casing volume}} \times 3 \text{ casing} = \underline{3.672}$ calculated purge | ACTUAL PURGE

DATE PURGED 4/5/12 @ 1102 START (2400 hr) 1102 END (2400 hr) 1508

PUMP DEPTH (ft bgs)	TIME (2400 hr)	VOLUME (gallons)	pH (units)	CONDUCTIVITY (mS/cm)	ORP (mV)	TEMP. (°F / °C)	COLOR* (visual)	TURBIDITY (NTU)	FLOW RATE (lpm)(gpm)
~8'	1102	~1	—	—	—	—	DK Brown	>1000*	0.5 gpm
~15'	1112	3.5	—	—	—	—	DK Brn.	>1000*	0.5 gpm
								*1	
								*1	
								*1	
								*1	
								*1	
								*1	
								*1	
								*1	
								*1	

DEVELOPMENT PURGING EQUIPMENT		WATER LEVEL AND TOTAL DEPTH				
			@BOD	@ EOD	@BOD	@ EOD
1	SUBMERSIBLE PUMP	DATE/TIME	4/5/12 @ 1011	4/5/12 @ 1600		
	STAINLESS STEEL BAILER	DTW	7.8'	7.8		
1	OTHER (SPECIFY): Surge block	DTB	15.0'	15.0		

REMARKS/COMMENTS 4/5/12 @BOD DTW = 7.8' bgs. Begin surging at ~2 foot intervals for 5 min each. Set up whale pump. Need to prime to get return. @1102: Purging begins, top to bottom, approx 1 min/foot. @1112: Purging ends (3.5 gal. cumulative). @1113: Surging entire screen for 5 min. @1123: Purging begins top to bottom, approx 1 min/foot. ~~@1135: Surging ends~~ @1135 Purging ends - 4 gal @ 1135 need to recharge. @1156-1206: Purging 3.5 gal. ¹²⁵³ @1215-1258: Surging 7-15' bgs. @1259-1307: Purging 3.75 gal. @1312-1334: Purging (4 gal) @1318-1323: Surging entire screen (7-15' bgs). @1337-1342: Surging entire screen. (7-15' bgs) @1342-1350: Pump 3.75 gal. @1353-1358: Surging. @1359-1405: Purging (4.5 gal) @1410-1415: Surging entire screen. @1417-1423: Purging 4 gal.

COMPLETED BY C. Nancarrow

REVIEWED BY _____

SIGNATURE C. NancarrowDATE 4.6.12

* Color is reported: Odor/Color/Clarity. O=odorless, C= colorless, Cl= clear, Cld= Cloudy, v= very, lt=light, brn= brown.

* Utilized turbidity meter supplied by MWH Model LaMotte 2020e). Calibrated 0.0 NTU, 1.0 NTU, 10.0 NTU.



(Pg 2/2)

Well ID# MW-08
Date 4.5.12

$$= \frac{5-15'}{15'}$$

Casing Type

RVC

St. Steel

Other

[illegible]

REMARKS/COMMENTS Cont. @1433-1437. Purging 4gal. @1438-1500 Purging 14.5 gal. @1500/1508, Purging 7.5gal.

COMPLETED BY C Nancarrow

SIGNATURE *C. Han*

REVIEWED BY

DATE 4.5.12

**MWH****GROUNDWATER GAUGING AND SAMPLING LOG**

BUILDING A BETTER WORLD

Client: GE Aviation
Site: Yakima, WA
Well Number: MW-08
Job Number: 10500410-010104

Total well depth (ft): 15'
Well Diameter (in): 2.25" cu 2.0
Borehole Diameter (in): 2.25"

Min. Number Well Volumes to be Purged: 3
Vol. per ft casing (gal): 0.17
Vol. per ft borehole (gal): 1.224
(less casing and filter pack)

Gauging Date: 4.6.12
Bailer ID: NA
Sample Date: 4.6.12

Static water level (ft): 78' b70c
Previous static water level (ft): 78' b70c
Standing water column (ft): 7.2'

Development method: Surge + pump
Purging method: low flow
Sampling method: End of tube

Amt. one well vol (gal): 1.224
Total gal. to be purged: 3.672 min.

* All measurements taken from: ☒ Top of casing, ☐ Protective casing, ☐ Ground level

TIME	AMOUNT PURGED (gal)	EC (mS/cm)	pH	TEMP (C)	TURBIDITY (NTU)	PID (ppm)	COLOR	COMMENTS	SAMPLER'S INITIALS
1515	<u>0</u>	<u>Purging</u>	<u>begins</u>				<u>cu</u>		<u>cu</u>
1523	<u>4</u>	<u>0.610</u>	<u>7.25</u>	<u>13.0</u>	<u>51</u>	<u>-</u>	<u>cloudy</u>	<u>Hydrocarbon odor</u>	<u>6.88</u>
1530	<u>7</u>	<u>0.625</u>	<u>6.90</u>	<u>12.9</u>	<u>41.24</u>	<u>-</u>			<u>6.35</u>
1532	<u>8</u>	<u>0.625</u>	<u>6.72</u>	<u>12.8</u>	<u>26.03</u>	<u>-</u>			<u>6.96</u>
1537	<u>11</u>	<u>0.628</u>	<u>6.58</u>	<u>12.8</u>	<u>28.48</u>	<u>-</u>			<u>6.52</u>
1541	<u>13</u>	<u>0.625</u>	<u>6.57</u>	<u>12.8</u>	<u>32.23</u>	<u>-</u>			<u>6.01</u>
1544	<u>14</u>	<u>0.618</u>	<u>6.54</u>	<u>12.8</u>	<u>26.24</u>	<u>-</u>			<u>6.17</u>
1550	<u>17</u>	<u>0.613</u>	<u>6.59</u>	<u>12.5</u>	<u>21.82</u>	<u>-</u>			<u>6.18</u>
1556	<u>20</u>	<u>0.612</u>	<u>6.50</u>	<u>12.5</u>	<u>17.72</u>	<u>-</u>	<u>↓</u>		<u>5.23</u>
1600	<u>22</u>	<u>0.613</u>	<u>6.46</u>	<u>12.5</u>	<u>10.47</u>	<u>-</u>	<u>colorless</u>		<u>5.99</u>
1605	<u>24</u>	<u>0.615</u>	<u>6.40</u>	<u>12.4</u>	<u>9.63</u>	<u>-</u>	<u>↓</u>		<u>5.65</u>
1610	<u>26</u>	<u>0.625</u>	<u>6.41</u>	<u>12.5</u>	<u>10.11</u>	<u>-</u>	<u>↓</u>		<u>5.68</u>
1615	<u>29</u>	<u>0.627</u>	<u>6.40</u>	<u>12.5</u>	<u>9.09</u>	<u>-</u>	<u>↓</u>		<u>5.65</u>
1624	<u>30</u>	<u>Purging completed</u>							
1615-1623	<u>Sample collected</u>								

APPENDIX D: ANALYTICAL LABORATORY REPORTS

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ANALYTICAL REPORT

Job Number: 580-32287-1

Job Description: Yakima GE Site

For:

MWH Americas Inc
5100 SW Macadam Ave.

Ste 420

Portland, OR 97239

Attention: Meghann F Chell



Approved for release.
Kristine Allen
Project Manager I
5/7/2012 3:17 PM

Kristine Allen

Project Manager I

kristine.allen@testamericainc.com

05/07/2012

Revision: 2

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This report shall not be reproduced except in full, without prior express written approval by the laboratory. The results relate only to the item(s) tested and the sample(s) as received by the laboratory.

The results included in this report have been reviewed for compliance with the laboratory QA/QC plan and meet all requirements of NELAC. All data have been found to be compliant with laboratory protocol, with the exception of any items noted in the case narrative.

TestAmerica Laboratories, Inc.

TestAmerica Seattle 5755 8th Street East, Tacoma, WA 98424

Tel (253) 922-2310 Fax (253) 922-5047 www.testamericainc.com



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CASE NARRATIVE

Client: MWH Americas Inc
Project: Yakima GE Site
Report Number: 580-32287-1

This case narrative is in the form of an exception report, where only the anomalies related to this report, method specific performance and/or QA/QC issues are discussed. If there are no issues to report, this narrative will include a statement that documents that there are no relevant data issues.

It should be noted that samples with elevated Reporting Limits (RLs) resulting from a dilution may not be able to satisfy customer reporting limits in some cases. Such increases in the RLs are an unavoidable but acceptable consequence of sample dilution that enables quantification of target analytes within the calibration range of the instrument or that reduces the interferences thereby enabling the quantification of target analytes.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT

The samples were received on 04/10/2012; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 8.2 C.

The laboratory received one container for the following samples 10-15 although the Chain of Custody lists two containers per sample for these samples: YK-SB-22 (6.9-7.1), YK-SB-22 (3.0-3.3), YK-SB-23 (3.0-3.5), YK-SB-23 (6.5-7.0), YK-SB-24 (3.0-3.3) and YK-SB-24 (6.5-6.8).

Note: All samples which require thermal preservation are considered acceptable if the arrival temperature is within 2C of the required temperature or method specified range. For samples with a specified temperature of 4C, samples with a temperature ranging from just above freezing temperature of water to 6C shall be acceptable. Samples that are hand delivered immediately following collection may not meet these criteria, however they will be deemed acceptable according to NELAC standards, if there is evidence that the chilling process has begun, such as arrival on ice, etc.

POLYCHLORINATED BIPHENYLS (PCBS)

Samples YK-MW-08(11.45-12.2) (580-32287-1), YK-MW-08(4.2-5.0) (580-32287-2), YK-SB-21(4.5-5.0) (580-32287-3), YK-SB-21(9.8-10.0) (580-32287-4), YK-SB-19(3.3-4.3) (580-32287-5), YK-SB-19(9.0-10.0) (580-32287-6), YK-SB-20(4.0-4.7) (580-32287-7), YK-SB-20(5.2-6.5) (580-32287-8), YK-SB-20(5.2-6.5)Dup (580-32287-9), YK-SB-22(6.9-7.1) (580-32287-10), YK-SB-22(3.0-3.3) (580-32287-11), YK-SB-23(3.0-3.5) (580-32287-12), YK-SB-23(6.5-7.0) (580-32287-13), YK-SB-24(3.0-3.3) (580-32287-14), YK-SB-24(6.5-6.8) (580-32287-15) and IDW-01-040612 (580-32287-16) were analyzed for polychlorinated biphenyls (PCBs) in accordance with EPA SW-846 Method 8082. The samples were prepared on 04/17/2012 and analyzed on 04/18/2012.

DCB Decachlorobiphenyl failed the surrogate recovery criteria low for YK-MW-08(4.2-5.0) (580-32287-2), YK-SB-21(4.5-5.0) (580-32287-3), YK-SB-19(9.0-10.0) (580-32287-6), YK-SB-20(4.0-4.7) (580-32287-7), YK-SB-20(5.2-6.5) (580-32287-8), YK-SB-20(5.2-6.5)Dup (580-32287-9), YK-SB-22(3.0-3.3) (580-32287-11), YK-SB-23(3.0-3.5) (580-32287-12), YK-SB-23(6.5-7.0) (580-32287-13), YK-SB-24(3.0-3.3) (580-32287-14), YK-SB-24(6.5-6.8) (580-32287-15), IDW-01-040612 (580-32287-16). Tetrachloro-m-xylene failed the surrogate recovery criteria low for YK-SB-23(3.0-3.5) (580-32287-12), YK-SB-24(3.0-3.3) (580-32287-14). Evidence of matrix interference is present, as observed during the sulfuric acid clean-up procedure, and also due to samples having a percent moisture value greater than 20%; therefore, re-extraction and/or re-analysis was not performed.

The following samples contained more than one Aroclor component: YK-MW-08(4.2-5.0) (580-32287-2), YK-SB-21(4.5-5.0) (580-32287-3), YK-SB-21(9.8-10.0) (580-32287-4). Results are estimated due to shared peaks.

No other difficulties were encountered during the PCBs analyses.

All other quality control parameters were within the acceptance limits.

POLYCHLORINATED BIPHENYLS (PCBS)

Samples MW-08-040612 (580-32287-17) and IDW-02-040612 (580-32287-18) were analyzed for polychlorinated biphenyls (PCBs) in accordance with EPA SW-846 Method 8082. The samples were prepared on 04/12/2012 and analyzed on 04/13/2012.

Tetrachloro-m-xylene failed the surrogate recovery criteria low for method blank (MB) 580-109093/1-A and LCS 580-109093/2-A. DCB Decachlorobiphenyl and Tetrachloro-m-xylene failed the surrogate recovery criteria low for LCSD 580-109093/3-A. There was insufficient sample to perform a re-extraction; therefore, the data have been qualified and reported.

The relative percent difference (RPD) between the laboratory control sample (LCS) and laboratory control standard duplicate (LCSD) for preparation batch 580-109093 recovered outside acceptable control limits for the following analytes: Aroclors 1016 and 1260. The

associated samples have been qualified and reported due to insufficient sample for re-preparation.

No other difficulties were encountered during the PCBs analyses.

All other quality control parameters were within the acceptance limits.

EXTRACTABLE PETROLEUM HYDROCARBONS

Samples YK-MW-08(11.45-12.2) (580-32287-1), YK-MW-08(4.2-5.0) (580-32287-2), YK-SB-21(4.5-5.0) (580-32287-3), YK-SB-21(9.8-10.0) (580-32287-4), YK-SB-19(3.3-4.3) (580-32287-5), YK-SB-19(9.0-10.0) (580-32287-6), YK-SB-20(4.0-4.7) (580-32287-7), YK-SB-20(5.2-6.5) (580-32287-8), YK-SB-20(5.2-6.5)Dup (580-32287-9), YK-SB-22(6.9-7.1) (580-32287-10), YK-SB-22(3.0-3.3) (580-32287-11), YK-SB-23(3.0-3.5) (580-32287-12), YK-SB-23(6.5-7.0) (580-32287-13), YK-SB-24(3.0-3.3) (580-32287-14), YK-SB-24(6.5-6.8) (580-32287-15) and IDW-01-040612 (580-32287-16) were analyzed for extractable petroleum hydrocarbons in accordance with NWTPH-EPH. The samples were prepared on 04/16/2012 and analyzed on 04/20/2012, 04/26/2012 and 04/27/2012.

1-Chlorooctadecane failed the surrogate recovery criteria low for YK-MW-08(11.45-12.2) (580-32287-1). Evidence of matrix interference is present, as noted by the extraction technician; therefore, re-extraction and/or re-analysis was not performed.

The following samples were reanalyzed (RA) for some compounds due to surrogate failures in the original run: MW-08(4.2-5.0) (580-32287-2), YK-SB-21(9.8-10.0) (580-32287-4), YK-SB-22(3.0-3.3) (580-32287-11), YK-SB-23(3.0-3.5) (580-32287-12), YK-SB-24(3.0-3.3) (580-32287-14).

The following sample was reanalyzed (RA2) for C21-C34 Aromatics only due to a failing CCV failure: YK-SB-21(9.8-10.0) (580-32287-4).

Several analytes failed the recovery criteria low for the matrix spike (MS) of sample YK-MW-08(11.45-12.2)MS (580-32287-1) in batch 580-109715. Several analytes failed the recovery criteria low for the MSD of sample YK-MW-08(11.45-12.2)MSD (580-32287-1) in batch 580-109715. The presence of the '4' qualifier in the report indicates analytes where the concentration in the unspiked sample exceeded four times the spiking amount. The associated laboratory control sample (LCS) recovery met acceptance criteria.

1-Chlorooctadecane failed the surrogate recovery criteria low for YK-MW-08(11.45-12.2)MS (580-32287-1MS) and YK-MW-08(11.45-12.2)MSD (580-32287-1MSD) due to matrix interference. The associated laboratory control sample (LCS) recovery met acceptance criteria.

No other difficulties were encountered during the EPH analyses.

All other quality control parameters were within the acceptance limits.

EXTRACTABLE PETROLEUM HYDROCARBONS

Samples MW-08-040612 (580-32287-17) and IDW-02-040612 (580-32287-18) were analyzed for extractable petroleum hydrocarbons in accordance with NWTPH-EPH. The samples were prepared on 04/12/2012 and analyzed on 04/21/2012 and 04/26/2012.

Several analytes were detected in method blank (MB) 580-109254/1-B at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged "J". If the associated sample reported a result above the MDL and/or RL, the result has been "B" flagged.

The following sample was reanalyzed (RA) for some compounds due to a surrogate failure in the original run: IDW-02-040612 (580-32287-18).

No other difficulties were encountered during the EPH analyses.

All other quality control parameters were within the acceptance limits.

DIESEL AND MOTOR OIL RANGE ORGANICS

Samples YK-MW-08(11.45-12.2) (580-32287-1), YK-MW-08(4.2-5.0) (580-32287-2), YK-SB-21(4.5-5.0) (580-32287-3), YK-SB-21(9.8-10.0) (580-32287-4), YK-SB-19(3.3-4.3) (580-32287-5), YK-SB-19(9.0-10.0) (580-32287-6), YK-SB-20(4.0-4.7) (580-32287-7), YK-SB-20(5.2-6.5) (580-32287-8), YK-SB-20(5.2-6.5)Dup (580-32287-9), YK-SB-22(6.9-7.1) (580-32287-10), YK-SB-22(3.0-3.3) (580-32287-11), YK-SB-23(3.0-3.5) (580-32287-12), YK-SB-23(6.5-7.0) (580-32287-13), YK-SB-24(3.0-3.3) (580-32287-14), YK-SB-24(6.5-6.8) (580-32287-15) and IDW-01-040612 (580-32287-16) were analyzed for diesel and motor oil range organics in accordance with Method NWTPH-Dx. The samples were prepared on 04/17/2012 and analyzed on 04/18/2012 and 04/19/2012.

In analytical batch 580-109531, the results in the #2 Diesel (C10-C24) and Motor Oil (>C24-C36) ranges for the following sample: YK-MW-08(11.45-12.2) (580-32287-1) are due to a mixture of hydrocarbon product ranges. The affected analyte range(s) have been Y qualified and reported.

Motor Oil (>C24-C36) was detected in method blank (MB) 580-109518/1-A at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged "J". If the associated sample reported a result above the MDL and/or RL, the result has been "B" flagged.

No other difficulties were encountered during the DRO analyses.

All other quality control parameters were within the acceptance limits.

DIESEL AND MOTOR OIL RANGE ORGANICS

Samples MW-08-040612 (580-32287-17) and IDW-02-040612 (580-32287-18) were analyzed for diesel and motor oil range organics in accordance with Method NWTPH-Dx. The samples were prepared on 04/17/2012 and analyzed on 04/19/2012.

In analytical batch 580-109638, the results in the #2 Diesel (C10-C24) and Motor Oil (>C24-C36) ranges for the following sample: MW-08-040612 (580-32287-17) are due to a mixture of hydrocarbon product ranges. The affected analyte range(s) have been Y qualified and reported.

In analytical batch 580-109638, the results in the #2 Diesel (C10-C24) and Motor Oil (>C24-C36) ranges for the following sample: IDW-02-040612 (580-32287-18) are due to a complex hydrocarbon mixture. The affected analyte range(s) have been Y qualified and reported.

o-Terphenyl failed the surrogate recovery criteria high for MB 580-109428/1-A. All associated sample surrogates fell within acceptance criteria; therefore, the data have been reported.

No other difficulties were encountered during the DRO analyses.

All other quality control parameters were within the acceptance limits.

PERCENT SOLIDS

Samples YK-MW-08(11.45-12.2) (580-32287-1), YK-MW-08(4.2-5.0) (580-32287-2), YK-SB-21(4.5-5.0) (580-32287-3), YK-SB-21(9.8-10.0) (580-32287-4), YK-SB-19(3.3-4.3) (580-32287-5), YK-SB-19(9.0-10.0) (580-32287-6), YK-SB-20(4.0-4.7) (580-32287-7), YK-SB-20(5.2-6.5) (580-32287-8), YK-SB-20(5.2-6.5)Dup (580-32287-9), YK-SB-22(6.9-7.1) (580-32287-10), YK-SB-22(3.0-3.3) (580-32287-11), YK-SB-23(3.0-3.5) (580-32287-12), YK-SB-23(6.5-7.0) (580-32287-13), YK-SB-24(3.0-3.3) (580-32287-14), YK-SB-24(6.5-6.8) (580-32287-15) and IDW-01-040612 (580-32287-16) were analyzed for percent solids in accordance with ASTM D2216. The samples were analyzed on 04/15/2012.

No difficulties were encountered during the % solids analyses.

All quality control parameters were within the acceptance limits.

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Seattle Job No.: 580-32287-1

SDG No.: _____

Instrument ID: TAC045 Analysis Batch Number: 107496Lab Sample ID: IC 580-107496/1 Client Sample ID: _____Date Analyzed: 03/19/12 11:03 Lab File ID: BB000764.D GC Column: ZB-XLB-HT ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Tetrachloro-m-xylene	2.91	Baseline Smoothing	kimurae	03/19/12 13:31
PCB-1016 Peak 1	3.60	Baseline Smoothing	kimurae	03/19/12 13:31
PCB-1016 Peak 2	3.74	Baseline Smoothing	kimurae	03/19/12 13:31
PCB-1016 Peak 3	4.04	Baseline Smoothing	kimurae	03/19/12 13:31
PCB-1016 Peak 4	4.15	Baseline Smoothing	kimurae	03/19/12 13:31
PCB-1016 Peak 5	4.39	Baseline Smoothing	kimurae	03/19/12 13:31
PCB-1260 Peak 1	5.34	Baseline Smoothing	kimurae	03/19/12 13:31
PCB-1260 Peak 2	5.56	Baseline Smoothing	kimurae	03/19/12 13:31
PCB-1260 Peak 3	5.78	Baseline Smoothing	kimurae	03/19/12 13:31
PCB-1260 Peak 4	6.29	Baseline Smoothing	kimurae	03/19/12 13:31
PCB-1260 Peak 5	6.52	Baseline Smoothing	kimurae	03/19/12 13:31

Lab Sample ID: IC 580-107496/1 Client Sample ID: _____Date Analyzed: 03/19/12 11:03 Lab File ID: BB000764.D GC Column: ZB-35-HT ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Tetrachloro-m-xylene	2.90	Baseline Smoothing	kimurae	03/19/12 13:31
PCB-1016 Peak 1	3.48	Baseline Smoothing	kimurae	03/19/12 13:31
PCB-1016 Peak 2	3.80	Baseline Smoothing	kimurae	03/19/12 13:31
PCB-1016 Peak 3	4.18	Baseline Smoothing	kimurae	03/19/12 13:31
PCB-1016 Peak 4	4.26	Baseline Smoothing	kimurae	03/19/12 13:31
PCB-1016 Peak 5	4.35	Baseline Smoothing	kimurae	03/19/12 13:31
PCB-1260 Peak 1	5.54	Baseline Smoothing	kimurae	03/19/12 13:31
PCB-1260 Peak 2	6.00	Baseline Smoothing	kimurae	03/19/12 13:31
PCB-1260 Peak 3	6.26	Baseline Smoothing	kimurae	03/19/12 13:31
PCB-1260 Peak 4	6.49	Baseline Smoothing	kimurae	03/19/12 13:31
PCB-1260 Peak 5	6.78	Baseline Smoothing	kimurae	03/19/12 13:31
DCB Decachlorobiphenyl	7.64	Baseline Smoothing	kimurae	03/19/12 13:31

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Seattle Job No.: 580-32287-1

SDG No.: _____

Instrument ID: TAC045 Analysis Batch Number: 107496Lab Sample ID: IC 580-107496/2 Client Sample ID: _____Date Analyzed: 03/19/12 11:16 Lab File ID: BB000765.D GC Column: ZB-XLB-HT ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Tetrachloro-m-xylene	2.91	Baseline Smoothing	kimurae	03/19/12 13:32
PCB-1016 Peak 1	3.60	Baseline Smoothing	kimurae	03/19/12 13:27
PCB-1016 Peak 2	3.74	Baseline Smoothing	kimurae	03/19/12 13:32
PCB-1016 Peak 3	4.04	Baseline Smoothing	kimurae	03/19/12 13:27
PCB-1016 Peak 4	4.15	Baseline Smoothing	kimurae	03/19/12 13:27
PCB-1016 Peak 5	4.39	Baseline Smoothing	kimurae	03/19/12 13:27
PCB-1260 Peak 1	5.34	Baseline Smoothing	kimurae	03/19/12 13:40
PCB-1260 Peak 2	5.56	Baseline Smoothing	kimurae	03/19/12 13:40
PCB-1260 Peak 3	5.78	Baseline Smoothing	kimurae	03/19/12 13:32
PCB-1260 Peak 4	6.29	Baseline Smoothing	kimurae	03/19/12 13:32
PCB-1260 Peak 5	6.52	Baseline Smoothing	kimurae	03/19/12 13:32
DCB Decachlorobiphenyl	7.43	Baseline Smoothing	kimurae	03/19/12 13:40

Lab Sample ID: IC 580-107496/2 Client Sample ID: _____Date Analyzed: 03/19/12 11:16 Lab File ID: BB000765.D GC Column: ZB-35-HT ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Tetrachloro-m-xylene	2.90	Baseline Smoothing	kimurae	03/19/12 13:32
PCB-1016 Peak 1	3.48	Baseline Smoothing	kimurae	03/19/12 13:27
PCB-1016 Peak 2	3.80	Baseline Smoothing	kimurae	03/19/12 13:27
PCB-1016 Peak 3	4.18	Baseline Smoothing	kimurae	03/19/12 13:40
PCB-1016 Peak 4	4.26	Baseline Smoothing	kimurae	03/19/12 13:32
PCB-1016 Peak 5	4.35	Baseline Smoothing	kimurae	03/19/12 13:27
PCB-1260 Peak 1	5.54	Baseline Smoothing	kimurae	03/19/12 13:42
PCB-1260 Peak 2	6.00	Baseline Smoothing	kimurae	03/19/12 13:42
PCB-1260 Peak 3	6.26	Baseline Smoothing	kimurae	03/19/12 13:27
PCB-1260 Peak 4	6.49	Baseline Smoothing	kimurae	03/19/12 13:27
PCB-1260 Peak 5	6.78	Baseline Smoothing	kimurae	03/19/12 13:40

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Seattle Job No.: 580-32287-1

SDG No.: _____

Instrument ID: TAC045 Analysis Batch Number: 107496Lab Sample ID: IC 580-107496/3 Client Sample ID: _____Date Analyzed: 03/19/12 11:30 Lab File ID: BB000766.D GC Column: ZB-XLB-HT ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Tetrachloro-m-xylene	2.91	Baseline Smoothing	kimurae	03/19/12 13:25
PCB-1016 Peak 1	3.60	Baseline Smoothing	kimurae	03/19/12 13:39
PCB-1016 Peak 2	3.74	Baseline Smoothing	kimurae	03/19/12 13:39
PCB-1016 Peak 3	4.04	Baseline Smoothing	kimurae	03/19/12 13:25
PCB-1016 Peak 4	4.15	Baseline Smoothing	kimurae	03/19/12 13:25
PCB-1016 Peak 5	4.39	Baseline Smoothing	kimurae	03/19/12 13:25
DCB Decachlorobiphenyl	7.43	Baseline Smoothing	kimurae	03/19/12 13:25

Lab Sample ID: IC 580-107496/3 Client Sample ID: _____Date Analyzed: 03/19/12 11:30 Lab File ID: BB000766.D GC Column: ZB-35-HT ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Tetrachloro-m-xylene	2.90	Baseline Smoothing	kimurae	03/19/12 13:25
PCB-1016 Peak 1	3.48	Baseline Smoothing	kimurae	03/19/12 13:25
PCB-1016 Peak 2	3.81	Baseline Smoothing	kimurae	03/19/12 13:25
PCB-1016 Peak 3	4.18	Baseline Smoothing	kimurae	03/19/12 13:25
PCB-1016 Peak 4	4.26	Baseline Smoothing	kimurae	03/19/12 13:25
PCB-1016 Peak 5	4.35	Baseline Smoothing	kimurae	03/19/12 13:25
PCB-1260 Peak 1	5.54	Baseline Smoothing	kimurae	03/19/12 13:25
PCB-1260 Peak 2	5.99	Baseline Smoothing	kimurae	03/19/12 13:43
PCB-1260 Peak 3	6.26	Baseline Smoothing	kimurae	03/19/12 13:25
PCB-1260 Peak 4	6.49	Baseline Smoothing	kimurae	03/19/12 13:25
PCB-1260 Peak 5	6.78	Baseline Smoothing	kimurae	03/19/12 13:25
DCB Decachlorobiphenyl	7.64	Baseline Smoothing	kimurae	03/19/12 13:25

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Seattle Job No.: 580-32287-1

SDG No.: _____

Instrument ID: TAC045 Analysis Batch Number: 107496Lab Sample ID: ICRT 580-107496/4 Client Sample ID: _____Date Analyzed: 03/19/12 11:43 Lab File ID: BB000767.D GC Column: ZB-XLB-HT ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Tetrachloro-m-xylene	2.91	Baseline Smoothing	kimurae	03/19/12 13:21
PCB-1016 Peak 1	3.60	Baseline Smoothing	kimurae	03/19/12 13:21
PCB-1016 Peak 2	3.74	Baseline Smoothing	kimurae	03/19/12 13:21
PCB-1016 Peak 3	4.04	Baseline Smoothing	kimurae	03/19/12 13:21
PCB-1016 Peak 4	4.15	Baseline Smoothing	kimurae	03/19/12 13:21
PCB-1016 Peak 5	4.39	Baseline Smoothing	kimurae	03/19/12 13:21
DCB Decachlorobiphenyl	7.43	Baseline Smoothing	kimurae	03/19/12 13:38

Lab Sample ID: ICRT 580-107496/4 Client Sample ID: _____Date Analyzed: 03/19/12 11:43 Lab File ID: BB000767.D GC Column: ZB-35-HT ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Tetrachloro-m-xylene	2.90	Baseline Smoothing	kimurae	03/19/12 13:21
PCB-1016 Peak 1	3.48	Baseline Smoothing	kimurae	03/19/12 13:38
PCB-1016 Peak 2	3.80	Baseline Smoothing	kimurae	03/19/12 13:38
PCB-1016 Peak 3	4.18	Baseline Smoothing	kimurae	03/19/12 13:38
PCB-1016 Peak 4	4.26	Baseline Smoothing	kimurae	03/19/12 13:38
PCB-1016 Peak 5	4.35	Baseline Smoothing	kimurae	03/19/12 13:38
PCB-1260 Peak 1	5.54	Baseline Smoothing	kimurae	03/19/12 13:43
PCB-1260 Peak 2	6.00	Baseline Smoothing	kimurae	03/19/12 13:43
PCB-1260 Peak 3	6.26	Baseline Smoothing	kimurae	03/19/12 13:38
PCB-1260 Peak 4	6.49	Baseline Smoothing	kimurae	03/19/12 13:38
PCB-1260 Peak 5	6.78	Baseline Smoothing	kimurae	03/19/12 13:38

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Seattle Job No.: 580-32287-1

SDG No.: _____

Instrument ID: TAC045 Analysis Batch Number: 107496Lab Sample ID: IC 580-107496/5 Client Sample ID: _____Date Analyzed: 03/19/12 11:57 Lab File ID: BB000768.D GC Column: ZB-XLB-HT ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Tetrachloro-m-xylene	2.91	Baseline Smoothing	kimurae	03/19/12 13:24
PCB-1016 Peak 1	3.60	Baseline Smoothing	kimurae	03/19/12 13:24
PCB-1016 Peak 2	3.74	Baseline Smoothing	kimurae	03/19/12 13:24
PCB-1016 Peak 3	4.04	Baseline Smoothing	kimurae	03/19/12 13:24
PCB-1016 Peak 4	4.15	Baseline Smoothing	kimurae	03/19/12 13:24
PCB-1016 Peak 5	4.39	Baseline Smoothing	kimurae	03/19/12 13:24
DCB Decachlorobiphenyl	7.43	Baseline Smoothing	kimurae	03/19/12 13:37

Lab Sample ID: IC 580-107496/5 Client Sample ID: _____Date Analyzed: 03/19/12 11:57 Lab File ID: BB000768.D GC Column: ZB-35-HT ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Tetrachloro-m-xylene	2.90	Baseline Smoothing	kimurae	03/19/12 13:24
PCB-1016 Peak 1	3.48	Baseline Smoothing	kimurae	03/19/12 13:24
PCB-1016 Peak 2	3.81	Baseline Smoothing	kimurae	03/19/12 13:24
PCB-1016 Peak 3	4.18	Baseline Smoothing	kimurae	03/19/12 13:24
PCB-1016 Peak 4	4.26	Baseline Smoothing	kimurae	03/19/12 13:24
PCB-1016 Peak 5	4.35	Baseline Smoothing	kimurae	03/19/12 13:24
PCB-1260 Peak 1	5.54	Baseline Smoothing	kimurae	03/19/12 13:37
PCB-1260 Peak 2	6.00	Baseline Smoothing	kimurae	03/19/12 13:37
PCB-1260 Peak 3	6.26	Baseline Smoothing	kimurae	03/19/12 13:37
PCB-1260 Peak 4	6.49	Baseline Smoothing	kimurae	03/19/12 13:37
PCB-1260 Peak 5	6.78	Baseline Smoothing	kimurae	03/19/12 13:37
DCB Decachlorobiphenyl	7.64	Baseline Smoothing	kimurae	03/19/12 13:37

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Seattle Job No.: 580-32287-1

SDG No.: _____

Instrument ID: TAC045 Analysis Batch Number: 107496Lab Sample ID: IC 580-107496/6 Client Sample ID: _____Date Analyzed: 03/19/12 12:55 Lab File ID: BB000772.D GC Column: ZB-XLB-HT ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Tetrachloro-m-xylene	2.91	Baseline Smoothing	kimurae	03/19/12 13:22
PCB-1016 Peak 1	3.60	Baseline Smoothing	kimurae	03/19/12 13:22
PCB-1016 Peak 2	3.74	Baseline Smoothing	kimurae	03/19/12 13:22
PCB-1016 Peak 3	4.04	Baseline Smoothing	kimurae	03/19/12 13:22
PCB-1016 Peak 4	4.15	Baseline Smoothing	kimurae	03/19/12 13:22
PCB-1016 Peak 5	4.39	Baseline Smoothing	kimurae	03/19/12 13:22
DCB Decachlorobiphenyl	7.43	Baseline Smoothing	kimurae	03/19/12 13:36

Lab Sample ID: IC 580-107496/6 Client Sample ID: _____Date Analyzed: 03/19/12 12:55 Lab File ID: BB000772.D GC Column: ZB-35-HT ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Tetrachloro-m-xylene	2.90	Baseline Smoothing	kimurae	03/19/12 13:22
PCB-1260 Peak 1	5.54	Baseline Smoothing	kimurae	03/19/12 13:36
PCB-1260 Peak 2	6.00	Baseline Smoothing	kimurae	03/19/12 13:36
PCB-1260 Peak 3	6.26	Baseline Smoothing	kimurae	03/19/12 13:36
PCB-1260 Peak 4	6.49	Baseline Smoothing	kimurae	03/19/12 13:36
PCB-1260 Peak 5	6.78	Baseline Smoothing	kimurae	03/19/12 13:36

Lab Sample ID: IC 580-107496/7 Client Sample ID: _____Date Analyzed: 03/19/12 13:08 Lab File ID: BB000773.D GC Column: ZB-XLB-HT ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Tetrachloro-m-xylene	2.91	Baseline Smoothing	kimurae	03/19/12 13:23
DCB Decachlorobiphenyl	7.43	Baseline Smoothing	kimurae	03/19/12 13:35

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Seattle Job No.: 580-32287-1

SDG No.: _____

Instrument ID: TAC045 Analysis Batch Number: 107496Lab Sample ID: IC 580-107496/7 Client Sample ID: _____Date Analyzed: 03/19/12 13:08 Lab File ID: BB000773.D GC Column: ZB-35-HT ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Tetrachloro-m-xylene	2.90	Baseline Smoothing	kimurae	03/19/12 13:23
PCB-1016 Peak 1	3.48	Baseline Smoothing	kimurae	03/19/12 13:23
PCB-1016 Peak 2	3.81	Baseline Smoothing	kimurae	03/19/12 13:23
PCB-1016 Peak 3	4.18	Baseline Smoothing	kimurae	03/19/12 13:23
PCB-1016 Peak 4	4.26	Baseline Smoothing	kimurae	03/19/12 13:23
PCB-1016 Peak 5	4.35	Baseline Smoothing	kimurae	03/19/12 13:23
PCB-1260 Peak 1	5.54	Baseline Smoothing	kimurae	03/19/12 13:35
PCB-1260 Peak 2	6.00	Baseline Smoothing	kimurae	03/19/12 13:35
PCB-1260 Peak 3	6.26	Baseline Smoothing	kimurae	03/19/12 13:35
PCB-1260 Peak 4	6.49	Baseline Smoothing	kimurae	03/19/12 13:35
PCB-1260 Peak 5	6.78	Baseline Smoothing	kimurae	03/19/12 13:35
DCB Decachlorobiphenyl	7.64	Baseline Smoothing	kimurae	03/19/12 13:35

Lab Sample ID: ICV 580-107496/8 Client Sample ID: _____Date Analyzed: 03/19/12 13:22 Lab File ID: BB000774.D GC Column: ZB-XLB-HT ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Tetrachloro-m-xylene	2.91	Baseline Smoothing	kimurae	03/19/12 13:45
PCB-1016 Peak 1	3.60	Baseline Smoothing	kimurae	03/19/12 13:45
PCB-1016 Peak 2	3.74	Baseline Smoothing	kimurae	03/19/12 13:45
PCB-1016 Peak 3	4.04	Baseline Smoothing	kimurae	03/19/12 13:45
PCB-1016 Peak 4	4.15	Baseline Smoothing	kimurae	03/19/12 13:45
PCB-1016 Peak 5	4.39	Baseline Smoothing	kimurae	03/19/12 13:45
PCB-1260 Peak 1	5.34	Baseline Smoothing	kimurae	03/19/12 13:45
PCB-1260 Peak 2	5.56	Baseline Smoothing	kimurae	03/19/12 13:45
PCB-1260 Peak 3	5.78	Baseline Smoothing	kimurae	03/19/12 13:45
PCB-1260 Peak 4	6.29	Baseline Smoothing	kimurae	03/19/12 13:45
PCB-1260 Peak 5	6.52	Baseline Smoothing	kimurae	03/19/12 13:45
DCB Decachlorobiphenyl	7.43	Baseline Smoothing	kimurae	03/19/12 13:45

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Seattle Job No.: 580-32287-1

SDG No.: _____

Instrument ID: TAC045 Analysis Batch Number: 107496Lab Sample ID: ICV 580-107496/8 Client Sample ID: _____Date Analyzed: 03/19/12 13:22 Lab File ID: BB000774.D GC Column: ZB-35-HT ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Tetrachloro-m-xylene	2.90	Baseline Smoothing	kimurae	03/19/12 13:45
PCB-1260 Peak 1	5.54	Baseline Smoothing	kimurae	03/19/12 13:45
PCB-1260 Peak 2	5.99	Baseline Smoothing	kimurae	03/19/12 13:45
PCB-1260 Peak 3	6.26	Baseline Smoothing	kimurae	03/19/12 13:45
PCB-1260 Peak 4	6.49	Baseline Smoothing	kimurae	03/19/12 13:45
PCB-1260 Peak 5	6.78	Baseline Smoothing	kimurae	03/19/12 13:45
DCB Decachlorobiphenyl	7.64	Baseline Smoothing	kimurae	03/19/12 13:45

Lab Sample ID: IC 580-107496/9 Client Sample ID: _____Date Analyzed: 03/19/12 14:24 Lab File ID: BB000775.D GC Column: ZB-XLB-HT ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1221 Peak 1	2.11	Baseline Smoothing	kimurae	03/19/12 16:59
PCB-1221 Peak 2	3.11	Baseline Smoothing	kimurae	03/19/12 15:12
PCB-1221 Peak 3	3.20	Baseline Smoothing	kimurae	03/19/12 16:59
PCB-1221 Peak 4	3.28	Baseline Smoothing	kimurae	03/19/12 15:12
PCB-1254 Peak 1	4.91	Baseline Smoothing	kimurae	03/19/12 15:10
PCB-1254 Peak 2	5.20	Baseline Smoothing	kimurae	03/19/12 15:10
PCB-1254 Peak 3	5.45	Baseline Smoothing	kimurae	03/19/12 15:10
PCB-1254 Peak 5	5.79	Baseline Smoothing	kimurae	03/19/12 15:10

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Seattle Job No.: 580-32287-1

SDG No.: _____

Instrument ID: TAC045 Analysis Batch Number: 107496Lab Sample ID: IC 580-107496/9 Client Sample ID: _____Date Analyzed: 03/19/12 14:24 Lab File ID: BB000775.D GC Column: ZB-35-HT ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1221 Peak 1	2.41	Baseline Smoothing	kimurae	03/19/12 17:11
PCB-1221 Peak 2	3.29	Baseline Smoothing	kimurae	03/19/12 17:11
PCB-1221 Peak 3	3.41	Baseline Smoothing	kimurae	03/19/12 17:11
PCB-1221 Peak 4	3.48	Baseline Smoothing	kimurae	03/19/12 17:11
PCB-1254 Peak 1	4.92	Baseline Smoothing	kimurae	03/19/12 15:10
PCB-1254 Peak 2	5.07	Baseline Smoothing	kimurae	03/19/12 15:10
PCB-1254 Peak 3	5.42	Baseline Smoothing	kimurae	03/19/12 15:10
PCB-1254 Peak 5	6.00	Baseline Smoothing	kimurae	03/19/12 17:07

Lab Sample ID: IC 580-107496/10 Client Sample ID: _____Date Analyzed: 03/19/12 14:38 Lab File ID: BB000776.D GC Column: ZB-XLB-HT ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1221 Peak 1	2.10	Baseline Smoothing	kimurae	03/19/12 15:09
PCB-1221 Peak 2	3.11	Baseline Smoothing	kimurae	03/19/12 15:11
PCB-1221 Peak 3	3.19	Baseline Smoothing	kimurae	03/19/12 17:00
PCB-1221 Peak 4	3.28	Baseline Smoothing	kimurae	03/19/12 17:00
PCB-1254 Peak 1	4.91	Baseline Smoothing	kimurae	03/19/12 15:09
PCB-1254 Peak 2	5.20	Baseline Smoothing	kimurae	03/19/12 15:09
PCB-1254 Peak 3	5.45	Baseline Smoothing	kimurae	03/19/12 15:09
PCB-1254 Peak 5	5.78	Baseline Smoothing	kimurae	03/19/12 15:09

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Seattle Job No.: 580-32287-1

SDG No.: _____

Instrument ID: TAC045 Analysis Batch Number: 107496Lab Sample ID: IC 580-107496/10 Client Sample ID: _____Date Analyzed: 03/19/12 14:38 Lab File ID: BB000776.D GC Column: ZB-35-HT ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1221 Peak 1	2.41	Baseline Smoothing	kimurae	03/19/12 15:11
PCB-1221 Peak 2	3.30	Baseline Smoothing	kimurae	03/19/12 15:11
PCB-1221 Peak 3	3.41	Baseline Smoothing	kimurae	03/19/12 15:11
PCB-1221 Peak 4	3.48	Baseline Smoothing	kimurae	03/19/12 15:11
PCB-1254 Peak 1	4.92	Baseline Smoothing	kimurae	03/19/12 15:09
PCB-1254 Peak 2	5.07	Baseline Smoothing	kimurae	03/19/12 15:09
PCB-1254 Peak 3	5.41	Baseline Smoothing	kimurae	03/19/12 15:09
PCB-1254 Peak 4	5.61	Baseline Smoothing	kimurae	03/19/12 15:09
PCB-1254 Peak 5	5.99	Baseline Smoothing	kimurae	03/19/12 17:05

Lab Sample ID: IC 580-107496/11 Client Sample ID: _____Date Analyzed: 03/19/12 14:52 Lab File ID: BB000777.D GC Column: ZB-XLB-HT ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1221 Peak 1	2.09	Baseline Smoothing	kimurae	03/19/12 15:06
PCB-1221 Peak 2	3.12	Baseline Smoothing	kimurae	03/19/12 17:00
PCB-1221 Peak 3	3.20	Baseline Smoothing	kimurae	03/19/12 15:06
PCB-1221 Peak 4	3.28	Baseline Smoothing	kimurae	03/19/12 15:06
PCB-1254 Peak 2	5.20	Baseline Smoothing	kimurae	03/19/12 15:25
PCB-1254 Peak 5	5.78	Baseline Smoothing	kimurae	03/19/12 15:25

Lab Sample ID: IC 580-107496/11 Client Sample ID: _____Date Analyzed: 03/19/12 14:52 Lab File ID: BB000777.D GC Column: ZB-35-HT ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1221 Peak 1	2.41	Baseline Smoothing	kimurae	03/19/12 17:00
PCB-1254 Peak 1	4.92	Baseline Smoothing	kimurae	03/19/12 15:07
PCB-1254 Peak 5	5.99	Baseline Smoothing	kimurae	03/19/12 17:09

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Seattle Job No.: 580-32287-1

SDG No.: _____

Instrument ID: TAC045 Analysis Batch Number: 107496Lab Sample ID: ICRT 580-107496/12 Client Sample ID: _____Date Analyzed: 03/19/12 15:05 Lab File ID: BB000778.D GC Column: ZB-XLB-HT ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1221 Peak 1	2.10	Baseline Smoothing	kimurae	03/19/12 16:39
PCB-1221 Peak 2	3.12	Baseline Smoothing	kimurae	03/19/12 16:39
PCB-1221 Peak 3	3.20	Baseline Smoothing	kimurae	03/19/12 17:01
PCB-1221 Peak 4	3.28	Baseline Smoothing	kimurae	03/19/12 16:39

Lab Sample ID: ICRT 580-107496/12 Client Sample ID: _____Date Analyzed: 03/19/12 15:05 Lab File ID: BB000778.D GC Column: ZB-35-HT ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1221 Peak 1	2.41	Baseline Smoothing	kimurae	03/19/12 16:39
PCB-1221 Peak 2	3.29	Baseline Smoothing	kimurae	03/19/12 16:39
PCB-1221 Peak 3	3.41	Baseline Smoothing	kimurae	03/19/12 16:39
PCB-1221 Peak 4	3.48	Baseline Smoothing	kimurae	03/19/12 16:39
PCB-1254 Peak 1	4.92	Baseline Smoothing	kimurae	03/19/12 16:39
PCB-1254 Peak 2	5.07	Baseline Smoothing	kimurae	03/19/12 16:39
PCB-1254 Peak 3	5.41	Baseline Smoothing	kimurae	03/19/12 16:39
PCB-1254 Peak 4	5.61	Baseline Smoothing	kimurae	03/19/12 16:39
PCB-1254 Peak 5	5.99	Baseline Smoothing	kimurae	03/19/12 17:06

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Seattle Job No.: 580-32287-1

SDG No.: _____

Instrument ID: TAC045 Analysis Batch Number: 107496Lab Sample ID: IC 580-107496/13 Client Sample ID: _____Date Analyzed: 03/19/12 15:19 Lab File ID: BB000779.D GC Column: ZB-XLB-HT ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1221 Peak 1	2.10	Baseline Smoothing	kimurae	03/19/12 16:55
PCB-1221 Peak 2	3.12	Baseline Smoothing	kimurae	03/19/12 17:01
PCB-1221 Peak 3	3.20	Baseline Smoothing	kimurae	03/19/12 17:01
PCB-1221 Peak 4	3.28	Baseline Smoothing	kimurae	03/19/12 16:55
PCB-1254 Peak 1	4.91	Baseline Smoothing	kimurae	03/19/12 16:55
PCB-1254 Peak 2	5.20	Baseline Smoothing	kimurae	03/19/12 16:55
PCB-1254 Peak 4	5.56	Baseline Smoothing	kimurae	03/19/12 16:55

Lab Sample ID: IC 580-107496/13 Client Sample ID: _____Date Analyzed: 03/19/12 15:19 Lab File ID: BB000779.D GC Column: ZB-35-HT ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1221 Peak 1	2.41	Baseline Smoothing	kimurae	03/19/12 16:55
PCB-1221 Peak 2	3.30	Baseline Smoothing	kimurae	03/19/12 16:55
PCB-1221 Peak 3	3.41	Baseline Smoothing	kimurae	03/19/12 16:55
PCB-1221 Peak 4	3.48	Baseline Smoothing	kimurae	03/19/12 16:55

Lab Sample ID: IC 580-107496/14 Client Sample ID: _____Date Analyzed: 03/19/12 15:32 Lab File ID: BB000780.D GC Column: ZB-XLB-HT ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1221 Peak 1	2.09	Baseline Smoothing	kimurae	03/19/12 17:02
PCB-1221 Peak 2	3.12	Baseline Smoothing	kimurae	03/19/12 16:57
PCB-1221 Peak 3	3.20	Baseline Smoothing	kimurae	03/19/12 16:57
PCB-1221 Peak 4	3.28	Baseline Smoothing	kimurae	03/19/12 16:57
PCB-1254 Peak 3	5.45	Baseline Smoothing	kimurae	03/19/12 16:57
PCB-1254 Peak 4	5.56	Baseline Smoothing	kimurae	03/19/12 16:57

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Seattle Job No.: 580-32287-1

SDG No.: _____

Instrument ID: TAC045 Analysis Batch Number: 107496Lab Sample ID: IC 580-107496/14 Client Sample ID: _____Date Analyzed: 03/19/12 15:32 Lab File ID: BB000780.D GC Column: ZB-35-HT ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1221 Peak 1	2.41	Baseline Smoothing	kimurae	03/19/12 16:57
PCB-1221 Peak 2	3.30	Baseline Smoothing	kimurae	03/19/12 16:57
PCB-1221 Peak 3	3.41	Baseline Smoothing	kimurae	03/19/12 16:57
PCB-1221 Peak 4	3.48	Baseline Smoothing	kimurae	03/19/12 16:57

Lab Sample ID: IC 580-107496/15 Client Sample ID: _____Date Analyzed: 03/19/12 15:46 Lab File ID: BB000781.D GC Column: ZB-XLB-HT ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1221 Peak 1	2.10	Baseline Smoothing	kimurae	03/19/12 17:04
PCB-1221 Peak 2	3.12	Baseline Smoothing	kimurae	03/19/12 16:59
PCB-1221 Peak 3	3.20	Baseline Smoothing	kimurae	03/19/12 16:59
PCB-1254 Peak 4	5.56	Baseline Smoothing	kimurae	03/19/12 16:59

Lab Sample ID: IC 580-107496/15 Client Sample ID: _____Date Analyzed: 03/19/12 15:46 Lab File ID: BB000781.D GC Column: ZB-35-HT ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1221 Peak 1	2.41	Baseline Smoothing	kimurae	03/19/12 16:59
PCB-1221 Peak 2	3.30	Baseline Smoothing	kimurae	03/19/12 16:59
PCB-1221 Peak 3	3.41	Baseline Smoothing	kimurae	03/19/12 16:59
PCB-1221 Peak 4	3.48	Baseline Smoothing	kimurae	03/19/12 16:59

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Seattle Job No.: 580-32287-1

SDG No.: _____

Instrument ID: TAC045 Analysis Batch Number: 107496Lab Sample ID: ICV 580-107496/16 Client Sample ID: _____Date Analyzed: 03/19/12 16:00 Lab File ID: BB000782.D GC Column: ZB-XLB-HT ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1221 Peak 1	2.09	Baseline Smoothing	kimurae	03/19/12 17:13
PCB-1221 Peak 2	3.12	Baseline Smoothing	kimurae	03/19/12 17:13
PCB-1221 Peak 3	3.20	Baseline Smoothing	kimurae	03/19/12 17:13
PCB-1221 Peak 4	3.28	Baseline Smoothing	kimurae	03/19/12 17:13

Lab Sample ID: ICV 580-107496/16 Client Sample ID: _____Date Analyzed: 03/19/12 16:00 Lab File ID: BB000782.D GC Column: ZB-35-HT ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1221 Peak 1	2.41	Baseline Smoothing	kimurae	03/19/12 17:13
PCB-1221 Peak 2	3.30	Baseline Smoothing	kimurae	03/19/12 17:13
PCB-1221 Peak 3	3.41	Baseline Smoothing	kimurae	03/19/12 17:13
PCB-1221 Peak 4	3.48	Baseline Smoothing	kimurae	03/19/12 17:13
PCB-1254 Peak 1	4.92	Baseline Smoothing	kimurae	03/19/12 17:13
PCB-1254 Peak 2	5.07	Baseline Smoothing	kimurae	03/19/12 17:13
PCB-1254 Peak 3	5.41	Baseline Smoothing	kimurae	03/19/12 17:13
PCB-1254 Peak 4	5.62	Baseline Smoothing	kimurae	03/19/12 17:13
PCB-1254 Peak 5	6.00	Baseline Smoothing	kimurae	03/19/12 17:13

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Seattle Job No.: 580-32287-1

SDG No.: _____

Instrument ID: TAC045 Analysis Batch Number: 107496Lab Sample ID: IC 580-107496/17 Client Sample ID: _____Date Analyzed: 03/19/12 16:13 Lab File ID: BB000783.D GC Column: ZB-XLB-HT ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1232 Peak 1	3.28	Baseline Smoothing	kimurae	03/20/12 07:23
PCB-1232 Peak 2	3.60	Baseline Smoothing	kimurae	03/20/12 07:23
PCB-1232 Peak 3	4.04	Baseline Smoothing	kimurae	03/20/12 07:23
PCB-1232 Peak 4	4.25	Baseline Smoothing	kimurae	03/20/12 07:23
PCB-1232 Peak 5	4.39	Baseline Smoothing	kimurae	03/20/12 07:23
PCB-1262 Peak 1	5.56	Baseline Smoothing	kimurae	03/20/12 07:23
PCB-1262 Peak 2	5.86	Baseline Smoothing	kimurae	03/20/12 07:23
PCB-1262 Peak 3	6.29	Baseline Smoothing	kimurae	03/20/12 07:23
PCB-1262 Peak 4	6.53	Baseline Smoothing	kimurae	03/20/12 07:23
PCB-1262 Peak 5	7.01	Baseline Smoothing	kimurae	03/20/12 07:23

Lab Sample ID: IC 580-107496/17 Client Sample ID: _____Date Analyzed: 03/19/12 16:13 Lab File ID: BB000783.D GC Column: ZB-35-HT ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1232 Peak 1	3.48	Baseline Smoothing	kimurae	03/20/12 07:23
PCB-1232 Peak 2	3.80	Baseline Smoothing	kimurae	03/20/12 07:23
PCB-1232 Peak 3	4.18	Baseline Smoothing	kimurae	03/20/12 07:23
PCB-1232 Peak 4	4.26	Baseline Smoothing	kimurae	03/20/12 07:14
PCB-1232 Peak 5	4.42	Baseline Smoothing	kimurae	03/20/12 07:23
PCB-1262 Peak 1	5.54	Baseline Smoothing	kimurae	03/20/12 07:23
PCB-1262 Peak 2	6.04	Baseline Smoothing	kimurae	03/20/12 07:23
PCB-1262 Peak 3	6.49	Baseline Smoothing	kimurae	03/20/12 07:30
PCB-1262 Peak 4	6.79	Baseline Smoothing	kimurae	03/20/12 07:23
PCB-1262 Peak 5	7.24	Baseline Smoothing	kimurae	03/20/12 07:23

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Seattle Job No.: 580-32287-1

SDG No.: _____

Instrument ID: TAC045 Analysis Batch Number: 107496Lab Sample ID: IC 580-107496/18 Client Sample ID: _____Date Analyzed: 03/19/12 16:27 Lab File ID: BB000784.D GC Column: ZB-XLB-HT ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1232 Peak 1	3.28	Baseline Smoothing	kimurae	03/20/12 07:24
PCB-1232 Peak 2	3.60	Baseline Smoothing	kimurae	03/20/12 07:15
PCB-1232 Peak 3	4.04	Baseline Smoothing	kimurae	03/20/12 07:24
PCB-1232 Peak 4	4.25	Baseline Smoothing	kimurae	03/20/12 07:24
PCB-1232 Peak 5	4.39	Baseline Smoothing	kimurae	03/20/12 07:15
PCB-1262 Peak 1	5.56	Baseline Smoothing	kimurae	03/20/12 07:24
PCB-1262 Peak 2	5.86	Baseline Smoothing	kimurae	03/20/12 07:24
PCB-1262 Peak 3	6.29	Baseline Smoothing	kimurae	03/20/12 07:24
PCB-1262 Peak 4	6.53	Baseline Smoothing	kimurae	03/20/12 07:24
PCB-1262 Peak 5	7.01	Baseline Smoothing	kimurae	03/20/12 07:24

Lab Sample ID: IC 580-107496/18 Client Sample ID: _____Date Analyzed: 03/19/12 16:27 Lab File ID: BB000784.D GC Column: ZB-35-HT ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1232 Peak 1	3.48	Baseline Smoothing	kimurae	03/20/12 07:15
PCB-1232 Peak 2	3.80	Baseline Smoothing	kimurae	03/20/12 07:15
PCB-1232 Peak 3	4.18	Baseline Smoothing	kimurae	03/20/12 07:24
PCB-1232 Peak 4	4.26	Baseline Smoothing	kimurae	03/20/12 07:15
PCB-1232 Peak 5	4.42	Baseline Smoothing	kimurae	03/20/12 07:15
PCB-1262 Peak 1	5.54	Baseline Smoothing	kimurae	03/20/12 07:24
PCB-1262 Peak 2	6.04	Baseline Smoothing	kimurae	03/20/12 07:24
PCB-1262 Peak 3	6.49	Baseline Smoothing	kimurae	03/20/12 07:31
PCB-1262 Peak 4	6.79	Baseline Smoothing	kimurae	03/20/12 07:31
PCB-1262 Peak 5	7.24	Baseline Smoothing	kimurae	03/20/12 07:24

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Seattle Job No.: 580-32287-1

SDG No.: _____

Instrument ID: TAC045 Analysis Batch Number: 107496Lab Sample ID: IC 580-107496/19 Client Sample ID: _____Date Analyzed: 03/19/12 16:40 Lab File ID: BB000785.D GC Column: ZB-XLB-HT ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1232 Peak 1	3.28	Baseline Smoothing	kimurae	03/20/12 07:17
PCB-1232 Peak 2	3.60	Baseline Smoothing	kimurae	03/20/12 07:17
PCB-1232 Peak 3	4.04	Baseline Smoothing	kimurae	03/20/12 07:17
PCB-1232 Peak 4	4.25	Baseline Smoothing	kimurae	03/20/12 07:17
PCB-1232 Peak 5	4.39	Baseline Smoothing	kimurae	03/20/12 07:17

Lab Sample ID: IC 580-107496/19 Client Sample ID: _____Date Analyzed: 03/19/12 16:40 Lab File ID: BB000785.D GC Column: ZB-35-HT ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1232 Peak 1	3.48	Baseline Smoothing	kimurae	03/20/12 07:17
PCB-1232 Peak 2	3.80	Baseline Smoothing	kimurae	03/20/12 07:17
PCB-1232 Peak 3	4.18	Baseline Smoothing	kimurae	03/20/12 07:17
PCB-1232 Peak 4	4.26	Baseline Smoothing	kimurae	03/20/12 07:17
PCB-1232 Peak 5	4.42	Baseline Smoothing	kimurae	03/20/12 07:17

Lab Sample ID: ICRT 580-107496/20 Client Sample ID: _____Date Analyzed: 03/19/12 16:54 Lab File ID: BB000786.D GC Column: ZB-XLB-HT ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1232 Peak 1	3.28	Baseline Smoothing	kimurae	03/20/12 07:12
PCB-1232 Peak 3	4.04	Baseline Smoothing	kimurae	03/20/12 07:12
PCB-1232 Peak 4	4.25	Baseline Smoothing	kimurae	03/20/12 07:12
PCB-1232 Peak 5	4.39	Baseline Smoothing	kimurae	03/20/12 07:12

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Seattle Job No.: 580-32287-1

SDG No.: _____

Instrument ID: TAC045 Analysis Batch Number: 107496Lab Sample ID: ICRT 580-107496/20 Client Sample ID: _____Date Analyzed: 03/19/12 16:54 Lab File ID: BB000786.D GC Column: ZB-35-HT ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1232 Peak 1	3.48	Baseline Smoothing	kimurae	03/20/12 07:12
PCB-1232 Peak 3	4.18	Baseline Smoothing	kimurae	03/20/12 07:25

Lab Sample ID: IC 580-107496/21 Client Sample ID: _____Date Analyzed: 03/19/12 17:07 Lab File ID: BB000787.D GC Column: ZB-XLB-HT ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1232 Peak 1	3.28	Baseline Smoothing	kimurae	03/20/12 07:19
PCB-1232 Peak 2	3.60	Baseline Smoothing	kimurae	03/20/12 07:19
PCB-1232 Peak 3	4.04	Baseline Smoothing	kimurae	03/20/12 07:19
PCB-1232 Peak 4	4.25	Baseline Smoothing	kimurae	03/20/12 07:25
PCB-1232 Peak 5	4.39	Baseline Smoothing	kimurae	03/20/12 07:19
PCB-1262 Peak 1	5.56	Baseline Smoothing	kimurae	03/20/12 07:25
PCB-1262 Peak 2	5.86	Baseline Smoothing	kimurae	03/20/12 07:19
PCB-1262 Peak 3	6.29	Baseline Smoothing	kimurae	03/20/12 07:19
PCB-1262 Peak 4	6.53	Baseline Smoothing	kimurae	03/20/12 07:19
PCB-1262 Peak 5	7.01	Baseline Smoothing	kimurae	03/20/12 07:19

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Seattle Job No.: 580-32287-1

SDG No.: _____

Instrument ID: TAC045 Analysis Batch Number: 107496Lab Sample ID: IC 580-107496/21 Client Sample ID: _____Date Analyzed: 03/19/12 17:07 Lab File ID: BB000787.D GC Column: ZB-35-HT ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1232 Peak 1	3.48	Baseline Smoothing	kimurae	03/20/12 07:19
PCB-1232 Peak 2	3.81	Baseline Smoothing	kimurae	03/20/12 07:19
PCB-1232 Peak 3	4.18	Baseline Smoothing	kimurae	03/20/12 07:19
PCB-1232 Peak 4	4.26	Baseline Smoothing	kimurae	03/20/12 07:19
PCB-1232 Peak 5	4.42	Baseline Smoothing	kimurae	03/20/12 07:19
PCB-1262 Peak 1	5.54	Baseline Smoothing	kimurae	03/20/12 07:19
PCB-1262 Peak 2	6.04	Baseline Smoothing	kimurae	03/20/12 07:19
PCB-1262 Peak 3	6.49	Baseline Smoothing	kimurae	03/20/12 07:19
PCB-1262 Peak 4	6.79	Baseline Smoothing	kimurae	03/20/12 07:19
PCB-1262 Peak 5	7.24	Baseline Smoothing	kimurae	03/20/12 07:19

Lab Sample ID: IC 580-107496/22 Client Sample ID: _____Date Analyzed: 03/19/12 17:21 Lab File ID: BB000788.D GC Column: ZB-XLB-HT ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1232 Peak 1	3.28	Baseline Smoothing	kimurae	03/20/12 07:21
PCB-1232 Peak 2	3.60	Baseline Smoothing	kimurae	03/20/12 07:21
PCB-1232 Peak 3	4.04	Baseline Smoothing	kimurae	03/20/12 07:21
PCB-1232 Peak 4	4.25	Baseline Smoothing	kimurae	03/20/12 07:21
PCB-1232 Peak 5	4.39	Baseline Smoothing	kimurae	03/20/12 07:21
PCB-1262 Peak 1	5.56	Baseline Smoothing	kimurae	03/20/12 07:21
PCB-1262 Peak 2	5.86	Baseline Smoothing	kimurae	03/20/12 07:21
PCB-1262 Peak 3	6.29	Baseline Smoothing	kimurae	03/20/12 07:21
PCB-1262 Peak 4	6.53	Baseline Smoothing	kimurae	03/20/12 07:21
PCB-1262 Peak 5	7.01	Baseline Smoothing	kimurae	03/20/12 07:21

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Seattle Job No.: 580-32287-1

SDG No.: _____

Instrument ID: TAC045 Analysis Batch Number: 107496Lab Sample ID: IC 580-107496/22 Client Sample ID: _____Date Analyzed: 03/19/12 17:21 Lab File ID: BB000788.D GC Column: ZB-35-HT ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1232 Peak 1	3.48	Baseline Smoothing	kimurae	03/20/12 07:21
PCB-1232 Peak 2	3.80	Baseline Smoothing	kimurae	03/20/12 07:21
PCB-1232 Peak 3	4.18	Baseline Smoothing	kimurae	03/20/12 07:21
PCB-1232 Peak 4	4.26	Baseline Smoothing	kimurae	03/20/12 07:21
PCB-1232 Peak 5	4.42	Baseline Smoothing	kimurae	03/20/12 07:30
PCB-1262 Peak 1	5.54	Baseline Smoothing	kimurae	03/20/12 07:21
PCB-1262 Peak 2	6.04	Baseline Smoothing	kimurae	03/20/12 07:21
PCB-1262 Peak 3	6.49	Baseline Smoothing	kimurae	03/20/12 07:21
PCB-1262 Peak 4	6.79	Baseline Smoothing	kimurae	03/20/12 07:21
PCB-1262 Peak 5	7.24	Baseline Smoothing	kimurae	03/20/12 07:21

Lab Sample ID: ICV 580-107496/23 Client Sample ID: _____Date Analyzed: 03/19/12 17:35 Lab File ID: BB000789.D GC Column: ZB-XLB-HT ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1232 Peak 1	3.28	Baseline Smoothing	kimurae	03/20/12 07:33
PCB-1232 Peak 2	3.60	Baseline Smoothing	kimurae	03/20/12 07:33
PCB-1232 Peak 3	4.04	Baseline Smoothing	kimurae	03/20/12 07:33
PCB-1232 Peak 4	4.25	Baseline Smoothing	kimurae	03/20/12 07:33
PCB-1232 Peak 5	4.39	Baseline Smoothing	kimurae	03/20/12 07:33

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Seattle Job No.: 580-32287-1

SDG No.: _____

Instrument ID: TAC045 Analysis Batch Number: 107496Lab Sample ID: IC 580-107496/24 Client Sample ID: _____Date Analyzed: 03/19/12 17:48 Lab File ID: BB000790.D GC Column: ZB-XLB-HT ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1242 Peak 1	3.28	Baseline Smoothing	kimurae	03/20/12 07:40
PCB-1242 Peak 2	3.60	Baseline Smoothing	kimurae	03/20/12 07:40
PCB-1242 Peak 3	4.04	Baseline Smoothing	kimurae	03/20/12 07:40
PCB-1242 Peak 4	4.25	Baseline Smoothing	kimurae	03/20/12 07:46
PCB-1242 Peak 5	4.78	Baseline Smoothing	kimurae	03/20/12 07:40

Lab Sample ID: IC 580-107496/24 Client Sample ID: _____Date Analyzed: 03/19/12 17:48 Lab File ID: BB000790.D GC Column: ZB-35-HT ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1242 Peak 1	3.48	Baseline Smoothing	kimurae	03/20/12 07:40
PCB-1242 Peak 2	3.80	Baseline Smoothing	kimurae	03/20/12 07:46
PCB-1242 Peak 3	4.18	Baseline Smoothing	kimurae	03/20/12 07:40
PCB-1242 Peak 4	4.35	Baseline Smoothing	kimurae	03/20/12 07:40
PCB-1242 Peak 5	4.72	Baseline Smoothing	kimurae	03/20/12 07:40

Lab Sample ID: IC 580-107496/25 Client Sample ID: _____Date Analyzed: 03/19/12 18:02 Lab File ID: BB000791.D GC Column: ZB-XLB-HT ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1242 Peak 1	3.28	Baseline Smoothing	kimurae	03/20/12 07:41
PCB-1242 Peak 2	3.60	Baseline Smoothing	kimurae	03/20/12 07:41
PCB-1242 Peak 3	4.04	Baseline Smoothing	kimurae	03/20/12 07:41
PCB-1242 Peak 4	4.25	Baseline Smoothing	kimurae	03/20/12 07:41
PCB-1242 Peak 5	4.78	Baseline Smoothing	kimurae	03/20/12 07:41

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Seattle Job No.: 580-32287-1

SDG No.: _____

Instrument ID: TAC045 Analysis Batch Number: 107496Lab Sample ID: IC 580-107496/26 Client Sample ID: _____Date Analyzed: 03/19/12 18:15 Lab File ID: BB000792.D GC Column: ZB-XLB-HT ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1242 Peak 1	3.28	Baseline Smoothing	kimurae	03/20/12 07:42
PCB-1242 Peak 2	3.60	Baseline Smoothing	kimurae	03/20/12 07:42
PCB-1242 Peak 3	4.04	Baseline Smoothing	kimurae	03/20/12 07:42
PCB-1242 Peak 4	4.25	Baseline Smoothing	kimurae	03/20/12 07:42
PCB-1242 Peak 5	4.78	Baseline Smoothing	kimurae	03/20/12 07:42

Lab Sample ID: IC 580-107496/26 Client Sample ID: _____Date Analyzed: 03/19/12 18:15 Lab File ID: BB000792.D GC Column: ZB-35-HT ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1242 Peak 1	3.48	Baseline Smoothing	kimurae	03/20/12 07:42
PCB-1242 Peak 2	3.80	Baseline Smoothing	kimurae	03/20/12 07:42
PCB-1242 Peak 3	4.18	Baseline Smoothing	kimurae	03/20/12 07:42
PCB-1242 Peak 4	4.35	Baseline Smoothing	kimurae	03/20/12 07:42
PCB-1242 Peak 5	4.72	Baseline Smoothing	kimurae	03/20/12 07:42

Lab Sample ID: ICRT 580-107496/27 Client Sample ID: _____Date Analyzed: 03/19/12 18:29 Lab File ID: BB000793.D GC Column: ZB-XLB-HT ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1242 Peak 1	3.28	Baseline Smoothing	kimurae	03/20/12 07:43
PCB-1242 Peak 2	3.60	Baseline Smoothing	kimurae	03/20/12 07:43
PCB-1242 Peak 3	4.04	Baseline Smoothing	kimurae	03/20/12 07:43
PCB-1242 Peak 4	4.25	Baseline Smoothing	kimurae	03/20/12 07:43
PCB-1242 Peak 5	4.78	Baseline Smoothing	kimurae	03/20/12 07:43

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Seattle Job No.: 580-32287-1

SDG No.: _____

Instrument ID: TAC045 Analysis Batch Number: 107496Lab Sample ID: IC 580-107496/28 Client Sample ID: _____Date Analyzed: 03/19/12 18:43 Lab File ID: BB000794.D GC Column: ZB-XLB-HT ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1242 Peak 1	3.28	Baseline Smoothing	kimurae	03/20/12 07:44
PCB-1242 Peak 2	3.60	Baseline Smoothing	kimurae	03/20/12 07:44
PCB-1242 Peak 3	4.04	Baseline Smoothing	kimurae	03/20/12 07:44
PCB-1242 Peak 4	4.25	Baseline Smoothing	kimurae	03/20/12 07:44
PCB-1242 Peak 5	4.78	Baseline Smoothing	kimurae	03/20/12 07:44

Lab Sample ID: IC 580-107496/28 Client Sample ID: _____Date Analyzed: 03/19/12 18:43 Lab File ID: BB000794.D GC Column: ZB-35-HT ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1242 Peak 1	3.48	Baseline Smoothing	kimurae	03/20/12 07:44
PCB-1242 Peak 2	3.80	Baseline Smoothing	kimurae	03/20/12 07:44
PCB-1242 Peak 3	4.18	Baseline Smoothing	kimurae	03/20/12 07:44
PCB-1242 Peak 4	4.35	Baseline Smoothing	kimurae	03/20/12 07:44
PCB-1242 Peak 5	4.72	Baseline Smoothing	kimurae	03/20/12 07:44

Lab Sample ID: IC 580-107496/29 Client Sample ID: _____Date Analyzed: 03/19/12 18:56 Lab File ID: BB000795.D GC Column: ZB-XLB-HT ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1242 Peak 1	3.28	Baseline Smoothing	kimurae	03/20/12 07:45
PCB-1242 Peak 2	3.60	Baseline Smoothing	kimurae	03/20/12 07:45
PCB-1242 Peak 3	4.04	Baseline Smoothing	kimurae	03/20/12 07:45
PCB-1242 Peak 4	4.25	Baseline Smoothing	kimurae	03/20/12 07:45
PCB-1242 Peak 5	4.78	Baseline Smoothing	kimurae	03/20/12 07:45

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Seattle Job No.: 580-32287-1

SDG No.: _____

Instrument ID: TAC045 Analysis Batch Number: 107496Lab Sample ID: IC 580-107496/29 Client Sample ID: _____Date Analyzed: 03/19/12 18:56 Lab File ID: BB000795.D GC Column: ZB-35-HT ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1242 Peak 1	3.48	Baseline Smoothing	kimurae	03/20/12 07:45
PCB-1242 Peak 2	3.81	Baseline Smoothing	kimurae	03/20/12 07:45
PCB-1242 Peak 3	4.18	Baseline Smoothing	kimurae	03/20/12 07:45
PCB-1242 Peak 4	4.35	Baseline Smoothing	kimurae	03/20/12 07:45
PCB-1242 Peak 5	4.72	Baseline Smoothing	kimurae	03/20/12 07:45

Lab Sample ID: ICV 580-107496/30 Client Sample ID: _____Date Analyzed: 03/19/12 19:10 Lab File ID: BB000796.D GC Column: ZB-XLB-HT ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1242 Peak 1	3.28	Baseline Smoothing	kimurae	03/20/12 07:50
PCB-1242 Peak 2	3.60	Baseline Smoothing	kimurae	03/20/12 07:50
PCB-1242 Peak 3	4.04	Baseline Smoothing	kimurae	03/20/12 07:50
PCB-1242 Peak 4	4.25	Baseline Smoothing	kimurae	03/20/12 07:50
PCB-1242 Peak 5	4.78	Baseline Smoothing	kimurae	03/20/12 07:50

Lab Sample ID: ICV 580-107496/30 Client Sample ID: _____Date Analyzed: 03/19/12 19:10 Lab File ID: BB000796.D GC Column: ZB-35-HT ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1242 Peak 1	3.48	Baseline Smoothing	kimurae	03/20/12 07:50
PCB-1242 Peak 2	3.80	Baseline Smoothing	kimurae	03/20/12 07:50
PCB-1242 Peak 3	4.18	Baseline Smoothing	kimurae	03/20/12 07:50
PCB-1242 Peak 4	4.35	Baseline Smoothing	kimurae	03/20/12 07:50
PCB-1242 Peak 5	4.72	Baseline Smoothing	kimurae	03/20/12 07:50

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Seattle Job No.: 580-32287-1

SDG No.: _____

Instrument ID: TAC045 Analysis Batch Number: 107496Lab Sample ID: IC 580-107496/31 Client Sample ID: _____Date Analyzed: 03/20/12 09:36 Lab File ID: BB000810.D GC Column: ZB-XLB-HT ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1248 Peak 1	4.25	Baseline Smoothing	kimurae	03/20/12 10:15
PCB-1248 Peak 2	4.39	Baseline Smoothing	kimurae	03/20/12 10:15
PCB-1248 Peak 3	4.52	Baseline Smoothing	kimurae	03/20/12 10:15
PCB-1248 Peak 4	4.75	Baseline Smoothing	kimurae	03/20/12 10:15
PCB-1248 Peak 5	4.88	Baseline Smoothing	kimurae	03/20/12 10:15
PCB-1268 Peak 1	6.53	Baseline Smoothing	kimurae	03/20/12 10:15
PCB-1268 Peak 2	6.59	Baseline Smoothing	kimurae	03/20/12 10:15
PCB-1268 Peak 3	6.76	Baseline Smoothing	kimurae	03/20/12 10:15
PCB-1268 Peak 4	7.01	Baseline Smoothing	kimurae	03/20/12 10:15
PCB-1268 Peak 5	7.25	Baseline Smoothing	kimurae	03/20/12 10:15

Lab Sample ID: IC 580-107496/31 Client Sample ID: _____Date Analyzed: 03/20/12 09:36 Lab File ID: BB000810.D GC Column: ZB-35-HT ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1248 Peak 1	4.18	Baseline Smoothing	kimurae	03/20/12 10:15
PCB-1248 Peak 2	4.42	Baseline Smoothing	kimurae	03/20/12 10:15
PCB-1248 Peak 3	4.61	Baseline Smoothing	kimurae	03/20/12 10:15
PCB-1248 Peak 4	4.72	Baseline Smoothing	kimurae	03/20/12 10:15
PCB-1248 Peak 5	4.92	Baseline Smoothing	kimurae	03/20/12 10:15
PCB-1268 Peak 1	6.73	Baseline Smoothing	kimurae	03/20/12 10:15
PCB-1268 Peak 2	6.79	Baseline Smoothing	kimurae	03/20/12 10:15
PCB-1268 Peak 3	6.95	Baseline Smoothing	kimurae	03/20/12 10:15
PCB-1268 Peak 4	7.24	Baseline Smoothing	kimurae	03/20/12 10:15
PCB-1268 Peak 5	7.47	Baseline Smoothing	kimurae	03/20/12 10:15

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Seattle Job No.: 580-32287-1

SDG No.: _____

Instrument ID: TAC045 Analysis Batch Number: 107496Lab Sample ID: IC 580-107496/32 Client Sample ID: _____Date Analyzed: 03/20/12 09:50 Lab File ID: BB000811.D GC Column: ZB-XLB-HT ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1248 Peak 1	4.25	Baseline Smoothing	kimurae	03/20/12 10:17
PCB-1248 Peak 2	4.39	Baseline Smoothing	kimurae	03/20/12 10:17
PCB-1248 Peak 3	4.52	Baseline Smoothing	kimurae	03/20/12 10:17
PCB-1248 Peak 4	4.75	Baseline Smoothing	kimurae	03/20/12 10:17
PCB-1248 Peak 5	4.88	Baseline Smoothing	kimurae	03/20/12 10:17

Lab Sample ID: IC 580-107496/32 Client Sample ID: _____Date Analyzed: 03/20/12 09:50 Lab File ID: BB000811.D GC Column: ZB-35-HT ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1248 Peak 1	4.18	Baseline Smoothing	kimurae	03/20/12 10:17
PCB-1248 Peak 2	4.42	Baseline Smoothing	kimurae	03/20/12 10:17
PCB-1248 Peak 3	4.61	Baseline Smoothing	kimurae	03/20/12 10:17
PCB-1248 Peak 4	4.72	Baseline Smoothing	kimurae	03/20/12 10:17
PCB-1248 Peak 5	4.92	Baseline Smoothing	kimurae	03/20/12 10:17

Lab Sample ID: IC 580-107496/33 Client Sample ID: _____Date Analyzed: 03/20/12 10:04 Lab File ID: BB000812.D GC Column: ZB-XLB-HT ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1248 Peak 1	4.25	Baseline Smoothing	kimurae	03/20/12 10:48
PCB-1248 Peak 2	4.39	Baseline Smoothing	kimurae	03/20/12 10:48
PCB-1248 Peak 3	4.52	Baseline Smoothing	kimurae	03/20/12 10:48
PCB-1248 Peak 4	4.75	Baseline Smoothing	kimurae	03/20/12 10:48
PCB-1248 Peak 5	4.88	Baseline Smoothing	kimurae	03/20/12 10:48

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Seattle Job No.: 580-32287-1

SDG No.: _____

Instrument ID: TAC045 Analysis Batch Number: 107496Lab Sample ID: IC 580-107496/33 Client Sample ID: _____Date Analyzed: 03/20/12 10:04 Lab File ID: BB000812.D GC Column: ZB-35-HT ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1248 Peak 1	4.18	Baseline Smoothing	kimurae	03/20/12 10:48
PCB-1248 Peak 2	4.42	Baseline Smoothing	kimurae	03/20/12 10:48
PCB-1248 Peak 3	4.61	Baseline Smoothing	kimurae	03/20/12 10:48
PCB-1248 Peak 4	4.72	Baseline Smoothing	kimurae	03/20/12 10:48
PCB-1248 Peak 5	4.92	Baseline Smoothing	kimurae	03/20/12 10:48
PCB-1268 Peak 1	6.73	Baseline Smoothing	kimurae	03/20/12 10:48
PCB-1268 Peak 2	6.79	Baseline Smoothing	kimurae	03/20/12 10:48
PCB-1268 Peak 3	6.95	Baseline Smoothing	kimurae	03/20/12 10:48
PCB-1268 Peak 4	7.24	Baseline Smoothing	kimurae	03/20/12 10:48
PCB-1268 Peak 5	7.47	Baseline Smoothing	kimurae	03/20/12 10:48

Lab Sample ID: IC 580-107496/35 Client Sample ID: _____Date Analyzed: 03/20/12 10:31 Lab File ID: BB000814.D GC Column: ZB-XLB-HT ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1248 Peak 1	4.25	Baseline Smoothing	kimurae	03/20/12 10:56
PCB-1248 Peak 2	4.39	Baseline Smoothing	kimurae	03/20/12 10:56
PCB-1248 Peak 3	4.52	Baseline Smoothing	kimurae	03/20/12 10:56
PCB-1248 Peak 4	4.75	Baseline Smoothing	kimurae	03/20/12 10:56
PCB-1248 Peak 5	4.88	Baseline Smoothing	kimurae	03/20/12 10:56
PCB-1268 Peak 1	6.53	Baseline Smoothing	kimurae	03/20/12 10:56
PCB-1268 Peak 2	6.59	Baseline Smoothing	kimurae	03/20/12 10:56
PCB-1268 Peak 3	6.76	Baseline Smoothing	kimurae	03/20/12 10:56
PCB-1268 Peak 4	7.01	Baseline Smoothing	kimurae	03/20/12 10:56
PCB-1268 Peak 5	7.25	Baseline Smoothing	kimurae	03/20/12 10:56

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Seattle Job No.: 580-32287-1

SDG No.: _____

Instrument ID: TAC045 Analysis Batch Number: 107496Lab Sample ID: IC 580-107496/35 Client Sample ID: _____Date Analyzed: 03/20/12 10:31 Lab File ID: BB000814.D GC Column: ZB-35-HT ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1248 Peak 1	4.18	Baseline Smoothing	kimurae	03/20/12 10:56
PCB-1248 Peak 2	4.42	Baseline Smoothing	kimurae	03/20/12 10:56
PCB-1248 Peak 3	4.61	Baseline Smoothing	kimurae	03/20/12 10:56
PCB-1248 Peak 4	4.72	Baseline Smoothing	kimurae	03/20/12 10:56
PCB-1248 Peak 5	4.92	Baseline Smoothing	kimurae	03/20/12 10:56

Lab Sample ID: IC 580-107496/36 Client Sample ID: _____Date Analyzed: 03/20/12 10:44 Lab File ID: BB000815.D GC Column: ZB-XLB-HT ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1248 Peak 1	4.25	Baseline Smoothing	kimurae	03/20/12 11:03
PCB-1248 Peak 2	4.39	Baseline Smoothing	kimurae	03/20/12 11:03
PCB-1248 Peak 3	4.52	Baseline Smoothing	kimurae	03/20/12 11:03
PCB-1248 Peak 4	4.75	Baseline Smoothing	kimurae	03/20/12 11:03
PCB-1248 Peak 5	4.88	Baseline Smoothing	kimurae	03/20/12 11:03

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Seattle Job No.: 580-32287-1

SDG No.: _____

Instrument ID: TAC045 Analysis Batch Number: 109208Lab Sample ID: CCVRT 580-109208/1 Client Sample ID: _____Date Analyzed: 04/13/12 07:48 Lab File ID: BB001368.D GC Column: ZB-XLB-HT ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Tetrachloro-m-xylene	2.84	Baseline Smoothing	kimurae	04/16/12 13:09
PCB-1016 Peak 1	3.53	Baseline Smoothing	kimurae	04/16/12 13:09
PCB-1016 Peak 2	3.68	Baseline Smoothing	kimurae	04/16/12 13:09
PCB-1016 Peak 3	3.98	Baseline Smoothing	kimurae	04/16/12 13:09
PCB-1016 Peak 4	4.08	Baseline Smoothing	kimurae	04/16/12 13:09
PCB-1016 Peak 5	4.32	Baseline Smoothing	kimurae	04/16/12 13:09

Lab Sample ID: CCVRT 580-109208/1 Client Sample ID: _____Date Analyzed: 04/13/12 07:48 Lab File ID: BB001368.D GC Column: ZB-35-HT ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Tetrachloro-m-xylene	2.88	Baseline Smoothing	kimurae	04/16/12 13:09

Lab Sample ID: CCV 580-109208/2 Client Sample ID: _____Date Analyzed: 04/13/12 08:01 Lab File ID: BB001369.D GC Column: ZB-XLB-HT ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1221 Peak 1	2.01	Baseline Smoothing	kimurae	04/13/12 12:13
PCB-1221 Peak 2	3.05	Baseline Smoothing	kimurae	04/13/12 12:13
PCB-1221 Peak 3	3.13	Baseline Smoothing	kimurae	04/13/12 12:13
PCB-1221 Peak 4	3.21	Baseline Smoothing	kimurae	04/13/12 12:13

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Seattle Job No.: 580-32287-1

SDG No.: _____

Instrument ID: TAC045 Analysis Batch Number: 109208Lab Sample ID: CCV 580-109208/2 Client Sample ID: _____Date Analyzed: 04/13/12 08:01 Lab File ID: BB001369.D GC Column: ZB-35-HT ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1221 Peak 1	2.39	Baseline Smoothing	kimurae	04/13/12 12:13
PCB-1221 Peak 2	3.28	Baseline Smoothing	kimurae	04/13/12 12:13
PCB-1221 Peak 3	3.39	Baseline Smoothing	kimurae	04/13/12 12:13
PCB-1221 Peak 4	3.46	Baseline Smoothing	kimurae	04/13/12 12:13

Lab Sample ID: CCV 580-109208/3 Client Sample ID: _____Date Analyzed: 04/13/12 08:15 Lab File ID: BB001370.D GC Column: ZB-XLB-HT ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1232 Peak 1	3.21	Baseline Smoothing	kimurae	04/13/12 12:24
PCB-1232 Peak 2	3.54	Baseline Smoothing	kimurae	04/13/12 12:24
PCB-1232 Peak 3	3.98	Baseline Smoothing	kimurae	04/13/12 12:24
PCB-1232 Peak 4	4.18	Baseline Smoothing	kimurae	04/13/12 12:24
PCB-1232 Peak 5	4.32	Baseline Smoothing	kimurae	04/13/12 12:24

Lab Sample ID: CCV 580-109208/3 Client Sample ID: _____Date Analyzed: 04/13/12 08:15 Lab File ID: BB001370.D GC Column: ZB-35-HT ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1232 Peak 1	3.46	Baseline Smoothing	kimurae	04/13/12 12:24
PCB-1232 Peak 2	3.79	Baseline Smoothing	kimurae	04/13/12 12:24
PCB-1232 Peak 3	4.16	Baseline Smoothing	kimurae	04/13/12 12:24
PCB-1232 Peak 4	4.24	Baseline Smoothing	kimurae	04/13/12 12:24
PCB-1232 Peak 5	4.40	Baseline Smoothing	kimurae	04/13/12 12:24

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Seattle Job No.: 580-32287-1

SDG No.: _____

Instrument ID: TAC045 Analysis Batch Number: 109208Lab Sample ID: CCV 580-109208/4 Client Sample ID: _____Date Analyzed: 04/13/12 08:29 Lab File ID: BB001371.D GC Column: ZB-XLB-HT ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1242 Peak 1	3.21	Baseline Smoothing	kimurae	04/13/12 12:25
PCB-1242 Peak 2	3.53	Baseline Smoothing	kimurae	04/13/12 12:25
PCB-1242 Peak 3	3.98	Baseline Smoothing	kimurae	04/13/12 12:25
PCB-1242 Peak 4	4.18	Baseline Smoothing	kimurae	04/13/12 12:25
PCB-1242 Peak 5	4.71	Baseline Smoothing	kimurae	04/13/12 12:25

Lab Sample ID: CCV 580-109208/4 Client Sample ID: _____Date Analyzed: 04/13/12 08:29 Lab File ID: BB001371.D GC Column: ZB-35-HT ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1242 Peak 1	3.46	Baseline Smoothing	kimurae	04/13/12 12:25
PCB-1242 Peak 2	3.79	Baseline Smoothing	kimurae	04/13/12 12:25
PCB-1242 Peak 3	4.16	Baseline Smoothing	kimurae	04/13/12 12:25
PCB-1242 Peak 4	4.34	Baseline Smoothing	kimurae	04/13/12 12:25
PCB-1242 Peak 5	4.70	Baseline Smoothing	kimurae	04/13/12 12:25

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Seattle Job No.: 580-32287-1

SDG No.: _____

Instrument ID: TAC045 Analysis Batch Number: 109208Lab Sample ID: CCV 580-109208/5 Client Sample ID: _____Date Analyzed: 04/13/12 08:42 Lab File ID: BB001372.D GC Column: ZB-XLB-HT ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1248 Peak 1	4.18	Baseline Smoothing	kimurae	04/13/12 12:34
PCB-1248 Peak 2	4.32	Baseline Smoothing	kimurae	04/13/12 12:34
PCB-1248 Peak 3	4.46	Baseline Smoothing	kimurae	04/13/12 12:34
PCB-1248 Peak 4	4.68	Baseline Smoothing	kimurae	04/13/12 12:34
PCB-1248 Peak 5	4.81	Baseline Smoothing	kimurae	04/13/12 12:34
PCB-1268 Peak 1	6.46	Baseline Smoothing	kimurae	04/13/12 12:34
PCB-1268 Peak 2	6.52	Baseline Smoothing	kimurae	04/13/12 12:34
PCB-1268 Peak 3	6.68	Baseline Smoothing	kimurae	04/13/12 12:34
PCB-1268 Peak 4	6.93	Baseline Smoothing	kimurae	04/13/12 12:34
PCB-1268 Peak 5	7.17	Baseline Smoothing	kimurae	04/13/12 12:34

Lab Sample ID: CCV 580-109208/5 Client Sample ID: _____Date Analyzed: 04/13/12 08:42 Lab File ID: BB001372.D GC Column: ZB-35-HT ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1248 Peak 1	4.16	Baseline Smoothing	kimurae	04/13/12 12:34
PCB-1248 Peak 2	4.40	Baseline Smoothing	kimurae	04/13/12 12:34
PCB-1248 Peak 3	4.59	Baseline Smoothing	kimurae	04/13/12 12:34
PCB-1248 Peak 4	4.70	Baseline Smoothing	kimurae	04/13/12 12:34
PCB-1248 Peak 5	4.90	Baseline Smoothing	kimurae	04/13/12 12:34
PCB-1268 Peak 1	6.71	Baseline Smoothing	kimurae	04/13/12 12:34
PCB-1268 Peak 2	6.77	Baseline Smoothing	kimurae	04/13/12 12:34
PCB-1268 Peak 3	6.93	Baseline Smoothing	kimurae	04/13/12 12:34
PCB-1268 Peak 4	7.22	Baseline Smoothing	kimurae	04/13/12 12:34
PCB-1268 Peak 5	7.45	Baseline Smoothing	kimurae	04/13/12 12:34

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Seattle Job No.: 580-32287-1

SDG No.: _____

Instrument ID: TAC045 Analysis Batch Number: 109208Lab Sample ID: MB 580-109093/1-A Client Sample ID: _____Date Analyzed: 04/13/12 09:37 Lab File ID: BB001373.D GC Column: ZB-XLB-HT ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Tetrachloro-m-xylene	2.85	Baseline Smoothing	kimurae	04/13/12 10:42
PCB-1260 Peak 1	5.27	Baseline Smoothing	kimurae	04/13/12 10:42
PCB-1260 Peak 2	5.49	Baseline Smoothing	kimurae	04/13/12 10:42
PCB-1260 Peak 3	5.71	Baseline Smoothing	kimurae	04/13/12 10:42
PCB-1260 Peak 4	6.22	Baseline Smoothing	kimurae	04/13/12 10:42
PCB-1260 Peak 5	6.45	Baseline Smoothing	kimurae	04/13/12 10:42

Lab Sample ID: LCS 580-109093/2-A Client Sample ID: _____Date Analyzed: 04/13/12 09:51 Lab File ID: BB001374.D GC Column: ZB-XLB-HT ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Tetrachloro-m-xylene	2.84	Baseline Smoothing	kimurae	04/13/12 10:43
PCB-1016 Peak 1	3.53	Baseline Smoothing	kimurae	04/13/12 10:43
PCB-1016 Peak 2	3.68	Baseline Smoothing	kimurae	04/13/12 10:43
PCB-1016 Peak 3	3.98	Baseline Smoothing	kimurae	04/13/12 10:43
PCB-1016 Peak 4	4.08	Baseline Smoothing	kimurae	04/13/12 10:43
PCB-1016 Peak 5	4.32	Baseline Smoothing	kimurae	04/13/12 10:43

Lab Sample ID: LCSD 580-109093/3-A Client Sample ID: _____Date Analyzed: 04/13/12 10:04 Lab File ID: BB001375.D GC Column: ZB-XLB-HT ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Tetrachloro-m-xylene	2.84	Baseline Smoothing	kimurae	04/13/12 10:44
PCB-1016 Peak 1	3.53	Baseline Smoothing	kimurae	04/13/12 10:44
PCB-1016 Peak 2	3.68	Baseline Smoothing	kimurae	04/13/12 10:44
PCB-1016 Peak 3	3.98	Baseline Smoothing	kimurae	04/13/12 10:44
PCB-1016 Peak 4	4.08	Baseline Smoothing	kimurae	04/13/12 10:44
PCB-1016 Peak 5	4.32	Baseline Smoothing	kimurae	04/13/12 10:44

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Seattle Job No.: 580-32287-1

SDG No.: _____

Instrument ID: TAC045 Analysis Batch Number: 109208Lab Sample ID: 580-32287-17 Client Sample ID: MW-08-040612Date Analyzed: 04/13/12 10:32 Lab File ID: BB001377.D GC Column: ZB-XLB-HT ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Tetrachloro-m-xylene	2.84	Baseline Smoothing	kimurae	04/13/12 10:46

Lab Sample ID: 580-32287-17 Client Sample ID: MW-08-040612Date Analyzed: 04/13/12 10:32 Lab File ID: BB001377.D GC Column: ZB-35-HT ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Tetrachloro-m-xylene	2.88	Baseline Smoothing	kimurae	04/13/12 10:46

Lab Sample ID: 580-32287-18 Client Sample ID: IDW-02-040612Date Analyzed: 04/13/12 10:45 Lab File ID: BB001378.D GC Column: ZB-XLB-HT ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Tetrachloro-m-xylene	2.84	Baseline Smoothing	kimurae	04/13/12 10:58

Lab Sample ID: 580-32287-18 Client Sample ID: IDW-02-040612Date Analyzed: 04/13/12 10:45 Lab File ID: BB001378.D GC Column: ZB-35-HT ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Tetrachloro-m-xylene	2.88	Baseline Smoothing	kimurae	04/13/12 10:58

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Seattle Job No.: 580-32287-1

SDG No.: _____

Instrument ID: TAC045 Analysis Batch Number: 109208Lab Sample ID: CCV 580-109208/12 Client Sample ID: _____Date Analyzed: 04/13/12 10:59 Lab File ID: BB001379.D GC Column: ZB-XLB-HT ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Tetrachloro-m-xylene	2.84	Baseline Smoothing	kimurae	04/13/12 11:43
PCB-1016 Peak 1	3.53	Baseline Smoothing	kimurae	04/13/12 11:43
PCB-1016 Peak 2	3.68	Baseline Smoothing	kimurae	04/13/12 11:43
PCB-1016 Peak 3	3.98	Baseline Smoothing	kimurae	04/13/12 11:43
PCB-1016 Peak 4	4.08	Baseline Smoothing	kimurae	04/13/12 11:43
PCB-1016 Peak 5	4.32	Baseline Smoothing	kimurae	04/13/12 11:43

Lab Sample ID: CCV 580-109208/12 Client Sample ID: _____Date Analyzed: 04/13/12 10:59 Lab File ID: BB001379.D GC Column: ZB-35-HT ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Tetrachloro-m-xylene	2.88	Baseline Smoothing	kimurae	04/13/12 11:43

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Seattle Job No.: 580-32287-1

SDG No.: _____

Instrument ID: TAC045 Analysis Batch Number: 109551Lab Sample ID: CCVRT 580-109551/1 Client Sample ID: _____Date Analyzed: 04/18/12 11:55 Lab File ID: BB001555.D GC Column: ZB-XLB-HT ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Tetrachloro-m-xylene	2.84	Baseline Smoothing	kimurae	04/18/12 12:11
PCB-1016 Peak 1	3.53	Baseline Smoothing	kimurae	04/18/12 12:11
PCB-1016 Peak 2	3.68	Baseline Smoothing	kimurae	04/18/12 12:11
PCB-1016 Peak 3	3.98	Baseline Smoothing	kimurae	04/18/12 12:11
PCB-1016 Peak 4	4.08	Baseline Smoothing	kimurae	04/18/12 12:11
PCB-1016 Peak 5	4.32	Baseline Smoothing	kimurae	04/18/12 12:11
PCB-1260 Peak 1	5.26	Baseline Smoothing	kimurae	04/18/12 12:11
PCB-1260 Peak 2	5.49	Baseline Smoothing	kimurae	04/18/12 12:11
PCB-1260 Peak 3	5.71	Baseline Smoothing	kimurae	04/18/12 12:11
PCB-1260 Peak 4	6.22	Baseline Smoothing	kimurae	04/18/12 12:11
PCB-1260 Peak 5	6.45	Baseline Smoothing	kimurae	04/18/12 12:11
DCB Decachlorobiphenyl	7.35	Baseline Smoothing	kimurae	04/18/12 12:11

Lab Sample ID: CCVRT 580-109551/1 Client Sample ID: _____Date Analyzed: 04/18/12 11:55 Lab File ID: BB001555.D GC Column: ZB-35-HT ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Tetrachloro-m-xylene	2.88	Baseline Smoothing	kimurae	04/18/12 12:11

Lab Sample ID: CCV 580-109551/2 Client Sample ID: _____Date Analyzed: 04/18/12 12:09 Lab File ID: BB001556.D GC Column: ZB-XLB-HT ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1221 Peak 1	2.01	Baseline Smoothing	kimurae	04/18/12 12:42
PCB-1221 Peak 2	3.05	Baseline Smoothing	kimurae	04/18/12 12:42
PCB-1221 Peak 3	3.13	Baseline Smoothing	kimurae	04/18/12 12:42
PCB-1221 Peak 4	3.21	Baseline Smoothing	kimurae	04/18/12 12:42

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Seattle Job No.: 580-32287-1

SDG No.: _____

Instrument ID: TAC045 Analysis Batch Number: 109551Lab Sample ID: CCV 580-109551/2 Client Sample ID: _____Date Analyzed: 04/18/12 12:09 Lab File ID: BB001556.D GC Column: ZB-35-HT ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1221 Peak 1	2.39	Baseline Smoothing	kimurae	04/18/12 12:42
PCB-1221 Peak 2	3.28	Baseline Smoothing	kimurae	04/18/12 12:42
PCB-1221 Peak 3	3.39	Baseline Smoothing	kimurae	04/18/12 12:42
PCB-1221 Peak 4	3.46	Baseline Smoothing	kimurae	04/18/12 12:42

Lab Sample ID: CCV 580-109551/3 Client Sample ID: _____Date Analyzed: 04/18/12 12:22 Lab File ID: BB001557.D GC Column: ZB-XLB-HT ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1232 Peak 1	3.21	Baseline Smoothing	kimurae	04/18/12 18:07
PCB-1232 Peak 2	3.53	Baseline Smoothing	kimurae	04/18/12 18:07
PCB-1232 Peak 3	3.98	Baseline Smoothing	kimurae	04/18/12 18:07
PCB-1232 Peak 4	4.18	Baseline Smoothing	kimurae	04/18/12 18:07
PCB-1232 Peak 5	4.32	Baseline Smoothing	kimurae	04/18/12 18:07

Lab Sample ID: CCV 580-109551/4 Client Sample ID: _____Date Analyzed: 04/18/12 12:36 Lab File ID: BB001558.D GC Column: ZB-XLB-HT ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1242 Peak 1	3.21	Baseline Smoothing	kimurae	04/18/12 18:08
PCB-1242 Peak 2	3.53	Baseline Smoothing	kimurae	04/18/12 18:08
PCB-1242 Peak 3	3.98	Baseline Smoothing	kimurae	04/18/12 18:08
PCB-1242 Peak 4	4.18	Baseline Smoothing	kimurae	04/18/12 18:08
PCB-1242 Peak 5	4.71	Baseline Smoothing	kimurae	04/18/12 18:08

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Seattle Job No.: 580-32287-1

SDG No.: _____

Instrument ID: TAC045 Analysis Batch Number: 109551Lab Sample ID: CCV 580-109551/4 Client Sample ID: _____Date Analyzed: 04/18/12 12:36 Lab File ID: BB001558.D GC Column: ZB-35-HT ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1242 Peak 1	3.46	Baseline Smoothing	kimurae	04/18/12 18:08
PCB-1242 Peak 2	3.79	Baseline Smoothing	kimurae	04/18/12 18:08
PCB-1242 Peak 3	4.16	Baseline Smoothing	kimurae	04/18/12 18:08
PCB-1242 Peak 4	4.33	Baseline Smoothing	kimurae	04/18/12 18:08
PCB-1242 Peak 5	4.70	Baseline Smoothing	kimurae	04/18/12 18:08

Lab Sample ID: CCV 580-109551/5 Client Sample ID: _____Date Analyzed: 04/18/12 12:50 Lab File ID: BB001559.D GC Column: ZB-XLB-HT ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1248 Peak 1	4.18	Baseline Smoothing	kimurae	04/18/12 18:08
PCB-1248 Peak 2	4.32	Baseline Smoothing	kimurae	04/18/12 18:08
PCB-1248 Peak 3	4.46	Baseline Smoothing	kimurae	04/18/12 18:08
PCB-1248 Peak 4	4.68	Baseline Smoothing	kimurae	04/18/12 18:08
PCB-1248 Peak 5	4.81	Baseline Smoothing	kimurae	04/18/12 18:08

Lab Sample ID: MB 580-109461/1-A Client Sample ID: _____Date Analyzed: 04/18/12 13:03 Lab File ID: BB001560.D GC Column: ZB-XLB-HT ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Tetrachloro-m-xylene	2.84	Baseline Smoothing	kimurae	04/18/12 13:43
DCB Decachlorobiphenyl	7.35	Baseline Smoothing	kimurae	04/18/12 13:43

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Seattle Job No.: 580-32287-1

SDG No.: _____

Instrument ID: TAC045 Analysis Batch Number: 109551Lab Sample ID: MB 580-109461/1-A Client Sample ID: _____Date Analyzed: 04/18/12 13:03 Lab File ID: BB001560.D GC Column: ZB-35-HT ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Tetrachloro-m-xylene	2.88	Baseline Smoothing	kimurae	04/18/12 13:43

Lab Sample ID: LCS 580-109461/3-A Client Sample ID: _____Date Analyzed: 04/18/12 13:17 Lab File ID: BB001561.D GC Column: ZB-XLB-HT ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Tetrachloro-m-xylene	2.84	Baseline Smoothing	kimurae	04/18/12 13:44
PCB-1016 Peak 1	3.53	Baseline Smoothing	kimurae	04/18/12 13:44
PCB-1016 Peak 2	3.68	Baseline Smoothing	kimurae	04/18/12 13:44
PCB-1016 Peak 3	3.98	Baseline Smoothing	kimurae	04/18/12 13:44
PCB-1016 Peak 4	4.08	Baseline Smoothing	kimurae	04/18/12 13:44
PCB-1016 Peak 5	4.32	Baseline Smoothing	kimurae	04/18/12 13:44
PCB-1260 Peak 1	5.26	Baseline Smoothing	kimurae	04/18/12 13:44
PCB-1260 Peak 2	5.49	Baseline Smoothing	kimurae	04/18/12 13:44
PCB-1260 Peak 3	5.71	Baseline Smoothing	kimurae	04/18/12 13:44
PCB-1260 Peak 4	6.22	Baseline Smoothing	kimurae	04/18/12 13:44
PCB-1260 Peak 5	6.45	Baseline Smoothing	kimurae	04/18/12 13:44

Lab Sample ID: LCS 580-109461/3-A Client Sample ID: _____Date Analyzed: 04/18/12 13:17 Lab File ID: BB001561.D GC Column: ZB-35-HT ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Tetrachloro-m-xylene	2.88	Baseline Smoothing	kimurae	04/18/12 13:44

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Seattle Job No.: 580-32287-1

SDG No.: _____

Instrument ID: TAC045 Analysis Batch Number: 109551Lab Sample ID: 580-32287-1 Client Sample ID: YK-MW-08(11.45-12.2)Date Analyzed: 04/18/12 13:44 Lab File ID: BB001563.D GC Column: ZB-XLB-HT ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Tetrachloro-m-xylene	2.84	Baseline Smoothing	kimurae	04/18/12 14:30

Lab Sample ID: 580-32287-1 Client Sample ID: YK-MW-08(11.45-12.2)Date Analyzed: 04/18/12 13:44 Lab File ID: BB001563.D GC Column: ZB-35-HT ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Tetrachloro-m-xylene	2.88	Baseline Smoothing	kimurae	04/18/12 14:30

Lab Sample ID: 580-32287-2 Client Sample ID: YK-MW-08(4.2-5.0)Date Analyzed: 04/18/12 13:58 Lab File ID: BB001564.D GC Column: ZB-XLB-HT ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Tetrachloro-m-xylene	2.84	Baseline Smoothing	kimurae	04/18/12 14:46

Lab Sample ID: 580-32287-2 Client Sample ID: YK-MW-08(4.2-5.0)Date Analyzed: 04/18/12 13:58 Lab File ID: BB001564.D GC Column: ZB-35-HT ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1260 Peak 2	0.00	Baseline Smoothing	kimurae	04/18/12 14:46
Tetrachloro-m-xylene	2.88	Baseline Smoothing	kimurae	04/18/12 14:46

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Seattle Job No.: 580-32287-1

SDG No.: _____

Instrument ID: TAC045 Analysis Batch Number: 109551Lab Sample ID: 580-32287-3 Client Sample ID: YK-SB-21(4.5-5.0)Date Analyzed: 04/18/12 14:11 Lab File ID: BB001565.D GC Column: ZB-XLB-HT ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1254 Peak 4	0.00	Baseline Smoothing	kimurae	04/18/12 15:30
PCB-1260 Peak 2	0.00	Baseline Smoothing	kimurae	04/18/12 15:30
PCB-1260 Peak 3	0.00	Baseline Smoothing	kimurae	04/18/12 15:30
Tetrachloro-m-xylene	2.84	Baseline Smoothing	kimurae	04/18/12 15:30
PCB-1254 Peak 2	5.12	Baseline Smoothing	kimurae	04/18/12 15:30
PCB-1260 Peak 5	6.45	Incomplete Integration	kimurae	04/18/12 15:30

Lab Sample ID: 580-32287-3 Client Sample ID: YK-SB-21(4.5-5.0)Date Analyzed: 04/18/12 14:11 Lab File ID: BB001565.D GC Column: ZB-35-HT ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Tetrachloro-m-xylene	2.88	Baseline Smoothing	kimurae	04/18/12 15:30
PCB-1254 Peak 1	4.90	Baseline Smoothing	kimurae	04/18/12 15:30
PCB-1254 Peak 2	5.05	Unspecified		

Lab Sample ID: 580-32287-4 Client Sample ID: YK-SB-21(9.8-10.0)Date Analyzed: 04/18/12 14:25 Lab File ID: BB001566.D GC Column: ZB-XLB-HT ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1254 Peak 4	0.00	Baseline Smoothing	kimurae	04/18/12 18:12
PCB-1254 Peak 5	0.00	Baseline Smoothing	kimurae	04/18/12 18:12
PCB-1260 Peak 2	0.00	Baseline Smoothing	kimurae	04/18/12 18:12
PCB-1260 Peak 3	0.00	Baseline Smoothing	kimurae	04/18/12 18:12
Tetrachloro-m-xylene	2.84	Baseline Smoothing	kimurae	04/18/12 18:12
PCB-1254 Peak 1	4.83	Baseline Smoothing	kimurae	04/18/12 18:12
PCB-1254 Peak 2	5.12	Baseline Smoothing	kimurae	04/18/12 18:12
PCB-1260 Peak 1	5.26	Baseline Smoothing	kimurae	04/18/12 18:12

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Seattle Job No.: 580-32287-1

SDG No.: _____

Instrument ID: TAC045 Analysis Batch Number: 109551Lab Sample ID: 580-32287-4 Client Sample ID: YK-SB-21(9.8-10.0)Date Analyzed: 04/18/12 14:25 Lab File ID: BB001566.D GC Column: ZB-35-HT ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Tetrachloro-m-xylene	2.88	Baseline Smoothing	kimurae	04/18/12 18:12
PCB-1254 Peak 1	4.90	Baseline Smoothing	kimurae	04/18/12 18:12
PCB-1254 Peak 2	5.05	Baseline Smoothing	kimurae	04/18/12 18:12
PCB-1254 Peak 3	5.40	Baseline Smoothing	kimurae	04/18/12 18:12

Lab Sample ID: 580-32287-5 Client Sample ID: YK-SB-19(3.3-4.3)Date Analyzed: 04/18/12 14:38 Lab File ID: BB001567.D GC Column: ZB-XLB-HT ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Tetrachloro-m-xylene	2.84	Baseline Smoothing	kimurae	04/18/12 18:16

Lab Sample ID: 580-32287-5 Client Sample ID: YK-SB-19(3.3-4.3)Date Analyzed: 04/18/12 14:38 Lab File ID: BB001567.D GC Column: ZB-35-HT ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Tetrachloro-m-xylene	2.88	Baseline Smoothing	kimurae	04/18/12 18:16
PCB-1260 Peak 3	6.24	Baseline Smoothing	kimurae	04/18/12 18:16
PCB-1260 Peak 5	6.76	Baseline Smoothing	kimurae	04/18/12 18:16

Lab Sample ID: 580-32287-6 Client Sample ID: YK-SB-19(9.0-10.0)Date Analyzed: 04/18/12 14:52 Lab File ID: BB001568.D GC Column: ZB-XLB-HT ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Tetrachloro-m-xylene	2.84	Baseline Smoothing	kimurae	04/18/12 18:17

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Seattle Job No.: 580-32287-1

SDG No.: _____

Instrument ID: TAC045 Analysis Batch Number: 109551Lab Sample ID: 580-32287-6 Client Sample ID: YK-SB-19(9.0-10.0)Date Analyzed: 04/18/12 14:52 Lab File ID: BB001568.D GC Column: ZB-35-HT ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Tetrachloro-m-xylene	2.88	Baseline Smoothing	kimurae	04/18/12 18:17

Lab Sample ID: 580-32287-7 Client Sample ID: YK-SB-20(4.0-4.7)Date Analyzed: 04/18/12 15:06 Lab File ID: BB001569.D GC Column: ZB-XLB-HT ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Tetrachloro-m-xylene	2.84	Baseline Smoothing	kimurae	04/19/12 05:09

Lab Sample ID: 580-32287-7 Client Sample ID: YK-SB-20(4.0-4.7)Date Analyzed: 04/18/12 15:06 Lab File ID: BB001569.D GC Column: ZB-35-HT ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Tetrachloro-m-xylene	2.88	Baseline Smoothing	kimurae	04/19/12 05:09

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Seattle Job No.: 580-32287-1

SDG No.: _____

Instrument ID: TAC045 Analysis Batch Number: 109551Lab Sample ID: CCV 580-109551/16 Client Sample ID: _____Date Analyzed: 04/18/12 15:19 Lab File ID: BB001570.D GC Column: ZB-XLB-HT ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Tetrachloro-m-xylene	2.84	Baseline Smoothing	kimurae	04/18/12 15:31
PCB-1016 Peak 1	3.53	Baseline Smoothing	kimurae	04/18/12 15:31
PCB-1016 Peak 2	3.68	Baseline Smoothing	kimurae	04/18/12 15:31
PCB-1016 Peak 3	3.98	Baseline Smoothing	kimurae	04/18/12 15:31
PCB-1016 Peak 4	4.08	Baseline Smoothing	kimurae	04/18/12 15:31
PCB-1016 Peak 5	4.32	Baseline Smoothing	kimurae	04/18/12 15:31
PCB-1260 Peak 1	5.26	Baseline Smoothing	kimurae	04/18/12 15:31
PCB-1260 Peak 2	5.49	Baseline Smoothing	kimurae	04/18/12 15:31
PCB-1260 Peak 3	5.71	Baseline Smoothing	kimurae	04/18/12 15:31
PCB-1260 Peak 4	6.22	Baseline Smoothing	kimurae	04/18/12 15:31
PCB-1260 Peak 5	6.45	Baseline Smoothing	kimurae	04/18/12 15:31

Lab Sample ID: CCV 580-109551/16 Client Sample ID: _____Date Analyzed: 04/18/12 15:19 Lab File ID: BB001570.D GC Column: ZB-35-HT ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Tetrachloro-m-xylene	2.88	Baseline Smoothing	kimurae	04/18/12 15:31
PCB-1260 Peak 1	5.52	Baseline Smoothing	kimurae	04/18/12 15:31
PCB-1260 Peak 2	5.97	Baseline Smoothing	kimurae	04/18/12 15:31
PCB-1260 Peak 3	6.24	Baseline Smoothing	kimurae	04/18/12 15:31
PCB-1260 Peak 4	6.47	Baseline Smoothing	kimurae	04/18/12 15:31
PCB-1260 Peak 5	6.76	Baseline Smoothing	kimurae	04/18/12 15:31
DCB Decachlorobiphenyl	7.62	Baseline Smoothing	kimurae	04/18/12 15:31

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Seattle Job No.: 580-32287-1

SDG No.: _____

Instrument ID: TAC045 Analysis Batch Number: 109551Lab Sample ID: CCB 580-109551/17 Client Sample ID: _____Date Analyzed: 04/18/12 15:33 Lab File ID: BB001571.D GC Column: ZB-XLB-HT ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Tetrachloro-m-xylene	2.84	Baseline Smoothing	kimurae	04/19/12 05:34

Lab Sample ID: 580-32287-8 Client Sample ID: YK-SB-20 (5.2-6.5)Date Analyzed: 04/18/12 15:47 Lab File ID: BB001572.D GC Column: ZB-XLB-HT ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1260 Peak 2	0.00	Baseline Smoothing	kimurae	04/19/12 05:11
PCB-1260 Peak 3	0.00	Baseline Smoothing	kimurae	04/19/12 05:11
Tetrachloro-m-xylene	2.84	Baseline Smoothing	kimurae	04/19/12 05:11
PCB-1260 Peak 1	5.26	Baseline Smoothing	kimurae	04/19/12 05:11
PCB-1254 Peak 3	5.38	Baseline Smoothing	kimurae	04/19/12 05:11
PCB-1254 Peak 4	5.49	Baseline Smoothing	kimurae	04/19/12 05:11
PCB-1260 Peak 4	6.22	Baseline Smoothing	kimurae	04/19/12 05:11
PCB-1260 Peak 5	6.45	Baseline Smoothing	kimurae	04/19/12 05:11

Lab Sample ID: 580-32287-8 Client Sample ID: YK-SB-20 (5.2-6.5)Date Analyzed: 04/18/12 15:47 Lab File ID: BB001572.D GC Column: ZB-35-HT ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1260 Peak 1	0.00	Baseline Smoothing	kimurae	04/19/12 05:11
PCB-1260 Peak 2	0.00	Baseline Smoothing	kimurae	04/19/12 05:11
Tetrachloro-m-xylene	2.88	Baseline Smoothing	kimurae	04/19/12 05:11
PCB-1260 Peak 3	6.24	Baseline Smoothing	kimurae	04/19/12 05:11
PCB-1260 Peak 4	6.47	Baseline Smoothing	kimurae	04/19/12 05:11
PCB-1260 Peak 5	6.76	Baseline Smoothing	kimurae	04/19/12 05:11

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Seattle Job No.: 580-32287-1

SDG No.: _____

Instrument ID: TAC045 Analysis Batch Number: 109551Lab Sample ID: 580-32287-9 Client Sample ID: YK-SB-20(5.2-6.5)DupDate Analyzed: 04/18/12 16:00 Lab File ID: BB001573.D GC Column: ZB-XLB-HT ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Tetrachloro-m-xylene	2.84	Baseline Smoothing	kimurae	04/19/12 05:28

Lab Sample ID: 580-32287-9 Client Sample ID: YK-SB-20(5.2-6.5)DupDate Analyzed: 04/18/12 16:00 Lab File ID: BB001573.D GC Column: ZB-35-HT ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Tetrachloro-m-xylene	2.88	Baseline Smoothing	kimurae	04/19/12 05:28

Lab Sample ID: 580-32287-10 Client Sample ID: YK-SB-22(6.9-7.1)Date Analyzed: 04/18/12 16:14 Lab File ID: BB001574.D GC Column: ZB-XLB-HT ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Tetrachloro-m-xylene	2.84	Baseline Smoothing	kimurae	04/19/12 05:29
PCB-1260 Peak 1	5.26	Baseline Smoothing	kimurae	04/19/12 05:29
PCB-1260 Peak 2	5.49	Baseline Smoothing	kimurae	04/19/12 05:29
PCB-1260 Peak 3	5.71	Baseline Smoothing	kimurae	04/19/12 05:29
PCB-1260 Peak 4	6.22	Baseline Smoothing	kimurae	04/19/12 05:29
PCB-1260 Peak 5	6.45	Baseline Smoothing	kimurae	04/19/12 05:29

Lab Sample ID: 580-32287-10 Client Sample ID: YK-SB-22(6.9-7.1)Date Analyzed: 04/18/12 16:14 Lab File ID: BB001574.D GC Column: ZB-35-HT ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Tetrachloro-m-xylene	2.88	Baseline Smoothing	kimurae	04/19/12 05:29

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Seattle Job No.: 580-32287-1

SDG No.: _____

Instrument ID: TAC045 Analysis Batch Number: 109551Lab Sample ID: 580-32287-11 Client Sample ID: YK-SB-22(3.0-3.3)Date Analyzed: 04/18/12 16:27 Lab File ID: BB001575.D GC Column: ZB-XLB-HT ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1254 Peak 5	0.00	Baseline Smoothing	kimurae	04/19/12 05:32
PCB-1260 Peak 3	0.00	Baseline Smoothing	kimurae	04/19/12 05:32
Tetrachloro-m-xylene	2.84	Baseline Smoothing	kimurae	04/19/12 05:32
PCB-1260 Peak 1	5.26	Incomplete Integration	kimurae	04/19/12 05:32
PCB-1254 Peak 4	5.49	Baseline Smoothing	kimurae	04/19/12 05:32
PCB-1260 Peak 2	5.49	Baseline Smoothing	kimurae	04/19/12 05:32

Lab Sample ID: 580-32287-11 Client Sample ID: YK-SB-22(3.0-3.3)Date Analyzed: 04/18/12 16:27 Lab File ID: BB001575.D GC Column: ZB-35-HT ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Tetrachloro-m-xylene	2.88	Baseline Smoothing	kimurae	04/19/12 05:32
PCB-1254 Peak 3	5.39	Baseline Smoothing	kimurae	04/19/12 05:32
PCB-1260 Peak 1	5.52	Baseline Smoothing	kimurae	04/19/12 05:32

Lab Sample ID: 580-32287-12 Client Sample ID: YK-SB-23(3.0-3.5)Date Analyzed: 04/18/12 16:41 Lab File ID: BB001576.D GC Column: ZB-XLB-HT ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Tetrachloro-m-xylene	2.84	Baseline Smoothing	kimurae	04/19/12 06:49

Lab Sample ID: 580-32287-12 Client Sample ID: YK-SB-23(3.0-3.5)Date Analyzed: 04/18/12 16:41 Lab File ID: BB001576.D GC Column: ZB-35-HT ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Tetrachloro-m-xylene	2.88	Baseline Smoothing	kimurae	04/19/12 06:49

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Seattle Job No.: 580-32287-1

SDG No.: _____

Instrument ID: TAC045 Analysis Batch Number: 109551Lab Sample ID: 580-32287-13 Client Sample ID: YK-SB-23(6.5-7.0)Date Analyzed: 04/18/12 16:56 Lab File ID: BB001577.D GC Column: ZB-XLB-HT ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1260 Peak 2	0.00	Baseline Smoothing	kimurae	04/19/12 06:50
Tetrachloro-m-xylene	2.84	Baseline Smoothing	kimurae	04/19/12 06:50
PCB-1254 Peak 4	5.49	Baseline Smoothing	kimurae	04/19/12 06:50

Lab Sample ID: 580-32287-13 Client Sample ID: YK-SB-23(6.5-7.0)Date Analyzed: 04/18/12 16:56 Lab File ID: BB001577.D GC Column: ZB-35-HT ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Tetrachloro-m-xylene	2.88	Baseline Smoothing	kimurae	04/19/12 06:50
PCB-1254 Peak 3	5.39	Baseline Smoothing	kimurae	04/19/12 06:50

Lab Sample ID: 580-32287-14 Client Sample ID: YK-SB-24(3.0-3.3)Date Analyzed: 04/18/12 17:10 Lab File ID: BB001578.D GC Column: ZB-XLB-HT ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Tetrachloro-m-xylene	2.84	Baseline Smoothing	kimurae	04/19/12 06:51

Lab Sample ID: 580-32287-14 Client Sample ID: YK-SB-24(3.0-3.3)Date Analyzed: 04/18/12 17:10 Lab File ID: BB001578.D GC Column: ZB-35-HT ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Tetrachloro-m-xylene	2.88	Baseline Smoothing	kimurae	04/19/12 06:51

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Seattle Job No.: 580-32287-1

SDG No.: _____

Instrument ID: TAC045 Analysis Batch Number: 109551Lab Sample ID: 580-32287-15 Client Sample ID: YK-SB-24(6.5-6.8)Date Analyzed: 04/18/12 17:23 Lab File ID: BB001579.D GC Column: ZB-XLB-HT ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Tetrachloro-m-xylene	2.84	Baseline Smoothing	kimurae	04/19/12 06:54

Lab Sample ID: 580-32287-15 Client Sample ID: YK-SB-24(6.5-6.8)Date Analyzed: 04/18/12 17:23 Lab File ID: BB001579.D GC Column: ZB-35-HT ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Tetrachloro-m-xylene	2.88	Baseline Smoothing	kimurae	04/19/12 06:54

Lab Sample ID: 580-32287-16 Client Sample ID: IDW-01-040612Date Analyzed: 04/18/12 17:37 Lab File ID: BB001580.D GC Column: ZB-XLB-HT ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Tetrachloro-m-xylene	2.84	Baseline Smoothing	kimurae	04/19/12 06:56

Lab Sample ID: 580-32287-16 Client Sample ID: IDW-01-040612Date Analyzed: 04/18/12 17:37 Lab File ID: BB001580.D GC Column: ZB-35-HT ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Tetrachloro-m-xylene	2.88	Baseline Smoothing	kimurae	04/19/12 06:56

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Seattle Job No.: 580-32287-1

SDG No.: _____

Instrument ID: TAC045 Analysis Batch Number: 109551Lab Sample ID: CCV 580-109551/28 Client Sample ID: _____Date Analyzed: 04/18/12 18:04 Lab File ID: BB001582.D GC Column: ZB-XLB-HT ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Tetrachloro-m-xylene	2.84	Baseline Smoothing	kimurae	04/18/12 18:18
PCB-1016 Peak 1	3.53	Baseline Smoothing	kimurae	04/18/12 18:18
PCB-1016 Peak 2	3.68	Baseline Smoothing	kimurae	04/18/12 18:18
PCB-1016 Peak 3	3.98	Baseline Smoothing	kimurae	04/18/12 18:18
PCB-1016 Peak 4	4.08	Baseline Smoothing	kimurae	04/18/12 18:18
PCB-1016 Peak 5	4.32	Baseline Smoothing	kimurae	04/18/12 18:18
PCB-1260 Peak 1	5.26	Baseline Smoothing	kimurae	04/18/12 18:18
PCB-1260 Peak 2	5.49	Baseline Smoothing	kimurae	04/18/12 18:18
PCB-1260 Peak 3	5.71	Baseline Smoothing	kimurae	04/18/12 18:18
PCB-1260 Peak 4	6.22	Baseline Smoothing	kimurae	04/18/12 18:18
PCB-1260 Peak 5	6.45	Baseline Smoothing	kimurae	04/18/12 18:18
DCB Decachlorobiphenyl	7.35	Baseline Smoothing	kimurae	04/18/12 18:18

Lab Sample ID: CCV 580-109551/28 Client Sample ID: _____Date Analyzed: 04/18/12 18:04 Lab File ID: BB001582.D GC Column: ZB-35-HT ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Tetrachloro-m-xylene	2.88	Baseline Smoothing	kimurae	04/18/12 18:18

GC SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Seattle Job No.: 580-32287-1

SDG No.: _____

Instrument ID: TAC013 Analysis Batch Number: 103331Lab Sample ID: IC 580-103331/2 Client Sample ID: _____Date Analyzed: 01/10/12 15:29 Lab File ID: TF11812.D GC Column: ZB-1HT ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Tetratriacontane	8.21	Incomplete Integration	kimurae	04/03/12 11:42

Lab Sample ID: IC 580-103331/4 Client Sample ID: _____Date Analyzed: 01/10/12 16:21 Lab File ID: TF11816.D GC Column: ZB-XLB-HT ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Terphenyl-d14	5.90	Incomplete Integration	kimurae	04/03/12 11:43

GC SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Seattle Job No.: 580-32287-1

SDG No.: _____

Instrument ID: TAC013 Analysis Batch Number: 107776Lab Sample ID: IC 580-107776/2 Client Sample ID: _____Date Analyzed: 03/22/12 12:29 Lab File ID: TF12650.D GC Column: ZB-XLB-HT ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
C21-C34 Aromatics	7.34	Column bleed	wootenk	04/02/12 13:41

GC SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Seattle Job No.: 580-32287-1

SDG No.: _____

Instrument ID: TAC013 Analysis Batch Number: 109715Lab Sample ID: 580-32287-1 MS Client Sample ID: YK-MW-08(11.45-12.2) MSDate Analyzed: 04/20/12 11:54 Lab File ID: TF13148.D GC Column: ZB-1HT ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1-Chlorooctadecane	5.17	Sample matrix interference	kimurae	04/27/12 07:48

GC SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Seattle Job No.: 580-32287-1

SDG No.: _____

Instrument ID: TAC017 Analysis Batch Number: 108277Lab Sample ID: IC 580-108277/7 Client Sample ID: _____Date Analyzed: 03/30/12 16:12 Lab File ID: ZZ16935.D GC Column: ZB-1HT ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
n-Triacontane-d62	7.52	Baseline Smoothing	kimurae	04/23/12 09:08

Lab Sample ID: IC 580-108277/8 Client Sample ID: _____Date Analyzed: 03/30/12 16:34 Lab File ID: ZZ16937.D GC Column: ZB-1HT ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
n-Triacontane-d62	7.55	Baseline Smoothing	kimurae	04/23/12 09:15

SAMPLE SUMMARY

Client: MWH Americas Inc

Job Number: 580-32287-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
580-32287-1	YK-MW-08(11.45-12.2)	Solid	04/04/2012 1511	04/10/2012 1525
580-32287-2	YK-MW-08(4.2-5.0)	Solid	04/04/2012 1437	04/10/2012 1525
580-32287-3	YK-SB-21(4.5-5.0)	Solid	04/04/2012 1617	04/10/2012 1525
580-32287-4	YK-SB-21(9.8-10.0)	Solid	04/04/2012 1639	04/10/2012 1525
580-32287-5	YK-SB-19(3.3-4.3)	Solid	04/05/2012 0913	04/10/2012 1525
580-32287-6	YK-SB-19(9.0-10.0)	Solid	04/05/2012 0929	04/10/2012 1525
580-32287-7	YK-SB-20(4.0-4.7)	Solid	04/05/2012 1037	04/10/2012 1525
580-32287-8	YK-SB-20(5.2-6.5)	Solid	04/05/2012 1059	04/10/2012 1525
580-32287-9	YK-SB-20(5.2-6.5)Dup	Solid	04/05/2012 1059	04/10/2012 1525
580-32287-10	YK-SB-22(6.9-7.1)	Solid	04/05/2012 1347	04/10/2012 1525
580-32287-11	YK-SB-22(3.0-3.3)	Solid	04/05/2012 1343	04/10/2012 1525
580-32287-12	YK-SB-23(3.0-3.5)	Solid	04/05/2012 1329	04/10/2012 1525
580-32287-13	YK-SB-23(6.5-7.0)	Solid	04/05/2012 1335	04/10/2012 1525
580-32287-14	YK-SB-24(3.0-3.3)	Solid	04/05/2012 1407	04/10/2012 1525
580-32287-15	YK-SB-24(6.5-6.8)	Solid	04/05/2012 1411	04/10/2012 1525
580-32287-16	IDW-01-040612	Solid	04/06/2012 1713	04/10/2012 1525
580-32287-17	MW-08-040612	Water	04/06/2012 1615	04/10/2012 1525
580-32287-18	IDW-02-040612	Water	04/06/2012 1717	04/10/2012 1525

EXECUTIVE SUMMARY - Detections

Client: MWH Americas Inc

Job Number: 580-32287-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
580-32287-1	YK-MW-08(11.45-12.2)					
C8-C10 Aliphatics		0.38	J	6.5	mg/Kg	NWTPH/EPH
C10-C12 Aliphatics		48		6.5	mg/Kg	NWTPH/EPH
C12-C16 Aliphatics		41		6.5	mg/Kg	NWTPH/EPH
C16-C21 Aliphatics		280		6.5	mg/Kg	NWTPH/EPH
C21-C34 Aliphatics		950		6.5	mg/Kg	NWTPH/EPH
C8-C10 Aromatics		1.4	J	6.5	mg/Kg	NWTPH/EPH
C10-C12 Aromatics		0.85	J	6.5	mg/Kg	NWTPH/EPH
C12-C16 Aromatics		9.7		6.5	mg/Kg	NWTPH/EPH
C16-C21 Aromatics		83		6.5	mg/Kg	NWTPH/EPH
C21-C34 Aromatics		160		6.5	mg/Kg	NWTPH/EPH
#2 Diesel (C10-C24)		210	Y	31	mg/Kg	NWTPH-Dx
Motor Oil (>C24-C36)		510	B Y	62	mg/Kg	NWTPH-Dx
Percent Solids		77		0.10	%	D 2216
Percent Moisture		23		0.10	%	D 2216
580-32287-2	YK-MW-08(4.2-5.0)					
PCB-1254		0.0030	J	0.011	mg/Kg	8082
PCB-1260		0.0089	J	0.011	mg/Kg	8082
C16-C21 Aliphatics		2.8	J	12	mg/Kg	NWTPH/EPH
C21-C34 Aliphatics		54		12	mg/Kg	NWTPH/EPH
C16-C21 Aromatics		7.9	J	12	mg/Kg	NWTPH/EPH
C21-C34 Aromatics		50		12	mg/Kg	NWTPH/EPH
#2 Diesel (C10-C24)		8.3	J	28	mg/Kg	NWTPH-Dx
Motor Oil (>C24-C36)		130	B	56	mg/Kg	NWTPH-Dx
Percent Solids		85		0.10	%	D 2216
Percent Moisture		15		0.10	%	D 2216
580-32287-3	YK-SB-21(4.5-5.0)					
PCB-1254		0.015		0.010	mg/Kg	8082
PCB-1260		0.015		0.010	mg/Kg	8082
C21-C34 Aliphatics		38		10	mg/Kg	NWTPH/EPH
C16-C21 Aromatics		2.6	J	10	mg/Kg	NWTPH/EPH
C21-C34 Aromatics		41		10	mg/Kg	NWTPH/EPH
#2 Diesel (C10-C24)		11	J	26	mg/Kg	NWTPH-Dx
Motor Oil (>C24-C36)		170	B	53	mg/Kg	NWTPH-Dx
Percent Solids		95		0.10	%	D 2216
Percent Moisture		5.5		0.10	%	D 2216

EXECUTIVE SUMMARY - Detections

Client: MWH Americas Inc

Job Number: 580-32287-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
580-32287-4	YK-SB-21(9.8-10.0)					
PCB-1254		0.023		0.011	mg/Kg	8082
PCB-1260		0.016		0.011	mg/Kg	8082
C16-C21 Aliphatics		2.8	J	11	mg/Kg	NWTPH/EPH
C21-C34 Aliphatics		28		11	mg/Kg	NWTPH/EPH
C21-C34 Aromatics		19		11	mg/Kg	NWTPH/EPH
#2 Diesel (C10-C24)		9.0	J	28	mg/Kg	NWTPH-Dx
Motor Oil (>C24-C36)		110	B	55	mg/Kg	NWTPH-Dx
Percent Solids		89		0.10	%	D 2216
Percent Moisture		11		0.10	%	D 2216
580-32287-5	YK-SB-19(3.3-4.3)					
C16-C21 Aliphatics		4.5	J	5.3	mg/Kg	NWTPH/EPH
C21-C34 Aliphatics		12		5.3	mg/Kg	NWTPH/EPH
C16-C21 Aromatics		2.6	J	5.3	mg/Kg	NWTPH/EPH
C21-C34 Aromatics		8.3		5.3	mg/Kg	NWTPH/EPH
#2 Diesel (C10-C24)		5.9	J	25	mg/Kg	NWTPH-Dx
Motor Oil (>C24-C36)		46	J B	50	mg/Kg	NWTPH-Dx
Percent Solids		93		0.10	%	D 2216
Percent Moisture		7.4		0.10	%	D 2216
580-32287-6	YK-SB-19(9.0-10.0)					
C16-C21 Aliphatics		6.0		5.3	mg/Kg	NWTPH/EPH
C21-C34 Aliphatics		15		5.3	mg/Kg	NWTPH/EPH
C10-C12 Aromatics		0.082	J	5.3	mg/Kg	NWTPH/EPH
C16-C21 Aromatics		2.3	J	5.3	mg/Kg	NWTPH/EPH
C21-C34 Aromatics		6.2		5.3	mg/Kg	NWTPH/EPH
#2 Diesel (C10-C24)		13	J	26	mg/Kg	NWTPH-Dx
Motor Oil (>C24-C36)		65	B	53	mg/Kg	NWTPH-Dx
Percent Solids		93		0.10	%	D 2216
Percent Moisture		7.3		0.10	%	D 2216
580-32287-7	YK-SB-20(4.0-4.7)					
Motor Oil (>C24-C36)		43	J B	66	mg/Kg	NWTPH-Dx
Percent Solids		73		0.10	%	D 2216
Percent Moisture		27		0.10	%	D 2216

EXECUTIVE SUMMARY - Detections

Client: MWH Americas Inc

Job Number: 580-32287-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
580-32287-8	YK-SB-20(5.2-6.5)					
PCB-1254		0.0044	J	0.013	mg/Kg	8082
C8-C10 Aliphatics		0.11	J	13	mg/Kg	NWTPH/EPH
C21-C34 Aliphatics		19		13	mg/Kg	NWTPH/EPH
C16-C21 Aromatics		4.6	J	13	mg/Kg	NWTPH/EPH
C21-C34 Aromatics		27		13	mg/Kg	NWTPH/EPH
#2 Diesel (C10-C24)		8.8	J	33	mg/Kg	NWTPH-Dx
Motor Oil (>C24-C36)		130	B	66	mg/Kg	NWTPH-Dx
Percent Solids		74		0.10	%	D 2216
Percent Moisture		26		0.10	%	D 2216
580-32287-9	YK-SB-20(5.2-6.5)DUP					
PCB-1254		0.0043	J	0.013	mg/Kg	8082
C8-C10 Aliphatics		0.17	J	13	mg/Kg	NWTPH/EPH
C21-C34 Aliphatics		32		13	mg/Kg	NWTPH/EPH
C16-C21 Aromatics		2.9	J	13	mg/Kg	NWTPH/EPH
C21-C34 Aromatics		36		13	mg/Kg	NWTPH/EPH
#2 Diesel (C10-C24)		12	J	31	mg/Kg	NWTPH-Dx
Motor Oil (>C24-C36)		160	B	62	mg/Kg	NWTPH-Dx
Percent Solids		75		0.10	%	D 2216
Percent Moisture		25		0.10	%	D 2216
580-32287-10	YK-SB-22(6.9-7.1)					
C8-C10 Aliphatics		0.073	J	6.5	mg/Kg	NWTPH/EPH
C21-C34 Aliphatics		2.4	J	6.5	mg/Kg	NWTPH/EPH
C16-C21 Aromatics		1.8	J	6.5	mg/Kg	NWTPH/EPH
C21-C34 Aromatics		2.5	J	6.5	mg/Kg	NWTPH/EPH
Motor Oil (>C24-C36)		40	J B	61	mg/Kg	NWTPH-Dx
Percent Solids		76		0.10	%	D 2216
Percent Moisture		24		0.10	%	D 2216
580-32287-11	YK-SB-22(3.0-3.3)					
PCB-1260		0.0049	J	0.014	mg/Kg	8082
C21-C34 Aliphatics		28		14	mg/Kg	NWTPH/EPH
C16-C21 Aromatics		6.4	J	7.0	mg/Kg	NWTPH/EPH
C21-C34 Aromatics		30		7.0	mg/Kg	NWTPH/EPH
#2 Diesel (C10-C24)		13	J	33	mg/Kg	NWTPH-Dx
Motor Oil (>C24-C36)		200	B	66	mg/Kg	NWTPH-Dx
Percent Solids		71		0.10	%	D 2216
Percent Moisture		29		0.10	%	D 2216

EXECUTIVE SUMMARY - Detections

Client: MWH Americas Inc

Job Number: 580-32287-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
580-32287-12	YK-SB-23(3.0-3.5)					
C16-C21 Aromatics		6.4	J	7.1	mg/Kg	NWTPH/EPH
Motor Oil (>C24-C36)		44	J B	70	mg/Kg	NWTPH-Dx
Percent Solids		69		0.10	%	D 2216
Percent Moisture		31		0.10	%	D 2216
580-32287-13	YK-SB-23(6.5-7.0)					
PCB-1260		0.0039	J	0.012	mg/Kg	8082
C8-C10 Aliphatics		0.066	J	6.6	mg/Kg	NWTPH/EPH
C16-C21 Aromatics		4.1	J	6.6	mg/Kg	NWTPH/EPH
Motor Oil (>C24-C36)		42	J B	66	mg/Kg	NWTPH-Dx
Percent Solids		74		0.10	%	D 2216
Percent Moisture		26		0.10	%	D 2216
580-32287-14	YK-SB-24(3.0-3.3)					
C21-C34 Aliphatics		3.3	J	6.8	mg/Kg	NWTPH/EPH
C16-C21 Aromatics		7.6		6.8	mg/Kg	NWTPH/EPH
C21-C34 Aromatics		1.7	J	6.8	mg/Kg	NWTPH/EPH
Motor Oil (>C24-C36)		47	J B	69	mg/Kg	NWTPH-Dx
Percent Solids		72		0.10	%	D 2216
Percent Moisture		28		0.10	%	D 2216
580-32287-15	YK-SB-24(6.5-6.8)					
Motor Oil (>C24-C36)		39	J B	65	mg/Kg	NWTPH-Dx
Percent Solids		74		0.10	%	D 2216
Percent Moisture		26		0.10	%	D 2216
580-32287-16	IDW-01-040612					
PCB-1260		0.0050	J	0.013	mg/Kg	8082
C16-C21 Aliphatics		1.6	J	6.6	mg/Kg	NWTPH/EPH
C21-C34 Aliphatics		24		6.6	mg/Kg	NWTPH/EPH
C10-C12 Aromatics		0.14	J	6.6	mg/Kg	NWTPH/EPH
C16-C21 Aromatics		2.0	J	6.6	mg/Kg	NWTPH/EPH
C21-C34 Aromatics		26		6.6	mg/Kg	NWTPH/EPH
#2 Diesel (C10-C24)		9.3	J	31	mg/Kg	NWTPH-Dx
Motor Oil (>C24-C36)		140	B	61	mg/Kg	NWTPH-Dx
Percent Solids		75		0.10	%	D 2216
Percent Moisture		25		0.10	%	D 2216

EXECUTIVE SUMMARY - Detections

Client: MWH Americas Inc

Job Number: 580-32287-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
580-32287-17	MW-08-040612					
C12-C16 Aliphatics		1.6	J B	48	ug/L	NWTPH/EPH
C16-C21 Aliphatics		22	J B	48	ug/L	NWTPH/EPH
C21-C34 Aliphatics		46	J	48	ug/L	NWTPH/EPH
C12-C16 Aromatics		5.6	J B	48	ug/L	NWTPH/EPH
C16-C21 Aromatics		38	J B	48	ug/L	NWTPH/EPH
C21-C34 Aromatics		25	J B	48	ug/L	NWTPH/EPH
#2 Diesel (C10-C24)		0.34	Y	0.12	mg/L	NWTPH-Dx
Motor Oil (>C24-C36)		0.39	Y	0.24	mg/L	NWTPH-Dx
580-32287-18	IDW-02-040612					
C10-C12 Aliphatics		35	J	48	ug/L	NWTPH/EPH
C12-C16 Aliphatics		50	B	48	ug/L	NWTPH/EPH
C16-C21 Aliphatics		380	B	48	ug/L	NWTPH/EPH
C21-C34 Aliphatics		1500		48	ug/L	NWTPH/EPH
C12-C16 Aromatics		12	J B	48	ug/L	NWTPH/EPH
C16-C21 Aromatics		240	B	48	ug/L	NWTPH/EPH
C21-C34 Aromatics		210	B	48	ug/L	NWTPH/EPH
#2 Diesel (C10-C24)		1.6	Y	0.12	mg/L	NWTPH-Dx
Motor Oil (>C24-C36)		2.8	Y	0.24	mg/L	NWTPH-Dx

METHOD SUMMARY

Client: MWH Americas Inc

Job Number: 580-32287-1

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
Polychlorinated Biphenyls (PCBs) by Gas Chromatography	TAL SEA	SW846 8082	
Ultrasonic Extraction	TAL SEA		SW846 3550B
Northwest - Extractable Petroleum Hydrocarbons (GC)	TAL SEA	NWTPH NWTPH/EPH	
Ultrasonic Extraction	TAL SEA		SW846 3550B
EPH Fractionation	TAL SEA		EPH Frac
Northwest - Semi-Volatile Petroleum Products (GC)	TAL SEA	NWTPH NWTPH-Dx	
Ultrasonic Extraction	TAL SEA		SW846 3550B
Percent Moisture	TAL SEA	ASTM D 2216	
Matrix: Water			
Polychlorinated Biphenyls (PCBs) by Gas Chromatography	TAL SEA	SW846 8082	
Liquid-Liquid Extraction (Separatory Funnel)	TAL SEA		SW846 3510C
Northwest - Extractable Petroleum Hydrocarbons (GC)	TAL SEA	NWTPH NWTPH/EPH	
Liquid-Liquid Extraction (Continuous)	TAL SEA		SW846 3520C
EPH Fractionation	TAL SEA		EPH Frac
Northwest - Semi-Volatile Petroleum Products (GC)	TAL SEA	NWTPH NWTPH-Dx	
Liquid-Liquid Extraction (Continuous)	TAL SEA		SW846 3520C

Lab References:

TAL SEA = TestAmerica Seattle

Method 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.

METHOD / ANALYST SUMMARY

Client: MWH Americas Inc

Job Number: 580-32287-1

Method	Analyst	Analyst ID
SW846 8082	Kimura, Evan	EK
NWTPH NWTPH/EPH	Kimura, Evan	EK
NWTPH NWTPH/EPH	Wooten, Kara K	KKW
NWTPH NWTPH-Dx	Wooten, Kara K	KKW
ASTM D 2216	Stearns, Ryan	RS

Analytical Data

Client: MWH Americas Inc

Job Number: 580-32287-1

Client Sample ID: YK-MW-08(11.45-12.2)

Lab Sample ID: 580-32287-1

Date Sampled: 04/04/2012 1511

Client Matrix: Solid

% Moisture: 23.4

Date Received: 04/10/2012 1525

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	580-109551	Instrument ID:	TAC045
Prep Method:	3550B	Prep Batch:	580-109461	Initial Weight/Volume:	10.5641 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	04/18/2012 1344			Injection Volume:	1 uL
Prep Date:	04/17/2012 1227			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.0040	0.012
PCB-1221		ND		0.0099	0.014
PCB-1232		ND		0.0087	0.014
PCB-1242		ND		0.0026	0.012
PCB-1248		ND		0.0037	0.012
PCB-1254		ND		0.0026	0.012
PCB-1260		ND		0.0037	0.012

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	75		45 - 135
DCB Decachlorobiphenyl	51		50 - 140

Analytical Data

Client: MWH Americas Inc

Job Number: 580-32287-1

Client Sample ID: YK-MW-08(4.2-5.0)

Lab Sample ID: 580-32287-2

Date Sampled: 04/04/2012 1437

Client Matrix: Solid

% Moisture: 14.6

Date Received: 04/10/2012 1525

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	580-109551	Instrument ID:	TAC045
Prep Method:	3550B	Prep Batch:	580-109461	Initial Weight/Volume:	10.2283 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	04/18/2012 1358			Injection Volume:	1 uL
Prep Date:	04/17/2012 1227			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.0037	0.011
PCB-1221		ND		0.0092	0.013
PCB-1232		ND		0.0080	0.013
PCB-1242		ND		0.0024	0.011
PCB-1248		ND		0.0034	0.011
PCB-1254		0.0030	J	0.0024	0.011
PCB-1260		0.0089	J	0.0034	0.011

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	78		45 - 135
DCB Decachlorobiphenyl	44	X	50 - 140

Analytical Data

Client: MWH Americas Inc

Job Number: 580-32287-1

Client Sample ID: YK-SB-21(4.5-5.0)

Lab Sample ID: 580-32287-3

Date Sampled: 04/04/2012 1617

Client Matrix: Solid

% Moisture: 5.5

Date Received: 04/10/2012 1525

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	580-109551	Instrument ID:	TAC045
Prep Method:	3550B	Prep Batch:	580-109461	Initial Weight/Volume:	10.3311 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	04/18/2012 1411			Injection Volume:	1 uL
Prep Date:	04/17/2012 1227			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.0033	0.010
PCB-1221		ND		0.0082	0.011
PCB-1232		ND		0.0072	0.011
PCB-1242		ND		0.0022	0.010
PCB-1248		ND		0.0031	0.010
PCB-1254		0.015		0.0022	0.010
PCB-1260		0.015		0.0031	0.010

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	72		45 - 135
DCB Decachlorobiphenyl	47	X	50 - 140

Analytical Data

Client: MWH Americas Inc

Job Number: 580-32287-1

Client Sample ID: YK-SB-21(9.8-10.0)

Lab Sample ID: 580-32287-4

Date Sampled: 04/04/2012 1639

Client Matrix: Solid

% Moisture: 11.3

Date Received: 04/10/2012 1525

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	580-109551	Instrument ID:	TAC045
Prep Method:	3550B	Prep Batch:	580-109461	Initial Weight/Volume:	10.6846 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	04/18/2012 1425			Injection Volume:	1 uL
Prep Date:	04/17/2012 1227			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.0034	0.011
PCB-1221		ND		0.0084	0.012
PCB-1232		ND		0.0074	0.012
PCB-1242		ND		0.0022	0.011
PCB-1248		ND		0.0032	0.011
PCB-1254		0.023		0.0022	0.011
PCB-1260		0.016		0.0032	0.011

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	88		45 - 135
DCB Decachlorobiphenyl	60		50 - 140

Analytical Data

Client: MWH Americas Inc

Job Number: 580-32287-1

Client Sample ID: YK-SB-19(3.3-4.3)

Lab Sample ID: 580-32287-5

Date Sampled: 04/05/2012 0913

Client Matrix: Solid

% Moisture: 7.4

Date Received: 04/10/2012 1525

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	580-109551	Instrument ID:	TAC045
Prep Method:	3550B	Prep Batch:	580-109461	Initial Weight/Volume:	10.4719 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	04/18/2012 1438			Injection Volume:	1 uL
Prep Date:	04/17/2012 1227			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.0033	0.010
PCB-1221		ND		0.0082	0.011
PCB-1232		ND		0.0072	0.011
PCB-1242		ND		0.0022	0.010
PCB-1248		ND		0.0031	0.010
PCB-1254		ND		0.0022	0.010
PCB-1260		ND		0.0031	0.010

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	81		45 - 135
DCB Decachlorobiphenyl	60		50 - 140

Analytical Data

Client: MWH Americas Inc

Job Number: 580-32287-1

Client Sample ID: YK-SB-19(9.0-10.0)

Lab Sample ID: 580-32287-6

Date Sampled: 04/05/2012 0929

Client Matrix: Solid

% Moisture: 7.3

Date Received: 04/10/2012 1525

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	580-109551	Instrument ID:	TAC045
Prep Method:	3550B	Prep Batch:	580-109461	Initial Weight/Volume:	10.1052 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	04/18/2012 1452			Injection Volume:	1 uL
Prep Date:	04/17/2012 1227			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.0034	0.011
PCB-1221		ND		0.0085	0.012
PCB-1232		ND		0.0075	0.012
PCB-1242		ND		0.0022	0.011
PCB-1248		ND		0.0032	0.011
PCB-1254		ND		0.0022	0.011
PCB-1260		ND		0.0032	0.011

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	76		45 - 135
DCB Decachlorobiphenyl	47	X	50 - 140

Analytical Data

Client: MWH Americas Inc

Job Number: 580-32287-1

Client Sample ID: YK-SB-20(4.0-4.7)

Lab Sample ID: 580-32287-7

Date Sampled: 04/05/2012 1037

Client Matrix: Solid

% Moisture: 27.2

Date Received: 04/10/2012 1525

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	580-109551	Instrument ID:	TAC045
Prep Method:	3550B	Prep Batch:	580-109461	Initial Weight/Volume:	10.8522 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	04/18/2012 1506			Injection Volume:	1 uL
Prep Date:	04/17/2012 1227			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.0040	0.013
PCB-1221		ND		0.010	0.014
PCB-1232		ND		0.0089	0.014
PCB-1242		ND		0.0027	0.013
PCB-1248		ND		0.0038	0.013
PCB-1254		ND		0.0027	0.013
PCB-1260		ND		0.0038	0.013

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	49		45 - 135
DCB Decachlorobiphenyl	34	X	50 - 140

Analytical Data

Client: MWH Americas Inc

Job Number: 580-32287-1

Client Sample ID: YK-SB-20(5.2-6.5)

Lab Sample ID: 580-32287-8

Date Sampled: 04/05/2012 1059

Client Matrix: Solid

% Moisture: 25.8

Date Received: 04/10/2012 1525

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	580-109551	Instrument ID:	TAC045
Prep Method:	3550B	Prep Batch:	580-109461	Initial Weight/Volume:	10.3871 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	04/18/2012 1547			Injection Volume:	1 uL
Prep Date:	04/17/2012 1227			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.0042	0.013
PCB-1221		ND		0.010	0.014
PCB-1232		ND		0.0091	0.014
PCB-1242		ND		0.0027	0.013
PCB-1248		ND		0.0039	0.013
PCB-1254		0.0044	J	0.0027	0.013
PCB-1260		ND		0.0039	0.013

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	45		45 - 135
DCB Decachlorobiphenyl	27	X	50 - 140

Analytical Data

Client: MWH Americas Inc

Job Number: 580-32287-1

Client Sample ID: YK-SB-20(5.2-6.5)Dup

Lab Sample ID: 580-32287-9

Date Sampled: 04/05/2012 1059

Client Matrix: Solid

% Moisture: 24.9

Date Received: 04/10/2012 1525

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	580-109551	Instrument ID:	TAC045
Prep Method:	3550B	Prep Batch:	580-109461	Initial Weight/Volume:	10.0400 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	04/18/2012 1600			Injection Volume:	1 uL
Prep Date:	04/17/2012 1227			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.0042	0.013
PCB-1221		ND		0.011	0.015
PCB-1232		ND		0.0093	0.015
PCB-1242		ND		0.0028	0.013
PCB-1248		ND		0.0040	0.013
PCB-1254		0.0043	J	0.0028	0.013
PCB-1260		ND		0.0040	0.013

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	53		45 - 135
DCB Decachlorobiphenyl	34	X	50 - 140

Analytical Data

Client: MWH Americas Inc

Job Number: 580-32287-1

Client Sample ID: YK-SB-22(6.9-7.1)

Lab Sample ID: 580-32287-10

Date Sampled: 04/05/2012 1347

Client Matrix: Solid

% Moisture: 23.8

Date Received: 04/10/2012 1525

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	580-109551	Instrument ID:	TAC045
Prep Method:	3550B	Prep Batch:	580-109461	Initial Weight/Volume:	10.6241 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	04/18/2012 1614			Injection Volume:	1 uL
Prep Date:	04/17/2012 1227			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.0040	0.012
PCB-1221		ND		0.0099	0.014
PCB-1232		ND		0.0086	0.014
PCB-1242		ND		0.0026	0.012
PCB-1248		ND		0.0037	0.012
PCB-1254		ND		0.0026	0.012
PCB-1260		ND		0.0037	0.012

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	77		45 - 135
DCB Decachlorobiphenyl	54		50 - 140

Analytical Data

Client: MWH Americas Inc

Job Number: 580-32287-1

Client Sample ID: YK-SB-22(3.0-3.3)

Lab Sample ID: 580-32287-11

Date Sampled: 04/05/2012 1343

Client Matrix: Solid

% Moisture: 28.9

Date Received: 04/10/2012 1525

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	580-109551	Instrument ID:	TAC045
Prep Method:	3550B	Prep Batch:	580-109461	Initial Weight/Volume:	10.3529 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	04/18/2012 1627			Injection Volume:	1 uL
Prep Date:	04/17/2012 1227			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.0044	0.014
PCB-1221		ND		0.011	0.015
PCB-1232		ND		0.0095	0.015
PCB-1242		ND		0.0029	0.014
PCB-1248		ND		0.0041	0.014
PCB-1254		ND		0.0029	0.014
PCB-1260		0.0049	J	0.0041	0.014

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	54		45 - 135
DCB Decachlorobiphenyl	36	X	50 - 140

Analytical Data

Client: MWH Americas Inc

Job Number: 580-32287-1

Client Sample ID: YK-SB-23(3.0-3.5)

Lab Sample ID: 580-32287-12

Date Sampled: 04/05/2012 1329

Client Matrix: Solid

% Moisture: 31.0

Date Received: 04/10/2012 1525

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	580-109551	Instrument ID:	TAC045
Prep Method:	3550B	Prep Batch:	580-109461	Initial Weight/Volume:	10.6150 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	04/18/2012 1641			Injection Volume:	1 uL
Prep Date:	04/17/2012 1227			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.0044	0.014
PCB-1221		ND		0.011	0.015
PCB-1232		ND		0.0096	0.015
PCB-1242		ND		0.0029	0.014
PCB-1248		ND		0.0041	0.014
PCB-1254		ND		0.0029	0.014
PCB-1260		ND		0.0041	0.014

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	23	X	45 - 135
DCB Decachlorobiphenyl	16	X	50 - 140

Analytical Data

Client: MWH Americas Inc

Job Number: 580-32287-1

Client Sample ID: YK-SB-23(6.5-7.0)

Lab Sample ID: 580-32287-13

Date Sampled: 04/05/2012 1335

Client Matrix: Solid

% Moisture: 26.0

Date Received: 04/10/2012 1525

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	580-109551	Instrument ID:	TAC045
Prep Method:	3550B	Prep Batch:	580-109461	Initial Weight/Volume:	10.8986 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	04/18/2012 1656			Injection Volume:	1 uL
Prep Date:	04/17/2012 1227			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.0040	0.012
PCB-1221		ND		0.0099	0.014
PCB-1232		ND		0.0087	0.014
PCB-1242		ND		0.0026	0.012
PCB-1248		ND		0.0037	0.012
PCB-1254		ND		0.0026	0.012
PCB-1260		0.0039	J	0.0037	0.012

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	75		45 - 135
DCB Decachlorobiphenyl	49	X	50 - 140

Analytical Data

Client: MWH Americas Inc

Job Number: 580-32287-1

Client Sample ID: YK-SB-24(3.0-3.3)

Lab Sample ID: 580-32287-14

Date Sampled: 04/05/2012 1407

Client Matrix: Solid

% Moisture: 27.9

Date Received: 04/10/2012 1525

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	580-109551	Instrument ID:	TAC045
Prep Method:	3550B	Prep Batch:	580-109461	Initial Weight/Volume:	10.4533 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	04/18/2012 1710			Injection Volume:	1 uL
Prep Date:	04/17/2012 1227			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.0042	0.013
PCB-1221		ND		0.011	0.015
PCB-1232		ND		0.0093	0.015
PCB-1242		ND		0.0028	0.013
PCB-1248		ND		0.0040	0.013
PCB-1254		ND		0.0028	0.013
PCB-1260		ND		0.0040	0.013

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	29	X	45 - 135
DCB Decachlorobiphenyl	22	X	50 - 140

Analytical Data

Client: MWH Americas Inc

Job Number: 580-32287-1

Client Sample ID: YK-SB-24(6.5-6.8)

Lab Sample ID: 580-32287-15

Date Sampled: 04/05/2012 1411

Client Matrix: Solid

% Moisture: 26.1

Date Received: 04/10/2012 1525

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	580-109551	Instrument ID:	TAC045
Prep Method:	3550B	Prep Batch:	580-109461	Initial Weight/Volume:	10.6632 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	04/18/2012 1723			Injection Volume:	1 uL
Prep Date:	04/17/2012 1227			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.0041	0.013
PCB-1221		ND		0.010	0.014
PCB-1232		ND		0.0089	0.014
PCB-1242		ND		0.0027	0.013
PCB-1248		ND		0.0038	0.013
PCB-1254		ND		0.0027	0.013
PCB-1260		ND		0.0038	0.013

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	68		45 - 135
DCB Decachlorobiphenyl	43	X	50 - 140

Analytical Data

Client: MWH Americas Inc

Job Number: 580-32287-1

Client Sample ID: IDW-01-040612

Lab Sample ID: 580-32287-16

Date Sampled: 04/06/2012 1713

Client Matrix: Solid

% Moisture: 25.4

Date Received: 04/10/2012 1525

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	580-109551	Instrument ID:	TAC045
Prep Method:	3550B	Prep Batch:	580-109461	Initial Weight/Volume:	10.1900 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	04/18/2012 1737			Injection Volume:	1 uL
Prep Date:	04/17/2012 1227			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.0042	0.013
PCB-1221		ND		0.011	0.014
PCB-1232		ND		0.0092	0.014
PCB-1242		ND		0.0028	0.013
PCB-1248		ND		0.0039	0.013
PCB-1254		ND		0.0028	0.013
PCB-1260		0.0050	J	0.0039	0.013

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	65		45 - 135
DCB Decachlorobiphenyl	43	X	50 - 140

Analytical Data

Client: MWH Americas Inc

Job Number: 580-32287-1

Client Sample ID: MW-08-040612

Lab Sample ID: 580-32287-17

Date Sampled: 04/06/2012 1615

Client Matrix: Water

Date Received: 04/10/2012 1525

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	580-109208	Instrument ID:	TAC045
Prep Method:	3510C	Prep Batch:	580-109093	Initial Weight/Volume:	1060 mL
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	04/13/2012 1032			Injection Volume:	1 uL
Prep Date:	04/12/2012 1037			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
PCB-1016	ND	*	0.042	0.47
PCB-1221	ND		0.058	0.47
PCB-1232	ND		0.039	0.47
PCB-1242	ND		0.039	0.47
PCB-1248	ND		0.067	0.47
PCB-1254	ND		0.042	0.47
PCB-1260	ND	*	0.037	0.47

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	69		60 - 150
DCB Decachlorobiphenyl	69		40 - 135

Analytical Data

Client: MWH Americas Inc

Job Number: 580-32287-1

Client Sample ID: IDW-02-040612

Lab Sample ID: 580-32287-18

Date Sampled: 04/06/2012 1717

Client Matrix: Water

Date Received: 04/10/2012 1525

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	580-109208	Instrument ID:	TAC045
Prep Method:	3510C	Prep Batch:	580-109093	Initial Weight/Volume:	1060 mL
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	04/13/2012 1045			Injection Volume:	1 uL
Prep Date:	04/12/2012 1037			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
PCB-1016	ND	*	0.042	0.47
PCB-1221	ND		0.058	0.47
PCB-1232	ND		0.039	0.47
PCB-1242	ND		0.039	0.47
PCB-1248	ND		0.067	0.47
PCB-1254	ND		0.042	0.47
PCB-1260	ND	*	0.037	0.47

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	68		60 - 150
DCB Decachlorobiphenyl	47		40 - 135

Analytical Data

Client: MWH Americas Inc

Job Number: 580-32287-1

Client Sample ID: YK-MW-08(11.45-12.2)

Lab Sample ID: 580-32287-1

Date Sampled: 04/04/2012 1511

Client Matrix: Solid

% Moisture: 23.4

Date Received: 04/10/2012 1525

NWTPH/EPH Northwest - Extractable Petroleum Hydrocarbons (GC)

Analysis Method:	NWTPH/EPH	Analysis Batch:	580-109715	Instrument ID:	TAC013
Prep Method:	3550B	Prep Batch:	580-109384	Initial Weight/Volume:	30.0268 g
Dilution:	1.0			Final Weight/Volume:	2 mL
Analysis Date:	04/20/2012 1126			Injection Volume:	1 uL
Prep Date:	04/16/2012 1312			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
C8-C10 Aliphatics		0.38	J	0.035	6.5
C10-C12 Aliphatics		48		0.12	6.5
C12-C16 Aliphatics		41		1.3	6.5
C16-C21 Aliphatics		280		1.3	6.5
C21-C34 Aliphatics		950		1.3	6.5
C8-C10 Aromatics		1.4	J	1.3	6.5
C10-C12 Aromatics		0.85	J	0.094	6.5
C12-C16 Aromatics		9.7		1.3	6.5
C16-C21 Aromatics		83		1.3	6.5
C21-C34 Aromatics		160		1.3	6.5

Surrogate	%Rec	Qualifier	Acceptance Limits
o-Terphenyl	97		60 - 140
1-Chlorooctadecane	54	X	60 - 140

Analytical Data

Client: MWH Americas Inc

Job Number: 580-32287-1

Client Sample ID: YK-MW-08(4.2-5.0)

Lab Sample ID: 580-32287-2

Date Sampled: 04/04/2012 1437

Client Matrix: Solid

% Moisture: 14.6

Date Received: 04/10/2012 1525

NWTPH/EPH Northwest - Extractable Petroleum Hydrocarbons (GC)

Analysis Method:	NWTPH/EPH	Analysis Batch:	580-109715	Instrument ID:	TAC013
Prep Method:	3550B	Prep Batch:	580-109384	Initial Weight/Volume:	30.3982 g
Dilution:	1.0			Final Weight/Volume:	2 mL
Analysis Date:	04/20/2012 1249			Injection Volume:	1 uL
Prep Date:	04/16/2012 1312			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
C8-C10 Aromatics		ND		2.3	12
C10-C12 Aromatics		ND		0.17	12
C12-C16 Aromatics		ND		2.3	12
C16-C21 Aromatics		7.9	J	2.3	12
C21-C34 Aromatics		50		2.3	12

Surrogate	%Rec	Qualifier	Acceptance Limits
o-Terphenyl	109		60 - 140

Analytical Data

Client: MWH Americas Inc

Job Number: 580-32287-1

Client Sample ID: YK-MW-08(4.2-5.0)

Lab Sample ID: 580-32287-2

Date Sampled: 04/04/2012 1437

Client Matrix: Solid

% Moisture: 14.6

Date Received: 04/10/2012 1525

NWTPH/EPH Northwest - Extractable Petroleum Hydrocarbons (GC)

Analysis Method:	NWTPH/EPH	Analysis Batch:	580-110109	Instrument ID:	TAC013
Prep Method:	3550B	Prep Batch:	580-109384	Initial Weight/Volume:	30.3982 g
Dilution:	1.0			Final Weight/Volume:	2 mL
Analysis Date:	04/26/2012 2149	Run Type:	RA	Injection Volume:	1 uL
Prep Date:	04/16/2012 1312			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
C8-C10 Aliphatics		ND		0.062	12
C10-C12 Aliphatics		ND		0.22	12
C12-C16 Aliphatics		ND		2.3	12
C16-C21 Aliphatics		2.8	J	2.3	12
C21-C34 Aliphatics		54		2.3	12

Surrogate	%Rec	Qualifier	Acceptance Limits
1-Chlorooctadecane	96		60 - 140

Analytical Data

Client: MWH Americas Inc

Job Number: 580-32287-1

Client Sample ID: YK-SB-21(4.5-5.0)

Lab Sample ID: 580-32287-3

Date Sampled: 04/04/2012 1617

Client Matrix: Solid

% Moisture: 5.5

Date Received: 04/10/2012 1525

NWTPH/EPH Northwest - Extractable Petroleum Hydrocarbons (GC)

Analysis Method:	NWTPH/EPH	Analysis Batch:	580-109715	Instrument ID:	TAC013
Prep Method:	3550B	Prep Batch:	580-109384	Initial Weight/Volume:	30.5197 g
Dilution:	1.0			Final Weight/Volume:	2 mL
Analysis Date:	04/20/2012 1317			Injection Volume:	1 uL
Prep Date:	04/16/2012 1312			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
C8-C10 Aliphatics		ND		0.056	10
C10-C12 Aliphatics		ND		0.20	10
C12-C16 Aliphatics		ND		2.1	10
C16-C21 Aliphatics		ND		2.1	10
C21-C34 Aliphatics		38		2.1	10
C8-C10 Aromatics		ND		2.1	10
C10-C12 Aromatics		ND		0.15	10
C12-C16 Aromatics		ND		2.1	10
C16-C21 Aromatics		2.6	J	2.1	10
C21-C34 Aromatics		41		2.1	10

Surrogate	%Rec	Qualifier	Acceptance Limits
o-Terphenyl	97		60 - 140
1-Chlorooctadecane	74		60 - 140

Analytical Data

Client: MWH Americas Inc

Job Number: 580-32287-1

Client Sample ID: YK-SB-21(9.8-10.0)

Lab Sample ID: 580-32287-4

Date Sampled: 04/04/2012 1639

Client Matrix: Solid

% Moisture: 11.3

Date Received: 04/10/2012 1525

NWTPH/EPH Northwest - Extractable Petroleum Hydrocarbons (GC)

Analysis Method:	NWTPH/EPH	Analysis Batch:	580-110109	Instrument ID:	TAC013
Prep Method:	3550B	Prep Batch:	580-109384	Initial Weight/Volume:	30.4866 g
Dilution:	1.0			Final Weight/Volume:	2 mL
Analysis Date:	04/26/2012 2215	Run Type:	RA	Injection Volume:	1 uL
Prep Date:	04/16/2012 1312			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
C8-C10 Aliphatics		ND		0.060	11
C10-C12 Aliphatics		ND		0.21	11
C12-C16 Aliphatics		ND		2.2	11
C16-C21 Aliphatics		2.8	J	2.2	11
C21-C34 Aliphatics		28		2.2	11
C8-C10 Aromatics		ND		2.2	11
C10-C12 Aromatics		ND		0.16	11
C12-C16 Aromatics		ND		2.2	11
C16-C21 Aromatics		ND		2.2	11

Surrogate	%Rec	Qualifier	Acceptance Limits
o-Terphenyl	112		60 - 140
1-Chlorooctadecane	98		60 - 140

Analytical Data

Client: MWH Americas Inc

Job Number: 580-32287-1

Client Sample ID: YK-SB-21(9.8-10.0)

Lab Sample ID: 580-32287-4

Date Sampled: 04/04/2012 1639

Client Matrix: Solid

% Moisture: 11.3

Date Received: 04/10/2012 1525

NWTPH/EPH Northwest - Extractable Petroleum Hydrocarbons (GC)

Analysis Method:	NWTPH/EPH	Analysis Batch:	580-110142	Instrument ID:	TAC013
Prep Method:	3550B	Prep Batch:	580-109384	Initial Weight/Volume:	30.4866 g
Dilution:	1.0			Final Weight/Volume:	2 mL
Analysis Date:	04/27/2012 0954	Run Type:	RA2	Injection Volume:	1 uL
Prep Date:	04/16/2012 1312			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
C21-C34 Aromatics		19		2.2	11

Analytical Data

Client: MWH Americas Inc

Job Number: 580-32287-1

Client Sample ID: YK-SB-19(3.3-4.3)

Lab Sample ID: 580-32287-5

Date Sampled: 04/05/2012 0913

Client Matrix: Solid

% Moisture: 7.4

Date Received: 04/10/2012 1525

NWTPH/EPH Northwest - Extractable Petroleum Hydrocarbons (GC)

Analysis Method:	NWTPH/EPH	Analysis Batch:	580-109715	Instrument ID:	TAC013
Prep Method:	3550B	Prep Batch:	580-109384	Initial Weight/Volume:	30.5412 g
Dilution:	1.0			Final Weight/Volume:	2 mL
Analysis Date:	04/20/2012 1413			Injection Volume:	1 uL
Prep Date:	04/16/2012 1312			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
C8-C10 Aliphatics		ND		0.029	5.3
C10-C12 Aliphatics		ND		0.10	5.3
C12-C16 Aliphatics		ND		1.1	5.3
C16-C21 Aliphatics		4.5	J	1.1	5.3
C21-C34 Aliphatics		12		1.1	5.3
C8-C10 Aromatics		ND		1.1	5.3
C10-C12 Aromatics		ND		0.076	5.3
C12-C16 Aromatics		ND		1.1	5.3
C16-C21 Aromatics		2.6	J	1.1	5.3
C21-C34 Aromatics		8.3		1.1	5.3

Surrogate	%Rec	Qualifier	Acceptance Limits
o-Terphenyl	103		60 - 140
1-Chlorooctadecane	73		60 - 140

Analytical Data

Client: MWH Americas Inc

Job Number: 580-32287-1

Client Sample ID: YK-SB-19(9.0-10.0)

Lab Sample ID: 580-32287-6

Date Sampled: 04/05/2012 0929

Client Matrix: Solid

% Moisture: 7.3

Date Received: 04/10/2012 1525

NWTPH/EPH Northwest - Extractable Petroleum Hydrocarbons (GC)

Analysis Method:	NWTPH/EPH	Analysis Batch:	580-109715	Instrument ID:	TAC013
Prep Method:	3550B	Prep Batch:	580-109384	Initial Weight/Volume:	30.7416 g
Dilution:	1.0			Final Weight/Volume:	2 mL
Analysis Date:	04/20/2012 1442			Injection Volume:	1 uL
Prep Date:	04/16/2012 1312			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
C8-C10 Aliphatics		ND		0.028	5.3
C10-C12 Aliphatics		ND		0.10	5.3
C12-C16 Aliphatics		ND		1.1	5.3
C16-C21 Aliphatics		6.0		1.1	5.3
C21-C34 Aliphatics		15		1.1	5.3
C8-C10 Aromatics		ND		1.1	5.3
C10-C12 Aromatics		0.082	J	0.076	5.3
C12-C16 Aromatics		ND		1.1	5.3
C16-C21 Aromatics		2.3	J	1.1	5.3
C21-C34 Aromatics		6.2		1.1	5.3

Surrogate	%Rec	Qualifier	Acceptance Limits
o-Terphenyl	88		60 - 140
1-Chlorooctadecane	72		60 - 140

Analytical Data

Client: MWH Americas Inc

Job Number: 580-32287-1

Client Sample ID: YK-SB-20(4.0-4.7)

Lab Sample ID: 580-32287-7

Date Sampled: 04/05/2012 1037

Client Matrix: Solid

% Moisture: 27.2

Date Received: 04/10/2012 1525

NWTPH/EPH Northwest - Extractable Petroleum Hydrocarbons (GC)

Analysis Method:	NWTPH/EPH	Analysis Batch:	580-109715	Instrument ID:	TAC013
Prep Method:	3550B	Prep Batch:	580-109384	Initial Weight/Volume:	30.4139 g
Dilution:	1.0			Final Weight/Volume:	2 mL
Analysis Date:	04/20/2012 1611			Injection Volume:	1 uL
Prep Date:	04/16/2012 1312			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
C8-C10 Aliphatics		ND		0.037	6.8
C10-C12 Aliphatics		ND		0.13	6.8
C12-C16 Aliphatics		ND		1.4	6.8
C16-C21 Aliphatics		ND		1.4	6.8
C21-C34 Aliphatics		ND		1.4	6.8
C8-C10 Aromatics		ND		1.4	6.8
C10-C12 Aromatics		ND		0.098	6.8
C12-C16 Aromatics		ND		1.4	6.8
C16-C21 Aromatics		ND		1.4	6.8
C21-C34 Aromatics		ND		1.4	6.8

Surrogate	%Rec	Qualifier	Acceptance Limits
o-Terphenyl	100		60 - 140
1-Chlorooctadecane	85		60 - 140

Analytical Data

Client: MWH Americas Inc

Job Number: 580-32287-1

Client Sample ID: YK-SB-20(5.2-6.5)

Lab Sample ID: 580-32287-8

Date Sampled: 04/05/2012 1059

Client Matrix: Solid

% Moisture: 25.8

Date Received: 04/10/2012 1525

NWTPH/EPH Northwest - Extractable Petroleum Hydrocarbons (GC)

Analysis Method:	NWTPH/EPH	Analysis Batch:	580-109715	Instrument ID:	TAC013
Prep Method:	3550B	Prep Batch:	580-109384	Initial Weight/Volume:	30.6893 g
Dilution:	1.0			Final Weight/Volume:	2 mL
Analysis Date:	04/20/2012 1641			Injection Volume:	1 uL
Prep Date:	04/16/2012 1312			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
C8-C10 Aliphatics		0.11	J	0.071	13
C10-C12 Aliphatics		ND		0.25	13
C12-C16 Aliphatics		ND		2.6	13
C16-C21 Aliphatics		ND		2.6	13
C21-C34 Aliphatics		19		2.6	13
C8-C10 Aromatics		ND		2.6	13
C10-C12 Aromatics		ND		0.19	13
C12-C16 Aromatics		ND		2.6	13
C16-C21 Aromatics		4.6	J	2.6	13
C21-C34 Aromatics		27		2.6	13

Surrogate	%Rec	Qualifier	Acceptance Limits
o-Terphenyl	100		60 - 140
1-Chlorooctadecane	66		60 - 140

Analytical Data

Client: MWH Americas Inc

Job Number: 580-32287-1

Client Sample ID: YK-SB-20(5.2-6.5)Dup

Lab Sample ID: 580-32287-9

Date Sampled: 04/05/2012 1059

Client Matrix: Solid

% Moisture: 24.9

Date Received: 04/10/2012 1525

NWTPH/EPH Northwest - Extractable Petroleum Hydrocarbons (GC)

Analysis Method:	NWTPH/EPH	Analysis Batch:	580-109715	Instrument ID:	TAC013
Prep Method:	3550B	Prep Batch:	580-109384	Initial Weight/Volume:	30.6313 g
Dilution:	1.0			Final Weight/Volume:	2 mL
Analysis Date:	04/20/2012 1709			Injection Volume:	1 uL
Prep Date:	04/16/2012 1312			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
C8-C10 Aliphatics		0.17	J	0.070	13
C10-C12 Aliphatics		ND		0.25	13
C12-C16 Aliphatics		ND		2.6	13
C16-C21 Aliphatics		ND		2.6	13
C21-C34 Aliphatics		32		2.6	13
C8-C10 Aromatics		ND		2.6	13
C10-C12 Aromatics		ND		0.19	13
C12-C16 Aromatics		ND		2.6	13
C16-C21 Aromatics		2.9	J	2.6	13
C21-C34 Aromatics		36		2.6	13

Surrogate	%Rec	Qualifier	Acceptance Limits
o-Terphenyl	106		60 - 140
1-Chlorooctadecane	94		60 - 140

Analytical Data

Client: MWH Americas Inc

Job Number: 580-32287-1

Client Sample ID: YK-SB-22(6.9-7.1)

Lab Sample ID: 580-32287-10

Date Sampled: 04/05/2012 1347

Client Matrix: Solid

% Moisture: 23.8

Date Received: 04/10/2012 1525

NWTPH/EPH Northwest - Extractable Petroleum Hydrocarbons (GC)

Analysis Method:	NWTPH/EPH	Analysis Batch:	580-109715	Instrument ID:	TAC013
Prep Method:	3550B	Prep Batch:	580-109384	Initial Weight/Volume:	30.3122 g
Dilution:	1.0			Final Weight/Volume:	2 mL
Analysis Date:	04/20/2012 1736			Injection Volume:	1 uL
Prep Date:	04/16/2012 1312			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
C8-C10 Aliphatics		0.073	J	0.035	6.5
C10-C12 Aliphatics		ND		0.12	6.5
C12-C16 Aliphatics		ND		1.3	6.5
C16-C21 Aliphatics		ND		1.3	6.5
C21-C34 Aliphatics		2.4	J	1.3	6.5
C8-C10 Aromatics		ND		1.3	6.5
C10-C12 Aromatics		ND		0.094	6.5
C12-C16 Aromatics		ND		1.3	6.5
C16-C21 Aromatics		1.8	J	1.3	6.5
C21-C34 Aromatics		2.5	J	1.3	6.5

Surrogate	%Rec	Qualifier	Acceptance Limits
o-Terphenyl	100		60 - 140
1-Chlorooctadecane	78		60 - 140

Analytical Data

Client: MWH Americas Inc

Job Number: 580-32287-1

Client Sample ID: YK-SB-22(3.0-3.3)

Lab Sample ID: 580-32287-11

Date Sampled: 04/05/2012 1343

Client Matrix: Solid

% Moisture: 28.9

Date Received: 04/10/2012 1525

NWTPH/EPH Northwest - Extractable Petroleum Hydrocarbons (GC)

Analysis Method:	NWTPH/EPH	Analysis Batch:	580-109715	Instrument ID:	TAC013
Prep Method:	3550B	Prep Batch:	580-109384	Initial Weight/Volume:	30.2744 g
Dilution:	1.0			Final Weight/Volume:	2 mL
Analysis Date:	04/20/2012 1805			Injection Volume:	1 uL
Prep Date:	04/16/2012 1312			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
C8-C10 Aromatics		ND		1.4	7.0
C10-C12 Aromatics		ND		0.10	7.0
C12-C16 Aromatics		ND		1.4	7.0
C16-C21 Aromatics		6.4	J	1.4	7.0
C21-C34 Aromatics		30		1.4	7.0

Surrogate	%Rec	Qualifier	Acceptance Limits
o-Terphenyl	94		60 - 140

Analytical Data

Client: MWH Americas Inc

Job Number: 580-32287-1

Client Sample ID: YK-SB-22(3.0-3.3)

Lab Sample ID: 580-32287-11

Date Sampled: 04/05/2012 1343

Client Matrix: Solid

% Moisture: 28.9

Date Received: 04/10/2012 1525

NWTPH/EPH Northwest - Extractable Petroleum Hydrocarbons (GC)

Analysis Method:	NWTPH/EPH	Analysis Batch:	580-110109	Instrument ID:	TAC013
Prep Method:	3550B	Prep Batch:	580-109384	Initial Weight/Volume:	30.2744 g
Dilution:	1.0			Final Weight/Volume:	2 mL
Analysis Date:	04/26/2012 2241	Run Type:	RA	Injection Volume:	1 uL
Prep Date:	04/16/2012 1312			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
C8-C10 Aliphatics		ND		0.075	14
C10-C12 Aliphatics		ND		0.26	14
C12-C16 Aliphatics		ND		2.8	14
C16-C21 Aliphatics		ND		2.8	14
C21-C34 Aliphatics		28		2.8	14

Surrogate	%Rec	Qualifier	Acceptance Limits
1-Chlorooctadecane	99		60 - 140

Analytical Data

Client: MWH Americas Inc

Job Number: 580-32287-1

Client Sample ID: YK-SB-23(3.0-3.5)

Lab Sample ID: 580-32287-12

Date Sampled: 04/05/2012 1329

Client Matrix: Solid

% Moisture: 31.0

Date Received: 04/10/2012 1525

NWTPH/EPH Northwest - Extractable Petroleum Hydrocarbons (GC)

Analysis Method:	NWTPH/EPH	Analysis Batch:	580-109715	Instrument ID:	TAC013
Prep Method:	3550B	Prep Batch:	580-109384	Initial Weight/Volume:	30.5980 g
Dilution:	1.0			Final Weight/Volume:	2 mL
Analysis Date:	04/20/2012 1834			Injection Volume:	1 uL
Prep Date:	04/16/2012 1312			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
C8-C10 Aromatics		ND		1.4	7.1
C10-C12 Aromatics		ND		0.10	7.1
C12-C16 Aromatics		ND		1.4	7.1
C16-C21 Aromatics		6.4	J	1.4	7.1
C21-C34 Aromatics		ND		1.4	7.1

Surrogate	%Rec	Qualifier	Acceptance Limits
o-Terphenyl	93		60 - 140

Analytical Data

Client: MWH Americas Inc

Job Number: 580-32287-1

Client Sample ID: YK-SB-23(3.0-3.5)

Lab Sample ID: 580-32287-12

Date Sampled: 04/05/2012 1329

Client Matrix: Solid

% Moisture: 31.0

Date Received: 04/10/2012 1525

NWTPH/EPH Northwest - Extractable Petroleum Hydrocarbons (GC)

Analysis Method:	NWTPH/EPH	Analysis Batch:	580-110109	Instrument ID:	TAC013
Prep Method:	3550B	Prep Batch:	580-109384	Initial Weight/Volume:	30.5980 g
Dilution:	1.0			Final Weight/Volume:	2 mL
Analysis Date:	04/26/2012 2306	Run Type:	RA	Injection Volume:	1 uL
Prep Date:	04/16/2012 1312			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
C8-C10 Aliphatics		ND		0.038	7.1
C10-C12 Aliphatics		ND		0.14	7.1
C12-C16 Aliphatics		ND		1.4	7.1
C16-C21 Aliphatics		ND		1.4	7.1
C21-C34 Aliphatics		ND		1.4	7.1

Surrogate	%Rec	Qualifier	Acceptance Limits
1-Chlorooctadecane	99		60 - 140

Analytical Data

Client: MWH Americas Inc

Job Number: 580-32287-1

Client Sample ID: YK-SB-23(6.5-7.0)

Lab Sample ID: 580-32287-13

Date Sampled: 04/05/2012 1335

Client Matrix: Solid

% Moisture: 26.0

Date Received: 04/10/2012 1525

NWTPH/EPH Northwest - Extractable Petroleum Hydrocarbons (GC)

Analysis Method:	NWTPH/EPH	Analysis Batch:	580-109715	Instrument ID:	TAC013
Prep Method:	3550B	Prep Batch:	580-109384	Initial Weight/Volume:	30.6052 g
Dilution:	1.0			Final Weight/Volume:	2 mL
Analysis Date:	04/20/2012 1903			Injection Volume:	1 uL
Prep Date:	04/16/2012 1312			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
C8-C10 Aliphatics		0.066	J	0.036	6.6
C10-C12 Aliphatics		ND		0.13	6.6
C12-C16 Aliphatics		ND		1.3	6.6
C16-C21 Aliphatics		ND		1.3	6.6
C21-C34 Aliphatics		ND		1.3	6.6
C8-C10 Aromatics		ND		1.3	6.6
C10-C12 Aromatics		ND		0.095	6.6
C12-C16 Aromatics		ND		1.3	6.6
C16-C21 Aromatics		4.1	J	1.3	6.6
C21-C34 Aromatics		ND		1.3	6.6

Surrogate	%Rec	Qualifier	Acceptance Limits
o-Terphenyl	100		60 - 140
1-Chlorooctadecane	60		60 - 140

Analytical Data

Client: MWH Americas Inc

Job Number: 580-32287-1

Client Sample ID: YK-SB-24(3.0-3.3)

Lab Sample ID: 580-32287-14

Date Sampled: 04/05/2012 1407

Client Matrix: Solid

% Moisture: 27.9

Date Received: 04/10/2012 1525

NWTPH/EPH Northwest - Extractable Petroleum Hydrocarbons (GC)

Analysis Method:	NWTPH/EPH	Analysis Batch:	580-109715	Instrument ID:	TAC013
Prep Method:	3550B	Prep Batch:	580-109384	Initial Weight/Volume:	30.6541 g
Dilution:	1.0			Final Weight/Volume:	2 mL
Analysis Date:	04/20/2012 1931			Injection Volume:	1 uL
Prep Date:	04/16/2012 1312			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
C8-C10 Aromatics		ND		1.4	6.8
C10-C12 Aromatics		ND		0.098	6.8
C12-C16 Aromatics		ND		1.4	6.8
C16-C21 Aromatics		7.6		1.4	6.8
C21-C34 Aromatics		1.7	J	1.4	6.8

Surrogate	%Rec	Qualifier	Acceptance Limits
o-Terphenyl	95		60 - 140

Analytical Data

Client: MWH Americas Inc

Job Number: 580-32287-1

Client Sample ID: YK-SB-24(3.0-3.3)

Lab Sample ID: 580-32287-14

Date Sampled: 04/05/2012 1407

Client Matrix: Solid

% Moisture: 27.9

Date Received: 04/10/2012 1525

NWTPH/EPH Northwest - Extractable Petroleum Hydrocarbons (GC)

Analysis Method:	NWTPH/EPH	Analysis Batch:	580-110109	Instrument ID:	TAC013
Prep Method:	3550B	Prep Batch:	580-109384	Initial Weight/Volume:	30.6541 g
Dilution:	1.0			Final Weight/Volume:	2 mL
Analysis Date:	04/26/2012 2332	Run Type:	RA	Injection Volume:	1 uL
Prep Date:	04/16/2012 1312			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
C8-C10 Aliphatics		ND		0.037	6.8
C10-C12 Aliphatics		ND		0.13	6.8
C12-C16 Aliphatics		ND		1.4	6.8
C16-C21 Aliphatics		ND		1.4	6.8
C21-C34 Aliphatics		3.3	J	1.4	6.8

Surrogate	%Rec	Qualifier	Acceptance Limits
1-Chlorooctadecane	95		60 - 140

Analytical Data

Client: MWH Americas Inc

Job Number: 580-32287-1

Client Sample ID: YK-SB-24(6.5-6.8)

Lab Sample ID: 580-32287-15

Date Sampled: 04/05/2012 1411

Client Matrix: Solid

% Moisture: 26.1

Date Received: 04/10/2012 1525

NWTPH/EPH Northwest - Extractable Petroleum Hydrocarbons (GC)

Analysis Method:	NWTPH/EPH	Analysis Batch:	580-109715	Instrument ID:	TAC013
Prep Method:	3550B	Prep Batch:	580-109384	Initial Weight/Volume:	30.3029 g
Dilution:	1.0			Final Weight/Volume:	2 mL
Analysis Date:	04/20/2012 1958			Injection Volume:	1 uL
Prep Date:	04/16/2012 1312			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
C8-C10 Aliphatics		ND		0.036	6.7
C10-C12 Aliphatics		ND		0.13	6.7
C12-C16 Aliphatics		ND		1.3	6.7
C16-C21 Aliphatics		ND		1.3	6.7
C21-C34 Aliphatics		ND		1.3	6.7
C8-C10 Aromatics		ND		1.3	6.7
C10-C12 Aromatics		ND		0.096	6.7
C12-C16 Aromatics		ND		1.3	6.7
C16-C21 Aromatics		ND		1.3	6.7
C21-C34 Aromatics		ND		1.3	6.7

Surrogate	%Rec	Qualifier	Acceptance Limits
o-Terphenyl	94		60 - 140
1-Chlorooctadecane	87		60 - 140

Analytical Data

Client: MWH Americas Inc

Job Number: 580-32287-1

Client Sample ID: IDW-01-040612

Lab Sample ID: 580-32287-16

Date Sampled: 04/06/2012 1713

Client Matrix: Solid

% Moisture: 25.4

Date Received: 04/10/2012 1525

NWTPH/EPH Northwest - Extractable Petroleum Hydrocarbons (GC)

Analysis Method:	NWTPH/EPH	Analysis Batch:	580-109715	Instrument ID:	TAC013
Prep Method:	3550B	Prep Batch:	580-109384	Initial Weight/Volume:	30.2919 g
Dilution:	1.0			Final Weight/Volume:	2 mL
Analysis Date:	04/20/2012 2026			Injection Volume:	1 uL
Prep Date:	04/16/2012 1312			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
C8-C10 Aliphatics		ND		0.036	6.6
C10-C12 Aliphatics		ND		0.13	6.6
C12-C16 Aliphatics		ND		1.3	6.6
C16-C21 Aliphatics		1.6	J	1.3	6.6
C21-C34 Aliphatics		24		1.3	6.6
C8-C10 Aromatics		ND		1.3	6.6
C10-C12 Aromatics		0.14	J	0.096	6.6
C12-C16 Aromatics		ND		1.3	6.6
C16-C21 Aromatics		2.0	J	1.3	6.6
C21-C34 Aromatics		26		1.3	6.6

Surrogate	%Rec	Qualifier	Acceptance Limits
o-Terphenyl	102		60 - 140
1-Chlorooctadecane	87		60 - 140

Analytical Data

Client: MWH Americas Inc

Job Number: 580-32287-1

Client Sample ID: MW-08-040612

Lab Sample ID: 580-32287-17

Date Sampled: 04/06/2012 1615

Client Matrix: Water

Date Received: 04/10/2012 1525

NWTPH/EPH Northwest - Extractable Petroleum Hydrocarbons (GC)

Analysis Method:	NWTPH/EPH	Analysis Batch:	580-109715	Instrument ID:	TAC013
Prep Method:	3520C	Prep Batch:	580-109254	Initial Weight/Volume:	1040 mL
Dilution:	1.0			Final Weight/Volume:	2 mL
Analysis Date:	04/21/2012 0044			Injection Volume:	1 uL
Prep Date:	04/12/2012 1737			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
C8-C10 Aliphatics	ND		1.9	48
C10-C12 Aliphatics	ND		3.0	48
C12-C16 Aliphatics	1.6	J B	1.4	48
C16-C21 Aliphatics	22	J B	4.4	48
C21-C34 Aliphatics	46	J	11	48
C8-C10 Aromatics	ND		14	48
C10-C12 Aromatics	ND		3.9	48
C12-C16 Aromatics	5.6	J B	5.5	48
C16-C21 Aromatics	38	J B	6.7	48
C21-C34 Aromatics	25	J B	14	48

Surrogate	%Rec	Qualifier	Acceptance Limits
o-Terphenyl	99		60 - 140
1-Chlorooctadecane	83		60 - 140

Analytical Data

Client: MWH Americas Inc

Job Number: 580-32287-1

Client Sample ID: IDW-02-040612

Lab Sample ID: 580-32287-18

Date Sampled: 04/06/2012 1717

Client Matrix: Water

Date Received: 04/10/2012 1525

NWTPH/EPH Northwest - Extractable Petroleum Hydrocarbons (GC)

Analysis Method:	NWTPH/EPH	Analysis Batch:	580-109715	Instrument ID:	TAC013
Prep Method:	3520C	Prep Batch:	580-109254	Initial Weight/Volume:	1040 mL
Dilution:	1.0			Final Weight/Volume:	2 mL
Analysis Date:	04/21/2012 0109			Injection Volume:	1 uL
Prep Date:	04/12/2012 1737			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
C8-C10 Aromatics	ND		14	48
C10-C12 Aromatics	ND		3.9	48
C12-C16 Aromatics	12	J B	5.5	48
C16-C21 Aromatics	240	B	6.7	48
C21-C34 Aromatics	210	B	14	48

Surrogate	%Rec	Qualifier	Acceptance Limits
o-Terphenyl	90		60 - 140

Analytical Data

Client: MWH Americas Inc

Job Number: 580-32287-1

Client Sample ID: IDW-02-040612

Lab Sample ID: 580-32287-18

Date Sampled: 04/06/2012 1717

Client Matrix: Water

Date Received: 04/10/2012 1525

NWTPH/EPH Northwest - Extractable Petroleum Hydrocarbons (GC)

Analysis Method:	NWTPH/EPH	Analysis Batch:	580-110109	Instrument ID:	TAC013
Prep Method:	3520C	Prep Batch:	580-109254	Initial Weight/Volume:	1040 mL
Dilution:	1.0			Final Weight/Volume:	2 mL
Analysis Date:	04/26/2012 1651	Run Type:	RA	Injection Volume:	1 uL
Prep Date:	04/12/2012 1737			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
C8-C10 Aliphatics	ND		1.9	48
C10-C12 Aliphatics	35	J	3.0	48
C12-C16 Aliphatics	50	B	1.4	48
C16-C21 Aliphatics	380	B	4.4	48
C21-C34 Aliphatics	1500		11	48

Surrogate	%Rec	Qualifier	Acceptance Limits
1-Chlorooctadecane	100		60 - 140

Analytical Data

Client: MWH Americas Inc

Job Number: 580-32287-1

Client Sample ID: YK-MW-08(11.45-12.2)

Lab Sample ID: 580-32287-1

Date Sampled: 04/04/2012 1511

Client Matrix: Solid

% Moisture: 23.4

Date Received: 04/10/2012 1525

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

Analysis Method:	NWTPH-Dx	Analysis Batch:	580-109531	Instrument ID:	TAC017
Prep Method:	3550B	Prep Batch:	580-109518	Lab File ID:	ZZ17554.D
Dilution:	1.0			Initial Weight/Volume:	10.5012 g
Analysis Date:	04/18/2012 1929			Final Weight/Volume:	10 mL
Prep Date:	04/17/2012 1633			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
#2 Diesel (C10-C24)		210	Y	7.1	31
Motor Oil (>C24-C36)		510	B Y	11	62

Surrogate	%Rec	Qualifier	Acceptance Limits
o-Terphenyl	94		50 - 150

Analytical Data

Client: MWH Americas Inc

Job Number: 580-32287-1

Client Sample ID: YK-MW-08(4.2-5.0)

Lab Sample ID: 580-32287-2

Date Sampled: 04/04/2012 1437

Client Matrix: Solid

% Moisture: 14.6

Date Received: 04/10/2012 1525

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

Analysis Method:	NWTPH-Dx	Analysis Batch:	580-109531	Instrument ID:	TAC017
Prep Method:	3550B	Prep Batch:	580-109518	Lab File ID:	ZZ17556.D
Dilution:	1.0			Initial Weight/Volume:	10.3949 g
Analysis Date:	04/18/2012 1951			Final Weight/Volume:	10 mL
Prep Date:	04/17/2012 1633			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
#2 Diesel (C10-C24)		8.3	J	6.4	28
Motor Oil (>C24-C36)		130	B	10	56

Surrogate	%Rec	Qualifier	Acceptance Limits
o-Terphenyl	91		50 - 150

Analytical Data

Client: MWH Americas Inc

Job Number: 580-32287-1

Client Sample ID: YK-SB-21(4.5-5.0)

Lab Sample ID: 580-32287-3

Date Sampled: 04/04/2012 1617

Client Matrix: Solid

% Moisture: 5.5

Date Received: 04/10/2012 1525

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

Analysis Method:	NWTPH-Dx	Analysis Batch:	580-109531	Instrument ID:	TAC017
Prep Method:	3550B	Prep Batch:	580-109518	Lab File ID:	ZZ17558.D
Dilution:	1.0			Initial Weight/Volume:	10.0311 g
Analysis Date:	04/18/2012 2013			Final Weight/Volume:	10 mL
Prep Date:	04/17/2012 1633			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
#2 Diesel (C10-C24)		11	J	6.0	26
Motor Oil (>C24-C36)		170	B	9.6	53

Surrogate	%Rec	Qualifier	Acceptance Limits
o-Terphenyl	93		50 - 150

Analytical Data

Client: MWH Americas Inc

Job Number: 580-32287-1

Client Sample ID: YK-SB-21(9.8-10.0)

Lab Sample ID: 580-32287-4

Date Sampled: 04/04/2012 1639

Client Matrix: Solid

% Moisture: 11.3

Date Received: 04/10/2012 1525

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

Analysis Method:	NWTPH-Dx	Analysis Batch:	580-109531	Instrument ID:	TAC017
Prep Method:	3550B	Prep Batch:	580-109518	Lab File ID:	ZZ17560.D
Dilution:	1.0			Initial Weight/Volume:	10.2108 g
Analysis Date:	04/18/2012 2034			Final Weight/Volume:	10 mL
Prep Date:	04/17/2012 1633			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
#2 Diesel (C10-C24)		9.0	J	6.3	28
Motor Oil (>C24-C36)		110	B	10	55

Surrogate	%Rec	Qualifier	Acceptance Limits
o-Terphenyl	92		50 - 150

Analytical Data

Client: MWH Americas Inc

Job Number: 580-32287-1

Client Sample ID: YK-SB-19(3.3-4.3)

Lab Sample ID: 580-32287-5

Date Sampled: 04/05/2012 0913

Client Matrix: Solid

% Moisture: 7.4

Date Received: 04/10/2012 1525

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

Analysis Method:	NWTPH-Dx	Analysis Batch:	580-109531	Instrument ID:	TAC017
Prep Method:	3550B	Prep Batch:	580-109518	Lab File ID:	ZZ17562.D
Dilution:	1.0			Initial Weight/Volume:	10.8364 g
Analysis Date:	04/18/2012 2056			Final Weight/Volume:	10 mL
Prep Date:	04/17/2012 1633			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
#2 Diesel (C10-C24)		5.9	J	5.7	25
Motor Oil (>C24-C36)		46	J B	9.1	50

Surrogate	%Rec	Qualifier	Acceptance Limits
o-Terphenyl	91		50 - 150

Analytical Data

Client: MWH Americas Inc

Job Number: 580-32287-1

Client Sample ID: YK-SB-19(9.0-10.0)

Lab Sample ID: 580-32287-6

Date Sampled: 04/05/2012 0929

Client Matrix: Solid

% Moisture: 7.3

Date Received: 04/10/2012 1525

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

Analysis Method:	NWTPH-Dx	Analysis Batch:	580-109531	Instrument ID:	TAC017
Prep Method:	3550B	Prep Batch:	580-109518	Lab File ID:	ZZ17564.D
Dilution:	1.0			Initial Weight/Volume:	10.2569 g
Analysis Date:	04/18/2012 2118			Final Weight/Volume:	10 mL
Prep Date:	04/17/2012 1633			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
#2 Diesel (C10-C24)		13	J	6.0	26
Motor Oil (>C24-C36)		65	B	9.6	53

Surrogate	%Rec	Qualifier	Acceptance Limits
o-Terphenyl	89		50 - 150

Analytical Data

Client: MWH Americas Inc

Job Number: 580-32287-1

Client Sample ID: YK-SB-20(4.0-4.7)

Lab Sample ID: 580-32287-7

Date Sampled: 04/05/2012 1037

Client Matrix: Solid

% Moisture: 27.2

Date Received: 04/10/2012 1525

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

Analysis Method:	NWTPH-Dx	Analysis Batch:	580-109531	Instrument ID:	TAC017
Prep Method:	3550B	Prep Batch:	580-109518	Lab File ID:	ZZ17566.D
Dilution:	1.0			Initial Weight/Volume:	10.3577 g
Analysis Date:	04/18/2012 2139			Final Weight/Volume:	10 mL
Prep Date:	04/17/2012 1633			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
#2 Diesel (C10-C24)		ND		7.6	33
Motor Oil (>C24-C36)		43	J B	12	66

Surrogate	%Rec	Qualifier	Acceptance Limits
o-Terphenyl	92		50 - 150

Analytical Data

Client: MWH Americas Inc

Job Number: 580-32287-1

Client Sample ID: YK-SB-20(5.2-6.5)

Lab Sample ID: 580-32287-8

Date Sampled: 04/05/2012 1059

Client Matrix: Solid

% Moisture: 25.8

Date Received: 04/10/2012 1525

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

Analysis Method:	NWTPH-Dx	Analysis Batch:	580-109531	Instrument ID:	TAC017
Prep Method:	3550B	Prep Batch:	580-109518	Lab File ID:	ZZ17568.D
Dilution:	1.0			Initial Weight/Volume:	10.2536 g
Analysis Date:	04/18/2012 2201			Final Weight/Volume:	10 mL
Prep Date:	04/17/2012 1633			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
#2 Diesel (C10-C24)		8.8	J	7.5	33
Motor Oil (>C24-C36)		130	B	12	66

Surrogate	%Rec	Qualifier	Acceptance Limits
o-Terphenyl	84		50 - 150

Analytical Data

Client: MWH Americas Inc

Job Number: 580-32287-1

Client Sample ID: YK-SB-20(5.2-6.5)Dup

Lab Sample ID: 580-32287-9

Date Sampled: 04/05/2012 1059

Client Matrix: Solid

% Moisture: 24.9

Date Received: 04/10/2012 1525

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

Analysis Method:	NWTPH-Dx	Analysis Batch:	580-109531	Instrument ID:	TAC017
Prep Method:	3550B	Prep Batch:	580-109518	Lab File ID:	ZZ17574.D
Dilution:	1.0			Initial Weight/Volume:	10.7520 g
Analysis Date:	04/19/2012 2306			Final Weight/Volume:	10 mL
Prep Date:	04/17/2012 1633			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
#2 Diesel (C10-C24)		12	J	7.1	31
Motor Oil (>C24-C36)		160	B	11	62

Surrogate	%Rec	Qualifier	Acceptance Limits
o-Terphenyl	90		50 - 150

Analytical Data

Client: MWH Americas Inc

Job Number: 580-32287-1

Client Sample ID: YK-SB-22(6.9-7.1)

Lab Sample ID: 580-32287-10

Date Sampled: 04/05/2012 1347

Client Matrix: Solid

% Moisture: 23.8

Date Received: 04/10/2012 1525

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

Analysis Method:	NWTPH-Dx	Analysis Batch:	580-109531	Instrument ID:	TAC017
Prep Method:	3550B	Prep Batch:	580-109518	Lab File ID:	ZZ17576.D
Dilution:	1.0			Initial Weight/Volume:	10.8428 g
Analysis Date:	04/19/2012 2327			Final Weight/Volume:	10 mL
Prep Date:	04/17/2012 1633			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
#2 Diesel (C10-C24)		ND		6.9	30
Motor Oil (>C24-C36)		40	J B	11	61

Surrogate	%Rec	Qualifier	Acceptance Limits
o-Terphenyl	90		50 - 150

Analytical Data

Client: MWH Americas Inc

Job Number: 580-32287-1

Client Sample ID: YK-SB-22(3.0-3.3)

Lab Sample ID: 580-32287-11

Date Sampled: 04/05/2012 1343

Client Matrix: Solid

% Moisture: 28.9

Date Received: 04/10/2012 1525

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

Analysis Method:	NWTPH-Dx	Analysis Batch:	580-109531	Instrument ID:	TAC017
Prep Method:	3550B	Prep Batch:	580-109518	Lab File ID:	ZZ17578.D
Dilution:	1.0			Initial Weight/Volume:	10.5859 g
Analysis Date:	04/19/2012 2349			Final Weight/Volume:	10 mL
Prep Date:	04/17/2012 1633			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
#2 Diesel (C10-C24)		13	J	7.6	33
Motor Oil (>C24-C36)		200	B	12	66

Surrogate	%Rec	Qualifier	Acceptance Limits
o-Terphenyl	93		50 - 150

Analytical Data

Client: MWH Americas Inc

Job Number: 580-32287-1

Client Sample ID: YK-SB-23(3.0-3.5)

Lab Sample ID: 580-32287-12

Date Sampled: 04/05/2012 1329

Client Matrix: Solid

% Moisture: 31.0

Date Received: 04/10/2012 1525

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

Analysis Method:	NWTPH-Dx	Analysis Batch:	580-109531	Instrument ID:	TAC017
Prep Method:	3550B	Prep Batch:	580-109518	Lab File ID:	ZZ17580.D
Dilution:	1.0			Initial Weight/Volume:	10.3093 g
Analysis Date:	04/19/2012 0010			Final Weight/Volume:	10 mL
Prep Date:	04/17/2012 1633			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
#2 Diesel (C10-C24)		ND		8.0	35
Motor Oil (>C24-C36)		44	J B	13	70

Surrogate	%Rec	Qualifier	Acceptance Limits
o-Terphenyl	92		50 - 150

Analytical Data

Client: MWH Americas Inc

Job Number: 580-32287-1

Client Sample ID: YK-SB-23(6.5-7.0)

Lab Sample ID: 580-32287-13

Date Sampled: 04/05/2012 1335

Client Matrix: Solid

% Moisture: 26.0

Date Received: 04/10/2012 1525

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

Analysis Method:	NWTPH-Dx	Analysis Batch:	580-109531	Instrument ID:	TAC017
Prep Method:	3550B	Prep Batch:	580-109518	Lab File ID:	ZZ17582.D
Dilution:	1.0			Initial Weight/Volume:	10.3087 g
Analysis Date:	04/19/2012 0032			Final Weight/Volume:	10 mL
Prep Date:	04/17/2012 1633			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
#2 Diesel (C10-C24)		ND		7.5	33
Motor Oil (>C24-C36)		42	J B	12	66

Surrogate	%Rec	Qualifier	Acceptance Limits
o-Terphenyl	90		50 - 150

Analytical Data

Client: MWH Americas Inc

Job Number: 580-32287-1

Client Sample ID: YK-SB-24(3.0-3.3)

Lab Sample ID: 580-32287-14

Date Sampled: 04/05/2012 1407

Client Matrix: Solid

% Moisture: 27.9

Date Received: 04/10/2012 1525

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

Analysis Method:	NWTPH-Dx	Analysis Batch:	580-109531	Instrument ID:	TAC017
Prep Method:	3550B	Prep Batch:	580-109518	Lab File ID:	ZZ17584.D
Dilution:	1.0			Initial Weight/Volume:	10.0871 g
Analysis Date:	04/19/2012 0053			Final Weight/Volume:	10 mL
Prep Date:	04/17/2012 1633			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
#2 Diesel (C10-C24)		ND		7.8	34
Motor Oil (>C24-C36)		47	J B	13	69

Surrogate	%Rec	Qualifier	Acceptance Limits
o-Terphenyl	92		50 - 150

Analytical Data

Client: MWH Americas Inc

Job Number: 580-32287-1

Client Sample ID: YK-SB-24(6.5-6.8)

Lab Sample ID: 580-32287-15

Date Sampled: 04/05/2012 1411

Client Matrix: Solid

% Moisture: 26.1

Date Received: 04/10/2012 1525

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

Analysis Method:	NWTPH-Dx	Analysis Batch:	580-109531	Instrument ID:	TAC017
Prep Method:	3550B	Prep Batch:	580-109518	Lab File ID:	ZZ17586.D
Dilution:	1.0			Initial Weight/Volume:	10.4733 g
Analysis Date:	04/19/2012 0114			Final Weight/Volume:	10 mL
Prep Date:	04/17/2012 1633			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
#2 Diesel (C10-C24)		ND		7.4	32
Motor Oil (>C24-C36)		39	J B	12	65

Surrogate	%Rec	Qualifier	Acceptance Limits
o-Terphenyl	92		50 - 150

Analytical Data

Client: MWH Americas Inc

Job Number: 580-32287-1

Client Sample ID: IDW-01-040612

Lab Sample ID: 580-32287-16

Date Sampled: 04/06/2012 1713

Client Matrix: Solid

% Moisture: 25.4

Date Received: 04/10/2012 1525

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

Analysis Method:	NWTPH-Dx	Analysis Batch:	580-109531	Instrument ID:	TAC017
Prep Method:	3550B	Prep Batch:	580-109518	Lab File ID:	ZZ17588.D
Dilution:	1.0			Initial Weight/Volume:	10.9274 g
Analysis Date:	04/19/2012 0135			Final Weight/Volume:	10 mL
Prep Date:	04/17/2012 1633			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
#2 Diesel (C10-C24)		9.3	J	7.0	31
Motor Oil (>C24-C36)		140	B	11	61

Surrogate	%Rec	Qualifier	Acceptance Limits
o-Terphenyl	90		50 - 150

Analytical Data

Client: MWH Americas Inc

Job Number: 580-32287-1

Client Sample ID: MW-08-040612

Lab Sample ID: 580-32287-17

Date Sampled: 04/06/2012 1615

Client Matrix: Water

Date Received: 04/10/2012 1525

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

Analysis Method:	NWTPH-Dx	Analysis Batch:	580-109638	Instrument ID:	TAC017
Prep Method:	3520C	Prep Batch:	580-109428	Lab File ID:	ZZ17635.D
Dilution:	1.0			Initial Weight/Volume:	1040 mL
Analysis Date:	04/19/2012 1606			Final Weight/Volume:	5 mL
Prep Date:	04/17/2012 0840			Injection Volume:	1 uL

Analyte	Result (mg/L)	Qualifier	MDL	RL
#2 Diesel (C10-C24)	0.34	Y	0.070	0.12
Motor Oil (>C24-C36)	0.39	Y	0.046	0.24

Surrogate	%Rec	Qualifier	Acceptance Limits
o-Terphenyl	82		50 - 150

Analytical Data

Client: MWH Americas Inc

Job Number: 580-32287-1

Client Sample ID: IDW-02-040612

Lab Sample ID: 580-32287-18

Date Sampled: 04/06/2012 1717

Client Matrix: Water

Date Received: 04/10/2012 1525

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

Analysis Method:	NWTPH-Dx	Analysis Batch:	580-109638	Instrument ID:	TAC017
Prep Method:	3520C	Prep Batch:	580-109428	Lab File ID:	ZZ17637.D
Dilution:	1.0			Initial Weight/Volume:	1040 mL
Analysis Date:	04/19/2012 1628			Final Weight/Volume:	5 mL
Prep Date:	04/17/2012 0840			Injection Volume:	1 uL

Analyte	Result (mg/L)	Qualifier	MDL	RL
#2 Diesel (C10-C24)	1.6	Y	0.070	0.12
Motor Oil (>C24-C36)	2.8	Y	0.046	0.24

Surrogate	%Rec	Qualifier	Acceptance Limits
o-Terphenyl	86		50 - 150

Analytical Data

Client: MWH Americas Inc

Job Number: 580-32287-1

General Chemistry**Client Sample ID:** YK-MW-08(11.45-12.2)**Lab Sample ID:** 580-32287-1**Date Sampled:** 04/04/2012 1511**Client Matrix:** Solid**Date Received:** 04/10/2012 1525

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Solids	77		%	0.10	0.10	1.0	D 2216
	Analysis Batch: 580-109316	Analysis Date: 04/15/2012 1219					DryWt Corrected: N
Percent Moisture	23		%	0.10	0.10	1.0	D 2216
	Analysis Batch: 580-109316	Analysis Date: 04/15/2012 1219					DryWt Corrected: N

Analytical Data

Client: MWH Americas Inc

Job Number: 580-32287-1

General Chemistry**Client Sample ID:** YK-MW-08(4.2-5.0)**Lab Sample ID:** 580-32287-2**Date Sampled:** 04/04/2012 1437**Client Matrix:** Solid**Date Received:** 04/10/2012 1525

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Solids	85		%	0.10	0.10	1.0	D 2216
	Analysis Batch: 580-109316	Analysis Date: 04/15/2012 1219					DryWt Corrected: N
Percent Moisture	15		%	0.10	0.10	1.0	D 2216
	Analysis Batch: 580-109316	Analysis Date: 04/15/2012 1219					DryWt Corrected: N

Analytical Data

Client: MWH Americas Inc

Job Number: 580-32287-1

General Chemistry**Client Sample ID:** YK-SB-21(4.5-5.0)

Lab Sample ID: 580-32287-3

Date Sampled: 04/04/2012 1617

Client Matrix: Solid

Date Received: 04/10/2012 1525

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Solids	95		%	0.10	0.10	1.0	D 2216
	Analysis Batch: 580-109316	Analysis Date: 04/15/2012 1219					DryWt Corrected: N
Percent Moisture	5.5		%	0.10	0.10	1.0	D 2216
	Analysis Batch: 580-109316	Analysis Date: 04/15/2012 1219					DryWt Corrected: N

Client: MWH Americas Inc

Job Number: 580-32287-1

General Chemistry

Client Sample ID: YK-SB-21(9.8-10.0)

Lab Sample ID: 580-32287-4

Date Sampled: 04/04/2012 1639

Client Matrix: Solid

Date Received: 04/10/2012 1525

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Solids	89		%	0.10	0.10	1.0	D 2216
	Analysis Batch: 580-109316	Analysis Date: 04/15/2012 1219					DryWt Corrected: N
Percent Moisture	11		%	0.10	0.10	1.0	D 2216
	Analysis Batch: 580-109316	Analysis Date: 04/15/2012 1219					DryWt Corrected: N

Analytical Data

Client: MWH Americas Inc

Job Number: 580-32287-1

General Chemistry**Client Sample ID:** YK-SB-19(3.3-4.3)

Lab Sample ID: 580-32287-5

Date Sampled: 04/05/2012 0913

Client Matrix: Solid

Date Received: 04/10/2012 1525

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Solids	93		%	0.10	0.10	1.0	D 2216
	Analysis Batch: 580-109316	Analysis Date: 04/15/2012 1219					DryWt Corrected: N
Percent Moisture	7.4		%	0.10	0.10	1.0	D 2216
	Analysis Batch: 580-109316	Analysis Date: 04/15/2012 1219					DryWt Corrected: N

Analytical Data

Client: MWH Americas Inc

Job Number: 580-32287-1

General Chemistry**Client Sample ID:** YK-SB-19(9.0-10.0)

Lab Sample ID: 580-32287-6

Date Sampled: 04/05/2012 0929

Client Matrix: Solid

Date Received: 04/10/2012 1525

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Solids	93		%	0.10	0.10	1.0	D 2216
	Analysis Batch: 580-109316	Analysis Date: 04/15/2012 1219					DryWt Corrected: N
Percent Moisture	7.3		%	0.10	0.10	1.0	D 2216
	Analysis Batch: 580-109316	Analysis Date: 04/15/2012 1219					DryWt Corrected: N

Analytical Data

Client: MWH Americas Inc

Job Number: 580-32287-1

General Chemistry**Client Sample ID:** YK-SB-20(4.0-4.7)

Lab Sample ID: 580-32287-7

Date Sampled: 04/05/2012 1037

Client Matrix: Solid

Date Received: 04/10/2012 1525

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Solids	73		%	0.10	0.10	1.0	D 2216
	Analysis Batch: 580-109316	Analysis Date: 04/15/2012 1219					DryWt Corrected: N
Percent Moisture	27		%	0.10	0.10	1.0	D 2216
	Analysis Batch: 580-109316	Analysis Date: 04/15/2012 1219					DryWt Corrected: N

Analytical Data

Client: MWH Americas Inc

Job Number: 580-32287-1

General Chemistry**Client Sample ID:** YK-SB-20(5.2-6.5)

Lab Sample ID: 580-32287-8

Date Sampled: 04/05/2012 1059

Client Matrix: Solid

Date Received: 04/10/2012 1525

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Solids	74		%	0.10	0.10	1.0	D 2216
	Analysis Batch: 580-109316	Analysis Date: 04/15/2012 1219					DryWt Corrected: N
Percent Moisture	26		%	0.10	0.10	1.0	D 2216
	Analysis Batch: 580-109316	Analysis Date: 04/15/2012 1219					DryWt Corrected: N

Client: MWH Americas Inc

Job Number: 580-32287-1

General Chemistry

Client Sample ID: YK-SB-20(5.2-6.5)Dup

Lab Sample ID: 580-32287-9

Date Sampled: 04/05/2012 1059

Client Matrix: Solid

Date Received: 04/10/2012 1525

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Solids	75		%	0.10	0.10	1.0	D 2216
	Analysis Batch: 580-109316	Analysis Date: 04/15/2012 1219					DryWt Corrected: N
Percent Moisture	25		%	0.10	0.10	1.0	D 2216
	Analysis Batch: 580-109316	Analysis Date: 04/15/2012 1219					DryWt Corrected: N

Analytical Data

Client: MWH Americas Inc

Job Number: 580-32287-1

General Chemistry**Client Sample ID:** YK-SB-22(6.9-7.1)

Lab Sample ID: 580-32287-10

Date Sampled: 04/05/2012 1347

Client Matrix: Solid

Date Received: 04/10/2012 1525

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Solids	76		%	0.10	0.10	1.0	D 2216
	Analysis Batch: 580-109316	Analysis Date: 04/15/2012 1219					DryWt Corrected: N
Percent Moisture	24		%	0.10	0.10	1.0	D 2216
	Analysis Batch: 580-109316	Analysis Date: 04/15/2012 1219					DryWt Corrected: N

Client: MWH Americas Inc

Job Number: 580-32287-1

General Chemistry

Client Sample ID: YK-SB-22(3.0-3.3)

Lab Sample ID: 580-32287-11

Client Matrix: Solid

Date Sampled: 04/05/2012 1343

Date Received: 04/10/2012 1525

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Solids	71		%	0.10	0.10	1.0	D 2216
	Analysis Batch: 580-109316	Analysis Date: 04/15/2012 1219					DryWt Corrected: N
Percent Moisture	29		%	0.10	0.10	1.0	D 2216
	Analysis Batch: 580-109316	Analysis Date: 04/15/2012 1219					DryWt Corrected: N

Analytical Data

Client: MWH Americas Inc

Job Number: 580-32287-1

General Chemistry**Client Sample ID:** YK-SB-23(3.0-3.5)

Lab Sample ID: 580-32287-12

Date Sampled: 04/05/2012 1329

Client Matrix: Solid

Date Received: 04/10/2012 1525

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Solids	69		%	0.10	0.10	1.0	D 2216
	Analysis Batch: 580-109316	Analysis Date: 04/15/2012 1219					DryWt Corrected: N
Percent Moisture	31		%	0.10	0.10	1.0	D 2216
	Analysis Batch: 580-109316	Analysis Date: 04/15/2012 1219					DryWt Corrected: N

Client: MWH Americas Inc

Job Number: 580-32287-1

General Chemistry

Client Sample ID: YK-SB-23(6.5-7.0)

Lab Sample ID: 580-32287-13

Date Sampled: 04/05/2012 1335

Client Matrix: Solid

Date Received: 04/10/2012 1525

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Solids	74		%	0.10	0.10	1.0	D 2216
	Analysis Batch: 580-109316	Analysis Date: 04/15/2012 1219					DryWt Corrected: N
Percent Moisture	26		%	0.10	0.10	1.0	D 2216
	Analysis Batch: 580-109316	Analysis Date: 04/15/2012 1219					DryWt Corrected: N

Analytical Data

Client: MWH Americas Inc

Job Number: 580-32287-1

General Chemistry**Client Sample ID:** YK-SB-24(3.0-3.3)

Lab Sample ID: 580-32287-14

Date Sampled: 04/05/2012 1407

Client Matrix: Solid

Date Received: 04/10/2012 1525

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Solids	72		%	0.10	0.10	1.0	D 2216
	Analysis Batch: 580-109316	Analysis Date: 04/15/2012 1219					DryWt Corrected: N
Percent Moisture	28		%	0.10	0.10	1.0	D 2216
	Analysis Batch: 580-109316	Analysis Date: 04/15/2012 1219					DryWt Corrected: N

Analytical Data

Client: MWH Americas Inc

Job Number: 580-32287-1

General Chemistry**Client Sample ID:** YK-SB-24(6.5-6.8)

Lab Sample ID: 580-32287-15

Date Sampled: 04/05/2012 1411

Client Matrix: Solid

Date Received: 04/10/2012 1525

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Solids	74		%	0.10	0.10	1.0	D 2216
	Analysis Batch: 580-109316	Analysis Date: 04/15/2012 1219					DryWt Corrected: N
Percent Moisture	26		%	0.10	0.10	1.0	D 2216
	Analysis Batch: 580-109316	Analysis Date: 04/15/2012 1219					DryWt Corrected: N

Analytical Data

Client: MWH Americas Inc

Job Number: 580-32287-1

General Chemistry**Client Sample ID:** IDW-01-040612

Lab Sample ID: 580-32287-16

Date Sampled: 04/06/2012 1713

Client Matrix: Solid

Date Received: 04/10/2012 1525

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Solids	75		%	0.10	0.10	1.0	D 2216
	Analysis Batch: 580-109316	Analysis Date: 04/15/2012 1219					DryWt Corrected: N
Percent Moisture	25		%	0.10	0.10	1.0	D 2216
	Analysis Batch: 580-109316	Analysis Date: 04/15/2012 1219					DryWt Corrected: N

Client: MWH Americas Inc

Job Number: 580-32287-1

Surrogate Recovery Report

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Matrix: Solid

Lab Sample ID	Client Sample ID	TCX1 %Rec	TCX2 %Rec	DCB1 %Rec	DCB2 %Rec
580-32287-1	YK-MW-08(11.45-12.2)	75	62	81	51
580-32287-2	YK-MW-08(4.2-5.0)	78	72	65	44X
580-32287-3	YK-SB-21(4.5-5.0)	72	70	69	47X
580-32287-4	YK-SB-21(9.8-10.0)	88	85	89	60
580-32287-5	YK-SB-19(3.3-4.3)	81	75	88	60
580-32287-6	YK-SB-19(9.0-10.0)	76	70	68	47X
580-32287-7	YK-SB-20(4.0-4.7)	49	44X	51	34X
580-32287-8	YK-SB-20(5.2-6.5)	45	39X	40X	27X
580-32287-9	YK-SB-20(5.2-6.5)Dup	53	50	50	34X
580-32287-10	YK-SB-22(6.9-7.1)	77	76	81	54
580-32287-11	YK-SB-22(3.0-3.3)	54	52	53	36X
580-32287-12	YK-SB-23(3.0-3.5)	23X	20X	24X	16X
580-32287-13	YK-SB-23(6.5-7.0)	75	67	74	49X
580-32287-14	YK-SB-24(3.0-3.3)	29X	24X	33X	22X
580-32287-15	YK-SB-24(6.5-6.8)	68	61	64	43X
580-32287-16	IDW-01-040612	65	61	64	43X
MB 580-109461/1-A		92	86	105	71
LCS 580-109461/3-A		85	78	101	68

Surrogate	Acceptance Limits
TCX = Tetrachloro-m-xylene	45-135
DCB = DCB Decachlorobiphenyl	50-140

Client: MWH Americas Inc

Job Number: 580-32287-1

Surrogate Recovery Report**8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography****Client Matrix: Water**

Lab Sample ID	Client Sample ID	TCX1 %Rec	TCX2 %Rec	DCB1 %Rec	DCB2 %Rec
580-32287-17	MW-08-040612	69	66	69	48
580-32287-18	IDW-02-040612	68	61	47	33X
MB 580-109093/1-A		52X	48X	43	30X
LCS 580-109093/2-A		49X	48X	41	29X
LCSD 580-109093/3-A		35X	31X	28X	19X

Surrogate	Acceptance Limits
TCX = Tetrachloro-m-xylene	60-150
DCB = DCB Decachlorobiphenyl	40-135

Quality Control Results

Client: MWH Americas Inc

Job Number: 580-32287-1

Surrogate Recovery Report

NWTPH/EPH Northwest - Extractable Petroleum Hydrocarbons (GC)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	1COD2 %Rec	OTPH1 %Rec
580-32287-4 RA2	YK-SB-21(9.8-10.0) RA2	0X	104

Surrogate	Acceptance Limits
1COD = 1-Chlorooctadecane	60-140
OTPH = o-Terphenyl	60-140

Client: MWH Americas Inc

Job Number: 580-32287-1

Surrogate Recovery Report**NWTPH/EPH Northwest - Extractable Petroleum Hydrocarbons (GC)****Client Matrix: Solid**

Lab Sample ID	Client Sample ID	OTPH1 %Rec	1COD2 %Rec
580-32287-1	YK-MW-08(11.45-12.2)	97	54X
580-32287-2	YK-MW-08(4.2-5.0)	109	48X
580-32287-2 RA	YK-MW-08(4.2-5.0) RA	110	96
580-32287-3	YK-SB-21(4.5-5.0)	97	74
580-32287-4 RA	YK-SB-21(9.8-10.0) RA	112	98
580-32287-5	YK-SB-19(3.3-4.3)	103	73
580-32287-6	YK-SB-19(9.0-10.0)	88	72
580-32287-7	YK-SB-20(4.0-4.7)	100	85
580-32287-8	YK-SB-20(5.2-6.5)	100	66
580-32287-9	YK-SB-20(5.2-6.5)Du p	106	94
580-32287-10	YK-SB-22(6.9-7.1)	100	78
580-32287-11	YK-SB-22(3.0-3.3)	94	45X
580-32287-11 RA	YK-SB-22(3.0-3.3) RA	113	99
580-32287-12	YK-SB-23(3.0-3.5)	93	34X
580-32287-12 RA	YK-SB-23(3.0-3.5) RA	107	99
580-32287-13	YK-SB-23(6.5-7.0)	100	60
580-32287-14	YK-SB-24(3.0-3.3)	95	25X
580-32287-14 RA	YK-SB-24(3.0-3.3) RA	100	95
580-32287-15	YK-SB-24(6.5-6.8)	94	87
580-32287-16	IDW-01-040612	102	87
MB 580-109384/1-B		95	65
LCS 580-109384/2-B		100	90
580-32287-1 MS	YK-MW-08(11.45-12.2) MS	101	56X
580-32287-1 MSD	YK-MW-08(11.45-12.2) MSD	99	35X

Surrogate	Acceptance Limits
OTPH = o-Terphenyl	60-140
1COD = 1-Chlorooctadecane	60-140

Client: MWH Americas Inc

Job Number: 580-32287-1

Surrogate Recovery Report**NWTPH/EPH Northwest - Extractable Petroleum Hydrocarbons (GC)****Client Matrix: Water**

Lab Sample ID	Client Sample ID	OTPH1	1COD2
		%Rec	%Rec
580-32287-17	MW-08-040612	99	83
580-32287-18	IDW-02-040612	90	33X
580-32287-18 RA	IDW-02-040612 RA	104	100
MB 580-109254/1-B		100	99
LCS 580-109254/4-B		98	78
LCS 580-109254/4-C RA		98	92
LCSD 580-109254/5-B		97	44X
LCSD 580-109254/5-C RA		105	93

Surrogate	Acceptance Limits
OTPH = o-Terphenyl	60-140
1COD = 1-Chlorooctadecane	60-140

Client: MWH Americas Inc

Job Number: 580-32287-1

Surrogate Recovery Report**NWTPH-Dx Northwest - Semi-Volatile Petroleum Products (GC)****Client Matrix: Solid**

Lab Sample ID	Client Sample ID	OTPH %Rec
580-32287-1	YK-MW-08(11.45-12.2)	94
580-32287-2	YK-MW-08(4.2-5.0)	91
580-32287-3	YK-SB-21(4.5-5.0)	93
580-32287-4	YK-SB-21(9.8-10.0)	92
580-32287-5	YK-SB-19(3.3-4.3)	91
580-32287-6	YK-SB-19(9.0-10.0)	89
580-32287-7	YK-SB-20(4.0-4.7)	92
580-32287-8	YK-SB-20(5.2-6.5)	84
580-32287-9	YK-SB-20(5.2-6.5)Dup	90
580-32287-10	YK-SB-22(6.9-7.1)	90
580-32287-11	YK-SB-22(3.0-3.3)	93
580-32287-12	YK-SB-23(3.0-3.5)	92
580-32287-13	YK-SB-23(6.5-7.0)	90
580-32287-14	YK-SB-24(3.0-3.3)	92
580-32287-15	YK-SB-24(6.5-6.8)	92
580-32287-16	IDW-01-040612	90
MB 580-109518/1-A		92
LCS 580-109518/2-A		93
580-32287-3 DU	YK-SB-21(4.5-5.0) DU	89
580-32287-7 DU	YK-SB-20(4.0-4.7) DU	90

Surrogate	Acceptance Limits
OTPH = o-Terphenyl	50-150

Client: MWH Americas Inc

Job Number: 580-32287-1

Surrogate Recovery Report**NWTPH-Dx Northwest - Semi-Volatile Petroleum Products (GC)****Client Matrix: Water**

Lab Sample ID	Client Sample ID	OTPH %Rec
580-32287-17	MW-08-040612	82
580-32287-18	IDW-02-040612	86
MB 580-109428/1-A		208X
LCS 580-109428/2-A		89
LCSD 580-109428/3-A		87

Surrogate	Acceptance Limits
OTPH = o-Terphenyl	50-150

Quality Control Results

Client: MWH Americas Inc

Job Number: 580-32287-1

Method Blank - Batch: 580-109093

Method: 8082 Preparation: 3510C

Lab Sample ID: MB 580-109093/1-A
Client Matrix: Water
Dilution: 1.0
Analysis Date: 04/13/2012 0937
Prep Date: 04/11/2012 1732
Leach Date: N/A

Analysis Batch: 580-109208
Prep Batch: 580-109093
Leach Batch: N/A
Units: ug/L

Instrument ID: TAC045
Lab File ID: BB001373.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 10 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	Result	Qual	MDL	RL
PCB-1016	ND		0.045	0.50
PCB-1221	ND		0.062	0.50
PCB-1232	ND		0.041	0.50
PCB-1242	ND		0.041	0.50
PCB-1248	ND		0.071	0.50
PCB-1254	ND		0.044	0.50
PCB-1260	ND		0.039	0.50

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	52 X	60 - 150
DCB Decachlorobiphenyl	43	40 - 135

Lab Control Sample/ Lab Control Sample Duplicate Recovery Report - Batch: 580-109093

Method: 8082 Preparation: 3510C

LCS Lab Sample ID: LCS 580-109093/2-A
Client Matrix: Water
Dilution: 1.0
Analysis Date: 04/13/2012 0951
Prep Date: 04/11/2012 1732
Leach Date: N/A

Analysis Batch: 580-109208
Prep Batch: 580-109093
Leach Batch: N/A
Units: ug/L

Instrument ID: TAC045
Lab File ID: BB001374.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 10 mL
Injection Volume: 1 uL
Column ID: PRIMARY

LCSD Lab Sample ID: LCSD 580-109093/3-A
Client Matrix: Water
Dilution: 1.0
Analysis Date: 04/13/2012 1004
Prep Date: 04/11/2012 1732
Leach Date: N/A

Analysis Batch: 580-109208
Prep Batch: 580-109093
Leach Batch: N/A
Units: ug/L

Instrument ID: TAC045
Lab File ID: BB001375.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 10 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
PCB-1016	67	44	25 - 145	41	27		J *
PCB-1260	64	48	30 - 145	28	22		J *
Surrogate	LCS % Rec		LCSD % Rec		Acceptance Limits		
Tetrachloro-m-xylene	49	X	35	X	60 - 150		
DCB Decachlorobiphenyl	41		28	X	40 - 135		

Quality Control Results

Client: MWH Americas Inc

Job Number: 580-32287-1

**Laboratory Control/
Laboratory Duplicate Data Report - Batch: 580-109093**

**Method: 8082
Preparation: 3510C**

LCS Lab Sample ID: LCS 580-109093/2-A Units: ug/L
Client Matrix: Water
Dilution: 1.0
Analysis Date: 04/13/2012 0951
Prep Date: 04/11/2012 1732
Leach Date: N/A

LCSD Lab Sample ID: LCSD 580-109093/3-A
Client Matrix: Water
Dilution: 1.0
Analysis Date: 04/13/2012 1004
Prep Date: 04/11/2012 1732
Leach Date: N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual	
PCB-1016	1.00	1.00	0.666	0.440	J *
PCB-1260	1.00	1.00	0.642	0.484	J *

Quality Control Results

Client: MWH Americas Inc

Job Number: 580-32287-1

Method Blank - Batch: 580-109461

Method: 8082

Preparation: 3550B

Lab Sample ID: MB 580-109461/1-A
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 04/18/2012 1303
Prep Date: 04/17/2012 1225
Leach Date: N/A

Analysis Batch: 580-109551
Prep Batch: 580-109461
Leach Batch: N/A
Units: mg/Kg

Instrument ID: TAC045
Lab File ID: BB001560.D
Initial Weight/Volume: 10 g
Final Weight/Volume: 10 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	Result	Qual	MDL	RL
PCB-1016	ND		0.0032	0.010
PCB-1221	ND		0.0080	0.011
PCB-1232	ND		0.0070	0.011
PCB-1242	ND		0.0021	0.010
PCB-1248	ND		0.0030	0.010
PCB-1254	ND		0.0021	0.010
PCB-1260	ND		0.0030	0.010

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	92	45 - 135
DCB Decachlorobiphenyl	71	50 - 140

Lab Control Sample - Batch: 580-109461

Method: 8082

Preparation: 3550B

Lab Sample ID: LCS 580-109461/3-A
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 04/18/2012 1317
Prep Date: 04/17/2012 1227
Leach Date: N/A

Analysis Batch: 580-109551
Prep Batch: 580-109461
Leach Batch: N/A
Units: mg/Kg

Instrument ID: TAC045
Lab File ID: BB001561.D
Initial Weight/Volume: 10 g
Final Weight/Volume: 10 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
PCB-1016	0.100	0.0893	89	40 - 140	
PCB-1260	0.100	0.106	106	60 - 130	

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	85	45 - 135
DCB Decachlorobiphenyl	68	50 - 140

Quality Control Results

Client: MWH Americas Inc

Job Number: 580-32287-1

Method Blank - Batch: 580-109254

Method: NWTPH/EPH

Preparation: 3520C

Lab Sample ID: MB 580-109254/1-B
 Client Matrix: Water
 Dilution: 1.0
 Analysis Date: 04/20/2012 2119
 Prep Date: 04/12/2012 1737
 Leach Date: N/A

Analysis Batch: 580-109715
 Prep Batch: 580-109254
 Leach Batch: N/A
 Units: ug/L

Instrument ID: TAC013
 Lab File ID: TF13188.D
 Initial Weight/Volume: 1000 mL
 Final Weight/Volume: 2 mL
 Injection Volume: 1 uL
 Column ID: PRIMARY

Analyte	Result	Qual	MDL	RL
C8-C10 Aliphatics	6.30	J	2.0	50
C10-C12 Aliphatics	ND		3.1	50
C12-C16 Aliphatics	1.55	J	1.5	50
C16-C21 Aliphatics	6.84	J	4.6	50
C21-C34 Aliphatics	ND		11	50
C8-C10 Aromatics	16.4	J	15	50
C10-C12 Aromatics	10.9	J	4.1	50
C12-C16 Aromatics	5.70	J	5.7	50
C16-C21 Aromatics	12.9	J	7.0	50
C21-C34 Aromatics	16.8	J	15	50
Surrogate	% Rec	Acceptance Limits		
o-Terphenyl	100	60 - 140		
1-Chlorooctadecane	99	60 - 140		

Quality Control Results

Client: MWH Americas Inc

Job Number: 580-32287-1

**Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 580-109254**

**Method: NWTPH/EPH
Preparation: 3520C**

LCS Lab Sample ID:	LCS 580-109254/4-B	Analysis Batch:	580-109715	Instrument ID:	TAC013
Client Matrix:	Water	Prep Batch:	580-109254	Lab File ID:	TF13190.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	04/20/2012 2145	Units:	ug/L	Final Weight/Volume:	2 mL
Prep Date:	04/12/2012 1737			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

LCSD Lab Sample ID:	LCSD 580-109254/5-B	Analysis Batch:	580-109715	Instrument ID:	TAC013
Client Matrix:	Water	Prep Batch:	580-109254	Lab File ID:	TF13192.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	04/20/2012 2212	Units:	ug/L	Final Weight/Volume:	2 mL
Prep Date:	04/12/2012 1737			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
C8-C10 Aromatics	74	69	50 - 150	7	25		
C10-C12 Aromatics	91	87	70 - 130	4	25		
C12-C16 Aromatics	100	99	70 - 130	1	25		
C16-C21 Aromatics	95	101	70 - 130	6	25		
C21-C34 Aromatics	89	88	70 - 130	2	25		
Surrogate	LCS % Rec		LCSD % Rec		Acceptance Limits		
o-Terphenyl	98		97		60 - 140		

Quality Control Results

Client: MWH Americas Inc

Job Number: 580-32287-1

**Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 580-109254**

**Method: NWTPH/EPH
Preparation: 3520C**

LCS Lab Sample ID:	LCS 580-109254/4-CRA	Analysis Batch:	580-110109	Instrument ID:	TAC013
Client Matrix:	Water	Prep Batch:	580-109254	Lab File ID:	TF13304.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	04/26/2012 1432	Units:	ug/L	Final Weight/Volume:	2 mL
Prep Date:	04/12/2012 1737	Run Type:	RA	Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

LCSD Lab Sample ID:	LCSD 580-109254/5-CRA	Analysis Batch:	580-110109	Instrument ID:	TAC013
Client Matrix:	Water	Prep Batch:	580-109254	Lab File ID:	TF13306.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	04/26/2012 1459	Units:	ug/L	Final Weight/Volume:	2 mL
Prep Date:	04/12/2012 1737	Run Type:	RA	Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
C8-C10 Aliphatics	52	57	50 - 150	9	25		
C10-C12 Aliphatics	83	87	70 - 130	5	25		
C12-C16 Aliphatics	93	97	70 - 130	4	25		
C16-C21 Aliphatics	98	102	70 - 130	4	25		
C21-C34 Aliphatics	97	101	70 - 130	3	25		
Surrogate	LCS % Rec		LCSD % Rec		Acceptance Limits		
1-Chlorooctadecane	92		93		60 - 140		

Quality Control Results

Client: MWH Americas Inc

Job Number: 580-32287-1

**Laboratory Control/
Laboratory Duplicate Data Report - Batch: 580-109254**

**Method: NWTPH/EPH
Preparation: 3520C**

LCS Lab Sample ID: LCS 580-109254/4-B Units: ug/L
Client Matrix: Water
Dilution: 1.0
Analysis Date: 04/20/2012 2145
Prep Date: 04/12/2012 1737
Leach Date: N/A

LCSD Lab Sample ID: LCSD 580-109254/5-B
Client Matrix: Water
Dilution: 1.0
Analysis Date: 04/20/2012 2212
Prep Date: 04/12/2012 1737
Leach Date: N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
C8-C10 Aromatics	200	200	148	137
C10-C12 Aromatics	200	200	182	174
C12-C16 Aromatics	600	600	601	594
C16-C21 Aromatics	1200	1200	1140	1210
C21-C34 Aromatics	1600	1600	1430	1400

**Laboratory Control/
Laboratory Duplicate Data Report - Batch: 580-109254**

**Method: NWTPH/EPH
Preparation: 3520C**

LCS Lab Sample ID: LCS 580-109254/4-CRA Units: ug/L
Client Matrix: Water
Dilution: 1.0
Analysis Date: 04/26/2012 1432
Prep Date: 04/12/2012 1737
Leach Date: N/A
Run Type: RA

LCSD Lab Sample ID: LCSD 580-109254/5-CRA
Client Matrix: Water
Dilution: 1.0
Analysis Date: 04/26/2012 1459
Prep Date: 04/12/2012 1737
Leach Date: N/A
Run Type: RA

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
C8-C10 Aliphatics	600	600	313	342
C10-C12 Aliphatics	200	200	165	173
C12-C16 Aliphatics	400	400	370	386
C16-C21 Aliphatics	600	600	590	612
C21-C34 Aliphatics	1200	1200	1170	1210

Quality Control Results

Client: MWH Americas Inc

Job Number: 580-32287-1

Method Blank - Batch: 580-109384

Method: NWTPH/EPH
Preparation: 3550B

Lab Sample ID: MB 580-109384/1-B
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 04/20/2012 1033
Prep Date: 04/16/2012 1312
Leach Date: N/A

Analysis Batch: 580-109715
Prep Batch: 580-109384
Leach Batch: N/A
Units: mg/Kg

Instrument ID: TAC013
Lab File ID: TF13142.D
Initial Weight/Volume: 30 g
Final Weight/Volume: 2 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	Result	Qual	MDL	RL
C8-C10 Aliphatics	ND		0.027	5.0
C10-C12 Aliphatics	ND		0.095	5.0
C12-C16 Aliphatics	ND		1.0	5.0
C16-C21 Aliphatics	ND		1.0	5.0
C21-C34 Aliphatics	ND		1.0	5.0
C8-C10 Aromatics	ND		1.0	5.0
C10-C12 Aromatics	ND		0.072	5.0
C12-C16 Aromatics	ND		1.0	5.0
C16-C21 Aromatics	ND		1.0	5.0
C21-C34 Aromatics	ND		1.0	5.0

Surrogate	% Rec	Acceptance Limits
o-Terphenyl	95	60 - 140
1-Chlorooctadecane	65	60 - 140

Lab Control Sample - Batch: 580-109384

Method: NWTPH/EPH
Preparation: 3550B

Lab Sample ID: LCS 580-109384/2-B
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 04/20/2012 1059
Prep Date: 04/16/2012 1312
Leach Date: N/A

Analysis Batch: 580-109715
Prep Batch: 580-109384
Leach Batch: N/A
Units: mg/Kg

Instrument ID: TAC013
Lab File ID: TF13144.D
Initial Weight/Volume: 30 g
Final Weight/Volume: 2 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
C8-C10 Aliphatics	20.0	10.2	51	50 - 150	
C10-C12 Aliphatics	6.67	5.08	76	70 - 130	
C12-C16 Aliphatics	13.3	12.1	91	70 - 130	
C16-C21 Aliphatics	20.0	19.9	99	70 - 130	
C21-C34 Aliphatics	40.0	39.6	99	70 - 130	
C8-C10 Aromatics	6.67	5.59	84	50 - 150	
C10-C12 Aromatics	6.67	6.42	96	70 - 130	
C12-C16 Aromatics	20.0	19.8	99	70 - 130	
C16-C21 Aromatics	40.0	35.9	90	70 - 130	
C21-C34 Aromatics	53.3	50.9	95	70 - 130	

Surrogate	% Rec	Acceptance Limits
o-Terphenyl	100	60 - 140
1-Chlorooctadecane	90	60 - 140

Quality Control Results

Client: MWH Americas Inc

Job Number: 580-32287-1

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual

Matrix Spike/

Matrix Spike Duplicate Recovery Report - Batch: 580-109384

Method: NWTPH/EPH

Preparation: 3550B

MS Lab Sample ID:	580-32287-1	Analysis Batch:	580-109715	Instrument ID:	TAC013
Client Matrix:	Solid	Prep Batch:	580-109384	Lab File ID:	TF13148.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.0484 g
Analysis Date:	04/20/2012 1154			Final Weight/Volume:	2 mL
Prep Date:	04/16/2012 1312			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

MSD Lab Sample ID:	580-32287-1	Analysis Batch:	580-109715	Instrument ID:	TAC013
Client Matrix:	Solid	Prep Batch:	580-109384	Lab File ID:	TF13150.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.1163 g
Analysis Date:	04/20/2012 1221			Final Weight/Volume:	2 mL
Prep Date:	04/16/2012 1312			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
C8-C10 Aliphatics	44	49	50 - 150	9	25	F	F
C10-C12 Aliphatics	-52	-44	70 - 130	2	25	4	4
C12-C16 Aliphatics	49	59	70 - 130	4	25	F	F
C16-C21 Aliphatics	-72	-88	70 - 130	2	25	4	4
C21-C34 Aliphatics	-225	-242	70 - 130	1	25	4	4
C8-C10 Aromatics	72	64	50 - 150	10	25		
C10-C12 Aromatics	92	89	70 - 130	3	25		
C12-C16 Aromatics	98	95	70 - 130	2	25		
C16-C21 Aromatics	84	70	70 - 130	6	25		
C21-C34 Aromatics	115	101	70 - 130	4	25		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
o-Terphenyl	101	99	60 - 140
1-Chlorooctadecane	56	X 35	60 - 140

Quality Control Results

Client: MWH Americas Inc

Job Number: 580-32287-1

Matrix Spike/

Matrix Spike Duplicate Recovery Report - Batch: 580-109384

Method: NWTPH/EPH

Preparation: 3550B

MS Lab Sample ID: 580-32287-1 Units: mg/Kg
 Client Matrix: Solid
 Dilution: 1.0
 Analysis Date: 04/20/2012 1154
 Prep Date: 04/16/2012 1312
 Leach Date: N/A

MSD Lab Sample ID: 580-32287-1
 Client Matrix: Solid
 Dilution: 1.0
 Analysis Date: 04/20/2012 1221
 Prep Date: 04/16/2012 1312
 Leach Date: N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
C8-C10 Aliphatics	0.38	J	26.1	26.0	12.0	F	13.1	F
C10-C12 Aliphatics	48		8.69	8.67	43.7	4	44.4	4
C12-C16 Aliphatics	41		17.4	17.3	49.6	F	51.5	F
C16-C21 Aliphatics	280		26.1	26.0	263	4	259	4
C21-C34 Aliphatics	950		52.2	52.0	829	4	821	4
C8-C10 Aromatics	1.4	J	8.69	8.67	7.70		6.96	
C10-C12 Aromatics	0.85	J	8.69	8.67	8.84		8.54	
C12-C16 Aromatics	9.7		26.1	26.0	35.2		34.5	
C16-C21 Aromatics	83		52.2	52.0	127		120	
C21-C34 Aromatics	160		69.5	69.4	243		233	

Quality Control Results

Client: MWH Americas Inc

Job Number: 580-32287-1

Method Blank - Batch: 580-109428

Method: NWTPH-Dx Preparation: 3520C

Lab Sample ID:	MB 580-109428/1-A	Analysis Batch:	580-109638	Instrument ID:	TAC017
Client Matrix:	Water	Prep Batch:	580-109428	Lab File ID:	ZZ17629.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	04/19/2012 1500	Units:	mg/L	Final Weight/Volume:	5 mL
Prep Date:	04/17/2012 0839			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
#2 Diesel (C10-C24)	ND		0.073	0.13
Motor Oil (>C24-C36)	ND		0.048	0.25

Surrogate	% Rec	Acceptance Limits
o-Terphenyl	208 X	50 - 150

Lab Control Sample/

Lab Control Sample Duplicate Recovery Report - Batch: 580-109428

Method: NWTPH-Dx Preparation: 3520C

LCS Lab Sample ID:	LCS 580-109428/2-A	Analysis Batch:	580-109638	Instrument ID:	TAC017
Client Matrix:	Water	Prep Batch:	580-109428	Lab File ID:	ZZ17631.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	04/19/2012 1522	Units:	mg/L	Final Weight/Volume:	5 mL
Prep Date:	04/17/2012 0839			Injection Volume:	1 uL
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 580-109428/3-A	Analysis Batch:	580-109638	Instrument ID:	TAC017
Client Matrix:	Water	Prep Batch:	580-109428	Lab File ID:	ZZ17633.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	04/19/2012 1544	Units:	mg/L	Final Weight/Volume:	5 mL
Prep Date:	04/17/2012 0839			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
#2 Diesel (C10-C24)	98	96	70 - 140	2	27		
Motor Oil (>C24-C36)	104	103	66 - 125	1	27		
Surrogate	LCS % Rec		LCSD % Rec		Acceptance Limits		
o-Terphenyl	89		87		50 - 150		

Quality Control Results

Client: MWH Americas Inc

Job Number: 580-32287-1

**Laboratory Control/
Laboratory Duplicate Data Report - Batch: 580-109428**

**Method: NWTPH-Dx
Preparation: 3520C**

LCS Lab Sample ID: LCS 580-109428/2-A Units: mg/L
Client Matrix: Water
Dilution: 1.0
Analysis Date: 04/19/2012 1522
Prep Date: 04/17/2012 0839
Leach Date: N/A

LCSD Lab Sample ID: LCSD 580-109428/3-A
Client Matrix: Water
Dilution: 1.0
Analysis Date: 04/19/2012 1544
Prep Date: 04/17/2012 0839
Leach Date: N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
#2 Diesel (C10-C24)	5.00	5.00	4.89	4.78
Motor Oil (>C24-C36)	5.00	5.00	5.18	5.16

Quality Control Results

Client: MWH Americas Inc

Job Number: 580-32287-1

Method Blank - Batch: 580-109518

Method: NWTPH-Dx Preparation: 3550B

Lab Sample ID: MB 580-109518/1-A
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 04/18/2012 1846
Prep Date: 04/17/2012 1632
Leach Date: N/A

Analysis Batch: 580-109531
Prep Batch: 580-109518
Leach Batch: N/A
Units: mg/Kg

Instrument ID: TAC017
Lab File ID: ZZ17550.D
Initial Weight/Volume: 10 g
Final Weight/Volume: 10 mL
Injection Volume: 1 uL

Analyte	Result	Qual	MDL	RL
#2 Diesel (C10-C24)	ND		5.7	25
Motor Oil (>C24-C36)	29.7	J	9.1	50
Surrogate	% Rec	Acceptance Limits		
o-Terphenyl	92	50 - 150		

Lab Control Sample - Batch: 580-109518

Method: NWTPH-Dx Preparation: 3550B

Lab Sample ID: LCS 580-109518/2-A
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 04/18/2012 1908
Prep Date: 04/17/2012 1632
Leach Date: N/A

Analysis Batch: 580-109531
Prep Batch: 580-109518
Leach Batch: N/A
Units: mg/Kg

Instrument ID: TAC017
Lab File ID: ZZ17552.D
Initial Weight/Volume: 10 g
Final Weight/Volume: 10 mL
Injection Volume: 1 uL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
#2 Diesel (C10-C24)	500	489	98	70 - 125	
Motor Oil (>C24-C36)	500	521	104	64 - 127	
Surrogate	% Rec	Acceptance Limits			
o-Terphenyl	93	50 - 150			

Quality Control Results

Client: MWH Americas Inc

Job Number: 580-32287-1

Duplicate - Batch: 580-109518

Method: NWTPH-Dx Preparation: 3550B

Lab Sample ID:	580-32287-3	Analysis Batch:	580-109531	Instrument ID:	TAC017
Client Matrix:	Solid	Prep Batch:	580-109518	Lab File ID:	ZZ17590.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10.2427 g
Analysis Date:	04/19/2012 0156	Units:	mg/Kg	Final Weight/Volume:	10 mL
Prep Date:	04/17/2012 1633			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
#2 Diesel (C10-C24)	11	J	8.54	22.0	35	J
Motor Oil (>C24-C36)	170		152	11.0	35	
Surrogate	% Rec		Acceptance Limits			
o-Terphenyl	89		50 - 150			

Duplicate - Batch: 580-109518

Method: NWTPH-Dx Preparation: 3550B

Lab Sample ID:	580-32287-7	Analysis Batch:	580-109531	Instrument ID:	TAC017
Client Matrix:	Solid	Prep Batch:	580-109518	Lab File ID:	ZZ17592.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10.2406 g
Analysis Date:	04/19/2012 0217	Units:	mg/Kg	Final Weight/Volume:	10 mL
Prep Date:	04/17/2012 1633			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
#2 Diesel (C10-C24)	ND		ND	NC	35	
Motor Oil (>C24-C36)	43	J	42.5	0.700	35	J
Surrogate	% Rec		Acceptance Limits			
o-Terphenyl	90		50 - 150			

DATA REPORTING QUALIFIERS

Client: MWH Americas Inc

Job Number: 580-32287-1

Lab Section	Qualifier	Description
GC Semi VOA	B	Compound was found in the blank and sample.
	^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC exceeds the control limits.
	F	MS or MSD exceeds the control limits
	4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
	*	RPD of the LCS and LCSD exceeds the control limits
	X	Surrogate is outside control limits
	Y	The chromatographic response resembles a typical fuel pattern.

Quality Control Results

Client: MWH Americas Inc

Job Number: 580-32287-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Prep Batch: 580-109093					
LCS 580-109093/2-A	Lab Control Sample	T	Water	3510C	
LCSD 580-109093/3-A	Lab Control Sample Duplicate	T	Water	3510C	
MB 580-109093/1-A	Method Blank	T	Water	3510C	
580-32287-17	MW-08-040612	T	Water	3510C	
580-32287-18	IDW-02-040612	T	Water	3510C	
Analysis Batch:580-109208					
LCS 580-109093/2-A	Lab Control Sample	T	Water	8082	580-109093
LCSD 580-109093/3-A	Lab Control Sample Duplicate	T	Water	8082	580-109093
MB 580-109093/1-A	Method Blank	T	Water	8082	580-109093
580-32287-17	MW-08-040612	T	Water	8082	580-109093
580-32287-18	IDW-02-040612	T	Water	8082	580-109093
Prep Batch: 580-109254					
LCS 580-109254/4-B	Lab Control Sample	T	Water	3520C	
LCS 580-109254/4-CRA	Lab Control Sample	T	Water	3520C	
LCSD 580-109254/5-B	Lab Control Sample Duplicate	T	Water	3520C	
LCSD 580-109254/5-CRA	Lab Control Sample Duplicate	T	Water	3520C	
MB 580-109254/1-B	Method Blank	T	Water	3520C	
580-32287-17	MW-08-040612	T	Water	3520C	
580-32287-18	IDW-02-040612	T	Water	3520C	
580-32287-18RA	IDW-02-040612	T	Water	3520C	

Quality Control Results

Client: MWH Americas Inc

Job Number: 580-32287-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Prep Batch: 580-109384					
LCS 580-109384/2-B	Lab Control Sample	T	Solid	3550B	
MB 580-109384/1-B	Method Blank	T	Solid	3550B	
580-32287-1	YK-MW-08(11.45-12.2)	T	Solid	3550B	
580-32287-1MS	Matrix Spike	T	Solid	3550B	
580-32287-1MSD	Matrix Spike Duplicate	T	Solid	3550B	
580-32287-2	YK-MW-08(4.2-5.0)	T	Solid	3550B	
580-32287-2RA	YK-MW-08(4.2-5.0)	T	Solid	3550B	
580-32287-3	YK-SB-21(4.5-5.0)	T	Solid	3550B	
580-32287-4RA	YK-SB-21(9.8-10.0)	T	Solid	3550B	
580-32287-4RA2	YK-SB-21(9.8-10.0)	T	Solid	3550B	
580-32287-5	YK-SB-19(3.3-4.3)	T	Solid	3550B	
580-32287-6	YK-SB-19(9.0-10.0)	T	Solid	3550B	
580-32287-7	YK-SB-20(4.0-4.7)	T	Solid	3550B	
580-32287-8	YK-SB-20(5.2-6.5)	T	Solid	3550B	
580-32287-9	YK-SB-20(5.2-6.5)Dup	T	Solid	3550B	
580-32287-10	YK-SB-22(6.9-7.1)	T	Solid	3550B	
580-32287-11	YK-SB-22(3.0-3.3)	T	Solid	3550B	
580-32287-11RA	YK-SB-22(3.0-3.3)	T	Solid	3550B	
580-32287-12	YK-SB-23(3.0-3.5)	T	Solid	3550B	
580-32287-12RA	YK-SB-23(3.0-3.5)	T	Solid	3550B	
580-32287-13	YK-SB-23(6.5-7.0)	T	Solid	3550B	
580-32287-14	YK-SB-24(3.0-3.3)	T	Solid	3550B	
580-32287-14RA	YK-SB-24(3.0-3.3)	T	Solid	3550B	
580-32287-15	YK-SB-24(6.5-6.8)	T	Solid	3550B	
580-32287-16	IDW-01-040612	T	Solid	3550B	
Prep Batch: 580-109428					
LCS 580-109428/2-A	Lab Control Sample	T	Water	3520C	
LCSD 580-109428/3-A	Lab Control Sample Duplicate	T	Water	3520C	
MB 580-109428/1-A	Method Blank	T	Water	3520C	
580-32287-17	MW-08-040612	T	Water	3520C	
580-32287-18	IDW-02-040612	T	Water	3520C	

Quality Control Results

Client: MWH Americas Inc

Job Number: 580-32287-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Prep Batch: 580-109461					
LCS 580-109461/3-A	Lab Control Sample	T	Solid	3550B	
MB 580-109461/1-A	Method Blank	T	Solid	3550B	
580-32287-1	YK-MW-08(11.45-12.2)	T	Solid	3550B	
580-32287-2	YK-MW-08(4.2-5.0)	T	Solid	3550B	
580-32287-3	YK-SB-21(4.5-5.0)	T	Solid	3550B	
580-32287-4	YK-SB-21(9.8-10.0)	T	Solid	3550B	
580-32287-5	YK-SB-19(3.3-4.3)	T	Solid	3550B	
580-32287-6	YK-SB-19(9.0-10.0)	T	Solid	3550B	
580-32287-7	YK-SB-20(4.0-4.7)	T	Solid	3550B	
580-32287-8	YK-SB-20(5.2-6.5)	T	Solid	3550B	
580-32287-9	YK-SB-20(5.2-6.5)Dup	T	Solid	3550B	
580-32287-10	YK-SB-22(6.9-7.1)	T	Solid	3550B	
580-32287-11	YK-SB-22(3.0-3.3)	T	Solid	3550B	
580-32287-12	YK-SB-23(3.0-3.5)	T	Solid	3550B	
580-32287-13	YK-SB-23(6.5-7.0)	T	Solid	3550B	
580-32287-14	YK-SB-24(3.0-3.3)	T	Solid	3550B	
580-32287-15	YK-SB-24(6.5-6.8)	T	Solid	3550B	
580-32287-16	IDW-01-040612	T	Solid	3550B	
Prep Batch: 580-109518					
LCS 580-109518/2-A	Lab Control Sample	T	Solid	3550B	
MB 580-109518/1-A	Method Blank	T	Solid	3550B	
580-32287-1	YK-MW-08(11.45-12.2)	T	Solid	3550B	
580-32287-2	YK-MW-08(4.2-5.0)	T	Solid	3550B	
580-32287-3	YK-SB-21(4.5-5.0)	T	Solid	3550B	
580-32287-3DU	Duplicate	T	Solid	3550B	
580-32287-4	YK-SB-21(9.8-10.0)	T	Solid	3550B	
580-32287-5	YK-SB-19(3.3-4.3)	T	Solid	3550B	
580-32287-6	YK-SB-19(9.0-10.0)	T	Solid	3550B	
580-32287-7	YK-SB-20(4.0-4.7)	T	Solid	3550B	
580-32287-7DU	Duplicate	T	Solid	3550B	
580-32287-8	YK-SB-20(5.2-6.5)	T	Solid	3550B	
580-32287-9	YK-SB-20(5.2-6.5)Dup	T	Solid	3550B	
580-32287-10	YK-SB-22(6.9-7.1)	T	Solid	3550B	
580-32287-11	YK-SB-22(3.0-3.3)	T	Solid	3550B	
580-32287-12	YK-SB-23(3.0-3.5)	T	Solid	3550B	
580-32287-13	YK-SB-23(6.5-7.0)	T	Solid	3550B	
580-32287-14	YK-SB-24(3.0-3.3)	T	Solid	3550B	
580-32287-15	YK-SB-24(6.5-6.8)	T	Solid	3550B	
580-32287-16	IDW-01-040612	T	Solid	3550B	

Quality Control Results

Client: MWH Americas Inc

Job Number: 580-32287-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Analysis Batch:580-109531					
LCS 580-109518/2-A	Lab Control Sample	T	Solid	NWTPH-Dx	580-109518
MB 580-109518/1-A	Method Blank	T	Solid	NWTPH-Dx	580-109518
580-32287-1	YK-MW-08(11.45-12.2)	T	Solid	NWTPH-Dx	580-109518
580-32287-2	YK-MW-08(4.2-5.0)	T	Solid	NWTPH-Dx	580-109518
580-32287-3	YK-SB-21(4.5-5.0)	T	Solid	NWTPH-Dx	580-109518
580-32287-3DU	Duplicate	T	Solid	NWTPH-Dx	580-109518
580-32287-4	YK-SB-21(9.8-10.0)	T	Solid	NWTPH-Dx	580-109518
580-32287-5	YK-SB-19(3.3-4.3)	T	Solid	NWTPH-Dx	580-109518
580-32287-6	YK-SB-19(9.0-10.0)	T	Solid	NWTPH-Dx	580-109518
580-32287-7	YK-SB-20(4.0-4.7)	T	Solid	NWTPH-Dx	580-109518
580-32287-7DU	Duplicate	T	Solid	NWTPH-Dx	580-109518
580-32287-8	YK-SB-20(5.2-6.5)	T	Solid	NWTPH-Dx	580-109518
580-32287-9	YK-SB-20(5.2-6.5)Dup	T	Solid	NWTPH-Dx	580-109518
580-32287-10	YK-SB-22(6.9-7.1)	T	Solid	NWTPH-Dx	580-109518
580-32287-11	YK-SB-22(3.0-3.3)	T	Solid	NWTPH-Dx	580-109518
580-32287-12	YK-SB-23(3.0-3.5)	T	Solid	NWTPH-Dx	580-109518
580-32287-13	YK-SB-23(6.5-7.0)	T	Solid	NWTPH-Dx	580-109518
580-32287-14	YK-SB-24(3.0-3.3)	T	Solid	NWTPH-Dx	580-109518
580-32287-15	YK-SB-24(6.5-6.8)	T	Solid	NWTPH-Dx	580-109518
580-32287-16	IDW-01-040612	T	Solid	NWTPH-Dx	580-109518
Analysis Batch:580-109551					
LCS 580-109461/3-A	Lab Control Sample	T	Solid	8082	580-109461
MB 580-109461/1-A	Method Blank	T	Solid	8082	580-109461
580-32287-1	YK-MW-08(11.45-12.2)	T	Solid	8082	580-109461
580-32287-2	YK-MW-08(4.2-5.0)	T	Solid	8082	580-109461
580-32287-3	YK-SB-21(4.5-5.0)	T	Solid	8082	580-109461
580-32287-4	YK-SB-21(9.8-10.0)	T	Solid	8082	580-109461
580-32287-5	YK-SB-19(3.3-4.3)	T	Solid	8082	580-109461
580-32287-6	YK-SB-19(9.0-10.0)	T	Solid	8082	580-109461
580-32287-7	YK-SB-20(4.0-4.7)	T	Solid	8082	580-109461
580-32287-8	YK-SB-20(5.2-6.5)	T	Solid	8082	580-109461
580-32287-9	YK-SB-20(5.2-6.5)Dup	T	Solid	8082	580-109461
580-32287-10	YK-SB-22(6.9-7.1)	T	Solid	8082	580-109461
580-32287-11	YK-SB-22(3.0-3.3)	T	Solid	8082	580-109461
580-32287-12	YK-SB-23(3.0-3.5)	T	Solid	8082	580-109461
580-32287-13	YK-SB-23(6.5-7.0)	T	Solid	8082	580-109461
580-32287-14	YK-SB-24(3.0-3.3)	T	Solid	8082	580-109461
580-32287-15	YK-SB-24(6.5-6.8)	T	Solid	8082	580-109461
580-32287-16	IDW-01-040612	T	Solid	8082	580-109461

Quality Control Results

Client: MWH Americas Inc

Job Number: 580-32287-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Analysis Batch:580-109638					
LCS 580-109428/2-A	Lab Control Sample	T	Water	NWTPH-Dx	580-109428
LCSD 580-109428/3-A	Lab Control Sample Duplicate	T	Water	NWTPH-Dx	580-109428
MB 580-109428/1-A	Method Blank	T	Water	NWTPH-Dx	580-109428
580-32287-17	MW-08-040612	T	Water	NWTPH-Dx	580-109428
580-32287-18	IDW-02-040612	T	Water	NWTPH-Dx	580-109428
Analysis Batch:580-109715					
LCS 580-109254/4-B	Lab Control Sample	T	Water	NWTPH/EPH	580-109254
LCSD 580-109254/5-B	Lab Control Sample Duplicate	T	Water	NWTPH/EPH	580-109254
MB 580-109254/1-B	Method Blank	T	Water	NWTPH/EPH	580-109254
LCS 580-109384/2-B	Lab Control Sample	T	Solid	NWTPH/EPH	580-109384
MB 580-109384/1-B	Method Blank	T	Solid	NWTPH/EPH	580-109384
580-32287-1	YK-MW-08(11.45-12.2)	T	Solid	NWTPH/EPH	580-109384
580-32287-1MS	Matrix Spike	T	Solid	NWTPH/EPH	580-109384
580-32287-1MSD	Matrix Spike Duplicate	T	Solid	NWTPH/EPH	580-109384
580-32287-2	YK-MW-08(4.2-5.0)	T	Solid	NWTPH/EPH	580-109384
580-32287-3	YK-SB-21(4.5-5.0)	T	Solid	NWTPH/EPH	580-109384
580-32287-5	YK-SB-19(3.3-4.3)	T	Solid	NWTPH/EPH	580-109384
580-32287-6	YK-SB-19(9.0-10.0)	T	Solid	NWTPH/EPH	580-109384
580-32287-7	YK-SB-20(4.0-4.7)	T	Solid	NWTPH/EPH	580-109384
580-32287-8	YK-SB-20(5.2-6.5)	T	Solid	NWTPH/EPH	580-109384
580-32287-9	YK-SB-20(5.2-6.5)Dup	T	Solid	NWTPH/EPH	580-109384
580-32287-10	YK-SB-22(6.9-7.1)	T	Solid	NWTPH/EPH	580-109384
580-32287-11	YK-SB-22(3.0-3.3)	T	Solid	NWTPH/EPH	580-109384
580-32287-12	YK-SB-23(3.0-3.5)	T	Solid	NWTPH/EPH	580-109384
580-32287-13	YK-SB-23(6.5-7.0)	T	Solid	NWTPH/EPH	580-109384
580-32287-14	YK-SB-24(3.0-3.3)	T	Solid	NWTPH/EPH	580-109384
580-32287-15	YK-SB-24(6.5-6.8)	T	Solid	NWTPH/EPH	580-109384
580-32287-16	IDW-01-040612	T	Solid	NWTPH/EPH	580-109384
580-32287-17	MW-08-040612	T	Water	NWTPH/EPH	580-109254
580-32287-18	IDW-02-040612	T	Water	NWTPH/EPH	580-109254
Analysis Batch:580-110109					
LCS 580-109254/4-CRA	Lab Control Sample	T	Water	NWTPH/EPH	580-109254
LCSD 580-109254/5-CRA	Lab Control Sample Duplicate	T	Water	NWTPH/EPH	580-109254
580-32287-2RA	YK-MW-08(4.2-5.0)	T	Solid	NWTPH/EPH	580-109384
580-32287-4RA	YK-SB-21(9.8-10.0)	T	Solid	NWTPH/EPH	580-109384
580-32287-11RA	YK-SB-22(3.0-3.3)	T	Solid	NWTPH/EPH	580-109384
580-32287-12RA	YK-SB-23(3.0-3.5)	T	Solid	NWTPH/EPH	580-109384
580-32287-14RA	YK-SB-24(3.0-3.3)	T	Solid	NWTPH/EPH	580-109384
580-32287-18RA	IDW-02-040612	T	Water	NWTPH/EPH	580-109254
Analysis Batch:580-110142					
580-32287-4RA2	YK-SB-21(9.8-10.0)	T	Solid	NWTPH/EPH	580-109384

TestAmerica Seattle

Quality Control Results

Client: MWH Americas Inc

Job Number: 580-32287-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Report Basis					
T = Total					
General Chemistry					
Analysis Batch:580-109316					
580-32287-1	YK-MW-08(11.45-12.2)	T	Solid	D 2216	
580-32287-2	YK-MW-08(4.2-5.0)	T	Solid	D 2216	
580-32287-3	YK-SB-21(4.5-5.0)	T	Solid	D 2216	
580-32287-4	YK-SB-21(9.8-10.0)	T	Solid	D 2216	
580-32287-5	YK-SB-19(3.3-4.3)	T	Solid	D 2216	
580-32287-6	YK-SB-19(9.0-10.0)	T	Solid	D 2216	
580-32287-7	YK-SB-20(4.0-4.7)	T	Solid	D 2216	
580-32287-8	YK-SB-20(5.2-6.5)	T	Solid	D 2216	
580-32287-9	YK-SB-20(5.2-6.5)Dup	T	Solid	D 2216	
580-32287-10	YK-SB-22(6.9-7.1)	T	Solid	D 2216	
580-32287-11	YK-SB-22(3.0-3.3)	T	Solid	D 2216	
580-32287-12	YK-SB-23(3.0-3.5)	T	Solid	D 2216	
580-32287-13	YK-SB-23(6.5-7.0)	T	Solid	D 2216	
580-32287-14	YK-SB-24(3.0-3.3)	T	Solid	D 2216	
580-32287-15	YK-SB-24(6.5-6.8)	T	Solid	D 2216	
580-32287-16	IDW-01-040612	T	Solid	D 2216	

Report Basis

T = Total

Quality Control Results

Client: MWH Americas Inc

Job Number: 580-32287-1

Laboratory Chronicle

Lab ID: 580-32287-1

Client ID: YK-MW-08(11.45-12.2)

Sample Date/Time: 04/04/2012 15:11

Received Date/Time: 04/10/2012 15:25

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3550B	580-32287-A-1-D		580-109551	580-109461	04/17/2012 12:27	1	TAL SEA	SP
A:8082	580-32287-A-1-D		580-109551	580-109461	04/18/2012 13:44	1	TAL SEA	EK
P:3550B	580-32287-A-1-F		580-109715	580-109384	04/16/2012 13:12	1	TAL SEA	GH
A:NWTPH/EPH	580-32287-A-1-F		580-109715	580-109384	04/20/2012 11:26	1	TAL SEA	KKW
P:3550B	580-32287-A-1-E		580-109531	580-109518	04/17/2012 16:33	1	TAL SEA	SP
A:NWTPH-Dx	580-32287-A-1-E		580-109531	580-109518	04/18/2012 19:29	1	TAL SEA	KKW
A:D 2216	580-32287-A-1		580-109316		04/15/2012 12:19	1	TAL SEA	RS

Lab ID: 580-32287-1 MS

Client ID: YK-MW-08(11.45-12.2)

Sample Date/Time: 04/04/2012 15:11

Received Date/Time: 04/10/2012 15:25

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3550B	580-32287-A-1-G MS		580-109715	580-109384	04/16/2012 13:12	1	TAL SEA	GH
A:NWTPH/EPH	580-32287-A-1-G MS		580-109715	580-109384	04/20/2012 11:54	1	TAL SEA	KKW

Lab ID: 580-32287-1 MSD

Client ID: YK-MW-08(11.45-12.2)

Sample Date/Time: 04/04/2012 15:11

Received Date/Time: 04/10/2012 15:25

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3550B	580-32287-A-1-H MSD		580-109715	580-109384	04/16/2012 13:12	1	TAL SEA	GH
A:NWTPH/EPH	580-32287-A-1-H MSD		580-109715	580-109384	04/20/2012 12:21	1	TAL SEA	KKW

Lab ID: 580-32287-2

Client ID: YK-MW-08(4.2-5.0)

Sample Date/Time: 04/04/2012 14:37

Received Date/Time: 04/10/2012 15:25

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3550B	580-32287-A-2-B		580-109551	580-109461	04/17/2012 12:27	1	TAL SEA	SP
A:8082	580-32287-A-2-B		580-109551	580-109461	04/18/2012 13:58	1	TAL SEA	EK
P:3550B	580-32287-A-2-E		580-109715	580-109384	04/16/2012 13:12	1	TAL SEA	GH
A:NWTPH/EPH	580-32287-A-2-E		580-109715	580-109384	04/20/2012 12:49	1	TAL SEA	KKW
P:3550B	580-32287-A-2-F	RA	580-110109	580-109384	04/16/2012 13:12	1	TAL SEA	GH
A:NWTPH/EPH	580-32287-A-2-F	RA	580-110109	580-109384	04/26/2012 21:49	1	TAL SEA	EK
P:3550B	580-32287-A-2-C		580-109531	580-109518	04/17/2012 16:33	1	TAL SEA	SP
A:NWTPH-Dx	580-32287-A-2-C		580-109531	580-109518	04/18/2012 19:51	1	TAL SEA	KKW
A:D 2216	580-32287-A-2		580-109316		04/15/2012 12:19	1	TAL SEA	RS

Quality Control Results

Client: MWH Americas Inc

Job Number: 580-32287-1

Laboratory Chronicle

Lab ID: 580-32287-3

Client ID: YK-SB-21(4.5-5.0)

Sample Date/Time: 04/04/2012 16:17

Received Date/Time: 04/10/2012 15:25

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3550B	580-32287-A-3-B		580-109551	580-109461	04/17/2012 12:27	1	TAL SEA	SP
A:8082	580-32287-A-3-B		580-109551	580-109461	04/18/2012 14:11	1	TAL SEA	EK
P:3550B	580-32287-A-3-E		580-109715	580-109384	04/16/2012 13:12	1	TAL SEA	GH
A:NWTPH/EPH	580-32287-A-3-E		580-109715	580-109384	04/20/2012 13:17	1	TAL SEA	KKW
P:3550B	580-32287-A-3-C		580-109531	580-109518	04/17/2012 16:33	1	TAL SEA	SP
A:NWTPH-Dx	580-32287-A-3-C		580-109531	580-109518	04/18/2012 20:13	1	TAL SEA	KKW
A:D 2216	580-32287-A-3		580-109316		04/15/2012 12:19	1	TAL SEA	RS

Lab ID: 580-32287-3 DU

Client ID: YK-SB-21(4.5-5.0)

Sample Date/Time: 04/04/2012 16:17

Received Date/Time: 04/10/2012 15:25

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3550B	580-32287-A-3-D DU		580-109531	580-109518	04/17/2012 16:33	1	TAL SEA	SP
A:NWTPH-Dx	580-32287-A-3-D DU		580-109531	580-109518	04/19/2012 01:56	1	TAL SEA	KKW

Lab ID: 580-32287-4

Client ID: YK-SB-21(9.8-10.0)

Sample Date/Time: 04/04/2012 16:39

Received Date/Time: 04/10/2012 15:25

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3550B	580-32287-A-4-B		580-109551	580-109461	04/17/2012 12:27	1	TAL SEA	SP
A:8082	580-32287-A-4-B		580-109551	580-109461	04/18/2012 14:25	1	TAL SEA	EK
P:3550B	580-32287-A-4-E	RA	580-110109	580-109384	04/16/2012 13:12	1	TAL SEA	GH
A:NWTPH/EPH	580-32287-A-4-E	RA	580-110109	580-109384	04/26/2012 22:15	1	TAL SEA	EK
P:3550B	580-32287-A-4-E	RA2	580-110142	580-109384	04/16/2012 13:12	1	TAL SEA	GH
A:NWTPH/EPH	580-32287-A-4-E	RA2	580-110142	580-109384	04/27/2012 09:54	1	TAL SEA	EK
P:3550B	580-32287-A-4-C		580-109531	580-109518	04/17/2012 16:33	1	TAL SEA	SP
A:NWTPH-Dx	580-32287-A-4-C		580-109531	580-109518	04/18/2012 20:34	1	TAL SEA	KKW
A:D 2216	580-32287-A-4		580-109316		04/15/2012 12:19	1	TAL SEA	RS

Lab ID: 580-32287-5

Client ID: YK-SB-19(3.3-4.3)

Sample Date/Time: 04/05/2012 09:13

Received Date/Time: 04/10/2012 15:25

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3550B	580-32287-A-5-B		580-109551	580-109461	04/17/2012 12:27	1	TAL SEA	SP
A:8082	580-32287-A-5-B		580-109551	580-109461	04/18/2012 14:38	1	TAL SEA	EK
P:3550B	580-32287-A-5-D		580-109715	580-109384	04/16/2012 13:12	1	TAL SEA	GH
A:NWTPH/EPH	580-32287-A-5-D		580-109715	580-109384	04/20/2012 14:13	1	TAL SEA	KKW
P:3550B	580-32287-A-5-C		580-109531	580-109518	04/17/2012 16:33	1	TAL SEA	SP
A:NWTPH-Dx	580-32287-A-5-C		580-109531	580-109518	04/18/2012 20:56	1	TAL SEA	KKW
A:D 2216	580-32287-A-5		580-109316		04/15/2012 12:19	1	TAL SEA	RS

Quality Control Results

Client: MWH Americas Inc

Job Number: 580-32287-1

Laboratory Chronicle

Lab ID: 580-32287-6

Client ID: YK-SB-19(9.0-10.0)

Sample Date/Time: 04/05/2012 09:29

Received Date/Time: 04/10/2012 15:25

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3550B	580-32287-A-6-B		580-109551	580-109461	04/17/2012 12:27	1	TAL SEA	SP
A:8082	580-32287-A-6-B		580-109551	580-109461	04/18/2012 14:52	1	TAL SEA	EK
P:3550B	580-32287-A-6-D		580-109715	580-109384	04/16/2012 13:12	1	TAL SEA	GH
A:NWTPH/EPH	580-32287-A-6-D		580-109715	580-109384	04/20/2012 14:42	1	TAL SEA	KKW
P:3550B	580-32287-A-6-C		580-109531	580-109518	04/17/2012 16:33	1	TAL SEA	SP
A:NWTPH-Dx	580-32287-A-6-C		580-109531	580-109518	04/18/2012 21:18	1	TAL SEA	KKW
A:D 2216	580-32287-A-6		580-109316		04/15/2012 12:19	1	TAL SEA	RS

Lab ID: 580-32287-7

Client ID: YK-SB-20(4.0-4.7)

Sample Date/Time: 04/05/2012 10:37

Received Date/Time: 04/10/2012 15:25

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3550B	580-32287-A-7-B		580-109551	580-109461	04/17/2012 12:27	1	TAL SEA	SP
A:8082	580-32287-A-7-B		580-109551	580-109461	04/18/2012 15:06	1	TAL SEA	EK
P:3550B	580-32287-A-7-E		580-109715	580-109384	04/16/2012 13:12	1	TAL SEA	GH
A:NWTPH/EPH	580-32287-A-7-E		580-109715	580-109384	04/20/2012 16:11	1	TAL SEA	KKW
P:3550B	580-32287-A-7-C		580-109531	580-109518	04/17/2012 16:33	1	TAL SEA	SP
A:NWTPH-Dx	580-32287-A-7-C		580-109531	580-109518	04/18/2012 21:39	1	TAL SEA	KKW
A:D 2216	580-32287-A-7		580-109316		04/15/2012 12:19	1	TAL SEA	RS

Lab ID: 580-32287-7 DU

Client ID: YK-SB-20(4.0-4.7)

Sample Date/Time: 04/05/2012 10:37

Received Date/Time: 04/10/2012 15:25

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3550B	580-32287-A-7-D DU		580-109531	580-109518	04/17/2012 16:33	1	TAL SEA	SP
A:NWTPH-Dx	580-32287-A-7-D DU		580-109531	580-109518	04/19/2012 02:17	1	TAL SEA	KKW

Lab ID: 580-32287-8

Client ID: YK-SB-20(5.2-6.5)

Sample Date/Time: 04/05/2012 10:59

Received Date/Time: 04/10/2012 15:25

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3550B	580-32287-A-8-B		580-109551	580-109461	04/17/2012 12:27	1	TAL SEA	SP
A:8082	580-32287-A-8-B		580-109551	580-109461	04/18/2012 15:47	1	TAL SEA	EK
P:3550B	580-32287-A-8-D		580-109715	580-109384	04/16/2012 13:12	1	TAL SEA	GH
A:NWTPH/EPH	580-32287-A-8-D		580-109715	580-109384	04/20/2012 16:41	1	TAL SEA	KKW
P:3550B	580-32287-A-8-C		580-109531	580-109518	04/17/2012 16:33	1	TAL SEA	SP
A:NWTPH-Dx	580-32287-A-8-C		580-109531	580-109518	04/18/2012 22:01	1	TAL SEA	KKW
A:D 2216	580-32287-A-8		580-109316		04/15/2012 12:19	1	TAL SEA	RS

Quality Control Results

Client: MWH Americas Inc

Job Number: 580-32287-1

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Lab ID: 580-32287-9

Client ID: YK-SB-20(5.2-6.5)Dup

Sample Date/Time: 04/05/2012 10:59

Received Date/Time: 04/10/2012 15:25

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3550B	580-32287-A-9-B		580-109551	580-109461	04/17/2012 12:27	1	TAL SEA	SP
A:8082	580-32287-A-9-B		580-109551	580-109461	04/18/2012 16:00	1	TAL SEA	EK
P:3550B	580-32287-A-9-D		580-109715	580-109384	04/16/2012 13:12	1	TAL SEA	GH
A:NWTPH/EPH	580-32287-A-9-D		580-109715	580-109384	04/20/2012 17:09	1	TAL SEA	KKW
P:3550B	580-32287-A-9-C		580-109531	580-109518	04/17/2012 16:33	1	TAL SEA	SP
A:NWTPH-Dx	580-32287-A-9-C		580-109531	580-109518	04/19/2012 23:06	1	TAL SEA	KKW
A:D 2216	580-32287-A-9		580-109316		04/15/2012 12:19	1	TAL SEA	RS

Lab ID: 580-32287-10

Client ID: YK-SB-22(6.9-7.1)

Sample Date/Time: 04/05/2012 13:47

Received Date/Time: 04/10/2012 15:25

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3550B	580-32287-A-10-B		580-109551	580-109461	04/17/2012 12:27	1	TAL SEA	SP
A:8082	580-32287-A-10-B		580-109551	580-109461	04/18/2012 16:14	1	TAL SEA	EK
P:3550B	580-32287-A-10-D		580-109715	580-109384	04/16/2012 13:12	1	TAL SEA	GH
A:NWTPH/EPH	580-32287-A-10-D		580-109715	580-109384	04/20/2012 17:36	1	TAL SEA	KKW
P:3550B	580-32287-A-10-C		580-109531	580-109518	04/17/2012 16:33	1	TAL SEA	SP
A:NWTPH-Dx	580-32287-A-10-C		580-109531	580-109518	04/19/2012 23:27	1	TAL SEA	KKW
A:D 2216	580-32287-A-10		580-109316		04/15/2012 12:19	1	TAL SEA	RS

Lab ID: 580-32287-11

Client ID: YK-SB-22(3.0-3.3)

Sample Date/Time: 04/05/2012 13:43

Received Date/Time: 04/10/2012 15:25

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3550B	580-32287-A-11-B		580-109551	580-109461	04/17/2012 12:27	1	TAL SEA	SP
A:8082	580-32287-A-11-B		580-109551	580-109461	04/18/2012 16:27	1	TAL SEA	EK
P:3550B	580-32287-A-11-D		580-109715	580-109384	04/16/2012 13:12	1	TAL SEA	GH
A:NWTPH/EPH	580-32287-A-11-D		580-109715	580-109384	04/20/2012 18:05	1	TAL SEA	KKW
P:3550B	580-32287-A-11-E	RA	580-110109	580-109384	04/16/2012 13:12	1	TAL SEA	GH
A:NWTPH/EPH	580-32287-A-11-E	RA	580-110109	580-109384	04/26/2012 22:41	1	TAL SEA	EK
P:3550B	580-32287-A-11-C		580-109531	580-109518	04/17/2012 16:33	1	TAL SEA	SP
A:NWTPH-Dx	580-32287-A-11-C		580-109531	580-109518	04/19/2012 23:49	1	TAL SEA	KKW
A:D 2216	580-32287-A-11		580-109316		04/15/2012 12:19	1	TAL SEA	RS

Quality Control Results

Client: MWH Americas Inc

Job Number: 580-32287-1

Laboratory Chronicle

Lab ID: 580-32287-12

Client ID: YK-SB-23(3.0-3.5)

Sample Date/Time: 04/05/2012 13:29

Received Date/Time: 04/10/2012 15:25

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3550B	580-32287-A-12-B		580-109551	580-109461	04/17/2012 12:27	1	TAL SEA	SP
A:8082	580-32287-A-12-B		580-109551	580-109461	04/18/2012 16:41	1	TAL SEA	EK
P:3550B	580-32287-A-12-E		580-109715	580-109384	04/16/2012 13:12	1	TAL SEA	GH
A:NWTPH/EPH	580-32287-A-12-E		580-109715	580-109384	04/20/2012 18:34	1	TAL SEA	KKW
P:3550B	580-32287-A-12-F	RA	580-110109	580-109384	04/16/2012 13:12	1	TAL SEA	GH
A:NWTPH/EPH	580-32287-A-12-F	RA	580-110109	580-109384	04/26/2012 23:06	1	TAL SEA	EK
P:3550B	580-32287-A-12-C		580-109531	580-109518	04/17/2012 16:33	1	TAL SEA	SP
A:NWTPH-Dx	580-32287-A-12-C		580-109531	580-109518	04/19/2012 00:10	1	TAL SEA	KKW
A:D 2216	580-32287-A-12		580-109316		04/15/2012 12:19	1	TAL SEA	RS

Lab ID: 580-32287-13

Client ID: YK-SB-23(6.5-7.0)

Sample Date/Time: 04/05/2012 13:35

Received Date/Time: 04/10/2012 15:25

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3550B	580-32287-A-13-B		580-109551	580-109461	04/17/2012 12:27	1	TAL SEA	SP
A:8082	580-32287-A-13-B		580-109551	580-109461	04/18/2012 16:56	1	TAL SEA	EK
P:3550B	580-32287-A-13-D		580-109715	580-109384	04/16/2012 13:12	1	TAL SEA	GH
A:NWTPH/EPH	580-32287-A-13-D		580-109715	580-109384	04/20/2012 19:03	1	TAL SEA	KKW
P:3550B	580-32287-A-13-C		580-109531	580-109518	04/17/2012 16:33	1	TAL SEA	SP
A:NWTPH-Dx	580-32287-A-13-C		580-109531	580-109518	04/19/2012 00:32	1	TAL SEA	KKW
A:D 2216	580-32287-A-13		580-109316		04/15/2012 12:19	1	TAL SEA	RS

Lab ID: 580-32287-14

Client ID: YK-SB-24(3.0-3.3)

Sample Date/Time: 04/05/2012 14:07

Received Date/Time: 04/10/2012 15:25

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3550B	580-32287-A-14-B		580-109551	580-109461	04/17/2012 12:27	1	TAL SEA	SP
A:8082	580-32287-A-14-B		580-109551	580-109461	04/18/2012 17:10	1	TAL SEA	EK
P:3550B	580-32287-A-14-D		580-109715	580-109384	04/16/2012 13:12	1	TAL SEA	GH
A:NWTPH/EPH	580-32287-A-14-D		580-109715	580-109384	04/20/2012 19:31	1	TAL SEA	KKW
P:3550B	580-32287-A-14-E	RA	580-110109	580-109384	04/16/2012 13:12	1	TAL SEA	GH
A:NWTPH/EPH	580-32287-A-14-E	RA	580-110109	580-109384	04/26/2012 23:32	1	TAL SEA	EK
P:3550B	580-32287-A-14-C		580-109531	580-109518	04/17/2012 16:33	1	TAL SEA	SP
A:NWTPH-Dx	580-32287-A-14-C		580-109531	580-109518	04/19/2012 00:53	1	TAL SEA	KKW
A:D 2216	580-32287-A-14		580-109316		04/15/2012 12:19	1	TAL SEA	RS

Quality Control Results

Client: MWH Americas Inc

Job Number: 580-32287-1

Laboratory Chronicle

Lab ID: 580-32287-15

Client ID: YK-SB-24(6.5-6.8)

Sample Date/Time: 04/05/2012 14:11

Received Date/Time: 04/10/2012 15:25

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3550B	580-32287-A-15-B		580-109551	580-109461	04/17/2012 12:27	1	TAL SEA	SP
A:8082	580-32287-A-15-B		580-109551	580-109461	04/18/2012 17:23	1	TAL SEA	EK
P:3550B	580-32287-A-15-D		580-109715	580-109384	04/16/2012 13:12	1	TAL SEA	GH
A:NWTPH/EPH	580-32287-A-15-D		580-109715	580-109384	04/20/2012 19:58	1	TAL SEA	KKW
P:3550B	580-32287-A-15-C		580-109531	580-109518	04/17/2012 16:33	1	TAL SEA	SP
A:NWTPH-Dx	580-32287-A-15-C		580-109531	580-109518	04/19/2012 01:14	1	TAL SEA	KKW
A:D 2216	580-32287-A-15		580-109316		04/15/2012 12:19	1	TAL SEA	RS

Lab ID: 580-32287-16

Client ID: IDW-01-040612

Sample Date/Time: 04/06/2012 17:13

Received Date/Time: 04/10/2012 15:25

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3550B	580-32287-A-16-B		580-109551	580-109461	04/17/2012 12:27	1	TAL SEA	SP
A:8082	580-32287-A-16-B		580-109551	580-109461	04/18/2012 17:37	1	TAL SEA	EK
P:3550B	580-32287-A-16-D		580-109715	580-109384	04/16/2012 13:12	1	TAL SEA	GH
A:NWTPH/EPH	580-32287-A-16-D		580-109715	580-109384	04/20/2012 20:26	1	TAL SEA	KKW
P:3550B	580-32287-A-16-C		580-109531	580-109518	04/17/2012 16:33	1	TAL SEA	SP
A:NWTPH-Dx	580-32287-A-16-C		580-109531	580-109518	04/19/2012 01:35	1	TAL SEA	KKW
A:D 2216	580-32287-A-16		580-109316		04/15/2012 12:19	1	TAL SEA	RS

Lab ID: 580-32287-17

Client ID: MW-08-040612

Sample Date/Time: 04/06/2012 16:15

Received Date/Time: 04/10/2012 15:25

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3510C	580-32287-A-17-A		580-109208	580-109093	04/12/2012 10:37	1	TAL SEA	RS
A:8082	580-32287-A-17-A		580-109208	580-109093	04/13/2012 10:32	1	TAL SEA	EK
P:3520C	580-32287-B-17-B		580-109715	580-109254	04/12/2012 17:37	1	TAL SEA	RD
A:NWTPH/EPH	580-32287-B-17-B		580-109715	580-109254	04/21/2012 00:44	1	TAL SEA	KKW
P:3520C	580-32287-C-17-A		580-109638	580-109428	04/17/2012 08:40	1	TAL SEA	RD
A:NWTPH-Dx	580-32287-C-17-A		580-109638	580-109428	04/19/2012 16:06	1	TAL SEA	KKW

Quality Control Results

Client: MWH Americas Inc

Job Number: 580-32287-1

Laboratory Chronicle

Lab ID: 580-32287-18

Client ID: IDW-02-040612

Sample Date/Time: 04/06/2012 17:17

Received Date/Time: 04/10/2012 15:25

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3510C	580-32287-A-18-A		580-109208	580-109093	04/12/2012 10:37	1	TAL SEA	RS
A:8082	580-32287-A-18-A		580-109208	580-109093	04/13/2012 10:45	1	TAL SEA	EK
P:3520C	580-32287-B-18-B		580-109715	580-109254	04/12/2012 17:37	1	TAL SEA	RD
A:NWTPH/EPH	580-32287-B-18-B		580-109715	580-109254	04/21/2012 01:09	1	TAL SEA	KKW
P:3520C	580-32287-B-18-C	RA	580-110109	580-109254	04/12/2012 17:37	1	TAL SEA	RD
A:NWTPH/EPH	580-32287-B-18-C	RA	580-110109	580-109254	04/26/2012 16:51	1	TAL SEA	EK
P:3520C	580-32287-C-18-A		580-109638	580-109428	04/17/2012 08:40	1	TAL SEA	RD
A:NWTPH-Dx	580-32287-C-18-A		580-109638	580-109428	04/19/2012 16:28	1	TAL SEA	KKW

Lab ID: MB

Client ID: N/A

Sample Date/Time: N/A

Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3510C	MB 580-109093/1-A		580-109208	580-109093	04/11/2012 17:32	1	TAL SEA	RS
A:8082	MB 580-109093/1-A		580-109208	580-109093	04/13/2012 09:37	1	TAL SEA	EK
P:3550B	MB 580-109461/1-A		580-109551	580-109461	04/17/2012 12:25	1	TAL SEA	SP
A:8082	MB 580-109461/1-A		580-109551	580-109461	04/18/2012 13:03	1	TAL SEA	EK
P:3550B	MB 580-109384/1-B		580-109715	580-109384	04/16/2012 13:12	1	TAL SEA	GH
A:NWTPH/EPH	MB 580-109384/1-B		580-109715	580-109384	04/20/2012 10:33	1	TAL SEA	KKW
P:3520C	MB 580-109254/1-B		580-109715	580-109254	04/12/2012 17:37	1	TAL SEA	RD
A:NWTPH/EPH	MB 580-109254/1-B		580-109715	580-109254	04/20/2012 21:19	1	TAL SEA	KKW
P:3550B	MB 580-109518/1-A		580-109531	580-109518	04/17/2012 16:32	1	TAL SEA	SP
A:NWTPH-Dx	MB 580-109518/1-A		580-109531	580-109518	04/18/2012 18:46	1	TAL SEA	KKW
P:3520C	MB 580-109428/1-A		580-109638	580-109428	04/17/2012 08:39	1	TAL SEA	RD
A:NWTPH-Dx	MB 580-109428/1-A		580-109638	580-109428	04/19/2012 15:00	1	TAL SEA	KKW

Quality Control Results

Client: MWH Americas Inc

Job Number: 580-32287-1

Laboratory Chronicle

Lab ID: LCS

Client ID: N/A

Sample Date/Time: N/A

Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3510C	LCS 580-109093/2-A		580-109208	580-109093	04/11/2012 17:32	1	TAL SEA	RS
A:8082	LCS 580-109093/2-A		580-109208	580-109093	04/13/2012 09:51	1	TAL SEA	EK
P:3550B	LCS 580-109461/3-A		580-109551	580-109461	04/17/2012 12:27	1	TAL SEA	SP
A:8082	LCS 580-109461/3-A		580-109551	580-109461	04/18/2012 13:17	1	TAL SEA	EK
P:3550B	LCS 580-109384/2-B		580-109715	580-109384	04/16/2012 13:12	1	TAL SEA	GH
A:NWTPH/EPH	LCS 580-109384/2-B		580-109715	580-109384	04/20/2012 10:59	1	TAL SEA	KKW
P:3520C	LCS 580-109254/4-B		580-109715	580-109254	04/12/2012 17:37	1	TAL SEA	RD
A:NWTPH/EPH	LCS 580-109254/4-B		580-109715	580-109254	04/20/2012 21:45	1	TAL SEA	KKW
P:3520C	LCS 580-109254/4-C	RA	580-110109	580-109254	04/12/2012 17:37	1	TAL SEA	RD
A:NWTPH/EPH	LCS 580-109254/4-C	RA	580-110109	580-109254	04/26/2012 14:32	1	TAL SEA	EK
P:3550B	LCS 580-109518/2-A		580-109531	580-109518	04/17/2012 16:32	1	TAL SEA	SP
A:NWTPH-Dx	LCS 580-109518/2-A		580-109531	580-109518	04/18/2012 19:08	1	TAL SEA	KKW
P:3520C	LCS 580-109428/2-A		580-109638	580-109428	04/17/2012 08:39	1	TAL SEA	RD
A:NWTPH-Dx	LCS 580-109428/2-A		580-109638	580-109428	04/19/2012 15:22	1	TAL SEA	KKW

Lab ID: LCSD

Client ID: N/A

Sample Date/Time: N/A

Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3510C	LCSD		580-109208	580-109093	04/11/2012 17:32	1	TAL SEA	RS
A:8082	580-109093/3-A LCSD		580-109208	580-109093	04/13/2012 10:04	1	TAL SEA	EK
P:3520C	580-109254/5-B LCSD		580-109715	580-109254	04/12/2012 17:37	1	TAL SEA	RD
A:NWTPH/EPH	580-109254/5-B LCSD		580-109715	580-109254	04/20/2012 22:12	1	TAL SEA	KKW
P:3520C	580-109254/5-C LCSD	RA	580-110109	580-109254	04/12/2012 17:37	1	TAL SEA	RD
A:NWTPH/EPH	580-109254/5-C LCSD	RA	580-110109	580-109254	04/26/2012 14:59	1	TAL SEA	EK
P:3520C	580-109428/3-A LCSD		580-109638	580-109428	04/17/2012 08:39	1	TAL SEA	RD
A:NWTPH-Dx	580-109428/3-A LCSD		580-109638	580-109428	04/19/2012 15:44	1	TAL SEA	KKW

Lab References:

TAL SEA = TestAmerica Seattle

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica SeattleJob No.: 580-32287-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
1660IC10_00014	01/04/13	01/26/12	Hexane, Lot K29E01	10 mL			DCB Decachlorobiphenyl	1 ug/L
							PCB-1016 Peak 1	10.021 ug/L
							PCB-1016 Peak 2	10.021 ug/L
							PCB-1016 Peak 3	10.021 ug/L
							PCB-1016 Peak 4	10.021 ug/L
							PCB-1016 Peak 5	10.021 ug/L
							PCB-1260 Peak 1	10.011 ug/L
							PCB-1260 Peak 2	10.011 ug/L
							PCB-1260 Peak 3	10.011 ug/L
							PCB-1260 Peak 4	10.011 ug/L
							PCB-1260 Peak 5	10.011 ug/L
							Tetrachloro-m-xylene	1 ug/L
1660IC100_00025	01/04/13	01/26/12	Hexane, Lot K29E01	10 mL			DCB Decachlorobiphenyl	10 ug/L
							PCB-1016 Peak 1	100.21 ug/L
							PCB-1016 Peak 2	100.21 ug/L
							PCB-1016 Peak 3	100.21 ug/L
							PCB-1016 Peak 4	100.21 ug/L
							PCB-1016 Peak 5	100.21 ug/L
							PCB-1260 Peak 1	100.11 ug/L
							PCB-1260 Peak 2	100.11 ug/L
							PCB-1260 Peak 3	100.11 ug/L
							PCB-1260 Peak 4	100.11 ug/L
							PCB-1260 Peak 5	100.11 ug/L
							Tetrachloro-m-xylene	10 ug/L
1660IC100_00026	01/04/13	03/13/12	Hexane, Lot K29E03	10 mL			DCB Decachlorobiphenyl	10 ug/L
							PCB-1016	100.21 ug/L
							PCB-1016 Peak 1	100.21 ug/L
							PCB-1016 Peak 2	100.21 ug/L
							PCB-1016 Peak 3	100.21 ug/L
							PCB-1016 Peak 4	100.21 ug/L
							PCB-1016 Peak 5	100.21 ug/L
							PCB-1260	100.11 ug/L
							PCB-1260 Peak 1	100.11 ug/L
							PCB-1260 Peak 2	100.11 ug/L
							PCB-1260 Peak 3	100.11 ug/L
							PCB-1260 Peak 4	100.11 ug/L
							PCB-1260 Peak 5	100.11 ug/L
							Tetrachloro-m-xylene	10 ug/L
1660IC1000_00008	01/04/13	01/25/12	Hexane, Lot K29E01	10 mL			DCB Decachlorobiphenyl	100 ug/L
							PCB-1016 Peak 1	1002.1 ug/L
							PCB-1016 Peak 2	1002.1 ug/L
							PCB-1016 Peak 3	1002.1 ug/L
							PCB-1016 Peak 4	1002.1 ug/L
							PCB-1016 Peak 5	1002.1 ug/L
							PCB-1260 Peak 1	1001.1 ug/L
							PCB-1260 Peak 2	1001.1 ug/L
							PCB-1260 Peak 3	1001.1 ug/L
							PCB-1260 Peak 4	1001.1 ug/L
							PCB-1260 Peak 5	1001.1 ug/L

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Seattle Job No.: 580-32287-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Tetrachloro-m-xylene	100 ug/L
1660IC20_00013	01/04/13	01/26/12	Hexane, Lot K29E01	10 mL			DCB Decachlorobiphenyl	2 ug/L
							PCB-1016 Peak 1	20.042 ug/L
							PCB-1016 Peak 2	20.042 ug/L
							PCB-1016 Peak 3	20.042 ug/L
							PCB-1016 Peak 4	20.042 ug/L
							PCB-1016 Peak 5	20.042 ug/L
							PCB-1260 Peak 1	20.022 ug/L
							PCB-1260 Peak 2	20.022 ug/L
							PCB-1260 Peak 3	20.022 ug/L
							PCB-1260 Peak 4	20.022 ug/L
							PCB-1260 Peak 5	20.022 ug/L
1660IC2000_00001	01/04/13	03/19/12	Hexane, Lot K29E03	5 mL			DCB Decachlorobiphenyl	200 ug/L
							PCB-1016 Peak 1	2004.2 ug/L
							PCB-1016 Peak 2	2004.2 ug/L
							PCB-1016 Peak 3	2004.2 ug/L
							PCB-1016 Peak 4	2004.2 ug/L
							PCB-1016 Peak 5	2004.2 ug/L
							PCB-1260 Peak 1	2002.2 ug/L
							PCB-1260 Peak 2	2002.2 ug/L
							PCB-1260 Peak 3	2002.2 ug/L
							PCB-1260 Peak 4	2002.2 ug/L
							PCB-1260 Peak 5	2002.2 ug/L
1660IC50_00013	01/04/13	01/26/12	Hexane, Lot K29E01	10 mL			DCB Decachlorobiphenyl	5 ug/L
							PCB-1016 Peak 1	50.105 ug/L
							PCB-1016 Peak 2	50.105 ug/L
							PCB-1016 Peak 3	50.105 ug/L
							PCB-1016 Peak 4	50.105 ug/L
							PCB-1016 Peak 5	50.105 ug/L
							PCB-1260 Peak 1	50.055 ug/L
							PCB-1260 Peak 2	50.055 ug/L
							PCB-1260 Peak 3	50.055 ug/L
							PCB-1260 Peak 4	50.055 ug/L
							PCB-1260 Peak 5	50.055 ug/L
1660IC500_00013	01/04/13	01/25/12	Hexane, Lot K29E01	10 mL			DCB Decachlorobiphenyl	50 ug/L
							PCB-1016 Peak 1	501.05 ug/L
							PCB-1016 Peak 2	501.05 ug/L
							PCB-1016 Peak 3	501.05 ug/L
							PCB-1016 Peak 4	501.05 ug/L
							PCB-1016 Peak 5	501.05 ug/L
							PCB-1260 Peak 1	500.55 ug/L
							PCB-1260 Peak 2	500.55 ug/L
							PCB-1260 Peak 3	500.55 ug/L
							PCB-1260 Peak 4	500.55 ug/L
							PCB-1260 Peak 5	500.55 ug/L
							Tetrachloro-m-xylene	50 ug/L

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica SeattleJob No.: 580-32287-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
1660ICVstd_00006	07/25/12	03/01/12	Hexane, Lot K29E03	10 mL			DCB Decachlorobiphenyl	10 ug/L
							PCB-1016	100 ug/L
							PCB-1016 Peak 1	100 ug/L
							PCB-1016 Peak 2	100 ug/L
							PCB-1016 Peak 3	100 ug/L
							PCB-1016 Peak 4	100 ug/L
							PCB-1016 Peak 5	100 ug/L
							PCB-1260	100 ug/L
							PCB-1260 Peak 1	100 ug/L
							PCB-1260 Peak 2	100 ug/L
							PCB-1260 Peak 3	100 ug/L
							PCB-1260 Peak 4	100 ug/L
							PCB-1260 Peak 5	100 ug/L
							Tetrachloro-m-xylene	10 ug/L
2154IC10_00010	02/08/13	02/08/12	Hexane, Lot K29E01	10 mL			PCB-1221 Peak 1	10.013 ug/L
							PCB-1221 Peak 2	10.013 ug/L
							PCB-1221 Peak 3	10.013 ug/L
							PCB-1221 Peak 4	10.013 ug/L
							PCB-1254 Peak 1	10.011 ug/L
							PCB-1254 Peak 2	10.011 ug/L
							PCB-1254 Peak 3	10.011 ug/L
							PCB-1254 Peak 4	10.011 ug/L
2154IC100_00012	02/08/13	02/08/12	Hexane, Lot K29E01	10 mL			PCB-1254 Peak 5	10.011 ug/L
							PCB-1221	100.13 ug/L
							PCB-1221 Peak 1	100.13 ug/L
							PCB-1221 Peak 2	100.13 ug/L
							PCB-1221 Peak 3	100.13 ug/L
							PCB-1221 Peak 4	100.13 ug/L
							PCB-1254	100.11 ug/L
							PCB-1254 Peak 1	100.11 ug/L
							PCB-1254 Peak 2	100.11 ug/L
							PCB-1254 Peak 3	100.11 ug/L
2154IC1000_00006	02/08/13	02/08/12	Hexane, Lot K29E01	10 mL			PCB-1254 Peak 4	100.11 ug/L
							PCB-1254 Peak 5	100.11 ug/L
							PCB-1221 Peak 1	1001.3 ug/L
							PCB-1221 Peak 2	1001.3 ug/L
							PCB-1221 Peak 3	1001.3 ug/L
							PCB-1221 Peak 4	1001.3 ug/L
							PCB-1254 Peak 1	1001.1 ug/L
							PCB-1254 Peak 2	1001.1 ug/L
							PCB-1254 Peak 3	1001.1 ug/L
2154IC20_00009	02/08/13	02/08/12	Hexane, Lot K29E01	10 mL			PCB-1254 Peak 4	1001.1 ug/L
							PCB-1254 Peak 5	1001.1 ug/L
							PCB-1221 Peak 1	20.026 ug/L
							PCB-1221 Peak 2	20.026 ug/L
							PCB-1221 Peak 3	20.026 ug/L
							PCB-1221 Peak 4	20.026 ug/L
							PCB-1254 Peak 1	20.022 ug/L
							PCB-1254 Peak 2	20.022 ug/L

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica SeattleJob No.: 580-32287-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1254 Peak 3	20.022 ug/L
							PCB-1254 Peak 4	20.022 ug/L
							PCB-1254 Peak 5	20.022 ug/L
2154IC2000_00001	02/08/13	03/19/12	Hexane, Lot K29E03	5 mL			PCB-1221 Peak 1	2002.6 ug/L
							PCB-1221 Peak 2	2002.6 ug/L
							PCB-1221 Peak 3	2002.6 ug/L
							PCB-1221 Peak 4	2002.6 ug/L
							PCB-1254 Peak 1	2002.2 ug/L
							PCB-1254 Peak 2	2002.2 ug/L
							PCB-1254 Peak 3	2002.2 ug/L
							PCB-1254 Peak 4	2002.2 ug/L
2154IC50_00009	02/08/13	02/08/12	Hexane, Lot K29E01	10 mL			PCB-1221 Peak 1	50.065 ug/L
							PCB-1221 Peak 2	50.065 ug/L
							PCB-1221 Peak 3	50.065 ug/L
							PCB-1221 Peak 4	50.065 ug/L
							PCB-1254 Peak 1	50.055 ug/L
							PCB-1254 Peak 2	50.055 ug/L
							PCB-1254 Peak 3	50.055 ug/L
							PCB-1254 Peak 4	50.055 ug/L
2154IC500_00009	02/08/13	02/08/12	Hexane, Lot K29E01	10 mL			PCB-1221 Peak 1	500.65 ug/L
							PCB-1221 Peak 2	500.65 ug/L
							PCB-1221 Peak 3	500.65 ug/L
							PCB-1221 Peak 4	500.65 ug/L
							PCB-1254 Peak 1	500.55 ug/L
							PCB-1254 Peak 2	500.55 ug/L
							PCB-1254 Peak 3	500.55 ug/L
							PCB-1254 Peak 4	500.55 ug/L
2154ICVstd_00006	09/19/12	09/19/11	Hexane, Lot J52E08	10 mL			PCB-1221	100 ug/L
							PCB-1221 Peak 1	100 ug/L
							PCB-1221 Peak 2	100 ug/L
							PCB-1221 Peak 3	100 ug/L
							PCB-1221 Peak 4	100 ug/L
							PCB-1254	100 ug/L
							PCB-1254 Peak 1	100 ug/L
							PCB-1254 Peak 2	100 ug/L
3262IC10_00012	03/19/13	03/19/12	Hexane, Lot K29E03	10 mL			PCB-1232 Peak 1	10.011 ug/L
							PCB-1232 Peak 2	10.011 ug/L
							PCB-1232 Peak 3	10.011 ug/L
							PCB-1232 Peak 4	10.011 ug/L
							PCB-1232 Peak 5	10.011 ug/L
							PCB-1262 Peak 1	10.08 ug/L
							PCB-1262 Peak 2	10.08 ug/L
							PCB-1262 Peak 3	10.08 ug/L

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica SeattleJob No.: 580-32287-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1262 Peak 4	10.08 ug/L
							PCB-1262 Peak 5	10.08 ug/L
3262IC100_00011	03/19/13	03/19/12	Hexane, Lot K29E03	10 mL			PCB-1232	100.11 ug/L
							PCB-1232 Peak 1	100.11 ug/L
							PCB-1232 Peak 2	100.11 ug/L
							PCB-1232 Peak 3	100.11 ug/L
							PCB-1232 Peak 4	100.11 ug/L
							PCB-1232 Peak 5	100.11 ug/L
							PCB-1262 Peak 1	100.8 ug/L
							PCB-1262 Peak 2	100.8 ug/L
							PCB-1262 Peak 3	100.8 ug/L
							PCB-1262 Peak 4	100.8 ug/L
							PCB-1262 Peak 5	100.8 ug/L
3262IC1000_00007	03/19/13	03/19/12	Hexane, Lot K29E03	10 mL			PCB-1232 Peak 1	1001.1 ug/L
							PCB-1232 Peak 2	1001.1 ug/L
							PCB-1232 Peak 3	1001.1 ug/L
							PCB-1232 Peak 4	1001.1 ug/L
							PCB-1232 Peak 5	1001.1 ug/L
							PCB-1262 Peak 1	1008 ug/L
							PCB-1262 Peak 2	1008 ug/L
							PCB-1262 Peak 3	1008 ug/L
3262IC20_00010	03/19/13	03/19/12	Hexane, Lot K29E03	10 mL			PCB-1262 Peak 4	1008 ug/L
							PCB-1262 Peak 5	1008 ug/L
							PCB-1232 Peak 1	20.022 ug/L
							PCB-1232 Peak 2	20.022 ug/L
							PCB-1232 Peak 3	20.022 ug/L
							PCB-1232 Peak 4	20.022 ug/L
							PCB-1232 Peak 5	20.022 ug/L
							PCB-1262 Peak 1	20.16 ug/L
3262IC50_00010	03/19/13	03/19/12	Hexane, Lot K29E03	10 mL			PCB-1262 Peak 2	20.16 ug/L
							PCB-1262 Peak 3	20.16 ug/L
							PCB-1262 Peak 4	20.16 ug/L
							PCB-1262 Peak 5	20.16 ug/L
							PCB-1232 Peak 1	50.055 ug/L
							PCB-1232 Peak 2	50.055 ug/L
							PCB-1232 Peak 3	50.055 ug/L
							PCB-1232 Peak 4	50.055 ug/L
3262IC500_00009	03/19/13	03/19/12	Hexane, Lot K29E03	10 mL			PCB-1232 Peak 5	50.055 ug/L
							PCB-1262 Peak 1	50.4 ug/L
							PCB-1262 Peak 2	50.4 ug/L
							PCB-1262 Peak 3	50.4 ug/L
							PCB-1262 Peak 4	50.4 ug/L
							PCB-1262 Peak 5	50.4 ug/L
							PCB-1232 Peak 1	500.55 ug/L
							PCB-1232 Peak 2	500.55 ug/L
							PCB-1232 Peak 3	500.55 ug/L
							PCB-1232 Peak 4	500.55 ug/L
							PCB-1232 Peak 5	500.55 ug/L
							PCB-1262 Peak 1	504 ug/L
							PCB-1262 Peak 2	504 ug/L

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica SeattleJob No.: 580-32287-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1262 Peak 2	504 ug/L
							PCB-1262 Peak 3	504 ug/L
							PCB-1262 Peak 4	504 ug/L
							PCB-1262 Peak 5	504 ug/L
32621cvstd_00010	09/19/12	09/19/11	Hexane, Lot J52E08	10 mL			PCB-1232	100 ug/L
							PCB-1232 Peak 1	100 ug/L
							PCB-1232 Peak 2	100 ug/L
							PCB-1232 Peak 3	100 ug/L
							PCB-1232 Peak 4	100 ug/L
							PCB-1232 Peak 5	100 ug/L
421C10_00011	03/19/13	03/19/12	Hexane, Lot K29E03	10 mL			PCB-1242 Peak 1	10.016 ug/L
							PCB-1242 Peak 2	10.016 ug/L
							PCB-1242 Peak 3	10.016 ug/L
							PCB-1242 Peak 4	10.016 ug/L
							PCB-1242 Peak 5	10.016 ug/L
421C100_00012	03/19/13	03/19/12	Hexane, Lot K29E03	10 mL			PCB-1242	100.16 ug/L
							PCB-1242 Peak 1	100.16 ug/L
							PCB-1242 Peak 2	100.16 ug/L
							PCB-1242 Peak 3	100.16 ug/L
							PCB-1242 Peak 4	100.16 ug/L
							PCB-1242 Peak 5	100.16 ug/L
421C1000_00007	03/19/13	03/19/12	Hexane, Lot K29E03	10 mL			PCB-1242 Peak 1	1001.6 ug/L
							PCB-1242 Peak 2	1001.6 ug/L
							PCB-1242 Peak 3	1001.6 ug/L
							PCB-1242 Peak 4	1001.6 ug/L
							PCB-1242 Peak 5	1001.6 ug/L
421C20_00010	03/19/13	03/19/12	Hexane, Lot K29E03	10 mL			PCB-1242 Peak 1	20.032 ug/L
							PCB-1242 Peak 2	20.032 ug/L
							PCB-1242 Peak 3	20.032 ug/L
							PCB-1242 Peak 4	20.032 ug/L
							PCB-1242 Peak 5	20.032 ug/L
421C50_00010	03/19/13	03/19/12	Hexane, Lot K29E03	10 mL			PCB-1242 Peak 1	50.08 ug/L
							PCB-1242 Peak 2	50.08 ug/L
							PCB-1242 Peak 3	50.08 ug/L
							PCB-1242 Peak 4	50.08 ug/L
							PCB-1242 Peak 5	50.08 ug/L
421C500_00010	03/19/13	03/19/12	Hexane, Lot K29E03	10 mL			PCB-1242 Peak 1	500.8 ug/L
							PCB-1242 Peak 2	500.8 ug/L
							PCB-1242 Peak 3	500.8 ug/L
							PCB-1242 Peak 4	500.8 ug/L
							PCB-1242 Peak 5	500.8 ug/L
421CVstd_00002	09/19/12	09/19/11	Hexane, Lot J52E08	10 mL			PCB-1242	100 ug/L
							PCB-1242 Peak 1	100 ug/L
							PCB-1242 Peak 2	100 ug/L
							PCB-1242 Peak 3	100 ug/L
							PCB-1242 Peak 4	100 ug/L
							PCB-1242 Peak 5	100 ug/L

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica SeattleJob No.: 580-32287-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
4868IC10_00010	10/26/12	10/26/11	Hexane, Lot 732210	10 mL			PCB-1248 Peak 1	10.011 ug/L
							PCB-1248 Peak 2	10.011 ug/L
							PCB-1248 Peak 3	10.011 ug/L
							PCB-1248 Peak 4	10.011 ug/L
							PCB-1248 Peak 5	10.011 ug/L
							PCB-1268 Peak 1	9.89 ug/L
							PCB-1268 Peak 2	9.89 ug/L
							PCB-1268 Peak 3	9.89 ug/L
							PCB-1268 Peak 4	9.89 ug/L
							PCB-1268 Peak 5	9.89 ug/L
4868IC100_00011	10/26/12	10/26/11	Hexane, Lot 732210	10 mL			PCB-1248	100.11 ug/L
							PCB-1248 Peak 1	100.11 ug/L
							PCB-1248 Peak 2	100.11 ug/L
							PCB-1248 Peak 3	100.11 ug/L
							PCB-1248 Peak 4	100.11 ug/L
							PCB-1248 Peak 5	100.11 ug/L
							PCB-1268 Peak 1	98.9 ug/L
							PCB-1268 Peak 2	98.9 ug/L
							PCB-1268 Peak 3	98.9 ug/L
							PCB-1268 Peak 4	98.9 ug/L
							PCB-1268 Peak 5	98.9 ug/L
4868IC1000_00005	10/26/12	10/26/11	Hexane, Lot 732210	10 mL			PCB-1248 Peak 1	1001.1 ug/L
							PCB-1248 Peak 2	1001.1 ug/L
							PCB-1248 Peak 3	1001.1 ug/L
							PCB-1248 Peak 4	1001.1 ug/L
							PCB-1248 Peak 5	1001.1 ug/L
							PCB-1268 Peak 1	989 ug/L
							PCB-1268 Peak 2	989 ug/L
							PCB-1268 Peak 3	989 ug/L
							PCB-1268 Peak 4	989 ug/L
							PCB-1268 Peak 5	989 ug/L
4868IC20_00009	10/26/12	10/26/11	Hexane, Lot 732210	10 mL			PCB-1248 Peak 1	20.022 ug/L
							PCB-1248 Peak 2	20.022 ug/L
							PCB-1248 Peak 3	20.022 ug/L
							PCB-1248 Peak 4	20.022 ug/L
							PCB-1248 Peak 5	20.022 ug/L
							PCB-1268 Peak 1	19.78 ug/L
							PCB-1268 Peak 2	19.78 ug/L
							PCB-1268 Peak 3	19.78 ug/L
							PCB-1268 Peak 4	19.78 ug/L
							PCB-1268 Peak 5	19.78 ug/L
4868IC50_00009	10/26/12	10/26/11	Hexane, Lot 732210	10 mL			PCB-1248 Peak 1	50.055 ug/L
							PCB-1248 Peak 2	50.055 ug/L
							PCB-1248 Peak 3	50.055 ug/L
							PCB-1248 Peak 4	50.055 ug/L
							PCB-1248 Peak 5	50.055 ug/L
							PCB-1268 Peak 1	49.45 ug/L
							PCB-1268 Peak 2	49.45 ug/L
							PCB-1268 Peak 3	49.45 ug/L
							PCB-1268 Peak 4	49.45 ug/L

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Seattle Job No.: 580-32287-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1268 Peak 4	49.45 ug/L
							PCB-1268 Peak 5	49.45 ug/L
4868IC500_00010	10/26/12	10/26/11	Hexane, Lot 732210	10 mL			PCB-1248 Peak 1	500.55 ug/L
							PCB-1248 Peak 2	500.55 ug/L
							PCB-1248 Peak 3	500.55 ug/L
							PCB-1248 Peak 4	500.55 ug/L
							PCB-1248 Peak 5	500.55 ug/L
							PCB-1268 Peak 1	494.5 ug/L
							PCB-1268 Peak 2	494.5 ug/L
							PCB-1268 Peak 3	494.5 ug/L
							PCB-1268 Peak 4	494.5 ug/L
							PCB-1268 Peak 5	494.5 ug/L
4868ICVStd_00006	09/19/12	09/19/11	Hexane, Lot J52E08	10 mL			PCB-1248	100 ug/L
							PCB-1248 Peak 1	100 ug/L
							PCB-1248 Peak 2	100 ug/L
							PCB-1248 Peak 3	100 ug/L
							PCB-1248 Peak 4	100 ug/L
							PCB-1248 Peak 5	100 ug/L
EPH AL ICV_00009	08/30/12	08/30/11	DCM, Lot K25J05	10 mL			1-Chlorooctadecane	50 ug/mL
							C10-C12 Aliphatics	50 ug/mL
							C12-C16 Aliphatics	50 ug/mL
							C16-C21 Aliphatics	50 ug/mL
							C21-C34 Aliphatics	50 ug/mL
							C8-C10 Aliphatics	100 ug/mL
EPH AL-IC_200_00002	07/26/12	07/26/11	DCM, Lot K19J09	10 mL			1-Chlorooctadecane	200 ug/mL
							C10-C12 Aliphatics	400 ug/mL
							C12-C16 Aliphatics	800 ug/mL
							C16-C21 Aliphatics	1400 ug/mL
							C21	200 ug/mL
							C21-C34 Aliphatics	2600 ug/mL
							C8-C10 Aliphatics	600 ug/mL
							Dodecane	200 ug/mL
							Hexadecane	200 ug/mL
							n-Decane	200 ug/mL
							n-Octane	200 ug/mL
							Tetratriacontane	200 ug/mL
EPH AL-IC_50_00001	07/26/12	07/26/11	DCM, Lot K19J09	10 mL			1-Chlorooctadecane	50 ug/mL
							C10-C12 Aliphatics	100 ug/mL
							C12-C16 Aliphatics	200 ug/mL
							C16-C21 Aliphatics	350 ug/mL
							C21	50 ug/mL
							C21-C34 Aliphatics	650 ug/mL
							C8-C10 Aliphatics	150 ug/mL
							Dodecane	50 ug/mL
							Hexadecane	50 ug/mL
							n-Decane	50 ug/mL
							n-Octane	50 ug/mL
							Tetratriacontane	50 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Seattle Job No.: 580-32287-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
EPH AL/AR SPK_00005	03/29/13	03/29/12	Acetone/DCM, Lot K30E25/K46E02	25 mL			1,2,3-Trimethylbenzene	400 ug/mL
							2-Methylnaphthalene	400 ug/mL
							Acenaphthene	400 ug/mL
							Acenaphthylene	400 ug/mL
							Anthracene	400 ug/mL
							Benzo[a]anthracene	400 ug/mL
							Benzo[a]pyrene	400 ug/mL
							Benzo[b]fluoranthene	400 ug/mL
							Benzo[g,h,i]perylene	400 ug/mL
							Benzo[k]fluoranthene	400 ug/mL
							C10-C12 Aliphatics	400 ug/mL
							C10-C12 Aromatics	400 ug/mL
							C11-C22 Aromatics	6800 ug/mL
							C12-C16 Aliphatics	800 ug/mL
							C12-C16 Aromatics	1200 ug/mL
							C16-C21 Aliphatics	1200 ug/mL
							C16-C21 Aromatics	2400 ug/mL
							C19	400 ug/mL
							C19-C36 Aliphatics	3600 ug/mL
							C21-C34 Aliphatics	2400 ug/mL
							C21-C34 Aromatics	3200 ug/mL
							C40	400 ug/mL
							C8-C10 Aliphatics	1200 ug/mL
							C8-C10 Aromatics	400 ug/mL
							C9-C18 Aliphatics	2400 ug/mL
							Chrysene	400 ug/mL
							Dibenz(a,h)anthracene	400 ug/mL
							Dodecane	400 ug/mL
							Fluoranthene	400 ug/mL
							Fluorene	400 ug/mL
							Hexadecane	400 ug/mL
							icosane	400 ug/mL
							Indeno[1,2,3-cd]pyrene	400 ug/mL
							n-Decane	400 ug/mL
							n-Docosane	400 ug/mL
							n-Hexacosane	400 ug/mL
							n-Hexatriacontane	400 ug/mL
							n-Nonane	400 ug/mL
							n-Octacosane	400 ug/mL
							n-Octadecane	400 ug/mL
							n-Octane	400 ug/mL
							n-Tetracosane	400 ug/mL
							n-Tetradecane	400 ug/mL
							Naphthalene	400 ug/mL
							Phenanthrene	400 ug/mL
							Pyrene	400 ug/mL
							Tetratriacontane	400 ug/mL
							Total EPH	12800 ug/mL
							Triacontane	400 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica SeattleJob No.: 580-32287-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
EPH AR ICV_00006	03/19/13	03/19/12	DCM, Lot K51E15	10 mL			C10-C12 Aromatics	50 ug/mL
							C12-C16 Aromatics	50 ug/mL
							C16-C21 Aromatics	50 ug/mL
							C21-C34 Aromatics	50 ug/mL
							C8-C10 Aromatics	100 ug/mL
							o-Terphenyl	50 ug/mL
EPH AR-IC_200_00002	12/19/12	12/19/11	DCM, Lot K44E41	10 mL			Acenaphthene	200 ug/mL
							Benzo[g,h,i]perylene	200 ug/mL
							C10-C12 Aromatics	200 ug/mL
							C12-C16 Aromatics	400 ug/mL
							C16-C21 Aromatics	1000 ug/mL
							C21-C34 Aromatics	1600 ug/mL
							C8-C10 Aromatics	200 ug/mL
							Naphthalene	200 ug/mL
							o-Terphenyl	200 ug/mL
							Pyrene	200 ug/mL
EPH AR-IC_200_00003	02/14/13	03/20/12	DCM, Lot K51E15	10 mL			Terphenyl-d14	100.5 ug/mL
							Toluene	200 ug/mL
							Acenaphthene	200 ug/mL
							Benzo[g,h,i]perylene	200 ug/mL
							C10-C12 Aromatics	200 ug/mL
							C12-C16 Aromatics	400 ug/mL
							C16-C21 Aromatics	1000 ug/mL
							C21-C34 Aromatics	1600 ug/mL
							C8-C10 Aromatics	200 ug/mL
							Naphthalene	200 ug/mL
EPH AR-IC_50_00002	12/19/12	12/19/11	DCM, Lot K44E41	10 mL			o-Terphenyl	200 ug/mL
							Pyrene	200 ug/mL
							Terphenyl-d14	100.5 ug/mL
							Acenaphthene	50 ug/mL
							Benzo[g,h,i]perylene	50 ug/mL
							C10-C12 Aromatics	50 ug/mL
							C12-C16 Aromatics	100 ug/mL
							C16-C21 Aromatics	250 ug/mL
							C21-C34 Aromatics	400 ug/mL
							C8-C10 Aromatics	50 ug/mL
EPH AR-IC_50_00004	02/14/13	03/20/12	DCM, Lot K51E15	10 mL			Naphthalene	50 ug/mL
							Acenaphthene	50 ug/mL
							Benzo[g,h,i]perylene	50 ug/mL
							C10-C12 Aromatics	50 ug/mL
							C12-C16 Aromatics	100 ug/mL
							C16-C21 Aromatics	250 ug/mL
							C21-C34 Aromatics	400 ug/mL
							C8-C10 Aromatics	50 ug/mL
							Terphenyl-d14	25.125 ug/mL
							Toluene	50 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Seattle Job No.: 580-32287-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							o-Terphenyl	50 ug/mL
							Pyrene	50 ug/mL
							Terphenyl-d14	25.125 ug/mL
EPH Surrogate_00019	01/31/13	03/16/12	Acetone, Lot K30E25	25 mL			1-Chlorooctadecane	2500 mg/L
							o-Terphenyl	2500 mg/L
EPHAL-IC_50_00004	03/15/13	03/15/12	DCM, Lot K51E15	10 mL			1-Chlorooctadecane	50 ug/mL
							C10-C12 Aliphatics	100 ug/mL
							C12-C16 Aliphatics	200 ug/mL
							C16-C21 Aliphatics	350 ug/mL
							C21-C34 Aliphatics	650 ug/mL
							C8-C10 Aliphatics	150 ug/mL
PCBLSSpk_00023	10/28/12	10/28/11	Acetone, Lot K25E75	100 mL			PCB-1016	10 mg/L
							PCB-1016 Peak 1	10 mg/L
							PCB-1016 Peak 2	10 mg/L
							PCB-1016 Peak 3	10 mg/L
							PCB-1016 Peak 4	10 mg/L
							PCB-1016 Peak 5	10 mg/L
							PCB-1260	10 mg/L
							PCB-1260 Peak 1	10 mg/L
							PCB-1260 Peak 2	10 mg/L
							PCB-1260 Peak 3	10 mg/L
							PCB-1260 Peak 4	10 mg/L
							PCB-1260 Peak 5	10 mg/L
Pest/PCB Surr_00019	07/25/12	07/25/11	Acetone, Lot J16E23	100 mL			DCB Decachlorobiphenyl	2 mg/L
							Tetrachloro-m-xylene	2.00018 mg/L
Pest/PCB Surr_00024	03/14/13	03/14/12	Acetone, Lot K27E46	100 mL			DCB Decachlorobiphenyl	2 mg/L
							Tetrachloro-m-xylene	2 mg/L
Pterph-surr_00008	03/26/13	03/26/12	Acetone, Lot K27E46	10 mL			Terphenyl-d14	100.5 ug/mL
TPH Spike_RZ_00013	04/30/18		Restek, Lot A080861		(Purchased Reagent)		#2 Diesel (C10-C24)	50000 ug/mL
							#2 Diesel Fuel	50000 ug/mL
							C10-C15	50000 ug/mL
							C10-C25	50000 ug/mL
							C10-C28	50000 ug/mL
							C10-C36	50000 ug/mL
							C12-C24	50000 ug/mL
							C15-C24	50000 ug/mL
							C24-C32	50000 ug/mL
							C24-C36	50000 ug/mL
							C25-C36	50000 ug/mL
							C28-C40	50000 ug/mL
							Motor Oil (>C24-C36)	50000 ug/mL
TPH Spike_RZ_00014	04/30/18		Restek, Lot A080861		(Purchased Reagent)		#2 Diesel (C10-C24)	50000 ug/mL
							#2 Diesel Fuel	50000 ug/mL
							C10-C15	50000 ug/mL
							C10-C25	50000 ug/mL
							C10-C28	50000 ug/mL
							C10-C36	50000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Seattle Job No.: 580-32287-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							C12-C24	50000 ug/mL
							C15-C24	50000 ug/mL
							C24-C32	50000 ug/mL
							C24-C36	50000 ug/mL
							C25-C36	50000 ug/mL
							C28-C40	50000 ug/mL
							Motor Oil (>C24-C36)	50000 ug/mL
TPH-IC_10000_00012	01/31/13	03/30/12	DCM, Lot K51E15	10 mL			#2 Diesel (C10-C24)	10000 mg/L
							4-Bromofluorobenzene (Surr)	393 mg/L
							C12-C24	10000 mg/L
							C24-C32	10000 mg/L
							Motor Oil (>C24-C36)	10000 mg/L
							n-Triacontane-d62	417.7 mg/L
							o-Terphenyl	406.7 mg/L
TPH-ICRT_500_00049	01/31/13	03/30/12	DCM, Lot K51E15	10 mL			#2 Diesel (C10-C24)	500 mg/L
							4-Bromofluorobenzene (Surr)	19.65 mg/L
							C12-C24	500 mg/L
							C24-C32	500 mg/L
							Motor Oil (>C24-C36)	500 mg/L
							n-Triacontane-d62	20.885 mg/L
							o-Terphenyl	20.335 mg/L
TPH-ICRT_500_00050	01/31/13	04/18/12	DCM, Lot K50E27	25 mL			#2 Diesel (C10-C24)	500 mg/L
							Motor Oil (>C24-C36)	500 mg/L
							o-Terphenyl	20.335 mg/L
TPH-ICV_500_00021	01/31/13	03/14/12	DCM, Lot K46E02	10 mL			#2 Diesel (C10-C24)	500 mg/L
							4-Bromofluorobenzene (Surr)	19.65 mg/L
							Motor Oil (>C24-C36)	500 mg/L
							n-Triacontane-d62	20.885 mg/L
							o-Terphenyl	20.335 mg/L
TPH_SURR_00010	01/31/13	03/05/12	DCM, Lot K46E02	200 mL			4-Bromofluorobenzene	1965 mg/L
							4-Bromofluorobenzene (Surr)	1965 mg/L
							n-Triacontane-d62	2088.5 mg/L
							o-Terphenyl	2033.5 mg/L

Certification Summary

Client: MWH Americas Inc
Project/Site: Yakima GE Site

TestAmerica Job ID: 580-32287-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Seattle	Alaska (UST)	State Program	10	UST-022
TestAmerica Seattle	California	NELAC	9	1115CA
TestAmerica Seattle	Florida	NELAC	4	E871074
TestAmerica Seattle	L-A-B	DoD ELAP		L2236
TestAmerica Seattle	L-A-B	ISO/IEC 17025		L2236
TestAmerica Seattle	Louisiana	NELAC	6	05016
TestAmerica Seattle	Montana (UST)	State Program	8	N/A
TestAmerica Seattle	Oregon	NELAC	10	WA100007
TestAmerica Seattle	USDA	Federal		P330-11-00222
TestAmerica Seattle	Washington	State Program	10	C553

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

Method Northwest EPH

Extractable Petroleum Hydrocarbons
by Method NWTPH

FORM II
GC SEMI VOA SURROGATE RECOVERY

Lab Name: TestAmerica Seattle Job No.: 580-32287-1

SDG No.: _____

Matrix: Solid Level: Low

GC Column (1): ZB-XLB-HT ID: 0.25 (mm) GC Column (2): ZB-1HT ID: 0.25 (mm)

Client Sample ID	Lab Sample ID	1COD2 #	OTPH1 #
YK-SB-21 (9.8-10.0) RA2	580-32287-4 RA2	0 X	104

1COD = 1-Chlorooctadecane
OTPH = o-Terphenyl

QC LIMITS
60-140
60-140

Column to be used to flag recovery values

FORM II NWTPH/EPH

FORM II
GC SEMI VOA SURROGATE RECOVERY

Lab Name: TestAmerica Seattle Job No.: 580-32287-1

SDG No.: _____

Matrix: Solid Level: Low

GC Column (1): ZB-XLB-HT ID: 0.25 (mm) GC Column (2): ZB-1HT ID: 0.25 (mm)

Client Sample ID	Lab Sample ID	OTPH1 #	1COD2 #
YK-MW-08(11.45-12.2)	580-32287-1	97	54 X
YK-MW-08(4.2-5.0)	580-32287-2	109	48 X
YK-MW-08(4.2-5.0) RA	580-32287-2 RA	110	96
YK-SB-21(4.5-5.0)	580-32287-3	97	74
YK-SB-21(9.8-10.0) RA	580-32287-4 RA	112	98
YK-SB-19(3.3-4.3)	580-32287-5	103	73
YK-SB-19(9.0-10.0)	580-32287-6	88	72
YK-SB-20(4.0-4.7)	580-32287-7	100	85
YK-SB-20(5.2-6.5)	580-32287-8	100	66
YK-SB-20(5.2-6.5) D up	580-32287-9	106	94
YK-SB-22(6.9-7.1)	580-32287-10	100	78
YK-SB-22(3.0-3.3)	580-32287-11	94	45 X
YK-SB-22(3.0-3.3) RA	580-32287-11 RA	113	99
YK-SB-23(3.0-3.5)	580-32287-12	93	34 X
YK-SB-23(3.0-3.5) RA	580-32287-12 RA	107	99
YK-SB-23(6.5-7.0)	580-32287-13	100	60
YK-SB-24(3.0-3.3)	580-32287-14	95	25 X
YK-SB-24(3.0-3.3) RA	580-32287-14 RA	100	95
YK-SB-24(6.5-6.8)	580-32287-15	94	87
IDW-01-040612	580-32287-16	102	87
	MB 580-109384/1-B	95	65
	LCS 580-109384/2-B	100	90
YK-MW-08(11.45-12.2) MS	580-32287-1 MS	101	56 X
YK-MW-08(11.45-12.2) MSD	580-32287-1 MSD	99	35 X

OTPH = o-Terphenyl
1COD = 1-Chlorooctadecane

QC LIMITS
60-140
60-140

Column to be used to flag recovery values

FORM II NWTPH/EPH

FORM II
GC SEMI VOA SURROGATE RECOVERY

Lab Name: TestAmerica Seattle Job No.: 580-32287-1

SDG No.: _____

Matrix: Water Level: Low

GC Column (1): ZB-XLB-HT ID: 0.25 (mm) GC Column (2): ZB-1HT ID: 0.25 (mm)

Client Sample ID	Lab Sample ID	OTPH1 #	1COD2 #
MW-08-040612	580-32287-17	99	83
IDW-02-040612	580-32287-18	90	33 X
IDW-02-040612 RA	580-32287-18 RA	104	100
	MB 580-109254/1-B	100	99
	LCS 580-109254/4-B	98	78
	LCS 580-109254/4-C RA	98	92
	LCSD 580-109254/5-B	97	44 X
	LCSD 580-109254/5-C RA	105	93

OTPH = o-Terphenyl
1COD = 1-Chlorooctadecane

QC LIMITS
60-140
60-140

Column to be used to flag recovery values

FORM II NWTPH/EPH

FORM III
GC SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
SDG No.: _____
Matrix: Water Level: Low Lab File ID: TF13190.D
Lab ID: LCS 580-109254/4-B Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
C8-C10 Aromatics	200	148	74	50-150	
C10-C12 Aromatics	200	182	91	70-130	
C12-C16 Aromatics	600	601	100	70-130	
C16-C21 Aromatics	1200	1140	95	70-130	
C21-C34 Aromatics	1600	1430	89	70-130	

Column to be used to flag recovery and RPD values

FORM III NWTPH/EPH

FORM III
GC SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
SDG No.: _____
Matrix: Water Level: Low Lab File ID: TF13304.D
Lab ID: LCS 580-109254/4-C RA Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
C8-C10 Aliphatics	600	313	52	50-150	
C10-C12 Aliphatics	200	165	83	70-130	
C12-C16 Aliphatics	400	370	93	70-130	
C16-C21 Aliphatics	600	590	98	70-130	
C21-C34 Aliphatics	1200	1170	97	70-130	

Column to be used to flag recovery and RPD values

FORM III
GC SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
 SDG No.: _____
 Matrix: Solid Level: Low Lab File ID: TF13144.D
 Lab ID: LCS 580-109384/2-B Client ID: _____

COMPOUND	SPIKE ADDED (mg/Kg)	LCS CONCENTRATION (mg/Kg)	LCS % REC	QC LIMITS REC	#
C8-C10 Aliphatics	20.0	10.2	51	50-150	
C10-C12 Aliphatics	6.67	5.08	76	70-130	
C12-C16 Aliphatics	13.3	12.1	91	70-130	
C16-C21 Aliphatics	20.0	19.9	99	70-130	
C21-C34 Aliphatics	40.0	39.6	99	70-130	
C8-C10 Aromatics	6.67	5.59	84	50-150	
C10-C12 Aromatics	6.67	6.42	96	70-130	
C12-C16 Aromatics	20.0	19.8	99	70-130	
C16-C21 Aromatics	40.0	35.9	90	70-130	
C21-C34 Aromatics	53.3	50.9	95	70-130	

Column to be used to flag recovery and RPD values

FORM III
GC SEMI VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: TF13192.D
 Lab ID: LCSD 580-109254/5-B Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
C8-C10 Aromatics	200	137	69	7	25	50-150	
C10-C12 Aromatics	200	174	87	4	25	70-130	
C12-C16 Aromatics	600	594	99	1	25	70-130	
C16-C21 Aromatics	1200	1210	101	6	25	70-130	
C21-C34 Aromatics	1600	1400	88	2	25	70-130	

Column to be used to flag recovery and RPD values

FORM III
GC SEMI VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: TF13306.D
 Lab ID: LCSD 580-109254/5-C RA Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
C8-C10 Aliphatics	600	342	57	9	25	50-150	
C10-C12 Aliphatics	200	173	87	5	25	70-130	
C12-C16 Aliphatics	400	386	97	4	25	70-130	
C16-C21 Aliphatics	600	612	102	4	25	70-130	
C21-C34 Aliphatics	1200	1210	101	3	25	70-130	

Column to be used to flag recovery and RPD values

FORM III
GC SEMI VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
 SDG No.: _____
 Matrix: Solid Level: Low Lab File ID: TF13148.D
 Lab ID: 580-32287-1 MS Client ID: YK-MW-08(11.45-12.2) MS

COMPOUND	SPIKE ADDED (mg/Kg)	SAMPLE CONCENTRATION (mg/Kg)	MS CONCENTRATION (mg/Kg)	MS % REC	QC LIMITS REC	#
C8-C10 Aliphatics	26.1	0.38 J	12.0	44	50-150	F
C10-C12 Aliphatics	8.69	48	43.7	-52	70-130	4
C12-C16 Aliphatics	17.4	41	49.6	49	70-130	F
C16-C21 Aliphatics	26.1	280	263	-72	70-130	4
C21-C34 Aliphatics	52.2	950	829	-225	70-130	4
C8-C10 Aromatics	8.69	1.4 J	7.70	72	50-150	
C10-C12 Aromatics	8.69	0.85 J	8.84	92	70-130	
C12-C16 Aromatics	26.1	9.7	35.2	98	70-130	
C16-C21 Aromatics	52.2	83	127	84	70-130	
C21-C34 Aromatics	69.5	160	243	115	70-130	

Column to be used to flag recovery and RPD values

FORM III
GC SEMI VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
 SDG No.: _____
 Matrix: Solid Level: Low Lab File ID: TF13150.D
 Lab ID: 580-32287-1 MSD Client ID: YK-MW-08(11.45-12.2) MSD

COMPOUND	SPIKE ADDED (mg/Kg)	MSD CONCENTRATION (mg/Kg)	MSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
C8-C10 Aliphatics	26.0	13.1	49	9	25	50-150	F
C10-C12 Aliphatics	8.67	44.4	-44	2	25	70-130	4
C12-C16 Aliphatics	17.3	51.5	59	4	25	70-130	F
C16-C21 Aliphatics	26.0	259	-88	2	25	70-130	4
C21-C34 Aliphatics	52.0	821	-242	1	25	70-130	4
C8-C10 Aromatics	8.67	6.96	64	10	25	50-150	
C10-C12 Aromatics	8.67	8.54	89	3	25	70-130	
C12-C16 Aromatics	26.0	34.5	95	2	25	70-130	
C16-C21 Aromatics	52.0	120	70	6	25	70-130	
C21-C34 Aromatics	69.4	233	101	4	25	70-130	

Column to be used to flag recovery and RPD values

FORM IV
GC SEMI VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
SDG No.: _____
Lab Sample ID: MB 580-109254/1-B
Matrix: Water Date Extracted: 04/12/2012 17:37
Lab File ID: (1) TF13188.D Lab File ID: (2) TF13188.D
Date Analyzed: (1) 04/20/2012 21:19 Date Analyzed: (2) 04/20/2012 21:19
Instrument ID: (1) TAC013 Instrument ID: (2) TAC013
GC Column: (1) ZB-XLB-HT ID: 0.25 (mm) GC Column: (2) ZB-1HT ID: 0.25 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	DATE		DATE	
		ANALYZED 1		ANALYZED 2	
	LCS 580-109254/4-B	04/20/2012	21:45	04/20/2012	21:45
	LCSD 580-109254/5-B	04/20/2012	22:12	04/20/2012	22:12
MW-08-040612	580-32287-17	04/21/2012	00:44	04/21/2012	00:44
IDW-02-040612	580-32287-18	04/21/2012	01:09	04/21/2012	01:09
	LCS 580-109254/4-C RA	04/26/2012	14:32	04/26/2012	14:32
	LCSD 580-109254/5-C RA	04/26/2012	14:59	04/26/2012	14:59
IDW-02-040612 RA	580-32287-18 RA	04/26/2012	16:51	04/26/2012	16:51

FORM IV
GC SEMI VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
 SDG No.: _____
 Lab Sample ID: MB 580-109384/1-B
 Matrix: Solid Date Extracted: 04/16/2012 13:12
 Lab File ID: (1) TF13142.D Lab File ID: (2) TF13142.D
 Date Analyzed: (1) 04/20/2012 10:33 Date Analyzed: (2) 04/20/2012 10:33
 Instrument ID: (1) TAC013 Instrument ID: (2) TAC013
 GC Column: (1) ZB-XLB-HT ID: 0.25 (mm) GC Column: (2) ZB-1HT ID: 0.25 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
	LCS 580-109384/2-B	04/20/2012 10:59	04/20/2012 10:59
YK-MW-08 (11.45-12.2)	580-32287-1	04/20/2012 11:26	04/20/2012 11:26
YK-MW-08 (11.45-12.2) MS	580-32287-1 MS	04/20/2012 11:54	04/20/2012 11:54
YK-MW-08 (11.45-12.2) MSD	580-32287-1 MSD	04/20/2012 12:21	04/20/2012 12:21
YK-MW-08 (4.2-5.0)	580-32287-2	04/20/2012 12:49	04/20/2012 12:49
YK-SB-21 (4.5-5.0)	580-32287-3	04/20/2012 13:17	04/20/2012 13:17
YK-SB-19 (3.3-4.3)	580-32287-5	04/20/2012 14:13	04/20/2012 14:13
YK-SB-19 (9.0-10.0)	580-32287-6	04/20/2012 14:42	04/20/2012 14:42
YK-SB-20 (4.0-4.7)	580-32287-7	04/20/2012 16:11	04/20/2012 16:11
YK-SB-20 (5.2-6.5)	580-32287-8	04/20/2012 16:41	04/20/2012 16:41
YK-SB-20 (5.2-6.5) Dup	580-32287-9	04/20/2012 17:09	04/20/2012 17:09
YK-SB-22 (6.9-7.1)	580-32287-10	04/20/2012 17:36	04/20/2012 17:36
YK-SB-22 (3.0-3.3)	580-32287-11	04/20/2012 18:05	04/20/2012 18:05
YK-SB-23 (3.0-3.5)	580-32287-12	04/20/2012 18:34	04/20/2012 18:34
YK-SB-23 (6.5-7.0)	580-32287-13	04/20/2012 19:03	04/20/2012 19:03
YK-SB-24 (3.0-3.3)	580-32287-14	04/20/2012 19:31	04/20/2012 19:31
YK-SB-24 (6.5-6.8)	580-32287-15	04/20/2012 19:58	04/20/2012 19:58
IDW-01-040612	580-32287-16	04/20/2012 20:26	04/20/2012 20:26
YK-MW-08 (4.2-5.0) RA	580-32287-2 RA	04/26/2012 21:49	04/26/2012 21:49
YK-SB-21 (9.8-10.0) RA	580-32287-4 RA	04/26/2012 22:15	04/26/2012 22:15
YK-SB-22 (3.0-3.3) RA	580-32287-11 RA	04/26/2012 22:41	04/26/2012 22:41
YK-SB-23 (3.0-3.5) RA	580-32287-12 RA	04/26/2012 23:06	04/26/2012 23:06
YK-SB-24 (3.0-3.3) RA	580-32287-14 RA	04/26/2012 23:32	04/26/2012 23:32
YK-SB-21 (9.8-10.0) RA2	580-32287-4 RA2	04/27/2012 09:54	04/27/2012 09:54

FORM VIII
GC SEMI VOA ANALYTICAL SEQUENCE

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
 SDG No.: _____
 Sample No.: CCVRT 580-109715/2 Date Analyzed: 04/20/2012 08:43
 Instrument ID: TAC013 GC Column: ZB-XLB-HT ID: 0.25 (mm)
 Lab File ID (Standard): TF13140.D Heated Purge: (Y/N) N
 Calibration ID: 10588

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSS IS GIVEN BELOW:

				TPH	OTPH	
				RT #	RT #	
CONTINUING CALIBRATION SURROGATE					5.08	
UPPER LIMIT					5.11	
LOWER LIMIT					5.05	
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCVRT 580-109715/2		04/20/2012 08:43	TF13140.D		5.08	
MB 580-109384/1-B		04/20/2012 10:33	TF13142.D		5.11 *	
LCS 580-109384/2-B		04/20/2012 10:59	TF13144.D		5.09	
580-32287-1	YK-MW-08 (11.45-12.2)	04/20/2012 11:26	TF13146.D		5.09	
580-32287-1 MS	YK-MW-08 (11.45-12.2) MS	04/20/2012 11:54	TF13148.D		5.09	
580-32287-1 MSD	YK-MW-08 (11.45-12.2) MSD	04/20/2012 12:21	TF13150.D		5.10	
580-32287-2	YK-MW-08 (4.2-5.0)	04/20/2012 12:49	TF13152.D		5.09	
580-32287-3	YK-SB-21 (4.5-5.0)	04/20/2012 13:17	TF13154.D		5.09	
580-32287-5	YK-SB-19 (3.3-4.3)	04/20/2012 14:13	TF13158.D		5.10	
580-32287-6	YK-SB-19 (9.0-10.0)	04/20/2012 14:42	TF13160.D		5.09	
CCV 580-109715/13		04/20/2012 15:11	TF13162.D		5.09	
580-32287-7	YK-SB-20 (4.0-4.7)	04/20/2012 16:11	TF13166.D		5.10	
580-32287-8	YK-SB-20 (5.2-6.5)	04/20/2012 16:41	TF13168.D		5.09	
580-32287-9	YK-SB-20 (5.2-6.5) Dup	04/20/2012 17:09	TF13170.D		5.09	
580-32287-10	YK-SB-22 (6.9-7.1)	04/20/2012 17:36	TF13172.D		5.09	
580-32287-11	YK-SB-22 (3.0-3.3)	04/20/2012 18:05	TF13174.D		5.09	
580-32287-12	YK-SB-23 (3.0-3.5)	04/20/2012 18:34	TF13176.D		5.09	
580-32287-13	YK-SB-23 (6.5-7.0)	04/20/2012 19:03	TF13178.D		5.09	
580-32287-14	YK-SB-24 (3.0-3.3)	04/20/2012 19:31	TF13180.D		5.10	
580-32287-15	YK-SB-24 (6.5-6.8)	04/20/2012 19:58	TF13182.D		5.09	
580-32287-16	IDW-01-040612	04/20/2012 20:26	TF13184.D		5.10	
CCV 580-109715/25		04/20/2012 20:52	TF13186.D		5.08	
MB 580-109254/1-B		04/20/2012 21:19	TF13188.D		5.09	
LCS 580-109254/4-B		04/20/2012 21:45	TF13190.D		5.09	
LCSD 580-109254/5-B		04/20/2012 22:12	TF13192.D		5.09	
580-32287-17	MW-08-040612	04/21/2012 00:44	TF13204.D		5.09	

OTPH = o-Terphenyl

RT Limit = ± 0.03 minutes of internal standard RT

TPH RT Limit = ± 0.03 minutes of surrogate RT

OTPH RT Limit = ± 0.03 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII NWTPH/EPH

FORM VIII
GC SEMI VOA ANALYTICAL SEQUENCE

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
SDG No.: _____
Sample No.: CCVRT 580-109715/2 Date Analyzed: 04/20/2012 08:43
Instrument ID: TAC013 GC Column: ZB-XLB-HT ID: 0.25 (mm)
Lab File ID (Standard): TF13140.D Heated Purge: (Y/N) N
Calibration ID: 10588

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSS IS GIVEN BELOW:

				TPH	OTPH	
				RT #	RT #	
CONTINUING CALIBRATION SURROGATE					5.08	
UPPER LIMIT					5.11	
LOWER LIMIT					5.05	
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
580-32287-18	IDW-02-040612	04/21/2012 01:09	TF13206.D		5.09	
CCV 580-109715/36		04/21/2012 01:33	TF13208.D		5.08	

OTPH = o-Terphenyl

RT Limit = $\pm$ 0.03 minutes of internal standard RT

TPH RT Limit = $\pm$ 0.03 minutes of surrogate RT

OTPH RT Limit = $\pm$ 0.03 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII NWTPH/EPH

FORM VIII
GC SEMI VOA ANALYTICAL SEQUENCE

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
 SDG No.: _____
 Sample No.: CCVRT 580-109715/2 Date Analyzed: 04/20/2012 08:43
 Instrument ID: TAC013 GC Column: ZB-1HT ID: 0.25 (mm)
 Lab File ID (Standard): TF13140.D Heated Purge: (Y/N) N
 Calibration ID: 9979

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				1COD		
				RT #		
CONTINUING CALIBRATION SURROGATE				5.13		
UPPER LIMIT				5.16		
LOWER LIMIT				5.10		
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCVRT 580-109715/2		04/20/2012 08:43	TF13140.D	5.13		
MB 580-109384/1-B		04/20/2012 10:33	TF13142.D	5.16		
LCS 580-109384/2-B		04/20/2012 10:59	TF13144.D	5.14		
580-32287-1	YK-MW-08 (11.45-12.2)	04/20/2012 11:26	TF13146.D	5.18 *		
580-32287-1 MS	YK-MW-08 (11.45-12.2) MS	04/20/2012 11:54	TF13148.D	5.17 *		
580-32287-1 MSD	YK-MW-08 (11.45-12.2) MSD	04/20/2012 12:21	TF13150.D	5.17 *		
580-32287-3	YK-SB-21 (4.5-5.0)	04/20/2012 13:17	TF13154.D	5.14		
580-32287-5	YK-SB-19 (3.3-4.3)	04/20/2012 14:13	TF13158.D	5.15		
580-32287-6	YK-SB-19 (9.0-10.0)	04/20/2012 14:42	TF13160.D	5.15		
CCV 580-109715/13		04/20/2012 15:11	TF13162.D	5.14		
580-32287-7	YK-SB-20 (4.0-4.7)	04/20/2012 16:11	TF13166.D	5.15		
580-32287-8	YK-SB-20 (5.2-6.5)	04/20/2012 16:41	TF13168.D	5.14		
580-32287-9	YK-SB-20 (5.2-6.5) Dup	04/20/2012 17:09	TF13170.D	5.14		
580-32287-10	YK-SB-22 (6.9-7.1)	04/20/2012 17:36	TF13172.D	5.14		
580-32287-13	YK-SB-23 (6.5-7.0)	04/20/2012 19:03	TF13178.D	5.14		
580-32287-15	YK-SB-24 (6.5-6.8)	04/20/2012 19:58	TF13182.D	5.15		
580-32287-16	IDW-01-040612	04/20/2012 20:26	TF13184.D	5.15		
CCV 580-109715/25		04/20/2012 20:52	TF13186.D	5.13		
MB 580-109254/1-B		04/20/2012 21:19	TF13188.D	5.14		
LCS 580-109254/4-B		04/20/2012 21:45	TF13190.D	5.14		
580-32287-17	MW-08-040612	04/21/2012 00:44	TF13204.D	5.14		
CCV 580-109715/36		04/21/2012 01:33	TF13208.D	5.13		

1COD = 1-Chlorooctadecane

1COD RT Limit = ± 0.03 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII
GC SEMI VOA ANALYTICAL SEQUENCE

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
 SDG No.: _____
 Sample No.: CCVRT 580-110109/2 Date Analyzed: 04/26/2012 13:51
 Instrument ID: TAC013 GC Column: ZB-XLB-HT ID: 0.25 (mm)
 Lab File ID (Standard): TF13302.D Heated Purge: (Y/N) N
 Calibration ID: 10588

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSS IS GIVEN BELOW:

				OTPH		
				RT #		
CONTINUING CALIBRATION SURROGATE				5.08		
UPPER LIMIT				5.11		
LOWER LIMIT				5.05		
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCVRT 580-110109/2		04/26/2012 13:51	TF13302.D	5.08		
CCV 580-110109/13		04/26/2012 19:10	TF13324.D	5.08		
580-32287-4 RA	YK-SB-21 (9.8-10.0) RA	04/26/2012 22:15	TF13338.D	5.09		
CCV 580-110109/24		04/26/2012 23:58	TF13346.D	5.08		

OTPH = o-Terphenyl

OTPH RT Limit = $\pm$ 0.03 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII
GC SEMI VOA ANALYTICAL SEQUENCE

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
 SDG No.: _____
 Sample No.: CCVRT 580-110109/2 Date Analyzed: 04/26/2012 13:51
 Instrument ID: TAC013 GC Column: ZB-1HT ID: 0.25 (mm)
 Lab File ID (Standard): TF13302.D Heated Purge: (Y/N) N
 Calibration ID: 9979

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSS IS GIVEN BELOW:

				1COD		
				RT #		
CONTINUING CALIBRATION SURROGATE				5.13		
UPPER LIMIT				5.16		
LOWER LIMIT				5.10		
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCVRT 580-110109/2		04/26/2012 13:51	TF13302.D	5.13		
LCS 580-109254/4-C RA		04/26/2012 14:32	TF13304.D	5.15		
LCSD 580-109254/5-C RA		04/26/2012 14:59	TF13306.D	5.15		
580-32287-18 RA	IDW-02-040612 RA	04/26/2012 16:51	TF13314.D	5.15		
CCV 580-110109/13		04/26/2012 19:10	TF13324.D	5.13		
580-32287-2 RA	YK-MW-08 (4.2-5.0) RA	04/26/2012 21:49	TF13336.D	5.13		
580-32287-4 RA	YK-SB-21 (9.8-10.0) RA	04/26/2012 22:15	TF13338.D	5.13		
580-32287-11 RA	YK-SB-22 (3.0-3.3) RA	04/26/2012 22:41	TF13340.D	5.13		
580-32287-12 RA	YK-SB-23 (3.0-3.5) RA	04/26/2012 23:06	TF13342.D	5.14		
580-32287-14 RA	YK-SB-24 (3.0-3.3) RA	04/26/2012 23:32	TF13344.D	5.14		
CCV 580-110109/24		04/26/2012 23:58	TF13346.D	5.13		

1COD = 1-Chlorooctadecane

1COD RT Limit = ± 0.03 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII
GC SEMI VOA ANALYTICAL SEQUENCE

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
SDG No.: _____
Sample No.: CCVRT 580-110142/2 Date Analyzed: 04/27/2012 09:02
Instrument ID: TAC013 GC Column: ZB-XLB-HT ID: 0.25 (mm)
Lab File ID (Standard): TF13350.D Heated Purge: (Y/N) N
Calibration ID: 10588

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSS IS GIVEN BELOW:

				OTPH		
				RT #		
CONTINUING CALIBRATION SURROGATE				5.08		
UPPER LIMIT				5.11		
LOWER LIMIT				5.05		
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCVRT 580-110142/2		04/27/2012 09:02	TF13350.D	5.08		
CCV 580-110142/5		04/27/2012 10:21	TF13356.D	5.09		

OTPH = o-Terphenyl

OTPH RT Limit = $\pm$ 0.03 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII
GC SEMI VOA ANALYTICAL SEQUENCE

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
SDG No.: _____
Sample No.: CCVRT 580-110142/2 Date Analyzed: 04/27/2012 09:02
Instrument ID: TAC013 GC Column: ZB-1HT ID: 0.25 (mm)
Lab File ID (Standard): TF13350.D Heated Purge: (Y/N) N
Calibration ID: 9979

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSS IS GIVEN BELOW:

				1COD		
				RT #		
CONTINUING CALIBRATION SURROGATE				5.14		
UPPER LIMIT				5.17		
LOWER LIMIT				5.11		
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCVRT 580-110142/2		04/27/2012 09:02	TF13350.D	5.14		
CCV 580-110142/5		04/27/2012 10:21	TF13356.D	5.14		

1COD = 1-Chlorooctadecane

1COD RT Limit = ± 0.03 minutes of surrogate RT

Column used to flag values outside QC limits

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
 SDG No.: _____
 Client Sample ID: YK-MW-08(11.45-12.2) Lab Sample ID: 580-32287-1
 Matrix: Solid Lab File ID: TF13146.D
 Analysis Method: NWTPH/EPH Date Collected: 04/04/2012 15:11
 Extraction Method: 3550B Date Extracted: 04/16/2012 13:12
 Sample wt/vol: 30.0268(g) Date Analyzed: 04/20/2012 11:26
 Con. Extract Vol.: 2 (mL) Dilution Factor: 1
 Injection Volume: 1 (uL) GC Column: ZB-XLB-HT ID: 0.25 (mm)
 % Moisture: 23.4 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 109715 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00140	C8-C10 Aromatics	1.4	J	6.5	1.3
STL00011	C10-C12 Aromatics	0.85	J	6.5	0.094
STL00266	C12-C16 Aromatics	9.7		6.5	1.3
STL00004	C16-C21 Aromatics	83		6.5	1.3
STL00952	C21-C34 Aromatics	160		6.5	1.3

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	97		60-140

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
 SDG No.: _____
 Client Sample ID: YK-MW-08(11.45-12.2) Lab Sample ID: 580-32287-1
 Matrix: Solid Lab File ID: TF13146.D
 Analysis Method: NWTPH/EPH Date Collected: 04/04/2012 15:11
 Extraction Method: 3550B Date Extracted: 04/16/2012 13:12
 Sample wt/vol: 30.0268(g) Date Analyzed: 04/20/2012 11:26
 Con. Extract Vol.: 2(mL) Dilution Factor: 1
 Injection Volume: 1(uL) GC Column: ZB-1HT ID: 0.25(mm)
 % Moisture: 23.4 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 109715 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00114	C8-C10 Aliphatics	0.38	J	6.5	0.035
STL00233	C10-C12 Aliphatics	48		6.5	0.12
STL00159	C12-C16 Aliphatics	41		6.5	1.3
STL00950	C16-C21 Aliphatics	280		6.5	1.3
STL00951	C21-C34 Aliphatics	950		6.5	1.3

CAS NO.	SURROGATE	%REC	Q	LIMITS
3386-33-2	1-Chlorooctadecane	54	X	60-140

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
 SDG No.: _____
 Client Sample ID: YK-MW-08(4.2-5.0) Lab Sample ID: 580-32287-2
 Matrix: Solid Lab File ID: TF13152.D
 Analysis Method: NWTPH/EPH Date Collected: 04/04/2012 14:37
 Extraction Method: 3550B Date Extracted: 04/16/2012 13:12
 Sample wt/vol: 30.3982(g) Date Analyzed: 04/20/2012 12:49
 Con. Extract Vol.: 2(mL) Dilution Factor: 1
 Injection Volume: 1(uL) GC Column: ZB-XLB-HT ID: 0.25(mm)
 % Moisture: 14.6 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 109715 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00140	C8-C10 Aromatics	ND		12	2.3
STL00011	C10-C12 Aromatics	ND		12	0.17
STL00266	C12-C16 Aromatics	ND		12	2.3
STL00004	C16-C21 Aromatics	7.9	J	12	2.3
STL00952	C21-C34 Aromatics	50		12	2.3

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	109		60-140

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
 SDG No.: _____
 Client Sample ID: YK-MW-08(4.2-5.0) RA Lab Sample ID: 580-32287-2 RA
 Matrix: Solid Lab File ID: TF13336.D
 Analysis Method: NWTPH/EPH Date Collected: 04/04/2012 14:37
 Extraction Method: 3550B Date Extracted: 04/16/2012 13:12
 Sample wt/vol: 30.3982(g) Date Analyzed: 04/26/2012 21:49
 Con. Extract Vol.: 2(mL) Dilution Factor: 1
 Injection Volume: 1(uL) GC Column: ZB-1HT ID: 0.25(mm)
 % Moisture: 14.6 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 110109 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00114	C8-C10 Aliphatics	ND		12	0.062
STL00233	C10-C12 Aliphatics	ND		12	0.22
STL00159	C12-C16 Aliphatics	ND		12	2.3
STL00950	C16-C21 Aliphatics	2.8	J	12	2.3
STL00951	C21-C34 Aliphatics	54		12	2.3

CAS NO.	SURROGATE	%REC	Q	LIMITS
3386-33-2	1-Chlorooctadecane	96		60-140

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
 SDG No.: _____
 Client Sample ID: YK-SB-21(4.5-5.0) Lab Sample ID: 580-32287-3
 Matrix: Solid Lab File ID: TF13154.D
 Analysis Method: NWTPH/EPH Date Collected: 04/04/2012 16:17
 Extraction Method: 3550B Date Extracted: 04/16/2012 13:12
 Sample wt/vol: 30.5197(g) Date Analyzed: 04/20/2012 13:17
 Con. Extract Vol.: 2(mL) Dilution Factor: 1
 Injection Volume: 1(uL) GC Column: ZB-XLB-HT ID: 0.25(mm)
 % Moisture: 5.5 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 109715 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00140	C8-C10 Aromatics	ND		10	2.1
STL00011	C10-C12 Aromatics	ND		10	0.15
STL00266	C12-C16 Aromatics	ND		10	2.1
STL00004	C16-C21 Aromatics	2.6	J	10	2.1
STL00952	C21-C34 Aromatics	41		10	2.1

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	97		60-140

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
 SDG No.: _____
 Client Sample ID: YK-SB-21(4.5-5.0) Lab Sample ID: 580-32287-3
 Matrix: Solid Lab File ID: TF13154.D
 Analysis Method: NWTPH/EPH Date Collected: 04/04/2012 16:17
 Extraction Method: 3550B Date Extracted: 04/16/2012 13:12
 Sample wt/vol: 30.5197(g) Date Analyzed: 04/20/2012 13:17
 Con. Extract Vol.: 2(mL) Dilution Factor: 1
 Injection Volume: 1(uL) GC Column: ZB-1HT ID: 0.25(mm)
 % Moisture: 5.5 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 109715 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00114	C8-C10 Aliphatics	ND		10	0.056
STL00233	C10-C12 Aliphatics	ND		10	0.20
STL00159	C12-C16 Aliphatics	ND		10	2.1
STL00950	C16-C21 Aliphatics	ND		10	2.1
STL00951	C21-C34 Aliphatics	38		10	2.1

CAS NO.	SURROGATE	%REC	Q	LIMITS
3386-33-2	1-Chlorooctadecane	74		60-140

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
 SDG No.: _____
 Client Sample ID: YK-SB-21(9.8-10.0) RA Lab Sample ID: 580-32287-4 RA
 Matrix: Solid Lab File ID: TF13338.D
 Analysis Method: NWTPH/EPH Date Collected: 04/04/2012 16:39
 Extraction Method: 3550B Date Extracted: 04/16/2012 13:12
 Sample wt/vol: 30.4866(g) Date Analyzed: 04/26/2012 22:15
 Con. Extract Vol.: 2 (mL) Dilution Factor: 1
 Injection Volume: 1 (uL) GC Column: ZB-XLB-HT ID: 0.25 (mm)
 % Moisture: 11.3 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 110109 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00140	C8-C10 Aromatics	ND		11	2.2
STL00011	C10-C12 Aromatics	ND		11	0.16
STL00266	C12-C16 Aromatics	ND		11	2.2
STL00004	C16-C21 Aromatics	ND		11	2.2

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	112		60-140

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
 SDG No.: _____
 Client Sample ID: YK-SB-21(9.8-10.0) RA Lab Sample ID: 580-32287-4 RA
 Matrix: Solid Lab File ID: TF13338.D
 Analysis Method: NWTPH/EPH Date Collected: 04/04/2012 16:39
 Extraction Method: 3550B Date Extracted: 04/16/2012 13:12
 Sample wt/vol: 30.4866(g) Date Analyzed: 04/26/2012 22:15
 Con. Extract Vol.: 2(mL) Dilution Factor: 1
 Injection Volume: 1(uL) GC Column: ZB-1HT ID: 0.25(mm)
 % Moisture: 11.3 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 110109 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00114	C8-C10 Aliphatics	ND		11	0.060
STL00233	C10-C12 Aliphatics	ND		11	0.21
STL00159	C12-C16 Aliphatics	ND		11	2.2
STL00950	C16-C21 Aliphatics	2.8	J	11	2.2
STL00951	C21-C34 Aliphatics	28		11	2.2

CAS NO.	SURROGATE	%REC	Q	LIMITS
3386-33-2	1-Chlorooctadecane	98		60-140

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
SDG No.: _____
Client Sample ID: YK-SB-21(9.8-10.0) RA2 Lab Sample ID: 580-32287-4 RA2
Matrix: Solid Lab File ID: TF13354.D
Analysis Method: NWTPH/EPH Date Collected: 04/04/2012 16:39
Extraction Method: 3550B Date Extracted: 04/16/2012 13:12
Sample wt/vol: 30.4866(g) Date Analyzed: 04/27/2012 09:54
Con. Extract Vol.: 2 (mL) Dilution Factor: 1
Injection Volume: 1 (uL) GC Column: ZB-XLB-HT ID: 0.25 (mm)
% Moisture: 11.3 GPC Cleanup: (Y/N) N
Analysis Batch No.: 110142 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00952	C21-C34 Aromatics	19		11	2.2

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
 SDG No.: _____
 Client Sample ID: YK-SB-19(3.3-4.3) Lab Sample ID: 580-32287-5
 Matrix: Solid Lab File ID: TF13158.D
 Analysis Method: NWTPH/EPH Date Collected: 04/05/2012 09:13
 Extraction Method: 3550B Date Extracted: 04/16/2012 13:12
 Sample wt/vol: 30.5412(g) Date Analyzed: 04/20/2012 14:13
 Con. Extract Vol.: 2(mL) Dilution Factor: 1
 Injection Volume: 1(uL) GC Column: ZB-XLB-HT ID: 0.25(mm)
 % Moisture: 7.4 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 109715 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00140	C8-C10 Aromatics	ND		5.3	1.1
STL00011	C10-C12 Aromatics	ND		5.3	0.076
STL00266	C12-C16 Aromatics	ND		5.3	1.1
STL00004	C16-C21 Aromatics	2.6	J	5.3	1.1
STL00952	C21-C34 Aromatics	8.3		5.3	1.1

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	103		60-140

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
 SDG No.: _____
 Client Sample ID: YK-SB-19(3.3-4.3) Lab Sample ID: 580-32287-5
 Matrix: Solid Lab File ID: TF13158.D
 Analysis Method: NWTPH/EPH Date Collected: 04/05/2012 09:13
 Extraction Method: 3550B Date Extracted: 04/16/2012 13:12
 Sample wt/vol: 30.5412(g) Date Analyzed: 04/20/2012 14:13
 Con. Extract Vol.: 2(mL) Dilution Factor: 1
 Injection Volume: 1(uL) GC Column: ZB-1HT ID: 0.25(mm)
 % Moisture: 7.4 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 109715 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00114	C8-C10 Aliphatics	ND		5.3	0.029
STL00233	C10-C12 Aliphatics	ND		5.3	0.10
STL00159	C12-C16 Aliphatics	ND		5.3	1.1
STL00950	C16-C21 Aliphatics	4.5	J	5.3	1.1
STL00951	C21-C34 Aliphatics	12		5.3	1.1

CAS NO.	SURROGATE	%REC	Q	LIMITS
3386-33-2	1-Chlorooctadecane	73		60-140

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
 SDG No.: _____
 Client Sample ID: YK-SB-19(9.0-10.0) Lab Sample ID: 580-32287-6
 Matrix: Solid Lab File ID: TF13160.D
 Analysis Method: NWTPH/EPH Date Collected: 04/05/2012 09:29
 Extraction Method: 3550B Date Extracted: 04/16/2012 13:12
 Sample wt/vol: 30.7416(g) Date Analyzed: 04/20/2012 14:42
 Con. Extract Vol.: 2 (mL) Dilution Factor: 1
 Injection Volume: 1 (uL) GC Column: ZB-XLB-HT ID: 0.25 (mm)
 % Moisture: 7.3 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 109715 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00140	C8-C10 Aromatics	ND		5.3	1.1
STL00011	C10-C12 Aromatics	0.082	J	5.3	0.076
STL00266	C12-C16 Aromatics	ND		5.3	1.1
STL00004	C16-C21 Aromatics	2.3	J	5.3	1.1
STL00952	C21-C34 Aromatics	6.2		5.3	1.1

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	88		60-140

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
 SDG No.: _____
 Client Sample ID: YK-SB-19(9.0-10.0) Lab Sample ID: 580-32287-6
 Matrix: Solid Lab File ID: TF13160.D
 Analysis Method: NWTPH/EPH Date Collected: 04/05/2012 09:29
 Extraction Method: 3550B Date Extracted: 04/16/2012 13:12
 Sample wt/vol: 30.7416(g) Date Analyzed: 04/20/2012 14:42
 Con. Extract Vol.: 2(mL) Dilution Factor: 1
 Injection Volume: 1(uL) GC Column: ZB-1HT ID: 0.25(mm)
 % Moisture: 7.3 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 109715 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00114	C8-C10 Aliphatics	ND		5.3	0.028
STL00233	C10-C12 Aliphatics	ND		5.3	0.10
STL00159	C12-C16 Aliphatics	ND		5.3	1.1
STL00950	C16-C21 Aliphatics	6.0		5.3	1.1
STL00951	C21-C34 Aliphatics	15		5.3	1.1

CAS NO.	SURROGATE	%REC	Q	LIMITS
3386-33-2	1-Chlorooctadecane	72		60-140

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
 SDG No.: _____
 Client Sample ID: YK-SB-20(4.0-4.7) Lab Sample ID: 580-32287-7
 Matrix: Solid Lab File ID: TF13166.D
 Analysis Method: NWTPH/EPH Date Collected: 04/05/2012 10:37
 Extraction Method: 3550B Date Extracted: 04/16/2012 13:12
 Sample wt/vol: 30.4139(g) Date Analyzed: 04/20/2012 16:11
 Con. Extract Vol.: 2(mL) Dilution Factor: 1
 Injection Volume: 1(uL) GC Column: ZB-XLB-HT ID: 0.25(mm)
 % Moisture: 27.2 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 109715 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00140	C8-C10 Aromatics	ND		6.8	1.4
STL00011	C10-C12 Aromatics	ND		6.8	0.098
STL00266	C12-C16 Aromatics	ND		6.8	1.4
STL00004	C16-C21 Aromatics	ND		6.8	1.4
STL00952	C21-C34 Aromatics	ND		6.8	1.4

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	100		60-140

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
 SDG No.: _____
 Client Sample ID: YK-SB-20(4.0-4.7) Lab Sample ID: 580-32287-7
 Matrix: Solid Lab File ID: TF13166.D
 Analysis Method: NWTPH/EPH Date Collected: 04/05/2012 10:37
 Extraction Method: 3550B Date Extracted: 04/16/2012 13:12
 Sample wt/vol: 30.4139(g) Date Analyzed: 04/20/2012 16:11
 Con. Extract Vol.: 2(mL) Dilution Factor: 1
 Injection Volume: 1(uL) GC Column: ZB-1HT ID: 0.25(mm)
 % Moisture: 27.2 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 109715 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00114	C8-C10 Aliphatics	ND		6.8	0.037
STL00233	C10-C12 Aliphatics	ND		6.8	0.13
STL00159	C12-C16 Aliphatics	ND		6.8	1.4
STL00950	C16-C21 Aliphatics	ND		6.8	1.4
STL00951	C21-C34 Aliphatics	ND		6.8	1.4

CAS NO.	SURROGATE	%REC	Q	LIMITS
3386-33-2	1-Chlorooctadecane	85		60-140

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
SDG No.: _____
Client Sample ID: YK-SB-20(5.2-6.5) Lab Sample ID: 580-32287-8
Matrix: Solid Lab File ID: TF13168.D
Analysis Method: NWTPH/EPH Date Collected: 04/05/2012 10:59
Extraction Method: 3550B Date Extracted: 04/16/2012 13:12
Sample wt/vol: 30.6893(g) Date Analyzed: 04/20/2012 16:41
Con. Extract Vol.: 2(mL) Dilution Factor: 1
Injection Volume: 1(uL) GC Column: ZB-XLB-HT ID: 0.25(mm)
% Moisture: 25.8 GPC Cleanup: (Y/N) N
Analysis Batch No.: 109715 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00140	C8-C10 Aromatics	ND		13	2.6
STL00011	C10-C12 Aromatics	ND		13	0.19
STL00266	C12-C16 Aromatics	ND		13	2.6
STL00004	C16-C21 Aromatics	4.6	J	13	2.6
STL00952	C21-C34 Aromatics	27		13	2.6

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	100		60-140

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
 SDG No.: _____
 Client Sample ID: YK-SB-20(5.2-6.5) Lab Sample ID: 580-32287-8
 Matrix: Solid Lab File ID: TF13168.D
 Analysis Method: NWTPH/EPH Date Collected: 04/05/2012 10:59
 Extraction Method: 3550B Date Extracted: 04/16/2012 13:12
 Sample wt/vol: 30.6893(g) Date Analyzed: 04/20/2012 16:41
 Con. Extract Vol.: 2(mL) Dilution Factor: 1
 Injection Volume: 1(uL) GC Column: ZB-1HT ID: 0.25(mm)
 % Moisture: 25.8 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 109715 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00114	C8-C10 Aliphatics	0.11	J	13	0.071
STL00233	C10-C12 Aliphatics	ND		13	0.25
STL00159	C12-C16 Aliphatics	ND		13	2.6
STL00950	C16-C21 Aliphatics	ND		13	2.6
STL00951	C21-C34 Aliphatics	19		13	2.6

CAS NO.	SURROGATE	%REC	Q	LIMITS
3386-33-2	1-Chlorooctadecane	66		60-140

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
 SDG No.: _____
 Client Sample ID: YK-SB-20(5.2-6.5)Dup Lab Sample ID: 580-32287-9
 Matrix: Solid Lab File ID: TF13170.D
 Analysis Method: NWTPH/EPH Date Collected: 04/05/2012 10:59
 Extraction Method: 3550B Date Extracted: 04/16/2012 13:12
 Sample wt/vol: 30.6313(g) Date Analyzed: 04/20/2012 17:09
 Con. Extract Vol.: 2(mL) Dilution Factor: 1
 Injection Volume: 1(uL) GC Column: ZB-XLB-HT ID: 0.25(mm)
 % Moisture: 24.9 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 109715 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00140	C8-C10 Aromatics	ND		13	2.6
STL00011	C10-C12 Aromatics	ND		13	0.19
STL00266	C12-C16 Aromatics	ND		13	2.6
STL00004	C16-C21 Aromatics	2.9	J	13	2.6
STL00952	C21-C34 Aromatics	36		13	2.6

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	106		60-140

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
 SDG No.: _____
 Client Sample ID: YK-SB-20(5.2-6.5)Dup Lab Sample ID: 580-32287-9
 Matrix: Solid Lab File ID: TF13170.D
 Analysis Method: NWTPH/EPH Date Collected: 04/05/2012 10:59
 Extraction Method: 3550B Date Extracted: 04/16/2012 13:12
 Sample wt/vol: 30.6313(g) Date Analyzed: 04/20/2012 17:09
 Con. Extract Vol.: 2(mL) Dilution Factor: 1
 Injection Volume: 1(uL) GC Column: ZB-1HT ID: 0.25(mm)
 % Moisture: 24.9 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 109715 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00114	C8-C10 Aliphatics	0.17	J	13	0.070
STL00233	C10-C12 Aliphatics	ND		13	0.25
STL00159	C12-C16 Aliphatics	ND		13	2.6
STL00950	C16-C21 Aliphatics	ND		13	2.6
STL00951	C21-C34 Aliphatics	32		13	2.6

CAS NO.	SURROGATE	%REC	Q	LIMITS
3386-33-2	1-Chlorooctadecane	94		60-140

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
 SDG No.: _____
 Client Sample ID: YK-SB-22(6.9-7.1) Lab Sample ID: 580-32287-10
 Matrix: Solid Lab File ID: TF13172.D
 Analysis Method: NWTPH/EPH Date Collected: 04/05/2012 13:47
 Extraction Method: 3550B Date Extracted: 04/16/2012 13:12
 Sample wt/vol: 30.3122(g) Date Analyzed: 04/20/2012 17:36
 Con. Extract Vol.: 2(mL) Dilution Factor: 1
 Injection Volume: 1(uL) GC Column: ZB-XLB-HT ID: 0.25(mm)
 % Moisture: 23.8 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 109715 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00140	C8-C10 Aromatics	ND		6.5	1.3
STL00011	C10-C12 Aromatics	ND		6.5	0.094
STL00266	C12-C16 Aromatics	ND		6.5	1.3
STL00004	C16-C21 Aromatics	1.8	J	6.5	1.3
STL00952	C21-C34 Aromatics	2.5	J	6.5	1.3

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	100		60-140

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
 SDG No.: _____
 Client Sample ID: YK-SB-22(6.9-7.1) Lab Sample ID: 580-32287-10
 Matrix: Solid Lab File ID: TF13172.D
 Analysis Method: NWTPH/EPH Date Collected: 04/05/2012 13:47
 Extraction Method: 3550B Date Extracted: 04/16/2012 13:12
 Sample wt/vol: 30.3122(g) Date Analyzed: 04/20/2012 17:36
 Con. Extract Vol.: 2(mL) Dilution Factor: 1
 Injection Volume: 1(uL) GC Column: ZB-1HT ID: 0.25(mm)
 % Moisture: 23.8 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 109715 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00114	C8-C10 Aliphatics	0.073	J	6.5	0.035
STL00233	C10-C12 Aliphatics	ND		6.5	0.12
STL00159	C12-C16 Aliphatics	ND		6.5	1.3
STL00950	C16-C21 Aliphatics	ND		6.5	1.3
STL00951	C21-C34 Aliphatics	2.4	J	6.5	1.3

CAS NO.	SURROGATE	%REC	Q	LIMITS
3386-33-2	1-Chlorooctadecane	78		60-140

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
 SDG No.: _____
 Client Sample ID: YK-SB-22(3.0-3.3) Lab Sample ID: 580-32287-11
 Matrix: Solid Lab File ID: TF13174.D
 Analysis Method: NWTPH/EPH Date Collected: 04/05/2012 13:43
 Extraction Method: 3550B Date Extracted: 04/16/2012 13:12
 Sample wt/vol: 30.2744(g) Date Analyzed: 04/20/2012 18:05
 Con. Extract Vol.: 2(mL) Dilution Factor: 1
 Injection Volume: 1(uL) GC Column: ZB-XLB-HT ID: 0.25(mm)
 % Moisture: 28.9 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 109715 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00140	C8-C10 Aromatics	ND		7.0	1.4
STL00011	C10-C12 Aromatics	ND		7.0	0.10
STL00266	C12-C16 Aromatics	ND		7.0	1.4
STL00004	C16-C21 Aromatics	6.4	J	7.0	1.4
STL00952	C21-C34 Aromatics	30		7.0	1.4

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	94		60-140

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Seattle Job No.: 580-32287-1

SDG No.: _____

Client Sample ID: YK-SB-22(3.0-3.3) RA Lab Sample ID: 580-32287-11 RA

Matrix: Solid Lab File ID: TF13340.D

Analysis Method: NWTPH/EPH Date Collected: 04/05/2012 13:43

Extraction Method: 3550B Date Extracted: 04/16/2012 13:12

Sample wt/vol: 30.2744(g) Date Analyzed: 04/26/2012 22:41

Con. Extract Vol.: 2(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: ZB-1HT ID: 0.25(mm)

% Moisture: 28.9 GPC Cleanup: (Y/N) N

Analysis Batch No.: 110109 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00114	C8-C10 Aliphatics	ND		14	0.075
STL00233	C10-C12 Aliphatics	ND		14	0.26
STL00159	C12-C16 Aliphatics	ND		14	2.8
STL00950	C16-C21 Aliphatics	ND		14	2.8
STL00951	C21-C34 Aliphatics	28		14	2.8

CAS NO.	SURROGATE	%REC	Q	LIMITS
3386-33-2	1-Chlorooctadecane	99		60-140

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
 SDG No.: _____
 Client Sample ID: YK-SB-23(3.0-3.5) Lab Sample ID: 580-32287-12
 Matrix: Solid Lab File ID: TF13176.D
 Analysis Method: NWTPH/EPH Date Collected: 04/05/2012 13:29
 Extraction Method: 3550B Date Extracted: 04/16/2012 13:12
 Sample wt/vol: 30.5980(g) Date Analyzed: 04/20/2012 18:34
 Con. Extract Vol.: 2(mL) Dilution Factor: 1
 Injection Volume: 1(uL) GC Column: ZB-XLB-HT ID: 0.25(mm)
 % Moisture: 31.0 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 109715 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00140	C8-C10 Aromatics	ND		7.1	1.4
STL00011	C10-C12 Aromatics	ND		7.1	0.10
STL00266	C12-C16 Aromatics	ND		7.1	1.4
STL00004	C16-C21 Aromatics	6.4	J	7.1	1.4
STL00952	C21-C34 Aromatics	ND		7.1	1.4

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	93		60-140

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
 SDG No.: _____
 Client Sample ID: YK-SB-23(3.0-3.5) RA Lab Sample ID: 580-32287-12 RA
 Matrix: Solid Lab File ID: TF13342.D
 Analysis Method: NWTPH/EPH Date Collected: 04/05/2012 13:29
 Extraction Method: 3550B Date Extracted: 04/16/2012 13:12
 Sample wt/vol: 30.5980(g) Date Analyzed: 04/26/2012 23:06
 Con. Extract Vol.: 2(mL) Dilution Factor: 1
 Injection Volume: 1(uL) GC Column: ZB-1HT ID: 0.25(mm)
 % Moisture: 31.0 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 110109 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00114	C8-C10 Aliphatics	ND		7.1	0.038
STL00233	C10-C12 Aliphatics	ND		7.1	0.14
STL00159	C12-C16 Aliphatics	ND		7.1	1.4
STL00950	C16-C21 Aliphatics	ND		7.1	1.4
STL00951	C21-C34 Aliphatics	ND		7.1	1.4

CAS NO.	SURROGATE	%REC	Q	LIMITS
3386-33-2	1-Chlorooctadecane	99		60-140

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
 SDG No.: _____
 Client Sample ID: YK-SB-23(6.5-7.0) Lab Sample ID: 580-32287-13
 Matrix: Solid Lab File ID: TF13178.D
 Analysis Method: NWTPH/EPH Date Collected: 04/05/2012 13:35
 Extraction Method: 3550B Date Extracted: 04/16/2012 13:12
 Sample wt/vol: 30.6052(g) Date Analyzed: 04/20/2012 19:03
 Con. Extract Vol.: 2(mL) Dilution Factor: 1
 Injection Volume: 1(uL) GC Column: ZB-XLB-HT ID: 0.25(mm)
 % Moisture: 26.0 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 109715 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00140	C8-C10 Aromatics	ND		6.6	1.3
STL00011	C10-C12 Aromatics	ND		6.6	0.095
STL00266	C12-C16 Aromatics	ND		6.6	1.3
STL00004	C16-C21 Aromatics	4.1	J	6.6	1.3
STL00952	C21-C34 Aromatics	ND		6.6	1.3

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	100		60-140

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
 SDG No.: _____
 Client Sample ID: YK-SB-23(6.5-7.0) Lab Sample ID: 580-32287-13
 Matrix: Solid Lab File ID: TF13178.D
 Analysis Method: NWTPH/EPH Date Collected: 04/05/2012 13:35
 Extraction Method: 3550B Date Extracted: 04/16/2012 13:12
 Sample wt/vol: 30.6052(g) Date Analyzed: 04/20/2012 19:03
 Con. Extract Vol.: 2 (mL) Dilution Factor: 1
 Injection Volume: 1 (uL) GC Column: ZB-1HT ID: 0.25 (mm)
 % Moisture: 26.0 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 109715 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00114	C8-C10 Aliphatics	0.066	J	6.6	0.036
STL00233	C10-C12 Aliphatics	ND		6.6	0.13
STL00159	C12-C16 Aliphatics	ND		6.6	1.3
STL00950	C16-C21 Aliphatics	ND		6.6	1.3
STL00951	C21-C34 Aliphatics	ND		6.6	1.3

CAS NO.	SURROGATE	%REC	Q	LIMITS
3386-33-2	1-Chlorooctadecane	60		60-140

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
 SDG No.: _____
 Client Sample ID: YK-SB-24(3.0-3.3) Lab Sample ID: 580-32287-14
 Matrix: Solid Lab File ID: TF13180.D
 Analysis Method: NWTPH/EPH Date Collected: 04/05/2012 14:07
 Extraction Method: 3550B Date Extracted: 04/16/2012 13:12
 Sample wt/vol: 30.6541(g) Date Analyzed: 04/20/2012 19:31
 Con. Extract Vol.: 2(mL) Dilution Factor: 1
 Injection Volume: 1(uL) GC Column: ZB-XLB-HT ID: 0.25(mm)
 % Moisture: 27.9 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 109715 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00140	C8-C10 Aromatics	ND		6.8	1.4
STL00011	C10-C12 Aromatics	ND		6.8	0.098
STL00266	C12-C16 Aromatics	ND		6.8	1.4
STL00004	C16-C21 Aromatics	7.6		6.8	1.4
STL00952	C21-C34 Aromatics	1.7	J	6.8	1.4

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	95		60-140

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
 SDG No.: _____
 Client Sample ID: YK-SB-24(3.0-3.3) RA Lab Sample ID: 580-32287-14 RA
 Matrix: Solid Lab File ID: TF13344.D
 Analysis Method: NWTPH/EPH Date Collected: 04/05/2012 14:07
 Extraction Method: 3550B Date Extracted: 04/16/2012 13:12
 Sample wt/vol: 30.6541(g) Date Analyzed: 04/26/2012 23:32
 Con. Extract Vol.: 2(mL) Dilution Factor: 1
 Injection Volume: 1(uL) GC Column: ZB-1HT ID: 0.25(mm)
 % Moisture: 27.9 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 110109 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00114	C8-C10 Aliphatics	ND		6.8	0.037
STL00233	C10-C12 Aliphatics	ND		6.8	0.13
STL00159	C12-C16 Aliphatics	ND		6.8	1.4
STL00950	C16-C21 Aliphatics	ND		6.8	1.4
STL00951	C21-C34 Aliphatics	3.3	J	6.8	1.4

CAS NO.	SURROGATE	%REC	Q	LIMITS
3386-33-2	1-Chlorooctadecane	95		60-140

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
 SDG No.: _____
 Client Sample ID: YK-SB-24(6.5-6.8) Lab Sample ID: 580-32287-15
 Matrix: Solid Lab File ID: TF13182.D
 Analysis Method: NWTPH/EPH Date Collected: 04/05/2012 14:11
 Extraction Method: 3550B Date Extracted: 04/16/2012 13:12
 Sample wt/vol: 30.3029(g) Date Analyzed: 04/20/2012 19:58
 Con. Extract Vol.: 2 (mL) Dilution Factor: 1
 Injection Volume: 1 (uL) GC Column: ZB-XLB-HT ID: 0.25 (mm)
 % Moisture: 26.1 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 109715 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00140	C8-C10 Aromatics	ND		6.7	1.3
STL00011	C10-C12 Aromatics	ND		6.7	0.096
STL00266	C12-C16 Aromatics	ND		6.7	1.3
STL00004	C16-C21 Aromatics	ND		6.7	1.3
STL00952	C21-C34 Aromatics	ND		6.7	1.3

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	94		60-140

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
 SDG No.: _____
 Client Sample ID: YK-SB-24(6.5-6.8) Lab Sample ID: 580-32287-15
 Matrix: Solid Lab File ID: TF13182.D
 Analysis Method: NWTPH/EPH Date Collected: 04/05/2012 14:11
 Extraction Method: 3550B Date Extracted: 04/16/2012 13:12
 Sample wt/vol: 30.3029(g) Date Analyzed: 04/20/2012 19:58
 Con. Extract Vol.: 2 (mL) Dilution Factor: 1
 Injection Volume: 1 (uL) GC Column: ZB-1HT ID: 0.25 (mm)
 % Moisture: 26.1 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 109715 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00114	C8-C10 Aliphatics	ND		6.7	0.036
STL00233	C10-C12 Aliphatics	ND		6.7	0.13
STL00159	C12-C16 Aliphatics	ND		6.7	1.3
STL00950	C16-C21 Aliphatics	ND		6.7	1.3
STL00951	C21-C34 Aliphatics	ND		6.7	1.3

CAS NO.	SURROGATE	%REC	Q	LIMITS
3386-33-2	1-Chlorooctadecane	87		60-140

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
SDG No.: _____
Client Sample ID: IDW-01-040612 Lab Sample ID: 580-32287-16
Matrix: Solid Lab File ID: TF13184.D
Analysis Method: NWTPH/EPH Date Collected: 04/06/2012 17:13
Extraction Method: 3550B Date Extracted: 04/16/2012 13:12
Sample wt/vol: 30.2919(g) Date Analyzed: 04/20/2012 20:26
Con. Extract Vol.: 2 (mL) Dilution Factor: 1
Injection Volume: 1 (uL) GC Column: ZB-XLB-HT ID: 0.25 (mm)
% Moisture: 25.4 GPC Cleanup: (Y/N) N
Analysis Batch No.: 109715 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00140	C8-C10 Aromatics	ND		6.6	1.3
STL00011	C10-C12 Aromatics	0.14	J	6.6	0.096
STL00266	C12-C16 Aromatics	ND		6.6	1.3
STL00004	C16-C21 Aromatics	2.0	J	6.6	1.3
STL00952	C21-C34 Aromatics	26		6.6	1.3

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	102		60-140

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
 SDG No.: _____
 Client Sample ID: IDW-01-040612 Lab Sample ID: 580-32287-16
 Matrix: Solid Lab File ID: TF13184.D
 Analysis Method: NWTPH/EPH Date Collected: 04/06/2012 17:13
 Extraction Method: 3550B Date Extracted: 04/16/2012 13:12
 Sample wt/vol: 30.2919(g) Date Analyzed: 04/20/2012 20:26
 Con. Extract Vol.: 2 (mL) Dilution Factor: 1
 Injection Volume: 1 (uL) GC Column: ZB-1HT ID: 0.25 (mm)
 % Moisture: 25.4 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 109715 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00114	C8-C10 Aliphatics	ND		6.6	0.036
STL00233	C10-C12 Aliphatics	ND		6.6	0.13
STL00159	C12-C16 Aliphatics	ND		6.6	1.3
STL00950	C16-C21 Aliphatics	1.6	J	6.6	1.3
STL00951	C21-C34 Aliphatics	24		6.6	1.3

CAS NO.	SURROGATE	%REC	Q	LIMITS
3386-33-2	1-Chlorooctadecane	87		60-140

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
 SDG No.: _____
 Client Sample ID: MW-08-040612 Lab Sample ID: 580-32287-17
 Matrix: Water Lab File ID: TF13204.D
 Analysis Method: NWTPH/EPH Date Collected: 04/06/2012 16:15
 Extraction Method: 3520C Date Extracted: 04/12/2012 17:37
 Sample wt/vol: 1040 (mL) Date Analyzed: 04/21/2012 00:44
 Con. Extract Vol.: 2 (mL) Dilution Factor: 1
 Injection Volume: 1 (uL) GC Column: ZB-XLB-HT ID: 0.25 (mm)
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 109715 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00140	C8-C10 Aromatics	ND		48	14
STL00011	C10-C12 Aromatics	ND		48	3.9
STL00266	C12-C16 Aromatics	5.6	J B	48	5.5
STL00004	C16-C21 Aromatics	38	J B	48	6.7
STL00952	C21-C34 Aromatics	25	J B	48	14

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	99		60-140

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
 SDG No.: _____
 Client Sample ID: MW-08-040612 Lab Sample ID: 580-32287-17
 Matrix: Water Lab File ID: TF13204.D
 Analysis Method: NWTPH/EPH Date Collected: 04/06/2012 16:15
 Extraction Method: 3520C Date Extracted: 04/12/2012 17:37
 Sample wt/vol: 1040 (mL) Date Analyzed: 04/21/2012 00:44
 Con. Extract Vol.: 2 (mL) Dilution Factor: 1
 Injection Volume: 1 (uL) GC Column: ZB-1HT ID: 0.25 (mm)
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 109715 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00114	C8-C10 Aliphatics	ND		48	1.9
STL00233	C10-C12 Aliphatics	ND		48	3.0
STL00159	C12-C16 Aliphatics	1.6	J B	48	1.4
STL00950	C16-C21 Aliphatics	22	J B	48	4.4
STL00951	C21-C34 Aliphatics	46	J	48	11

CAS NO.	SURROGATE	%REC	Q	LIMITS
3386-33-2	1-Chlorooctadecane	83		60-140

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
 SDG No.: _____
 Client Sample ID: IDW-02-040612 Lab Sample ID: 580-32287-18
 Matrix: Water Lab File ID: TF13206.D
 Analysis Method: NWTPH/EPH Date Collected: 04/06/2012 17:17
 Extraction Method: 3520C Date Extracted: 04/12/2012 17:37
 Sample wt/vol: 1040 (mL) Date Analyzed: 04/21/2012 01:09
 Con. Extract Vol.: 2 (mL) Dilution Factor: 1
 Injection Volume: 1 (uL) GC Column: ZB-XLB-HT ID: 0.25 (mm)
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 109715 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00140	C8-C10 Aromatics	ND		48	14
STL00011	C10-C12 Aromatics	ND		48	3.9
STL00266	C12-C16 Aromatics	12	J B	48	5.5
STL00004	C16-C21 Aromatics	240	B	48	6.7
STL00952	C21-C34 Aromatics	210	B	48	14

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	90		60-140

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
 SDG No.: _____
 Client Sample ID: IDW-02-040612 RA Lab Sample ID: 580-32287-18 RA
 Matrix: Water Lab File ID: TF13314.D
 Analysis Method: NWTPH/EPH Date Collected: 04/06/2012 17:17
 Extraction Method: 3520C Date Extracted: 04/12/2012 17:37
 Sample wt/vol: 1040 (mL) Date Analyzed: 04/26/2012 16:51
 Con. Extract Vol.: 2 (mL) Dilution Factor: 1
 Injection Volume: 1 (uL) GC Column: ZB-1HT ID: 0.25 (mm)
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 110109 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00114	C8-C10 Aliphatics	ND		48	1.9
STL00233	C10-C12 Aliphatics	35	J	48	3.0
STL00159	C12-C16 Aliphatics	50	B	48	1.4
STL00950	C16-C21 Aliphatics	380	B	48	4.4
STL00951	C21-C34 Aliphatics	1500		48	11

CAS NO.	SURROGATE	%REC	Q	LIMITS
3386-33-2	1-Chlorooctadecane	100		60-140

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Seattle Job No.: 580-32287-1 Analy Batch No.: 103331

SDG No.: _____

Instrument ID: TAC013 GC Column: ZB-XLB-HT ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/10/2012 15:29 Calibration End Date: 01/10/2012 18:04 Calibration ID: 9978

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 580-103331/2	TF11812.D
Level 2	IC 580-103331/3	TF11814.D
Level 3	IC 580-103331/4	TF11816.D
Level 4	IC 580-103331/5	TF11818.D
Level 5	ICRT 580-103331/6	TF11820.D
Level 6	IC 580-103331/7	TF11822.D
Level 7	IC 580-103331/8	TF11824.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6	LVL 7				RT WINDOW	AVG RT
Toluene	++++	1.227	1.232	1.238	1.235	1.241	1.240				1.218 - 1.278	1.237
C8-C10 Aromatics	++++	1.770	1.770	1.770	1.772	1.772	1.772				1.160 - 2.385	1.771
C10-C12 Aromatics		2.708	2.708	2.708	2.712	2.712	2.712				2.385 - 3.040	2.710
Naphthalene		2.981	2.982	2.984	2.986	2.990	2.996	3.004			2.951 - 3.011	2.989
C12-C16 Aromatics		3.543	3.543	3.543	3.543	3.553	3.553	3.553			3.040 - 4.066	3.547
Acenaphthene		4.005	4.005	4.007	4.013	4.016	4.024	4.035			3.975 - 4.035	4.015
C16-C21 Aromatics		4.962	4.930	4.930	4.930	4.976	4.939	4.939			4.066 - 5.811	4.944
Pyrene		5.756	5.745	5.761	5.765	5.761	5.786	5.804			5.726 - 5.786	5.768
C21-C34 Aromatics	++++	7.341	7.341	7.341	7.400	7.363	7.363				5.811 - 8.915	7.364
Benzo[g,h,i]perylene	++++	8.775	8.782	8.796	8.815	8.849	8.907				8.746 - 8.806	8.814
o-Terphenyl		5.105	5.102	5.106	5.110	5.111	5.119	5.132			5.075 - 5.135	5.112
Terphenyl-d14		5.896	5.883	5.899	5.900	5.891	5.914	5.927			5.866 - 5.926	5.901

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Seattle Job No.: 580-32287-1 Analy Batch No.: 103331

SDG No.: _____

Instrument ID: TAC013 GC Column: ZB-XLB-HT ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/10/2012 15:29 Calibration End Date: 01/10/2012 18:04 Calibration ID: 9978

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 580-103331/2	TF11812.D
Level 2	IC 580-103331/3	TF11814.D
Level 3	IC 580-103331/4	TF11816.D
Level 4	IC 580-103331/5	TF11818.D
Level 5	ICRT 580-103331/6	TF11820.D
Level 6	IC 580-103331/7	TF11822.D
Level 7	IC 580-103331/8	TF11824.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3 LVL 7	LVL 4		B	M1	M2								
Toluene	++++ 59485	133467 54567	94557 55728	74302	Lin1	415774.415	52698.3782							0.9980		0.9900
C8-C10 Aromatics	++++ 102124	448228 79451	255852 68998	143667	Lin2	1935143.55	62106.8607							0.9980		0.9900
C10-C12 Aromatics	405296 69678	135348 63721	99343 61362	78651	Lin2	343163.010	63078.5759							0.9980		0.9900
Naphthalene	71208 61139	62071 58958	62070 58973	62535	Lin2	11006.5712	60260.0178							1.0000		0.9900
C12-C16 Aromatics	171051 61739	82425 58152	72140 58543	65730	Lin2	223946.635	59402.4655							0.9990		0.9900
Acenaphthene	72529 63148	66686 59741	66914 60253	65943	Lin2	10152.9558	63036.1630							0.9980		0.9900
C16-C21 Aromatics	92503 59561	61038 54872	60766 57761	60147	Lin2	175741.909	56902.6477							0.9990		0.9900
Pyrene	54037 57445	51518 54214	55729 59075	58418	Ave		55776.5243				4.9		20.0			
C21-C34 Aromatics	++++ 42722	31665 42815	35087 51953	39895	Lin2	-635479.16	45654.2371							0.9900		0.9900
Benzo[g,h,i]perylene	++++ 29834	8693.8 33916	12136 45342	20702	Lin1	-263591.07	41578.3422							0.9720	*	0.9900
o-Terphenyl	63003 60547	58615 57158	61071 59965	62029	Ave		60341.1157				3.3		20.0			
Terphenyl-d14	49222 51942	46628 48814	50448 53208	52785	Ave		50435.4741				4.7		20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Seattle Job No.: 580-32287-1 Analy Batch No.: 103331

SDG No.: _____

Instrument ID: TAC013 GC Column: ZB-XLB-HT ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/10/2012 15:29 Calibration End Date: 01/10/2012 18:04 Calibration ID: 9978

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 580-103331/2	TF11812.D
Level 2	IC 580-103331/3	TF11814.D
Level 3	IC 580-103331/4	TF11816.D
Level 4	IC 580-103331/5	TF11818.D
Level 5	ICRT 580-103331/6	TF11820.D
Level 6	IC 580-103331/7	TF11822.D
Level 7	IC 580-103331/8	TF11824.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Toluene	Lin1	+++++ 5456662	667335 11145651	945567	1857556	2974243	+++++ 100	5.00 200	10.0	25.0	50.0
C8-C10 Aromatics	Lin2	+++++ 7945065	2241139 13799573	2558519	3591686	5106217	+++++ 100	5.00 200	10.0	25.0	50.0
C10-C12 Aromatics	Lin2	405296 6372140	676738 12272462	993427	1966281	3483896	1.00 100	5.00 200	10.0	25.0	50.0
Naphthalene	Lin2	71208 5895770	310354 11794584	620701	1563386	3056960	1.00 100	5.00 200	10.0	25.0	50.0
C12-C16 Aromatics	Lin2	342102 11630462	824254 23417128	1442803	3286517	6173855	2.00 200	10.0 400	20.0	50.0	100
Acenaphthene	Lin2	72529 5974103	333430 12050561	669135	1648570	3157416	1.00 100	5.00 200	10.0	25.0	50.0
C16-C21 Aromatics	Lin2	462514 27436010	1525950 57760567	3038308	7518328	14890347	5.00 500	25.0 1000	50.0	125	250
Pyrene	Ave	54037 5421411	257589 11814948	557290	1460439	2872273	1.00 100	5.00 200	10.0	25.0	50.0
C21-C34 Aromatics	Lin2	+++++ 34251961	1266588 83125313	2806948	7979036	17088934	+++++ 800	40.0 1600	80.0	200	400
Benzo[g,h,i]perylene	Lin1	+++++ 3391642	43469 9068300	121359	517552	1491685	+++++ 100	5.00 200	10.0	25.0	50.0
o-Terphenyl	Ave	63003 5715768	293076 11992954	610708	1550725	3027368	1.00 100	5.00 200	10.0	25.0	50.0
Terphenyl-d14	Ave	24734 2452922	117154 5347452	253503	663109	1305042	0.503 50.3	2.51 101	5.03	12.6	25.1

Curve Type Legend:

Ave = Average
Lin1 = Linear 1/conc
Lin2 = Linear 1/conc^2

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Seattle Job No.: 580-32287-1 Analy Batch No.: 103331

SDG No.: _____

Instrument ID: TAC013 GC Column: ZB-1HT ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/10/2012 15:29 Calibration End Date: 01/10/2012 18:04 Calibration ID: 9979

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 580-103331/2	TF11812.D
Level 2	IC 580-103331/3	TF11814.D
Level 3	IC 580-103331/4	TF11816.D
Level 4	IC 580-103331/5	TF11818.D
Level 5	ICRT 580-103331/6	TF11820.D
Level 6	IC 580-103331/7	TF11822.D
Level 7	IC 580-103331/8	TF11824.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6	LVL 7				RT WINDOW	AVG RT
n-Octane	1.080	1.081	1.091	1.090	1.094	1.120	1.105				1.050 - 1.110	1.094
C8-C10 Aliphatics	1.545	1.545	1.545	1.545	1.554	1.554	1.554				1.064 - 2.044	1.549
n-Decane	1.989	1.989	1.993	1.992	1.994	2.005	2.016				1.959 - 2.019	1.997
C10-C12 Aliphatics	2.419	2.419	2.419	2.419	2.425	2.425	2.425				2.044 - 2.805	2.422
Dodecane	2.749	2.747	2.750	2.750	2.755	2.762	2.769				2.719 - 2.779	2.755
C12-C16 Aliphatics	3.413	3.413	3.413	3.413	3.421	3.421	3.421				2.805 - 4.037	3.416
Hexadecane	3.977	3.977	3.980	3.982	3.987	3.994	4.004				3.947 - 4.007	3.986
C16-C21 Aliphatics	4.662	4.644	4.644	4.644	4.678	4.651	4.651				4.037 - 5.265	4.653
C21	5.210	5.204	5.213	5.215	5.215	5.230	5.248				5.180 - 5.240	5.219
C21-C34 Aliphatics	6.791	6.772	6.772	6.772	6.813	6.786	6.786				5.265 - 8.307	6.785
Tetratriacontane	8.209	8.207	8.215	8.222	8.232	8.254	8.273				8.179 - 8.239	8.230
1-Chlorooctadecane	5.137	5.132	5.138	5.142	5.144	5.157	5.171				5.107 - 5.167	5.146

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Seattle Job No.: 580-32287-1 Analy Batch No.: 103331

SDG No.: _____

Instrument ID: TAC013 GC Column: ZB-1HT ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/10/2012 15:29 Calibration End Date: 01/10/2012 18:04 Calibration ID: 9979

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 580-103331/2	TF11812.D
Level 2	IC 580-103331/3	TF11814.D
Level 3	IC 580-103331/4	TF11816.D
Level 4	IC 580-103331/5	TF11818.D
Level 5	ICRT 580-103331/6	TF11820.D
Level 6	IC 580-103331/7	TF11822.D
Level 7	IC 580-103331/8	TF11824.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3 LVL 7	LVL 4		B	M1	M2								
n-Octane	93831 68116	69978 73096	67037 5993.3	66256	Lin2	40956.0026	55427.5681							0.8380	*	0.9900
C8-C10 Aliphatics	194199 71127	95345 72563	83124 79674	74937	Lin2	365688.174	71908.9455							0.9980		0.9900
n-Decane	71192 69440	70297 70738	70750 71296	69909	Ave		70517.5629				1.0		20.0			
C10-C12 Aliphatics	156081 71436	88122 71916	79827 72700	73796	Lin2	170243.618	70976.3972							1.0000		0.9900
Dodecane	63571 68994	67065 70350	68924 71009	69058	Ave		68424.3450				3.6		20.0			
C12-C16 Aliphatics	131232 71029	84342 71540	78313 71683	73072	Lin2	241331.108	71178.9341							1.0000		0.9900
Hexadecane	66638 69112	69027 70337	69861 70914	69464	Ave		69335.9471				2.0		20.0			
C16-C21 Aliphatics	107671 71368	78528 72166	75473 72473	72432	Lin2	253090.097	71485.4600							1.0000		0.9900
C21	71957 70361	70553 71207	71260 70841	70507	Ave		70955.1479				0.8		20.0			
C21-C34 Aliphatics	116497 73065	80235 73321	76924 72581	73698	Lin2	573501.599	72237.5609							1.0000		0.9900
Tetratriacontane	60948 70683	65676 70278	68402 67214	69480	Lin2	-8558.3714	69207.0015							1.0000		0.9900
1-Chlorooctadecane	58925 62346	61103 63162	62431 62430	62328	Ave		61817.9836				2.3		20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Seattle Job No.: 580-32287-1 Analy Batch No.: 103331

SDG No.: _____

Instrument ID: TAC013 GC Column: ZB-1HT ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/10/2012 15:29 Calibration End Date: 01/10/2012 18:04 Calibration ID: 9979

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 580-103331/2	TF11812.D
Level 2	IC 580-103331/3	TF11814.D
Level 3	IC 580-103331/4	TF11816.D
Level 4	IC 580-103331/5	TF11818.D
Level 5	ICRT 580-103331/6	TF11820.D
Level 6	IC 580-103331/7	TF11822.D
Level 7	IC 580-103331/8	TF11824.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
n-Octane	Lin2	93831 7309628	349888 1198668	670373	1656402	3405794	1.00 100	5.00 200	10.0	25.0	50.0
C8-C10 Aliphatics	Lin2	582598 21769038	1430172 47804635	2493709	5620295	10669022	3.00 300	15.0 600	30.0	75.0	150
n-Decane	Ave	71192 7073846	351486 14259168	707499	1747728	3472021	1.00 100	5.00 200	10.0	25.0	50.0
C10-C12 Aliphatics	Lin2	312162 14383146	881220 29079923	1596547	3689776	7143586	2.00 200	10.0 400	20.0	50.0	100
Dodecane	Ave	63571 7035004	335323 14201703	689238	1726460	3449703	1.00 100	5.00 200	10.0	25.0	50.0
C12-C16 Aliphatics	Lin2	524927 28616129	1686837 57346048	3132500	7307245	14205735	4.00 400	20.0 800	40.0	100	200
Hexadecane	Ave	66638 7033737	345134 14182700	698607	1736594	3455575	1.00 100	5.00 200	10.0	25.0	50.0
C16-C21 Aliphatics	Lin2	753698 50516027	2748497 101462415	5283140	12675593	24978948	7.00 700	35.0 1400	70.0	175	350
C21	Ave	71957 7120686	352764 14168247	712595	1762681	3518070	1.00 100	5.00 200	10.0	25.0	50.0
C21-C34 Aliphatics	Lin2	1514459 95317339	5215306 188711483	10000125	23951720	47492522	13.0 1300	65.0 2600	130	325	650
Tetratriacontane	Lin2	60948 7027823	328382 13442732	684015	1737001	3534171	1.00 100	5.00 200	10.0	25.0	50.0
1-Chlorooctadecane	Ave	58925 6316245	305515 12486055	624310	1558209	3117290	1.00 100	5.00 200	10.0	25.0	50.0

Curve Type Legend:

Ave = Average
Lin2 = Linear 1/conc^2

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Seattle Job No.: 580-32287-1 Analy Batch No.: 107776

SDG No.: _____

Instrument ID: TAC013 GC Column: ZB-XLB-HT ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/22/2012 12:29 Calibration End Date: 03/22/2012 15:11 Calibration ID: 10588

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 580-107776/2	TF12650.D
Level 2	IC 580-107776/3	TF12652.D
Level 3	IC 580-107776/4	TF12654.D
Level 4	IC 580-107776/5	TF12656.D
Level 5	ICRT 580-107776/6	TF12658.D
Level 6	IC 580-107776/7	TF12660.D
Level 7	IC 580-107776/8	TF12662.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6	LVL 7				RT WINDOW	AVG RT
C8-C10 Aromatics	1.756	1.756	1.756	1.756	1.764	1.764	1.764				1.171 - 2.357	1.759
C10-C12 Aromatics	2.682	2.682	2.682	2.682	2.686	2.686	2.686				2.357 - 3.014	2.684
Naphthalene	2.957	2.957	2.958	2.960	2.964	2.968	2.978				2.927 - 2.987	2.963
C12-C16 Aromatics	3.518	3.518	3.518	3.518	3.526	3.526	3.526				3.014 - 4.039	3.521
Acenaphthene	3.980	3.979	3.980	3.983	3.989	3.995	4.006				3.950 - 4.010	3.987
C16-C21 Aromatics	4.927	4.927	4.927	4.927	4.915	4.915	4.915				4.039 - 5.792	4.922
Pyrene		5.732	5.738	5.737	5.742	5.708					5.697 - 5.757	5.731
C21-C34 Aromatics	7.342	7.342	7.342	7.342	7.337	7.337	7.337				5.792 - 8.882	7.340
Benzo[g,h,i]perylene					8.782	8.810					8.767 - 8.827	8.796
o-Terphenyl	5.095	5.075	5.078	5.082	5.084	5.092	5.103				5.065 - 5.125	5.087
Terphenyl-d14	5.930	5.875	5.880	5.872	5.872	5.880	5.888				5.900 - 5.960	5.885

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Seattle Job No.: 580-32287-1 Analy Batch No.: 107776

SDG No.: _____

Instrument ID: TAC013 GC Column: ZB-XLB-HT ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/22/2012 12:29 Calibration End Date: 03/22/2012 15:11 Calibration ID: 10588

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 580-107776/2	TF12650.D
Level 2	IC 580-107776/3	TF12652.D
Level 3	IC 580-107776/4	TF12654.D
Level 4	IC 580-107776/5	TF12656.D
Level 5	ICRT 580-107776/6	TF12658.D
Level 6	IC 580-107776/7	TF12660.D
Level 7	IC 580-107776/8	TF12662.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3 LVL 7	LVL 4		B	M1	M2								
C8-C10 Aromatics	579255 72495	175322 64118	121173 61861	85530	Lin2	517175.187	64091.1433							0.9930		0.9900
C10-C12 Aromatics	168349 62999	79857 60443	69307 61030	62731	Lin2	108695.350	59322.8427							1.0000		0.9900
Naphthalene	55486 60649	56389 59066	57648 60316	58442	Lin2	-4054.1177	59081.4424							0.9990		0.9900
C12-C16 Aromatics	133901 63213	74579 60808	67969 61635	63067	Lin2	146176.870	60667.8495							1.0000		0.9900
Acenaphthene	59742 61701	58020 60143	59475 61536	59286	Ave		59986.2650				2.2		20.0			
C16-C21 Aromatics	108990 63462	70312 61611	66128 63245	63118	Lin2	235237.254	61739.4389							1.0000		0.9900
Pyrene	64008	61598 150.71	62344	62477	Ave		50115.5100				56.0	*	20.0			
C21-C34 Aromatics	58756 54417	59195 53363	55036 54977	53605	Ave		55621.1821				4.3		20.0			
Benzo[g,h,i]perylene	41615	41150			Lin2	46568.0000	40683.9400							1.0000		0.9900
o-Terphenyl	71562 66606	65507 64807	65765 66770	64948	Ave		66566.3600				3.5		20.0			
Terphenyl-d14	50074 56999	52864 55829	53892 59243	53886	Ave		54683.9403				5.4		20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Seattle Job No.: 580-32287-1 Analy Batch No.: 107776

SDG No.: _____

Instrument ID: TAC013 GC Column: ZB-XLB-HT ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/22/2012 12:29 Calibration End Date: 03/22/2012 15:11 Calibration ID: 10588

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 580-107776/2	TF12650.D
Level 2	IC 580-107776/3	TF12652.D
Level 3	IC 580-107776/4	TF12654.D
Level 4	IC 580-107776/5	TF12656.D
Level 5	ICRT 580-107776/6	TF12658.D
Level 6	IC 580-107776/7	TF12660.D
Level 7	IC 580-107776/8	TF12662.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
C8-C10 Aromatics	Lin2	579255 6411755	876610 12372171	1211726	2138260	3624774	1.00 100	5.00 200	10.0	25.0	50.0
C10-C12 Aromatics	Lin2	168349 6044279	399287 12205947	693074	1568267	3149950	1.00 100	5.00 200	10.0	25.0	50.0
Naphthalene	Lin2	55486 5906592	281947 12063181	576478	1461041	3032451	1.00 100	5.00 200	10.0	25.0	50.0
C12-C16 Aromatics	Lin2	267801 12161612	745794 24653862	1359380	3153326	6321341	2.00 200	10.0 400	20.0	50.0	100
Acenaphthene	Ave	59742 6014301	290102 12307245	594750	1482147	3085067	1.00 100	5.00 200	10.0	25.0	50.0
C16-C21 Aromatics	Lin2	544950 30805613	1757799 63244651	3306420	7889741	15865538	5.00 500	25.0 1000	50.0	125	250
Pyrene	Ave	15071	307990	623444	1561918	3200386	100	5.00	10.0	25.0	50.0
C21-C34 Aromatics	Ave	470048 42690176	2367791 87962552	4402902	10720976	21766812	8.00 800	40.0 1600	80.0	200	400
Benzo[g,h,i]perylene	Lin2	4114962				2080765	100				50.0
o-Terphenyl	Ave	71562 6480661	327537 13354002	657651	1623695	3330280	1.00 100	5.00 200	10.0	25.0	50.0
Terphenyl-d14	Ave	25162 2805399	132822 5953890	270809	676946	1432109	0.503 50.3	2.51 101	5.03	12.6	25.1

Curve Type Legend:

Ave = Average
Lin2 = Linear 1/conc^2

FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
 SDG No.: _____
 Lab Sample ID: ICV 580-103331/9 Calibration Date: 01/10/2012 18:30
 Instrument ID: TAC013 Calib Start Date: 01/10/2012 15:29
 GC Column: ZB-1HT ID: 0.25 (mm) Calib End Date: 01/10/2012 18:04
 Lab File ID: TF11826.D Conc. Units: mg/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
n-Octane	Lin2		67914		60.5	50.0	21.0*	20.0
C8-C10 Aliphatics	Lin2		73963		97.8	100	-2.2	20.0
n-Decane	Ave	70518	75899		53.8	50.0	7.6	20.0
C10-C12 Aliphatics	Lin2		79344		53.5	50.0	7.0	20.0
Dodecane	Ave	68424	74728		54.6	50.0	9.2	20.0
C12-C16 Aliphatics	Lin2		83689		55.4	50.0	10.8	20.0
Hexadecane	Ave	69336	76162		54.9	50.0	9.8	20.0
C16-C21 Aliphatics	Lin2		85731		56.4	50.0	12.8	20.0
C21	Ave	70955	78555		55.4	50.0	10.7	20.0
C21-C34 Aliphatics	Lin2		86727		52.1	50.0	4.2	20.0
Tetratriacontane	Lin2		71757		52.0	50.0	4.0	20.0
1-Chlorooctadecane	Ave	61818	61249		49.5	50.0	-0.9	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
SDG No.: _____
Lab Sample ID: ICV 580-103331/9 Calibration Date: 01/10/2012 18:30
Instrument ID: TAC013 Calib Start Date: 01/10/2012 15:29
GC Column: ZB-1HT ID: 0.25 (mm) Calib End Date: 01/10/2012 18:04
Lab File ID: TF11826.D

Analyte	RT	RT WINDOW	
		TO	FROM
n-Octane	1.09	1.05	1.11
C8-C10 Aliphatics	1.55	1.06	2.04
n-Decane	1.99	1.96	2.02
C10-C12 Aliphatics	2.43	2.04	2.81
Dodecane	2.76	2.72	2.78
C12-C16 Aliphatics	3.42	2.81	4.04
Hexadecane	3.99	3.95	4.01
C16-C21 Aliphatics	4.65	4.04	5.27
C21	5.22	5.18	5.24
C21-C34 Aliphatics	6.79	5.27	8.31
Tetratriacontane	8.23	8.18	8.24
1-Chlorooctadecane	5.15	5.11	5.17

FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
 SDG No.: _____
 Lab Sample ID: ICV 580-107776/9 Calibration Date: 03/22/2012 15:37
 Instrument ID: TAC013 Calib Start Date: 03/22/2012 12:29
 GC Column: ZB-XLB-HT ID: 0.25 (mm) Calib End Date: 03/22/2012 15:11
 Lab File ID: TF12664.D Conc. Units: mg/Kg

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
C8-C10 Aromatics	Lin2		62196		89.0	100	-11.0	20.0
C10-C12 Aromatics	Lin2		61433		49.9	50.0	-0.2	20.0
C12-C16 Aromatics	Lin2		62469		49.1	50.0	-1.8	20.0
C16-C21 Aromatics	Lin2		65863		49.5	50.0	-1.0	20.0
C21-C34 Aromatics	Ave	55621	45757		41.1	50.0	-17.7	20.0
o-Terphenyl	Ave	66566	62026		46.6	50.0	-6.8	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
SDG No.: _____
Lab Sample ID: ICV 580-107776/9 Calibration Date: 03/22/2012 15:37
Instrument ID: TAC013 Calib Start Date: 03/22/2012 12:29
GC Column: ZB-XLB-HT ID: 0.25 (mm) Calib End Date: 03/22/2012 15:11
Lab File ID: TF12664.D

Analyte	RT	RT WINDOW	
		TO	FROM
C8-C10 Aromatics	1.76	1.17	2.36
C10-C12 Aromatics	2.69	2.36	3.01
C12-C16 Aromatics	3.53	3.01	4.04
C16-C21 Aromatics	4.92	4.04	5.79
C21-C34 Aromatics	7.34	5.79	8.88
o-Terphenyl	5.08	5.07	5.13

FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
SDG No.: _____
Lab Sample ID: CCVRT 580-109715/2 Calibration Date: 04/20/2012 08:43
Instrument ID: TAC013 Calib Start Date: 03/22/2012 12:29
GC Column: ZB-XLB-HT ID: 0.25 (mm) Calib End Date: 03/22/2012 15:11
Lab File ID: TF13140.D Conc. Units: mg/Kg

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
C8-C10 Aromatics	Lin2		74484		50.0	50.0	0.0	20.0
C10-C12 Aromatics	Lin2		64784		52.8	50.0	5.6	20.0
C12-C16 Aromatics	Lin2		65733		106	100	5.9	20.0
C16-C21 Aromatics	Lin2		66541		266	250	6.2	20.0
C21-C34 Aromatics	Ave	55621	49865		363	400	-10.3	20.0
o-Terphenyl	Ave	66566	70214		52.7	50.0	5.5	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
SDG No.: _____
Lab Sample ID: CCVRT 580-109715/2 Calibration Date: 04/20/2012 08:43
Instrument ID: TAC013 Calib Start Date: 03/22/2012 12:29
GC Column: ZB-XLB-HT ID: 0.25 (mm) Calib End Date: 03/22/2012 15:11
Lab File ID: TF13140.D

Analyte	RT	RT WINDOW	
		TO	FROM
C8-C10 Aromatics	1.76	1.16	2.36
C10-C12 Aromatics	2.68	2.36	3.01
C12-C16 Aromatics	3.52	3.01	4.04
C16-C21 Aromatics	4.91	4.04	5.78
C21-C34 Aromatics	7.32	5.78	8.87
o-Terphenyl	5.08	5.05	5.11

FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
SDG No.: _____
Lab Sample ID: CCVRT 580-109715/2 Calibration Date: 04/20/2012 08:43
Instrument ID: TAC013 Calib Start Date: 01/10/2012 15:29
GC Column: ZB-1HT ID: 0.25 (mm) Calib End Date: 01/10/2012 18:04
Lab File ID: TF13140.D Conc. Units: mg/Kg

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
C8-C10 Aliphatics	Lin2		73999		149	150	-0.5	20.0
C10-C12 Aliphatics	Lin2		74017		102	100	1.9	20.0
C12-C16 Aliphatics	Lin2		73902		204	200	2.2	20.0
C16-C21 Aliphatics	Lin2		74162		359	350	2.7	20.0
C21-C34 Aliphatics	Lin2		76273		679	650	4.4	20.0
1-Chlorooctadecane	Ave	61818	64836		51.9	50.0	4.9	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
SDG No.: _____
Lab Sample ID: CCVRT 580-109715/2 Calibration Date: 04/20/2012 08:43
Instrument ID: TAC013 Calib Start Date: 01/10/2012 15:29
GC Column: ZB-1HT ID: 0.25 (mm) Calib End Date: 01/10/2012 18:04
Lab File ID: TF13140.D

Analyte	RT	RT WINDOW	
		TO	FROM
C8-C10 Aliphatics	1.54	1.05	2.03
C10-C12 Aliphatics	2.41	2.03	2.79
C12-C16 Aliphatics	3.41	2.79	4.02
C16-C21 Aliphatics	4.64	4.02	5.26
C21-C34 Aliphatics	6.77	5.26	8.29
1-Chlorooctadecane	5.13	5.10	5.16

FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
SDG No.: _____
Lab Sample ID: CCV 580-109715/13 Calibration Date: 04/20/2012 15:11
Instrument ID: TAC013 Calib Start Date: 03/22/2012 12:29
GC Column: ZB-XLB-HT ID: 0.25 (mm) Calib End Date: 03/22/2012 15:11
Lab File ID: TF13162.D Conc. Units: mg/Kg

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
C8-C10 Aromatics	Lin2		81788		55.7	50.0	11.4	20.0
C10-C12 Aromatics	Lin2		68229		55.7	50.0	11.4	20.0
C12-C16 Aromatics	Lin2		69636		112	100	12.4	20.0
C16-C21 Aromatics	Lin2		71297		285	250	13.9	20.0
C21-C34 Aromatics	Ave	55621	51766		376	400	-6.9	20.0
o-Terphenyl	Ave	66566	74079		55.6	50.0	11.3	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
SDG No.: _____
Lab Sample ID: CCV 580-109715/13 Calibration Date: 04/20/2012 15:11
Instrument ID: TAC013 Calib Start Date: 03/22/2012 12:29
GC Column: ZB-XLB-HT ID: 0.25 (mm) Calib End Date: 03/22/2012 15:11
Lab File ID: TF13162.D

Analyte	RT	RT WINDOW	
		TO	FROM
C8-C10 Aromatics	1.75	1.15	2.36
C10-C12 Aromatics	2.68	2.36	3.01
C12-C16 Aromatics	3.52	3.01	4.04
C16-C21 Aromatics	4.93	4.04	5.83
C21-C34 Aromatics	7.35	5.83	8.88
o-Terphenyl	5.09	5.07	5.13

FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
SDG No.: _____
Lab Sample ID: CCV 580-109715/13 Calibration Date: 04/20/2012 15:11
Instrument ID: TAC013 Calib Start Date: 01/10/2012 15:29
GC Column: ZB-1HT ID: 0.25 (mm) Calib End Date: 01/10/2012 18:04
Lab File ID: TF13162.D Conc. Units: mg/Kg

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
C8-C10 Aliphatics	Lin2		73927		149	150	-0.6	20.0
C10-C12 Aliphatics	Lin2		74315		102	100	2.3	20.0
C12-C16 Aliphatics	Lin2		74541		206	200	3.1	20.0
C16-C21 Aliphatics	Lin2		74039		359	350	2.5	20.0
C21-C34 Aliphatics	Lin2		76218		678	650	4.3	20.0
1-Chlorooctadecane	Ave	61818	64251		51.4	50.0	3.9	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
SDG No.: _____
Lab Sample ID: CCV 580-109715/13 Calibration Date: 04/20/2012 15:11
Instrument ID: TAC013 Calib Start Date: 01/10/2012 15:29
GC Column: ZB-1HT ID: 0.25 (mm) Calib End Date: 01/10/2012 18:04
Lab File ID: TF13162.D

Analyte	RT	RT WINDOW	
		TO	FROM
C8-C10 Aliphatics	1.54	1.04	2.03
C10-C12 Aliphatics	2.41	2.03	2.79
C12-C16 Aliphatics	3.41	2.79	4.03
C16-C21 Aliphatics	4.65	4.03	5.28
C21-C34 Aliphatics	6.79	5.28	8.30
1-Chlorooctadecane	5.14	5.12	5.18

FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
SDG No.: _____
Lab Sample ID: CCV 580-109715/25 Calibration Date: 04/20/2012 20:52
Instrument ID: TAC013 Calib Start Date: 03/22/2012 12:29
GC Column: ZB-XLB-HT ID: 0.25 (mm) Calib End Date: 03/22/2012 15:11
Lab File ID: TF13186.D Conc. Units: mg/Kg

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
C8-C10 Aromatics	Lin2		78104		52.9	50.0	5.8	20.0
C10-C12 Aromatics	Lin2		64955		52.9	50.0	5.8	20.0
C12-C16 Aromatics	Lin2		66805		108	100	7.7	20.0
C16-C21 Aromatics	Lin2		68224		272	250	8.9	20.0
C21-C34 Aromatics	Ave	55621	47177		343	400	-15.2	20.0
o-Terphenyl	Ave	66566	71178		53.5	50.0	6.9	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
SDG No.: _____
Lab Sample ID: CCV 580-109715/25 Calibration Date: 04/20/2012 20:52
Instrument ID: TAC013 Calib Start Date: 03/22/2012 12:29
GC Column: ZB-XLB-HT ID: 0.25 (mm) Calib End Date: 03/22/2012 15:11
Lab File ID: TF13186.D

Analyte	RT	RT WINDOW	
		TO	FROM
C8-C10 Aromatics	1.75	1.15	2.36
C10-C12 Aromatics	2.68	2.36	3.01
C12-C16 Aromatics	3.52	3.01	4.04
C16-C21 Aromatics	4.93	4.04	5.83
C21-C34 Aromatics	7.35	5.83	8.88
o-Terphenyl	5.08	5.07	5.13

FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
SDG No.: _____
Lab Sample ID: CCV 580-109715/25 Calibration Date: 04/20/2012 20:52
Instrument ID: TAC013 Calib Start Date: 01/10/2012 15:29
GC Column: ZB-1HT ID: 0.25 (mm) Calib End Date: 01/10/2012 18:04
Lab File ID: TF13186.D Conc. Units: mg/Kg

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
C8-C10 Aliphatics	Lin2		72500		146	150	-2.6	20.0
C10-C12 Aliphatics	Lin2		72891		100	100	0.3	20.0
C12-C16 Aliphatics	Lin2		72749		201	200	0.5	20.0
C16-C21 Aliphatics	Lin2		73071		354	350	1.1	20.0
C21-C34 Aliphatics	Lin2		74839		666	650	2.4	20.0
1-Chlorooctadecane	Ave	61818	63567		50.9	50.0	2.8	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
SDG No.: _____
Lab Sample ID: CCV 580-109715/25 Calibration Date: 04/20/2012 20:52
Instrument ID: TAC013 Calib Start Date: 01/10/2012 15:29
GC Column: ZB-1HT ID: 0.25 (mm) Calib End Date: 01/10/2012 18:04
Lab File ID: TF13186.D

Analyte	RT	RT WINDOW	
		TO	FROM
C8-C10 Aliphatics	1.54	1.04	2.03
C10-C12 Aliphatics	2.41	2.03	2.79
C12-C16 Aliphatics	3.41	2.79	4.03
C16-C21 Aliphatics	4.65	4.03	5.28
C21-C34 Aliphatics	6.79	5.28	8.30
1-Chlorooctadecane	5.13	5.12	5.18

FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
 SDG No.: _____
 Lab Sample ID: CCV 580-109715/36 Calibration Date: 04/21/2012 01:33
 Instrument ID: TAC013 Calib Start Date: 03/22/2012 12:29
 GC Column: ZB-XLB-HT ID: 0.25 (mm) Calib End Date: 03/22/2012 15:11
 Lab File ID: TF13208.D Conc. Units: mg/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
C8-C10 Aromatics	Lin2		76219		51.4	50.0	2.8	20.0
C10-C12 Aromatics	Lin2		64531		52.6	50.0	5.2	20.0
C12-C16 Aromatics	Lin2		65844		106	100	6.1	20.0
C16-C21 Aromatics	Lin2		67104		268	250	7.1	20.0
C21-C34 Aromatics	Ave	55621	45822		333	400	-17.6	20.0
o-Terphenyl	Ave	66566	69914		52.5	50.0	5.0	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
SDG No.: _____
Lab Sample ID: CCV 580-109715/36 Calibration Date: 04/21/2012 01:33
Instrument ID: TAC013 Calib Start Date: 03/22/2012 12:29
GC Column: ZB-XLB-HT ID: 0.25 (mm) Calib End Date: 03/22/2012 15:11
Lab File ID: TF13208.D

Analyte	RT	RT WINDOW	
		TO	FROM
C8-C10 Aromatics	1.75	1.15	2.36
C10-C12 Aromatics	2.68	2.36	3.01
C12-C16 Aromatics	3.52	3.01	4.04
C16-C21 Aromatics	4.93	4.04	5.83
C21-C34 Aromatics	7.35	5.83	8.88
o-Terphenyl	5.08	5.07	5.13

FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
SDG No.: _____
Lab Sample ID: CCV 580-109715/36 Calibration Date: 04/21/2012 01:33
Instrument ID: TAC013 Calib Start Date: 01/10/2012 15:29
GC Column: ZB-1HT ID: 0.25 (mm) Calib End Date: 01/10/2012 18:04
Lab File ID: TF13208.D Conc. Units: mg/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
C8-C10 Aliphatics	Lin2		70180		141	150	-5.8	20.0
C10-C12 Aliphatics	Lin2		71045		97.7	100	-2.3	20.0
C12-C16 Aliphatics	Lin2		71416		197	200	-1.3	20.0
C16-C21 Aliphatics	Lin2		72741		352	350	0.7	20.0
C21-C34 Aliphatics	Lin2		78128		695	650	7.0	20.0
1-Chlorooctadecane	Ave	61818	62771		50.2	50.0	1.5	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
SDG No.: _____
Lab Sample ID: CCV 580-109715/36 Calibration Date: 04/21/2012 01:33
Instrument ID: TAC013 Calib Start Date: 01/10/2012 15:29
GC Column: ZB-1HT ID: 0.25 (mm) Calib End Date: 01/10/2012 18:04
Lab File ID: TF13208.D

Analyte	RT	RT WINDOW	
		TO	FROM
C8-C10 Aliphatics	1.54	1.04	2.03
C10-C12 Aliphatics	2.41	2.03	2.79
C12-C16 Aliphatics	3.41	2.79	4.03
C16-C21 Aliphatics	4.65	4.03	5.28
C21-C34 Aliphatics	6.79	5.28	8.30
1-Chlorooctadecane	5.13	5.12	5.18

FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
SDG No.: _____
Lab Sample ID: CCVRT 580-110109/2 Calibration Date: 04/26/2012 13:51
Instrument ID: TAC013 Calib Start Date: 03/22/2012 12:29
GC Column: ZB-XLB-HT ID: 0.25 (mm) Calib End Date: 03/22/2012 15:11
Lab File ID: TF13302.D Conc. Units: mg/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
C8-C10 Aromatics	Lin2		79048		53.6	50.0	7.2	20.0
C10-C12 Aromatics	Lin2		66149		53.9	50.0	7.8	20.0
C12-C16 Aromatics	Lin2		68046		110	100	9.8	20.0
C16-C21 Aromatics	Lin2		69445		277	250	10.9	20.0
C21-C34 Aromatics	Ave	55621	45089		328	400	-18.9	20.0
o-Terphenyl	Ave	66566	72322		54.3	50.0	8.6	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
SDG No.: _____
Lab Sample ID: CCVRT 580-110109/2 Calibration Date: 04/26/2012 13:51
Instrument ID: TAC013 Calib Start Date: 03/22/2012 12:29
GC Column: ZB-XLB-HT ID: 0.25 (mm) Calib End Date: 03/22/2012 15:11
Lab File ID: TF13302.D

Analyte	RT	RT WINDOW	
		TO	FROM
C8-C10 Aromatics	1.76	1.16	2.36
C10-C12 Aromatics	2.68	2.36	3.01
C12-C16 Aromatics	3.52	3.01	4.04
C16-C21 Aromatics	4.93	4.04	5.83
C21-C34 Aromatics	7.35	5.83	8.87
o-Terphenyl	5.08	5.05	5.11

FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
SDG No.: _____
Lab Sample ID: CCVRT 580-110109/2 Calibration Date: 04/26/2012 13:51
Instrument ID: TAC013 Calib Start Date: 01/10/2012 15:29
GC Column: ZB-1HT ID: 0.25 (mm) Calib End Date: 01/10/2012 18:04
Lab File ID: TF13302.D Conc. Units: mg/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
C8-C10 Aliphatics	Lin2		75960		153	150	2.3	20.0
C10-C12 Aliphatics	Lin2		76061		105	100	4.8	20.0
C12-C16 Aliphatics	Lin2		76053		210	200	5.2	20.0
C16-C21 Aliphatics	Lin2		76594		371	350	6.1	20.0
C21-C34 Aliphatics	Lin2		78860		702	650	8.0	20.0
1-Chlorooctadecane	Ave	61818	67118		53.7	50.0	8.6	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
SDG No.: _____
Lab Sample ID: CCVRT 580-110109/2 Calibration Date: 04/26/2012 13:51
Instrument ID: TAC013 Calib Start Date: 01/10/2012 15:29
GC Column: ZB-1HT ID: 0.25 (mm) Calib End Date: 01/10/2012 18:04
Lab File ID: TF13302.D

Analyte	RT	RT WINDOW	
		TO	FROM
C8-C10 Aliphatics	1.54	1.05	2.03
C10-C12 Aliphatics	2.41	2.03	2.79
C12-C16 Aliphatics	3.41	2.79	4.03
C16-C21 Aliphatics	4.64	4.03	5.26
C21-C34 Aliphatics	6.77	5.26	8.29
1-Chlorooctadecane	5.13	5.10	5.16

FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
SDG No.: _____
Lab Sample ID: CCV 580-110109/13 Calibration Date: 04/26/2012 19:10
Instrument ID: TAC013 Calib Start Date: 03/22/2012 12:29
GC Column: ZB-XLB-HT ID: 0.25 (mm) Calib End Date: 03/22/2012 15:11
Lab File ID: TF13324.D Conc. Units: mg/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
C8-C10 Aromatics	Lin2		82908		56.6	50.0	13.2	20.0
C10-C12 Aromatics	Lin2		68125		55.6	50.0	11.2	20.0
C12-C16 Aromatics	Lin2		70535		114	100	13.9	20.0
C16-C21 Aromatics	Lin2		71853		287	250	14.8	20.0
C21-C34 Aromatics	Ave	55621	44698		325	400	-19.6	20.0
o-Terphenyl	Ave	66566	74807		56.2	50.0	12.4	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
SDG No.: _____
Lab Sample ID: CCV 580-110109/13 Calibration Date: 04/26/2012 19:10
Instrument ID: TAC013 Calib Start Date: 03/22/2012 12:29
GC Column: ZB-XLB-HT ID: 0.25 (mm) Calib End Date: 03/22/2012 15:11
Lab File ID: TF13324.D

Analyte	RT	RT WINDOW	
		TO	FROM
C8-C10 Aromatics	1.75	1.15	2.36
C10-C12 Aromatics	2.68	2.36	3.01
C12-C16 Aromatics	3.52	3.01	4.04
C16-C21 Aromatics	4.91	4.04	5.79
C21-C34 Aromatics	7.33	5.79	8.87
o-Terphenyl	5.08	5.05	5.11

FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
SDG No.: _____
Lab Sample ID: CCV 580-110109/13 Calibration Date: 04/26/2012 19:10
Instrument ID: TAC013 Calib Start Date: 01/10/2012 15:29
GC Column: ZB-1HT ID: 0.25 (mm) Calib End Date: 01/10/2012 18:04
Lab File ID: TF13324.D Conc. Units: mg/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
C8-C10 Aliphatics	Lin2		79965		162	150	7.8	20.0
C10-C12 Aliphatics	Lin2		79724		110	100	9.9	20.0
C12-C16 Aliphatics	Lin2		79432		220	200	9.9	20.0
C16-C21 Aliphatics	Lin2		79764		387	350	10.5	20.0
C21-C34 Aliphatics	Lin2		82415		734	650	12.9	20.0
1-Chlorooctadecane	Ave	61818	70008		56.0	50.0	13.2	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
SDG No.: _____
Lab Sample ID: CCV 580-110109/13 Calibration Date: 04/26/2012 19:10
Instrument ID: TAC013 Calib Start Date: 01/10/2012 15:29
GC Column: ZB-1HT ID: 0.25 (mm) Calib End Date: 01/10/2012 18:04
Lab File ID: TF13324.D

Analyte	RT	RT WINDOW	
		TO	FROM
C8-C10 Aliphatics	1.54	1.04	2.03
C10-C12 Aliphatics	2.41	2.03	2.79
C12-C16 Aliphatics	3.41	2.79	4.02
C16-C21 Aliphatics	4.64	4.02	5.26
C21-C34 Aliphatics	6.78	5.26	8.29
1-Chlorooctadecane	5.13	5.10	5.16

FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
 SDG No.: _____
 Lab Sample ID: CCV 580-110109/24 Calibration Date: 04/26/2012 23:58
 Instrument ID: TAC013 Calib Start Date: 03/22/2012 12:29
 GC Column: ZB-XLB-HT ID: 0.25 (mm) Calib End Date: 03/22/2012 15:11
 Lab File ID: TF13346.D Conc. Units: mg/Kg

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
C8-C10 Aromatics	Lin2		85022		58.3	50.0	16.6	20.0
C10-C12 Aromatics	Lin2		68930		56.3	50.0	12.6	20.0
C12-C16 Aromatics	Lin2		70896		114	100	14.4	20.0
C16-C21 Aromatics	Lin2		72079		288	250	15.2	20.0
C21-C34 Aromatics	Ave	55621	42833		311	400	-23.0*	20.0
o-Terphenyl	Ave	66566	74530		56.0	50.0	12.0	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
SDG No.: _____
Lab Sample ID: CCV 580-110109/24 Calibration Date: 04/26/2012 23:58
Instrument ID: TAC013 Calib Start Date: 03/22/2012 12:29
GC Column: ZB-XLB-HT ID: 0.25 (mm) Calib End Date: 03/22/2012 15:11
Lab File ID: TF13346.D

Analyte	RT	RT WINDOW	
		TO	FROM
C8-C10 Aromatics	1.75	1.15	2.36
C10-C12 Aromatics	2.68	2.36	3.01
C12-C16 Aromatics	3.52	3.01	4.04
C16-C21 Aromatics	4.91	4.04	5.79
C21-C34 Aromatics	7.33	5.79	8.87
o-Terphenyl	5.08	5.05	5.11

FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
 SDG No.: _____
 Lab Sample ID: CCV 580-110109/24 Calibration Date: 04/26/2012 23:58
 Instrument ID: TAC013 Calib Start Date: 01/10/2012 15:29
 GC Column: ZB-1HT ID: 0.25 (mm) Calib End Date: 01/10/2012 18:04
 Lab File ID: TF13346.D Conc. Units: mg/Kg

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
C8-C10 Aliphatics	Lin2		76697		155	150	3.3	20.0
C10-C12 Aliphatics	Lin2		76539		105	100	5.4	20.0
C12-C16 Aliphatics	Lin2		76569		212	200	5.9	20.0
C16-C21 Aliphatics	Lin2		77023		373	350	6.7	20.0
C21-C34 Aliphatics	Lin2		79356		706	650	8.7	20.0
1-Chlorooctadecane	Ave	61818	67521		54.0	50.0	9.2	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
SDG No.: _____
Lab Sample ID: CCV 580-110109/24 Calibration Date: 04/26/2012 23:58
Instrument ID: TAC013 Calib Start Date: 01/10/2012 15:29
GC Column: ZB-1HT ID: 0.25 (mm) Calib End Date: 01/10/2012 18:04
Lab File ID: TF13346.D

Analyte	RT	RT WINDOW	
		TO	FROM
C8-C10 Aliphatics	1.54	1.04	2.03
C10-C12 Aliphatics	2.41	2.03	2.79
C12-C16 Aliphatics	3.41	2.79	4.02
C16-C21 Aliphatics	4.64	4.02	5.26
C21-C34 Aliphatics	6.78	5.26	8.29
1-Chlorooctadecane	5.13	5.10	5.16

FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
 SDG No.: _____
 Lab Sample ID: CCVRT 580-110142/2 Calibration Date: 04/27/2012 09:02
 Instrument ID: TAC013 Calib Start Date: 03/22/2012 12:29
 GC Column: ZB-XLB-HT ID: 0.25 (mm) Calib End Date: 03/22/2012 15:11
 Lab File ID: TF13350.D Conc. Units: mg/Kg

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
C8-C10 Aromatics	Lin2		80410		54.7	50.0	9.4	20.0
C10-C12 Aromatics	Lin2		67332		54.9	50.0	9.8	20.0
C12-C16 Aromatics	Lin2		70158		113	100	13.2	20.0
C16-C21 Aromatics	Lin2		72463		290	250	15.8	20.0
C21-C34 Aromatics	Ave	55621	44305		322	400	-20.3*	20.0
o-Terphenyl	Ave	66566	74667		56.1	50.0	12.2	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
SDG No.: _____
Lab Sample ID: CCVRT 580-110142/2 Calibration Date: 04/27/2012 09:02
Instrument ID: TAC013 Calib Start Date: 03/22/2012 12:29
GC Column: ZB-XLB-HT ID: 0.25 (mm) Calib End Date: 03/22/2012 15:11
Lab File ID: TF13350.D

Analyte	RT	RT WINDOW	
		TO	FROM
C8-C10 Aromatics	1.76	1.16	2.36
C10-C12 Aromatics	2.68	2.36	3.01
C12-C16 Aromatics	3.52	3.01	4.04
C16-C21 Aromatics	4.93	4.04	5.83
C21-C34 Aromatics	7.34	5.83	8.86
o-Terphenyl	5.08	5.05	5.11

FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
SDG No.: _____
Lab Sample ID: CCVRT 580-110142/2 Calibration Date: 04/27/2012 09:02
Instrument ID: TAC013 Calib Start Date: 01/10/2012 15:29
GC Column: ZB-1HT ID: 0.25 (mm) Calib End Date: 01/10/2012 18:04
Lab File ID: TF13350.D Conc. Units: mg/Kg

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
C8-C10 Aliphatics	Lin2		75713		153	150	1.9	20.0
C10-C12 Aliphatics	Lin2		76230		105	100	5.0	20.0
C12-C16 Aliphatics	Lin2		76267		211	200	5.5	20.0
C16-C21 Aliphatics	Lin2		76654		372	350	6.2	20.0
C21-C34 Aliphatics	Lin2		78758		701	650	7.8	20.0
1-Chlorooctadecane	Ave	61818	67302		53.9	50.0	8.9	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
SDG No.: _____
Lab Sample ID: CCVRT 580-110142/2 Calibration Date: 04/27/2012 09:02
Instrument ID: TAC013 Calib Start Date: 01/10/2012 15:29
GC Column: ZB-1HT ID: 0.25 (mm) Calib End Date: 01/10/2012 18:04
Lab File ID: TF13350.D

Analyte	RT	RT WINDOW	
		TO	FROM
C8-C10 Aliphatics	1.54	1.05	2.03
C10-C12 Aliphatics	2.41	2.03	2.79
C12-C16 Aliphatics	3.41	2.79	4.02
C16-C21 Aliphatics	4.64	4.02	5.26
C21-C34 Aliphatics	6.78	5.26	8.29
1-Chlorooctadecane	5.14	5.11	5.17

FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
SDG No.: _____
Lab Sample ID: CCV 580-110142/5 Calibration Date: 04/27/2012 10:21
Instrument ID: TAC013 Calib Start Date: 03/22/2012 12:29
GC Column: ZB-XLB-HT ID: 0.25 (mm) Calib End Date: 03/22/2012 15:11
Lab File ID: TF13356.D Conc. Units: mg/Kg

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
C8-C10 Aromatics	Lin2		82628		56.4	50.0	12.8	20.0
C10-C12 Aromatics	Lin2		68360		55.8	50.0	11.6	20.0
C12-C16 Aromatics	Lin2		70951		115	100	14.5	20.0
C16-C21 Aromatics	Lin2		73140		292	250	16.9	20.0
C21-C34 Aromatics	Ave	55621	44809		326	400	-19.4	20.0
o-Terphenyl	Ave	66566	75416		56.6	50.0	13.3	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
SDG No.: _____
Lab Sample ID: CCV 580-110142/5 Calibration Date: 04/27/2012 10:21
Instrument ID: TAC013 Calib Start Date: 03/22/2012 12:29
GC Column: ZB-XLB-HT ID: 0.25 (mm) Calib End Date: 03/22/2012 15:11
Lab File ID: TF13356.D

Analyte	RT	RT WINDOW	
		TO	FROM
C8-C10 Aromatics	1.76	1.16	2.36
C10-C12 Aromatics	2.68	2.36	3.01
C12-C16 Aromatics	3.52	3.01	4.04
C16-C21 Aromatics	4.93	4.04	5.83
C21-C34 Aromatics	7.34	5.83	8.86
o-Terphenyl	5.09	5.05	5.11

FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
SDG No.: _____
Lab Sample ID: CCV 580-110142/5 Calibration Date: 04/27/2012 10:21
Instrument ID: TAC013 Calib Start Date: 01/10/2012 15:29
GC Column: ZB-1HT ID: 0.25 (mm) Calib End Date: 01/10/2012 18:04
Lab File ID: TF13356.D Conc. Units: mg/Kg

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
C8-C10 Aliphatics	Lin2		76246		154	150	2.7	20.0
C10-C12 Aliphatics	Lin2		76322		105	100	5.1	20.0
C12-C16 Aliphatics	Lin2		76330		211	200	5.6	20.0
C16-C21 Aliphatics	Lin2		76833		372	350	6.4	20.0
C21-C34 Aliphatics	Lin2		78832		702	650	7.9	20.0
1-Chlorooctadecane	Ave	61818	67567		54.1	50.0	9.3	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
SDG No.: _____
Lab Sample ID: CCV 580-110142/5 Calibration Date: 04/27/2012 10:21
Instrument ID: TAC013 Calib Start Date: 01/10/2012 15:29
GC Column: ZB-1HT ID: 0.25 (mm) Calib End Date: 01/10/2012 18:04
Lab File ID: TF13356.D

Analyte	RT	RT WINDOW	
		TO	FROM
C8-C10 Aliphatics	1.54	1.05	2.03
C10-C12 Aliphatics	2.41	2.03	2.79
C12-C16 Aliphatics	3.41	2.79	4.02
C16-C21 Aliphatics	4.64	4.02	5.26
C21-C34 Aliphatics	6.78	5.26	8.29
1-Chlorooctadecane	5.14	5.11	5.17

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 580-109254/1-B
 Matrix: Water Lab File ID: TF13188.D
 Analysis Method: NWTPH/EPH Date Collected: _____
 Extraction Method: 3520C Date Extracted: 04/12/2012 17:37
 Sample wt/vol: 1000 (mL) Date Analyzed: 04/20/2012 21:19
 Con. Extract Vol.: 2 (mL) Dilution Factor: 1
 Injection Volume: 1 (uL) GC Column: ZB-XLB-HT ID: 0.25 (mm)
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 109715 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00140	C8-C10 Aromatics	16.4	J	50	15
STL00011	C10-C12 Aromatics	10.9	J	50	4.1
STL00266	C12-C16 Aromatics	5.70	J	50	5.7
STL00004	C16-C21 Aromatics	12.9	J	50	7.0
STL00952	C21-C34 Aromatics	16.8	J	50	15

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	100		60-140

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 580-109254/1-B
 Matrix: Water Lab File ID: TF13188.D
 Analysis Method: NWTPH/EPH Date Collected: _____
 Extraction Method: 3520C Date Extracted: 04/12/2012 17:37
 Sample wt/vol: 1000 (mL) Date Analyzed: 04/20/2012 21:19
 Con. Extract Vol.: 2 (mL) Dilution Factor: 1
 Injection Volume: 1 (uL) GC Column: ZB-1HT ID: 0.25 (mm)
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 109715 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00114	C8-C10 Aliphatics	6.30	J	50	2.0
STL00233	C10-C12 Aliphatics	ND		50	3.1
STL00159	C12-C16 Aliphatics	1.55	J	50	1.5
STL00950	C16-C21 Aliphatics	6.84	J	50	4.6
STL00951	C21-C34 Aliphatics	ND		50	11

CAS NO.	SURROGATE	%REC	Q	LIMITS
3386-33-2	1-Chlorooctadecane	99		60-140

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 580-109384/1-B
 Matrix: Solid Lab File ID: TF13142.D
 Analysis Method: NWTPH/EPH Date Collected: _____
 Extraction Method: 3550B Date Extracted: 04/16/2012 13:12
 Sample wt/vol: 30(g) Date Analyzed: 04/20/2012 10:33
 Con. Extract Vol.: 2(mL) Dilution Factor: 1
 Injection Volume: 1(uL) GC Column: ZB-XLB-HT ID: 0.25(mm)
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 109715 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00140	C8-C10 Aromatics	ND		5.0	1.0
STL00011	C10-C12 Aromatics	ND		5.0	0.072
STL00266	C12-C16 Aromatics	ND		5.0	1.0
STL00004	C16-C21 Aromatics	ND		5.0	1.0
STL00952	C21-C34 Aromatics	ND		5.0	1.0

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	95		60-140

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 580-109384/1-B
 Matrix: Solid Lab File ID: TF13142.D
 Analysis Method: NWTPH/EPH Date Collected: _____
 Extraction Method: 3550B Date Extracted: 04/16/2012 13:12
 Sample wt/vol: 30(g) Date Analyzed: 04/20/2012 10:33
 Con. Extract Vol.: 2(mL) Dilution Factor: 1
 Injection Volume: 1(uL) GC Column: ZB-1HT ID: 0.25(mm)
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 109715 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00114	C8-C10 Aliphatics	ND		5.0	0.027
STL00233	C10-C12 Aliphatics	ND		5.0	0.095
STL00159	C12-C16 Aliphatics	ND		5.0	1.0
STL00950	C16-C21 Aliphatics	ND		5.0	1.0
STL00951	C21-C34 Aliphatics	ND		5.0	1.0

CAS NO.	SURROGATE	%REC	Q	LIMITS
3386-33-2	1-Chlorooctadecane	65		60-140

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: CCB 580-109715/14
 Matrix: Solid Lab File ID: TF13164.D
 Analysis Method: NWTPH/EPH Date Collected: _____
 Extraction Method: _____ Date Extracted: _____
 Sample wt/vol: 1(mL) Date Analyzed: 04/20/2012 15:41
 Con. Extract Vol.: _____ Dilution Factor: 1
 Injection Volume: 1(uL) GC Column: ZB-XLB-HT ID: 0.25(mm)
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 109715 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00140	C8-C10 Aromatics	ND		5.0	1.0
STL00011	C10-C12 Aromatics	ND		5.0	1.0
STL00266	C12-C16 Aromatics	ND		5.0	1.0
STL00004	C16-C21 Aromatics	ND		5.0	1.0
STL00952	C21-C34 Aromatics	ND		5.0	1.0

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	100		60-140

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: CCB 580-109715/14
 Matrix: Solid Lab File ID: TF13164.D
 Analysis Method: NWTPH/EPH Date Collected: _____
 Extraction Method: _____ Date Extracted: _____
 Sample wt/vol: 1(mL) Date Analyzed: 04/20/2012 15:41
 Con. Extract Vol.: _____ Dilution Factor: 1
 Injection Volume: 1(uL) GC Column: ZB-1HT ID: 0.25(mm)
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 109715 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00114	C8-C10 Aliphatics	ND		5.0	1.0
STL00233	C10-C12 Aliphatics	ND		5.0	1.0
STL00159	C12-C16 Aliphatics	ND		5.0	1.0
STL00950	C16-C21 Aliphatics	ND		5.0	1.0
STL00951	C21-C34 Aliphatics	ND		5.0	1.0

CAS NO.	SURROGATE	%REC	Q	LIMITS
3386-33-2	1-Chlorooctadecane	66		60-140

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: CCB 580-110109/14
 Matrix: Water Lab File ID: TF13326.D
 Analysis Method: NWTPH/EPH Date Collected: _____
 Extraction Method: _____ Date Extracted: _____
 Sample wt/vol: 1(mL) Date Analyzed: 04/26/2012 19:36
 Con. Extract Vol.: _____ Dilution Factor: 1
 Injection Volume: 1(uL) GC Column: ZB-XLB-HT ID: 0.25(mm)
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 110109 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00140	C8-C10 Aromatics	ND		1.0	1.0
STL00011	C10-C12 Aromatics	ND		1.0	1.0
STL00266	C12-C16 Aromatics	ND		1.0	1.0
STL00004	C16-C21 Aromatics	ND		1.0	1.0
STL00952	C21-C34 Aromatics	ND		1.0	1.0

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	104		60-140

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: CCB 580-110109/14
 Matrix: Water Lab File ID: TF13326.D
 Analysis Method: NWTPH/EPH Date Collected: _____
 Extraction Method: _____ Date Extracted: _____
 Sample wt/vol: 1(mL) Date Analyzed: 04/26/2012 19:36
 Con. Extract Vol.: _____ Dilution Factor: 1
 Injection Volume: 1(uL) GC Column: ZB-1HT ID: 0.25(mm)
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 110109 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00114	C8-C10 Aliphatics	ND		1.0	1.0
STL00233	C10-C12 Aliphatics	ND		1.0	1.0
STL00159	C12-C16 Aliphatics	ND		1.0	1.0
STL00950	C16-C21 Aliphatics	ND		1.0	1.0
STL00951	C21-C34 Aliphatics	ND		1.0	1.0

CAS NO.	SURROGATE	%REC	Q	LIMITS
3386-33-2	1-Chlorooctadecane	69		60-140

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: CCB 580-110142/3
 Matrix: Solid Lab File ID: TF13352.D
 Analysis Method: NWTPH/EPH Date Collected: _____
 Extraction Method: _____ Date Extracted: _____
 Sample wt/vol: 1(mL) Date Analyzed: 04/27/2012 09:28
 Con. Extract Vol.: _____ Dilution Factor: 1
 Injection Volume: 1(uL) GC Column: ZB-XLB-HT ID: 0.25(mm)
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 110142 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00140	C8-C10 Aromatics	ND		5.0	1.0
STL00011	C10-C12 Aromatics	1.01	J	5.0	1.0
STL00266	C12-C16 Aromatics	ND		5.0	1.0
STL00004	C16-C21 Aromatics	ND		5.0	1.0
STL00952	C21-C34 Aromatics	ND		5.0	1.0

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	105		60-140

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: CCB 580-110142/3
 Matrix: Solid Lab File ID: TF13352.D
 Analysis Method: NWTPH/EPH Date Collected: _____
 Extraction Method: _____ Date Extracted: _____
 Sample wt/vol: 1(mL) Date Analyzed: 04/27/2012 09:28
 Con. Extract Vol.: _____ Dilution Factor: 1
 Injection Volume: 1(uL) GC Column: ZB-1HT ID: 0.25(mm)
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 110142 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00114	C8-C10 Aliphatics	ND		5.0	1.0
STL00233	C10-C12 Aliphatics	ND		5.0	1.0
STL00159	C12-C16 Aliphatics	ND		5.0	1.0
STL00950	C16-C21 Aliphatics	ND		5.0	1.0
STL00951	C21-C34 Aliphatics	ND		5.0	1.0

CAS NO.	SURROGATE	%REC	Q	LIMITS
3386-33-2	1-Chlorooctadecane	66		60-140

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 580-109254/4-B
 Matrix: Water Lab File ID: TF13190.D
 Analysis Method: NWTPH/EPH Date Collected: _____
 Extraction Method: 3520C Date Extracted: 04/12/2012 17:37
 Sample wt/vol: 1000 (mL) Date Analyzed: 04/20/2012 21:45
 Con. Extract Vol.: 2 (mL) Dilution Factor: 1
 Injection Volume: 1 (uL) GC Column: ZB-XLB-HT ID: 0.25 (mm)
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 109715 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00140	C8-C10 Aromatics	148		50	15
STL00011	C10-C12 Aromatics	182		50	4.1
STL00266	C12-C16 Aromatics	601		50	5.7
STL00004	C16-C21 Aromatics	1140		50	7.0
STL00952	C21-C34 Aromatics	1430		50	15

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	98		60-140

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: LCS 580-109254/4-B
Matrix: Water Lab File ID: TF13190.D
Analysis Method: NWTPH/EPH Date Collected: _____
Extraction Method: 3520C Date Extracted: 04/12/2012 17:37
Sample wt/vol: 1000 (mL) Date Analyzed: 04/20/2012 21:45
Con. Extract Vol.: 2 (mL) Dilution Factor: 1
Injection Volume: 1 (uL) GC Column: ZB-1HT ID: 0.25 (mm)
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 109715 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
3386-33-2	1-Chlorooctadecane	78		60-140

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 580-109254/4-C RA
 Matrix: Water Lab File ID: TF13304.D
 Analysis Method: NWTPH/EPH Date Collected: _____
 Extraction Method: 3520C Date Extracted: 04/12/2012 17:37
 Sample wt/vol: 1000 (mL) Date Analyzed: 04/26/2012 14:32
 Con. Extract Vol.: 2 (mL) Dilution Factor: 1
 Injection Volume: 1 (uL) GC Column: ZB-1HT ID: 0.25 (mm)
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 110109 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00114	C8-C10 Aliphatics	313		50	2.0
STL00233	C10-C12 Aliphatics	165		50	3.1
STL00159	C12-C16 Aliphatics	370		50	1.5
STL00950	C16-C21 Aliphatics	590		50	4.6
STL00951	C21-C34 Aliphatics	1170		50	11

CAS NO.	SURROGATE	%REC	Q	LIMITS
3386-33-2	1-Chlorooctadecane	92		60-140

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 580-109384/2-B
 Matrix: Solid Lab File ID: TF13144.D
 Analysis Method: NWTPH/EPH Date Collected: _____
 Extraction Method: 3550B Date Extracted: 04/16/2012 13:12
 Sample wt/vol: 30(g) Date Analyzed: 04/20/2012 10:59
 Con. Extract Vol.: 2(mL) Dilution Factor: 1
 Injection Volume: 1(uL) GC Column: ZB-XLB-HT ID: 0.25(mm)
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 109715 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00140	C8-C10 Aromatics	5.59		5.0	1.0
STL00011	C10-C12 Aromatics	6.42		5.0	0.072
STL00266	C12-C16 Aromatics	19.8		5.0	1.0
STL00004	C16-C21 Aromatics	35.9		5.0	1.0
STL00952	C21-C34 Aromatics	50.9		5.0	1.0

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	100		60-140

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 580-109384/2-B
 Matrix: Solid Lab File ID: TF13144.D
 Analysis Method: NWTPH/EPH Date Collected: _____
 Extraction Method: 3550B Date Extracted: 04/16/2012 13:12
 Sample wt/vol: 30(g) Date Analyzed: 04/20/2012 10:59
 Con. Extract Vol.: 2(mL) Dilution Factor: 1
 Injection Volume: 1(uL) GC Column: ZB-1HT ID: 0.25(mm)
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 109715 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00114	C8-C10 Aliphatics	10.2		5.0	0.027
STL00233	C10-C12 Aliphatics	5.08		5.0	0.095
STL00159	C12-C16 Aliphatics	12.1		5.0	1.0
STL00950	C16-C21 Aliphatics	19.9		5.0	1.0
STL00951	C21-C34 Aliphatics	39.6		5.0	1.0

CAS NO.	SURROGATE	%REC	Q	LIMITS
3386-33-2	1-Chlorooctadecane	90		60-140

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCSD 580-109254/5-B
 Matrix: Water Lab File ID: TF13192.D
 Analysis Method: NWTPH/EPH Date Collected: _____
 Extraction Method: 3520C Date Extracted: 04/12/2012 17:37
 Sample wt/vol: 1000 (mL) Date Analyzed: 04/20/2012 22:12
 Con. Extract Vol.: 2 (mL) Dilution Factor: 1
 Injection Volume: 1 (uL) GC Column: ZB-XLB-HT ID: 0.25 (mm)
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 109715 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00140	C8-C10 Aromatics	137		50	15
STL00011	C10-C12 Aromatics	174		50	4.1
STL00266	C12-C16 Aromatics	594		50	5.7
STL00004	C16-C21 Aromatics	1210		50	7.0
STL00952	C21-C34 Aromatics	1400		50	15

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	97		60-140

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCSD 580-109254/5-C RA
 Matrix: Water Lab File ID: TF13306.D
 Analysis Method: NWTPH/EPH Date Collected: _____
 Extraction Method: 3520C Date Extracted: 04/12/2012 17:37
 Sample wt/vol: 1000 (mL) Date Analyzed: 04/26/2012 14:59
 Con. Extract Vol.: 2 (mL) Dilution Factor: 1
 Injection Volume: 1 (uL) GC Column: ZB-1HT ID: 0.25 (mm)
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 110109 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00114	C8-C10 Aliphatics	342		50	2.0
STL00233	C10-C12 Aliphatics	173		50	3.1
STL00159	C12-C16 Aliphatics	386		50	1.5
STL00950	C16-C21 Aliphatics	612		50	4.6
STL00951	C21-C34 Aliphatics	1210		50	11

CAS NO.	SURROGATE	%REC	Q	LIMITS
3386-33-2	1-Chlorooctadecane	93		60-140

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
 SDG No.: _____
 Client Sample ID: YK-MW-08(11.45-12.2) MS Lab Sample ID: 580-32287-1 MS
 Matrix: Solid Lab File ID: TF13148.D
 Analysis Method: NWTPH/EPH Date Collected: 04/04/2012 15:11
 Extraction Method: 3550B Date Extracted: 04/16/2012 13:12
 Sample wt/vol: 30.0484(g) Date Analyzed: 04/20/2012 11:54
 Con. Extract Vol.: 2 (mL) Dilution Factor: 1
 Injection Volume: 1 (uL) GC Column: ZB-XLB-HT ID: 0.25 (mm)
 % Moisture: 23.4 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 109715 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00140	C8-C10 Aromatics	7.70		6.5	1.3
STL00011	C10-C12 Aromatics	8.84		6.5	0.094
STL00266	C12-C16 Aromatics	35.2		6.5	1.3
STL00004	C16-C21 Aromatics	127		6.5	1.3
STL00952	C21-C34 Aromatics	243		6.5	1.3

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	101		60-140

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
 SDG No.: _____
 Client Sample ID: YK-MW-08(11.45-12.2) MS Lab Sample ID: 580-32287-1 MS
 Matrix: Solid Lab File ID: TF13148.D
 Analysis Method: NWTPH/EPH Date Collected: 04/04/2012 15:11
 Extraction Method: 3550B Date Extracted: 04/16/2012 13:12
 Sample wt/vol: 30.0484(g) Date Analyzed: 04/20/2012 11:54
 Con. Extract Vol.: 2 (mL) Dilution Factor: 1
 Injection Volume: 1 (uL) GC Column: ZB-1HT ID: 0.25 (mm)
 % Moisture: 23.4 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 109715 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00114	C8-C10 Aliphatics	12.0		6.5	0.035
STL00233	C10-C12 Aliphatics	43.7		6.5	0.12
STL00159	C12-C16 Aliphatics	49.6		6.5	1.3
STL00950	C16-C21 Aliphatics	263		6.5	1.3
STL00951	C21-C34 Aliphatics	829		6.5	1.3

CAS NO.	SURROGATE	%REC	Q	LIMITS
3386-33-2	1-Chlorooctadecane	56	X	60-140

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
 SDG No.: _____
 Client Sample ID: YK-MW-08(11.45-12.2) MSD Lab Sample ID: 580-32287-1 MSD
 Matrix: Solid Lab File ID: TF13150.D
 Analysis Method: NWTPH/EPH Date Collected: 04/04/2012 15:11
 Extraction Method: 3550B Date Extracted: 04/16/2012 13:12
 Sample wt/vol: 30.1163(g) Date Analyzed: 04/20/2012 12:21
 Con. Extract Vol.: 2 (mL) Dilution Factor: 1
 Injection Volume: 1 (uL) GC Column: ZB-XLB-HT ID: 0.25 (mm)
 % Moisture: 23.4 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 109715 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00140	C8-C10 Aromatics	6.96		6.5	1.3
STL00011	C10-C12 Aromatics	8.54		6.5	0.094
STL00266	C12-C16 Aromatics	34.5		6.5	1.3
STL00004	C16-C21 Aromatics	120		6.5	1.3
STL00952	C21-C34 Aromatics	233		6.5	1.3

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	99		60-140

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
 SDG No.: _____
 Client Sample ID: YK-MW-08(11.45-12.2) MSD Lab Sample ID: 580-32287-1 MSD
 Matrix: Solid Lab File ID: TF13150.D
 Analysis Method: NWTPH/EPH Date Collected: 04/04/2012 15:11
 Extraction Method: 3550B Date Extracted: 04/16/2012 13:12
 Sample wt/vol: 30.1163(g) Date Analyzed: 04/20/2012 12:21
 Con. Extract Vol.: 2 (mL) Dilution Factor: 1
 Injection Volume: 1 (uL) GC Column: ZB-1HT ID: 0.25 (mm)
 % Moisture: 23.4 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 109715 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00114	C8-C10 Aliphatics	13.1		6.5	0.035
STL00233	C10-C12 Aliphatics	44.4		6.5	0.12
STL00159	C12-C16 Aliphatics	51.5		6.5	1.3
STL00950	C16-C21 Aliphatics	259		6.5	1.3
STL00951	C21-C34 Aliphatics	821		6.5	1.3

CAS NO.	SURROGATE	%REC	Q	LIMITS
3386-33-2	1-Chlorooctadecane	35	X	60-140

GC SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Seattle Job No.: 580-32287-1

SDG No.: _____

Instrument ID: TAC013 Start Date: 01/10/2012 15:05Analysis Batch Number: 103331 End Date: 01/10/2012 18:30

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		01/10/2012 15:05	1		ZB-XLB-HT 0.25 (mm)
ZZZZZ		01/10/2012 15:05	1		ZB-1HT 0.25 (mm)
IC 580-103331/2		01/10/2012 15:29	1	TF11812.D	ZB-XLB-HT 0.25 (mm)
IC 580-103331/2		01/10/2012 15:29	1	TF11812.D	ZB-1HT 0.25 (mm)
IC 580-103331/3		01/10/2012 15:54	1	TF11814.D	ZB-XLB-HT 0.25 (mm)
IC 580-103331/3		01/10/2012 15:54	1	TF11814.D	ZB-1HT 0.25 (mm)
IC 580-103331/4		01/10/2012 16:21	1	TF11816.D	ZB-XLB-HT 0.25 (mm)
IC 580-103331/4		01/10/2012 16:21	1	TF11816.D	ZB-1HT 0.25 (mm)
IC 580-103331/5		01/10/2012 16:47	1	TF11818.D	ZB-XLB-HT 0.25 (mm)
IC 580-103331/5		01/10/2012 16:47	1	TF11818.D	ZB-1HT 0.25 (mm)
ICRT 580-103331/6		01/10/2012 17:12	1	TF11820.D	ZB-XLB-HT 0.25 (mm)
ICRT 580-103331/6		01/10/2012 17:12	1	TF11820.D	ZB-1HT 0.25 (mm)
IC 580-103331/7		01/10/2012 17:39	1	TF11822.D	ZB-XLB-HT 0.25 (mm)
IC 580-103331/7		01/10/2012 17:39	1	TF11822.D	ZB-1HT 0.25 (mm)
IC 580-103331/8		01/10/2012 18:04	1	TF11824.D	ZB-XLB-HT 0.25 (mm)
IC 580-103331/8		01/10/2012 18:04	1	TF11824.D	ZB-1HT 0.25 (mm)
ICV 580-103331/9		01/10/2012 18:30	1		ZB-XLB-HT 0.25 (mm)
ICV 580-103331/9		01/10/2012 18:30	1	TF11826.D	ZB-1HT 0.25 (mm)

GC SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Seattle Job No.: 580-32287-1

SDG No.: _____

Instrument ID: TAC013 Start Date: 03/22/2012 08:23Analysis Batch Number: 107776 End Date: 03/22/2012 15:37

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		03/22/2012 08:23	1		ZB-XLB-HT 0.25 (mm)
IC 580-107776/2		03/22/2012 12:29	1	TF12650.D	ZB-XLB-HT 0.25 (mm)
IC 580-107776/3		03/22/2012 12:55	1	TF12652.D	ZB-XLB-HT 0.25 (mm)
IC 580-107776/4		03/22/2012 13:22	1	TF12654.D	ZB-XLB-HT 0.25 (mm)
IC 580-107776/5		03/22/2012 13:49	1	TF12656.D	ZB-XLB-HT 0.25 (mm)
ICRT 580-107776/6		03/22/2012 14:16	1	TF12658.D	ZB-XLB-HT 0.25 (mm)
IC 580-107776/7		03/22/2012 14:43	1	TF12660.D	ZB-XLB-HT 0.25 (mm)
IC 580-107776/8		03/22/2012 15:11	1	TF12662.D	ZB-XLB-HT 0.25 (mm)
ICV 580-107776/9		03/22/2012 15:37	1	TF12664.D	ZB-XLB-HT 0.25 (mm)
ICV 580-107776/9		03/22/2012 15:37	1		ZB-1HT 0.25 (mm)

GC SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica SeattleJob No.: 580-32287-1

SDG No.: _____

Instrument ID: TAC013Start Date: 04/20/2012 08:18Analysis Batch Number: 109715End Date: 04/21/2012 01:33

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		04/20/2012 08:18	1		ZB-XLB-HT 0.25 (mm)
ZZZZZ		04/20/2012 08:18	1		ZB-1HT 0.25 (mm)
CCVRT 580-109715/2		04/20/2012 08:43	1	TF13140.D	ZB-XLB-HT 0.25 (mm)
CCVRT 580-109715/2		04/20/2012 08:43	1	TF13140.D	ZB-1HT 0.25 (mm)
MB 580-109384/1-B		04/20/2012 10:33	1	TF13142.D	ZB-XLB-HT 0.25 (mm)
MB 580-109384/1-B		04/20/2012 10:33	1	TF13142.D	ZB-1HT 0.25 (mm)
LCS 580-109384/2-B		04/20/2012 10:59	1	TF13144.D	ZB-XLB-HT 0.25 (mm)
LCS 580-109384/2-B		04/20/2012 10:59	1	TF13144.D	ZB-1HT 0.25 (mm)
580-32287-1	YK-MW-08 (11.45-12.2)	04/20/2012 11:26	1	TF13146.D	ZB-XLB-HT 0.25 (mm)
580-32287-1	YK-MW-08 (11.45-12.2)	04/20/2012 11:26	1	TF13146.D	ZB-1HT 0.25 (mm)
580-32287-1 MS	YK-MW-08 (11.45-12.2) MS	04/20/2012 11:54	1	TF13148.D	ZB-XLB-HT 0.25 (mm)
580-32287-1 MS	YK-MW-08 (11.45-12.2) MS	04/20/2012 11:54	1	TF13148.D	ZB-1HT 0.25 (mm)
580-32287-1 MSD	YK-MW-08 (11.45-12.2) MSD	04/20/2012 12:21	1	TF13150.D	ZB-XLB-HT 0.25 (mm)
580-32287-1 MSD	YK-MW-08 (11.45-12.2) MSD	04/20/2012 12:21	1	TF13150.D	ZB-1HT 0.25 (mm)
580-32287-2	YK-MW-08 (4.2-5.0)	04/20/2012 12:49	1	TF13152.D	ZB-XLB-HT 0.25 (mm)
580-32287-2	YK-MW-08 (4.2-5.0)	04/20/2012 12:49	1	TF13152.D	ZB-1HT 0.25 (mm)
580-32287-3	YK-SB-21 (4.5-5.0)	04/20/2012 13:17	1	TF13154.D	ZB-XLB-HT 0.25 (mm)
580-32287-3	YK-SB-21 (4.5-5.0)	04/20/2012 13:17	1	TF13154.D	ZB-1HT 0.25 (mm)
ZZZZZ		04/20/2012 13:45	1		ZB-XLB-HT 0.25 (mm)
ZZZZZ		04/20/2012 13:45	1		ZB-1HT 0.25 (mm)
580-32287-5	YK-SB-19 (3.3-4.3)	04/20/2012 14:13	1	TF13158.D	ZB-XLB-HT 0.25 (mm)
580-32287-5	YK-SB-19 (3.3-4.3)	04/20/2012 14:13	1	TF13158.D	ZB-1HT 0.25 (mm)
580-32287-6	YK-SB-19 (9.0-10.0)	04/20/2012 14:42	1	TF13160.D	ZB-XLB-HT 0.25 (mm)
580-32287-6	YK-SB-19 (9.0-10.0)	04/20/2012 14:42	1	TF13160.D	ZB-1HT 0.25 (mm)
CCV 580-109715/13		04/20/2012 15:11	1	TF13162.D	ZB-XLB-HT 0.25 (mm)
CCV 580-109715/13		04/20/2012 15:11	1	TF13162.D	ZB-1HT 0.25 (mm)
CCB 580-109715/14		04/20/2012 15:41	1	TF13164.D	ZB-XLB-HT 0.25 (mm)
CCB 580-109715/14		04/20/2012 15:41	1	TF13164.D	ZB-1HT 0.25 (mm)
580-32287-7	YK-SB-20 (4.0-4.7)	04/20/2012 16:11	1	TF13166.D	ZB-XLB-HT 0.25 (mm)
580-32287-7	YK-SB-20 (4.0-4.7)	04/20/2012 16:11	1	TF13166.D	ZB-1HT 0.25 (mm)
580-32287-8	YK-SB-20 (5.2-6.5)	04/20/2012 16:41	1	TF13168.D	ZB-XLB-HT 0.25 (mm)
580-32287-8	YK-SB-20 (5.2-6.5)	04/20/2012 16:41	1	TF13168.D	ZB-1HT 0.25 (mm)
580-32287-9	YK-SB-20 (5.2-6.5) Dup	04/20/2012 17:09	1	TF13170.D	ZB-XLB-HT 0.25 (mm)
580-32287-9	YK-SB-20 (5.2-6.5) Dup	04/20/2012 17:09	1	TF13170.D	ZB-1HT 0.25 (mm)
580-32287-10	YK-SB-22 (6.9-7.1)	04/20/2012 17:36	1	TF13172.D	ZB-XLB-HT 0.25 (mm)
580-32287-10	YK-SB-22 (6.9-7.1)	04/20/2012 17:36	1	TF13172.D	ZB-1HT 0.25 (mm)
580-32287-11	YK-SB-22 (3.0-3.3)	04/20/2012 18:05	1	TF13174.D	ZB-XLB-HT 0.25 (mm)
580-32287-11	YK-SB-22 (3.0-3.3)	04/20/2012 18:05	1	TF13174.D	ZB-1HT 0.25 (mm)
580-32287-12	YK-SB-23 (3.0-3.5)	04/20/2012 18:34	1	TF13176.D	ZB-XLB-HT 0.25 (mm)
580-32287-12	YK-SB-23 (3.0-3.5)	04/20/2012 18:34	1	TF13176.D	ZB-1HT 0.25 (mm)
580-32287-13	YK-SB-23 (6.5-7.0)	04/20/2012 19:03	1	TF13178.D	ZB-XLB-HT 0.25 (mm)
580-32287-13	YK-SB-23 (6.5-7.0)	04/20/2012 19:03	1	TF13178.D	ZB-1HT 0.25 (mm)
580-32287-14	YK-SB-24 (3.0-3.3)	04/20/2012 19:31	1	TF13180.D	ZB-XLB-HT 0.25 (mm)

GC SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Seattle Job No.: 580-32287-1

SDG No.: _____

Instrument ID: TAC013 Start Date: 04/20/2012 08:18Analysis Batch Number: 109715 End Date: 04/21/2012 01:33

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
580-32287-14	YK-SB-24 (3.0-3.3)	04/20/2012 19:31	1	TF13180.D	ZB-1HT 0.25 (mm)
580-32287-15	YK-SB-24 (6.5-6.8)	04/20/2012 19:58	1	TF13182.D	ZB-XLB-HT 0.25 (mm)
580-32287-15	YK-SB-24 (6.5-6.8)	04/20/2012 19:58	1	TF13182.D	ZB-1HT 0.25 (mm)
580-32287-16	IDW-01-040612	04/20/2012 20:26	1	TF13184.D	ZB-XLB-HT 0.25 (mm)
580-32287-16	IDW-01-040612	04/20/2012 20:26	1	TF13184.D	ZB-1HT 0.25 (mm)
CCV 580-109715/25		04/20/2012 20:52	1	TF13186.D	ZB-XLB-HT 0.25 (mm)
CCV 580-109715/25		04/20/2012 20:52	1	TF13186.D	ZB-1HT 0.25 (mm)
MB 580-109254/1-B		04/20/2012 21:19	1	TF13188.D	ZB-XLB-HT 0.25 (mm)
MB 580-109254/1-B		04/20/2012 21:19	1	TF13188.D	ZB-1HT 0.25 (mm)
LCS 580-109254/4-B		04/20/2012 21:45	1	TF13190.D	ZB-XLB-HT 0.25 (mm)
LCS 580-109254/4-B		04/20/2012 21:45	1	TF13190.D	ZB-1HT 0.25 (mm)
LCSD 580-109254/5-B		04/20/2012 22:12	1	TF13192.D	ZB-XLB-HT 0.25 (mm)
LCSD 580-109254/5-B		04/20/2012 22:12	1	TF13192.D	ZB-1HT 0.25 (mm)
ZZZZZ		04/20/2012 22:38	1		ZB-XLB-HT 0.25 (mm)
ZZZZZ		04/20/2012 22:38	1		ZB-1HT 0.25 (mm)
ZZZZZ		04/20/2012 23:03	1		ZB-XLB-HT 0.25 (mm)
ZZZZZ		04/20/2012 23:03	1		ZB-1HT 0.25 (mm)
ZZZZZ		04/20/2012 23:29	1		ZB-XLB-HT 0.25 (mm)
ZZZZZ		04/20/2012 23:29	1		ZB-1HT 0.25 (mm)
ZZZZZ		04/20/2012 23:54	1		ZB-XLB-HT 0.25 (mm)
ZZZZZ		04/20/2012 23:54	1		ZB-1HT 0.25 (mm)
ZZZZZ		04/21/2012 00:19	1		ZB-XLB-HT 0.25 (mm)
ZZZZZ		04/21/2012 00:19	1		ZB-1HT 0.25 (mm)
580-32287-17	MW-08-040612	04/21/2012 00:44	1	TF13204.D	ZB-XLB-HT 0.25 (mm)
580-32287-17	MW-08-040612	04/21/2012 00:44	1	TF13204.D	ZB-1HT 0.25 (mm)
580-32287-18	IDW-02-040612	04/21/2012 01:09	1	TF13206.D	ZB-XLB-HT 0.25 (mm)
580-32287-18	IDW-02-040612	04/21/2012 01:09	1	TF13206.D	ZB-1HT 0.25 (mm)
CCV 580-109715/36		04/21/2012 01:33	1	TF13208.D	ZB-XLB-HT 0.25 (mm)
CCV 580-109715/36		04/21/2012 01:33	1	TF13208.D	ZB-1HT 0.25 (mm)

GC SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica SeattleJob No.: 580-32287-1

SDG No.: _____

Instrument ID: TAC013Start Date: 04/26/2012 13:24Analysis Batch Number: 110109End Date: 04/26/2012 23:58

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		04/26/2012 13:24	1		ZB-XLB-HT 0.25 (mm)
ZZZZZ		04/26/2012 13:24	1		ZB-1HT 0.25 (mm)
CCVRT 580-110109/2		04/26/2012 13:51	1	TF13302.D	ZB-XLB-HT 0.25 (mm)
CCVRT 580-110109/2		04/26/2012 13:51	1	TF13302.D	ZB-1HT 0.25 (mm)
LCS 580-109254/4-C RA		04/26/2012 14:32	1	TF13304.D	ZB-XLB-HT 0.25 (mm)
LCS 580-109254/4-C RA		04/26/2012 14:32	1	TF13304.D	ZB-1HT 0.25 (mm)
LCSD 580-109254/5-C RA		04/26/2012 14:59	1	TF13306.D	ZB-XLB-HT 0.25 (mm)
LCSD 580-109254/5-C RA		04/26/2012 14:59	1	TF13306.D	ZB-1HT 0.25 (mm)
ZZZZZ		04/26/2012 15:27	1		ZB-XLB-HT 0.25 (mm)
ZZZZZ		04/26/2012 15:27	1		ZB-1HT 0.25 (mm)
ZZZZZ		04/26/2012 15:54	1		ZB-XLB-HT 0.25 (mm)
ZZZZZ		04/26/2012 15:54	1		ZB-1HT 0.25 (mm)
ZZZZZ		04/26/2012 16:23	1		ZB-XLB-HT 0.25 (mm)
ZZZZZ		04/26/2012 16:23	1		ZB-1HT 0.25 (mm)
580-32287-18 RA	IDW-02-040612 RA	04/26/2012 16:51	1	TF13314.D	ZB-XLB-HT 0.25 (mm)
580-32287-18 RA	IDW-02-040612 RA	04/26/2012 16:51	1	TF13314.D	ZB-1HT 0.25 (mm)
ZZZZZ		04/26/2012 17:19	1		ZB-XLB-HT 0.25 (mm)
ZZZZZ		04/26/2012 17:19	1		ZB-1HT 0.25 (mm)
ZZZZZ		04/26/2012 17:47	1		ZB-XLB-HT 0.25 (mm)
ZZZZZ		04/26/2012 17:47	1		ZB-1HT 0.25 (mm)
ZZZZZ		04/26/2012 18:15	1		ZB-XLB-HT 0.25 (mm)
ZZZZZ		04/26/2012 18:15	1		ZB-1HT 0.25 (mm)
ZZZZZ		04/26/2012 18:43	1		ZB-XLB-HT 0.25 (mm)
ZZZZZ		04/26/2012 18:43	1		ZB-1HT 0.25 (mm)
CCV 580-110109/13		04/26/2012 19:10	1	TF13324.D	ZB-XLB-HT 0.25 (mm)
CCV 580-110109/13		04/26/2012 19:10	1	TF13324.D	ZB-1HT 0.25 (mm)
CCB 580-110109/14		04/26/2012 19:36	1	TF13326.D	ZB-XLB-HT 0.25 (mm)
CCB 580-110109/14		04/26/2012 19:36	1	TF13326.D	ZB-1HT 0.25 (mm)
ZZZZZ		04/26/2012 20:03	1		ZB-XLB-HT 0.25 (mm)
ZZZZZ		04/26/2012 20:03	1		ZB-1HT 0.25 (mm)
ZZZZZ		04/26/2012 20:30	1		ZB-XLB-HT 0.25 (mm)
ZZZZZ		04/26/2012 20:30	1		ZB-1HT 0.25 (mm)
ZZZZZ		04/26/2012 20:56	1		ZB-XLB-HT 0.25 (mm)
ZZZZZ		04/26/2012 20:56	1		ZB-1HT 0.25 (mm)
ZZZZZ		04/26/2012 21:23	1		ZB-XLB-HT 0.25 (mm)
ZZZZZ		04/26/2012 21:23	1		ZB-1HT 0.25 (mm)
580-32287-2 RA	YK-MW-08 (4.2-5.0) RA	04/26/2012 21:49	1	TF13336.D	ZB-XLB-HT 0.25 (mm)
580-32287-2 RA	YK-MW-08 (4.2-5.0) RA	04/26/2012 21:49	1	TF13336.D	ZB-1HT 0.25 (mm)
580-32287-4 RA	YK-SB-21 (9.8-10.0) RA	04/26/2012 22:15	1	TF13338.D	ZB-XLB-HT 0.25 (mm)
580-32287-4 RA	YK-SB-21 (9.8-10.0) RA	04/26/2012 22:15	1	TF13338.D	ZB-1HT 0.25 (mm)
580-32287-11 RA	YK-SB-22 (3.0-3.3) RA	04/26/2012 22:41	1	TF13340.D	ZB-XLB-HT 0.25 (mm)
580-32287-11 RA	YK-SB-22 (3.0-3.3) RA	04/26/2012 22:41	1	TF13340.D	ZB-1HT 0.25 (mm)
580-32287-12 RA	YK-SB-23 (3.0-3.5) RA	04/26/2012 23:06	1	TF13342.D	ZB-XLB-HT 0.25 (mm)

GC SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Seattle Job No.: 580-32287-1

SDG No.: _____

Instrument ID: TAC013 Start Date: 04/26/2012 13:24Analysis Batch Number: 110109 End Date: 04/26/2012 23:58

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
580-32287-12 RA	YK-SB-23 (3.0-3.5) RA	04/26/2012 23:06	1	TF13342.D	ZB-1HT 0.25 (mm)
580-32287-14 RA	YK-SB-24 (3.0-3.3) RA	04/26/2012 23:32	1	TF13344.D	ZB-XLB-HT 0.25 (mm)
580-32287-14 RA	YK-SB-24 (3.0-3.3) RA	04/26/2012 23:32	1	TF13344.D	ZB-1HT 0.25 (mm)
CCV 580-110109/24		04/26/2012 23:58	1	TF13346.D	ZB-XLB-HT 0.25 (mm)
CCV 580-110109/24		04/26/2012 23:58	1	TF13346.D	ZB-1HT 0.25 (mm)

GC SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Seattle Job No.: 580-32287-1

SDG No.: _____

Instrument ID: TAC013 Start Date: 04/27/2012 08:36Analysis Batch Number: 110142 End Date: 04/27/2012 10:21

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		04/27/2012 08:36	1		ZB-XLB-HT 0.25 (mm)
ZZZZZ		04/27/2012 08:36	1		ZB-1HT 0.25 (mm)
CCVRT 580-110142/2		04/27/2012 09:02	1	TF13350.D	ZB-XLB-HT 0.25 (mm)
CCVRT 580-110142/2		04/27/2012 09:02	1	TF13350.D	ZB-1HT 0.25 (mm)
CCB 580-110142/3		04/27/2012 09:28	1	TF13352.D	ZB-XLB-HT 0.25 (mm)
CCB 580-110142/3		04/27/2012 09:28	1	TF13352.D	ZB-1HT 0.25 (mm)
580-32287-4 RA2	YK-SB-21 (9.8-10.0) RA2	04/27/2012 09:54	1	TF13354.D	ZB-XLB-HT 0.25 (mm)
580-32287-4 RA2	YK-SB-21 (9.8-10.0) RA2	04/27/2012 09:54	1	TF13354.D	ZB-1HT 0.25 (mm)
CCV 580-110142/5		04/27/2012 10:21	1	TF13356.D	ZB-XLB-HT 0.25 (mm)
CCV 580-110142/5		04/27/2012 10:21	1	TF13356.D	ZB-1HT 0.25 (mm)

GC SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Seattle Job No.: 580-32287-1

SDG No.: _____

Batch Number: 109254 Batch Start Date: 04/12/12 17:32 Batch Analyst: DeMonnin, RobertBatch Method: 3520C Batch End Date: 04/14/12 12:31

Lab Sample ID	Client Sample ID	Method Chain	Basis	Initial pH	InitialAmount	FinalAmount	FirstAdjustpH	EPH AL/AR SPK 00005	EPH Surrogate 00019
MB 580-109254/1		3520C, EPH Frac, NWTPH/EPH		6	1000 mL	2 mL	<2		100 uL
LCS 580-109254/4		3520C, EPH Frac, NWTPH/EPH		6	1000 mL	2 mL	<2	500 uL	100 uL
LCSD 580-109254/5		3520C, EPH Frac, NWTPH/EPH		6	1000 mL	2 mL	<2	500 uL	100 uL
580-32287-B-17	MW-08-040612	3520C, EPH Frac, NWTPH/EPH	T	<2	1040 mL	2 mL			100 uL
580-32287-B-18	IDW-02-040612	3520C, EPH Frac, NWTPH/EPH	T	<2	1040 mL	2 mL			100 uL

Lab Sample ID	Client Sample ID	Method Chain	Basis	Pterph-surr 00008	AnalysisComment				
MB 580-109254/1		3520C, EPH Frac, NWTPH/EPH		100 uL					
LCS 580-109254/4		3520C, EPH Frac, NWTPH/EPH			EPH				
LCSD 580-109254/5		3520C, EPH Frac, NWTPH/EPH			EPH				
580-32287-B-17	MW-08-040612	3520C, EPH Frac, NWTPH/EPH	T		EPH only				
580-32287-B-18	IDW-02-040612	3520C, EPH Frac, NWTPH/EPH	T		EPH only				

GC SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Seattle Job No.: 580-32287-1

SDG No.: _____

Batch Number: 109254 Batch Start Date: 04/12/12 17:32 Batch Analyst: DeMonnin, RobertBatch Method: 3520C Batch End Date: 04/14/12 12:31

Batch Notes	
Acid used for pH adjustment	H2SO4
Acid used for pH adjust Lot #	867004
Person's name who did the concentration	Gina Hanlon
Exchange Solvent Lot #	864176
Exchange Solvent Name	hexane
Filter Paper Lot Number	781559
Time the first extraction ended 24hr	4-14-12@0800
Time the first extraction started 24 hr	4-13-12@1400
N-evap #	TAC001
N-evap temperature	29.5 Celsius
Na2SO4 Lot Number	832170
Prep Solvent Lot #	884207
Prep Solvent Name	DCM
Prep Solvent Volume Used	220 mL
Person's name who did the prep	Bob
Sufficient volume for MS/MSD?	no
ID number of the thermometer	15-041-1a-3
Uncorrected N-evap Temperature	30.0 Celsius
Uncorrected Temperature	90-94 Celsius
Water Bath ID	tac603
Water Bath Temperature	89-93 Celsius

Basis	Basis Description
T	Total/NA

GC SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Seattle Job No.: 580-32287-1

SDG No.: _____

Batch Number: 109384 Batch Start Date: 04/16/12 13:12 Batch Analyst: Hanlon, GinaBatch Method: 3550B Batch End Date: 04/17/12 15:37

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	EPH AL/AR SPK 00005	EPH Surrogate 00019		
MB 580-109384/1		3550B, EPH Frac, NWTPH/EPH		30 g	2 mL		100 uL		
LCS 580-109384/2		3550B, EPH Frac, NWTPH/EPH		30 g	2 mL	500 uL	100 uL		
580-32287-A-1	YK-MW-08 (11.45-1 2.2)	3550B, EPH Frac, NWTPH/EPH	T	30.0268 g	2 mL		100 uL		
580-32287-A-1 MS	YK-MW-08 (11.45-1 2.2)	3550B, EPH Frac, NWTPH/EPH	T	30.0484 g	2 mL	500 uL	100 uL		
580-32287-A-1 MSD	YK-MW-08 (11.45-1 2.2)	3550B, EPH Frac, NWTPH/EPH	T	30.1163 g	2 mL	500 uL	100 uL		
580-32287-A-2	YK-MW-08 (4.2-5.0)	3550B, EPH Frac, NWTPH/EPH	T	30.3982 g	2 mL		100 uL		
580-32287-A-3	YK-SB-21 (4.5-5.0)	3550B, EPH Frac, NWTPH/EPH	T	30.5197 g	2 mL		100 uL		
580-32287-A-4	YK-SB-21 (9.8-10. 0)	3550B, EPH Frac, NWTPH/EPH	T	30.4866 g	2 mL		100 uL		
580-32287-A-5	YK-SB-19 (3.3-4.3)	3550B, EPH Frac, NWTPH/EPH	T	30.5412 g	2 mL		100 uL		
580-32287-A-6	YK-SB-19 (9.0-10. 0)	3550B, EPH Frac, NWTPH/EPH	T	30.7416 g	2 mL		100 uL		
580-32287-A-7	YK-SB-20 (4.0-4.7)	3550B, EPH Frac, NWTPH/EPH	T	30.4139 g	2 mL		100 uL		
580-32287-A-8	YK-SB-20 (5.2-6.5)	3550B, EPH Frac, NWTPH/EPH	T	30.6893 g	2 mL		100 uL		
580-32287-A-9	YK-SB-20 (5.2-6.5) Dup	3550B, EPH Frac, NWTPH/EPH	T	30.6313 g	2 mL		100 uL		
580-32287-A-10	YK-SB-22 (6.9-7.1)	3550B, EPH Frac, NWTPH/EPH	T	30.3122 g	2 mL		100 uL		
580-32287-A-11	YK-SB-22 (3.0-3.3)	3550B, EPH Frac, NWTPH/EPH	T	30.2744 g	2 mL		100 uL		

NWTPH/EPH

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GC SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Seattle Job No.: 580-32287-1

SDG No.: _____

Batch Number: 109384 Batch Start Date: 04/16/12 13:12 Batch Analyst: Hanlon, GinaBatch Method: 3550B Batch End Date: 04/17/12 15:37

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	EPH AL/AR SPK 00005	EPH Surrogate 00019		
580-32287-A-12	YK-SB-23(3.0-3.5)	3550B, EPH Frac, NWTPH/EPH	T	30.5980 g	2 mL		100 uL		
580-32287-A-13	YK-SB-23(6.5-7.0)	3550B, EPH Frac, NWTPH/EPH	T	30.6052 g	2 mL		100 uL		
580-32287-A-14	YK-SB-24(3.0-3.3)	3550B, EPH Frac, NWTPH/EPH	T	30.6541 g	2 mL		100 uL		
580-32287-A-15	YK-SB-24(6.5-6.8)	3550B, EPH Frac, NWTPH/EPH	T	30.3029 g	2 mL		100 uL		
580-32287-A-16	IDW-01-040612	3550B, EPH Frac, NWTPH/EPH	T	30.2919 g	2 mL		100 uL		

Batch Notes	
Balance ID	SEA216
Blank Soil Lot Number	817691
Person's name who did the concentration	Gina Hanlon
Exchange Solvent Lot #	891289
Exchange Solvent Name	Hexane
Filter Paper Lot Number	887160
N-evap #	TAC001
N-evap temperature	29.5 Celsius
Na2SO4 Lot Number	832169
Prep Solvent Lot #	884204
Prep Solvent Name	DCM
Prep Solvent Volume Used	130 mL
Person's name who did the prep	Gina Hanlon
ID number of the thermometer	15-041-1A-3
Uncorrected N-evap Temperature	30 Celsius
Uncorrected Temperature	89-92 Celsius
Vendor of Reagent used	JTB
Water Bath ID	TAC603
Water Bath Temperature	88-91 Celsius

NWTPH/EPH

Page 2 of 3

GC SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Seattle Job No.: 580-32287-1

SDG No.: _____

Batch Number: 109384 Batch Start Date: 04/16/12 13:12 Batch Analyst: Hanlon, GinaBatch Method: 3550B Batch End Date: 04/17/12 15:37

Basis	Basis Description
T	Total/NA

GC SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Seattle Job No.: 580-32287-1

SDG No.: _____

Batch Number: 109664 Batch Start Date: 04/19/12 11:37 Batch Analyst: Palmer, SonyaBatch Method: EPH Frac Batch End Date: 04/19/12 14:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount				
MB 580-109254/1-A		EPH Frac, NWTPH/EPH		1 mL	1 mL				
LCS 580-109254/4-A		EPH Frac, NWTPH/EPH		1 mL	1 mL				
LCSD 580-109254/5-A		EPH Frac, NWTPH/EPH		1 mL	1 mL				
580-32287-B-17-A	MW-08-040612	EPH Frac, NWTPH/EPH	T	1 mL	1 mL				
580-32287-B-18-A	IDW-02-040612	EPH Frac, NWTPH/EPH	T	1 mL	1 mL				

Batch Notes	
Hexane Lot#	891293
MeCl2 Lot #	892214
N-evap temperature	29 Celsius
Silica Gel Lot Number	875841
Uncorrected N-evap Temperature	30 Celsius

Basis	Basis Description
T	Total/NA

GC SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Seattle Job No.: 580-32287-1

SDG No.: _____

Batch Number: 109668 Batch Start Date: 04/19/12 11:53 Batch Analyst: DeMonnin, RobertBatch Method: EPH Frac Batch End Date: 04/19/12 16:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount				
MB 580-109384/1-A		EPH Frac, NWTPH/EPH		1 mL	1 mL				
LCS 580-109384/2-A		EPH Frac, NWTPH/EPH		1 mL	1 mL				
580-32287-A-1-A	YK-MW-08 (11.45-1 2.2)	EPH Frac, NWTPH/EPH	T	1 mL	1 mL				
580-32287-A-1-B	YK-MW-08 (11.45-1 2.2)	EPH Frac, NWTPH/EPH	T	1 mL	1 mL				
580-32287-A-1-C	YK-MW-08 (11.45-1 2.2)	EPH Frac, NWTPH/EPH	T	1 mL	1 mL				
580-32287-A-2-A	YK-MW-08 (4.2-5.0)	EPH Frac, NWTPH/EPH	T	500 uL	1 mL				
580-32287-A-3-A	YK-SB-21 (4.5-5.0)	EPH Frac, NWTPH/EPH	T	500 uL	1 mL				
580-32287-A-5-A	YK-SB-19 (3.3-4.3)	EPH Frac, NWTPH/EPH	T	1 mL	1 mL				
580-32287-A-6-A	YK-SB-19 (9.0-10. 0)	EPH Frac, NWTPH/EPH	T	1 mL	1 mL				
580-32287-A-7-A	YK-SB-20 (4.0-4.7)	EPH Frac, NWTPH/EPH	T	1 mL	1 mL				
580-32287-A-8-A	YK-SB-20 (5.2-6.5)	EPH Frac, NWTPH/EPH	T	500 uL	1 mL				
580-32287-A-9-A	YK-SB-20 (5.2-6.5) Dup	EPH Frac, NWTPH/EPH	T	500 uL	1 mL				
580-32287-A-10-A	YK-SB-22 (6.9-7.1)	EPH Frac, NWTPH/EPH	T	1 mL	1 mL				
580-32287-A-11-A	YK-SB-22 (3.0-3.3)	EPH Frac, NWTPH/EPH	T	1 mL	1 mL				
580-32287-A-12-A	YK-SB-23 (3.0-3.5)	EPH Frac, NWTPH/EPH	T	1 mL	1 mL				
580-32287-A-13-A	YK-SB-23 (6.5-7.0)	EPH Frac, NWTPH/EPH	T	1 mL	1 mL				
580-32287-A-14-A	YK-SB-24 (3.0-3.3)	EPH Frac, NWTPH/EPH	T	1 mL	1 mL				
580-32287-A-15-A	YK-SB-24 (6.5-6.8)	EPH Frac, NWTPH/EPH	T	1 mL	1 mL				
580-32287-A-16-A	IDW-01-040612	EPH Frac, NWTPH/EPH	T	1 mL	1 mL				

GC SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Seattle Job No.: 580-32287-1

SDG No.: _____

Batch Number: 109668 Batch Start Date: 04/19/12 11:53 Batch Analyst: DeMonnin, RobertBatch Method: EPH Frac Batch End Date: 04/19/12 16:00

Batch Notes	
Hexane Lot#	891293
MeCL2 Lot #	892214
N-evap temperature	29 Celsius
Silica Gel Lot Number	875841
Uncorrected N-evap Temperature	30 Celsius

Basis	Basis Description
T	Total/NA

GC SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Seattle Job No.: 580-32287-1

SDG No.: _____

Batch Number: 110082 Batch Start Date: 04/26/12 10:33 Batch Analyst: Palmer, SonyaBatch Method: EPH Frac Batch End Date: 04/26/12 12:45

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	AnalysisComment			
LCS 580-109254/4-A		EPH Frac, NWTPH/EPH		.9 mL	.9 mL				
LCSD 580-109254/5-A		EPH Frac, NWTPH/EPH		.9 mL	.9 mL				
580-32287-B-18-A	IDW-02-040612	EPH Frac, NWTPH/EPH	T	.6 mL	.6 mL	slight precipitation			
580-32287-A-2-A	YK-MW-08(4.2-5.0)	EPH Frac, NWTPH/EPH	T	.5 mL	1 mL	dark with precipitate			
580-32287-A-4-A	YK-SB-21(9.8-10. 0)	EPH Frac, NWTPH/EPH	T	.5 mL	1 mL	dark with precipitate			
580-32287-A-11-A	YK-SB-22(3.0-3.3)	EPH Frac, NWTPH/EPH	T	.5 mL	1 mL	dark with precipitate			
580-32287-A-12-A	YK-SB-23(3.0-3.5)	EPH Frac, NWTPH/EPH	T	.6 mL	.6 mL	slight precipitate			
580-32287-A-14-A	YK-SB-24(3.0-3.3)	EPH Frac, NWTPH/EPH	T	.6 mL	.6 mL	slight precipitate			

Batch Notes	
Hexane Lot#	891293
MeCL2 Lot #	892214
N-evap temperature	29.5 Celsius
Silica Gel Lot Number	875841
Uncorrected N-evap Temperature	30 Celsius

Basis	Basis Description
T	Total/NA

Method 8082

Polychlorinated Biphenyls (PCBs) by
Gas Chromatography by Method 8082

FORM II
PCBS SURROGATE RECOVERY

Lab Name: TestAmerica Seattle Job No.: 580-32287-1

SDG No.: _____

Matrix: Solid Level: Low

GC Column (1): ZB-XLB-HT ID: 0.25 (mm) GC Column (2): ZB-35-HT ID: 0.25 (mm)

Client Sample ID	Lab Sample ID	TCX1 #	TCX2 #	DCB1 #	DCB2 #
YK-MW-08 (11.45-12.2)	580-32287-1	75	62	81	51
YK-MW-08 (4.2-5.0)	580-32287-2	78	72	65	44 X
YK-SB-21 (4.5-5.0)	580-32287-3	72	70	69	47 X
YK-SB-21 (9.8-10.0)	580-32287-4	88	85	89	60
YK-SB-19 (3.3-4.3)	580-32287-5	81	75	88	60
YK-SB-19 (9.0-10.0)	580-32287-6	76	70	68	47 X
YK-SB-20 (4.0-4.7)	580-32287-7	49	44 X	51	34 X
YK-SB-20 (5.2-6.5)	580-32287-8	45	39 X	40 X	27 X
YK-SB-20 (5.2-6.5) D up	580-32287-9	53	50	50	34 X
YK-SB-22 (6.9-7.1)	580-32287-10	77	76	81	54
YK-SB-22 (3.0-3.3)	580-32287-11	54	52	53	36 X
YK-SB-23 (3.0-3.5)	580-32287-12	23 X	20 X	24 X	16 X
YK-SB-23 (6.5-7.0)	580-32287-13	75	67	74	49 X
YK-SB-24 (3.0-3.3)	580-32287-14	29 X	24 X	33 X	22 X
YK-SB-24 (6.5-6.8)	580-32287-15	68	61	64	43 X
IDW-01-040612	580-32287-16	65	61	64	43 X
	MB 580-109461/1-A	92	86	105	71
	LCS 580-109461/3-A	85	78	101	68

TCX = Tetrachloro-m-xylene
DCB = DCB Decachlorobiphenyl

QC LIMITS
45-135
50-140

Column to be used to flag recovery values

FORM II
PCBS SURROGATE RECOVERY

Lab Name: TestAmerica Seattle Job No.: 580-32287-1

SDG No.: _____

Matrix: Water Level: Low

GC Column (1): ZB-XLB-HT ID: 0.25 (mm) GC Column (2): ZB-35-HT ID: 0.25 (mm)

Client Sample ID	Lab Sample ID	TCX1	#	TCX2	#	DCB1	#	DCB2	#
MW-08-040612	580-32287-17	69		66		69		48	
IDW-02-040612	580-32287-18	68		61		47		33	X
	MB 580-109093/1-A	52	X	48	X	43		30	X
	LCS 580-109093/2-A	49	X	48	X	41		29	X
	LCSD 580-109093/3-A	35	X	31	X	28	X	19	X

TCX = Tetrachloro-m-xylene
DCB = DCB Decachlorobiphenyl

QC LIMITS
60-150
40-135

Column to be used to flag recovery values

FORM III
PCBS LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
SDG No.: _____
Matrix: Water Level: Low Lab File ID: BB001374.D
Lab ID: LCS 580-109093/2-A Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
PCB-1016	1.00	0.666	67	25-145	
PCB-1260	1.00	0.642	64	30-145	

Column to be used to flag recovery and RPD values

FORM III
PCBS LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Seattle Job No.: 580-32287-1

SDG No.: _____

Matrix: Solid Level: Low Lab File ID: BB001561.D

Lab ID: LCS 580-109461/3-A Client ID: _____

COMPOUND	SPIKE ADDED (mg/Kg)	LCS CONCENTRATION (mg/Kg)	LCS % REC	QC LIMITS REC	#
PCB-1016	0.100	0.0893	89	40-140	
PCB-1260	0.100	0.106	106	60-130	

Column to be used to flag recovery and RPD values

FORM III
PCBS LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
SDG No.: _____
Matrix: Water Level: Low Lab File ID: BB001375.D
Lab ID: LCSD 580-109093/3-A Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
PCB-1016	1.00	0.440 J	44	41	27	25-145	*
PCB-1260	1.00	0.484 J	48	28	22	30-145	*

Column to be used to flag recovery and RPD values

FORM IV
PCBS METHOD BLANK SUMMARY

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
SDG No.: _____
Lab Sample ID: MB 580-109093/1-A
Matrix: Water Date Extracted: 04/11/2012 17:32
Lab File ID: (1) BB001373.D Lab File ID: (2) BB001373.D
Date Analyzed: (1) 04/13/2012 09:37 Date Analyzed: (2) 04/13/2012 09:37
Instrument ID: (1) TAC045 Instrument ID: (2) TAC045
GC Column: (1) ZB-XLB-HT ID: 0.25 (mm) GC Column: (2) ZB-35-HT ID: 0.25 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
	LCS 580-109093/2-A	04/13/2012 09:51	04/13/2012 09:51
	LCSD 580-109093/3-A	04/13/2012 10:04	04/13/2012 10:04
MW-08-040612	580-32287-17	04/13/2012 10:32	04/13/2012 10:32
IDW-02-040612	580-32287-18	04/13/2012 10:45	04/13/2012 10:45

FORM IV
PCBS METHOD BLANK SUMMARY

Lab Name: TestAmerica Seattle Job No.: 580-32287-1

SDG No.: _____

Lab Sample ID: MB 580-109461/1-A

Matrix: Solid Date Extracted: 04/17/2012 12:25

Lab File ID: (1) BB001560.D Lab File ID: (2) BB001560.D

Date Analyzed: (1) 04/18/2012 13:03 Date Analyzed: (2) 04/18/2012 13:03

Instrument ID: (1) TAC045 Instrument ID: (2) TAC045

GC Column: (1) ZB-XLB-HT ID: 0.25 (mm) GC Column: (2) ZB-35-HT ID: 0.25 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
	LCS 580-109461/3-A	04/18/2012 13:17	04/18/2012 13:17
YK-MW-08 (11.45-12.2)	580-32287-1	04/18/2012 13:44	04/18/2012 13:44
YK-MW-08 (4.2-5.0)	580-32287-2	04/18/2012 13:58	04/18/2012 13:58
YK-SB-21 (4.5-5.0)	580-32287-3	04/18/2012 14:11	04/18/2012 14:11
YK-SB-21 (9.8-10.0)	580-32287-4	04/18/2012 14:25	04/18/2012 14:25
YK-SB-19 (3.3-4.3)	580-32287-5	04/18/2012 14:38	04/18/2012 14:38
YK-SB-19 (9.0-10.0)	580-32287-6	04/18/2012 14:52	04/18/2012 14:52
YK-SB-20 (4.0-4.7)	580-32287-7	04/18/2012 15:06	04/18/2012 15:06
YK-SB-20 (5.2-6.5)	580-32287-8	04/18/2012 15:47	04/18/2012 15:47
YK-SB-20 (5.2-6.5) Dup	580-32287-9	04/18/2012 16:00	04/18/2012 16:00
YK-SB-22 (6.9-7.1)	580-32287-10	04/18/2012 16:14	04/18/2012 16:14
YK-SB-22 (3.0-3.3)	580-32287-11	04/18/2012 16:27	04/18/2012 16:27
YK-SB-23 (3.0-3.5)	580-32287-12	04/18/2012 16:41	04/18/2012 16:41
YK-SB-23 (6.5-7.0)	580-32287-13	04/18/2012 16:56	04/18/2012 16:56
YK-SB-24 (3.0-3.3)	580-32287-14	04/18/2012 17:10	04/18/2012 17:10
YK-SB-24 (6.5-6.8)	580-32287-15	04/18/2012 17:23	04/18/2012 17:23
IDW-01-040612	580-32287-16	04/18/2012 17:37	04/18/2012 17:37

FORM VIII
PCBS ANALYTICAL SEQUENCE

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
 SDG No.: _____
 Sample No.: CCVRT 580-109208/1 Date Analyzed: 04/13/2012 07:48
 Instrument ID: TAC045 GC Column: ZB-XLB-HT ID: 0.25 (mm)
 Lab File ID (Standard): BB001368.D Heated Purge: (Y/N) N
 Calibration ID: 10509

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSS IS GIVEN BELOW:

				TCX	DCB	
				RT #	RT #	
CONTINUING CALIBRATION SURROGATE				2.84	7.35	
UPPER LIMIT				2.87	7.38	
LOWER LIMIT				2.81	7.32	
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCVRT 580-109208/1		04/13/2012 07:48	BB001368.D	2.84	7.35	
MB 580-109093/1-A		04/13/2012 09:37	BB001373.D	2.85	7.36	
LCS 580-109093/2-A		04/13/2012 09:51	BB001374.D	2.84	7.35	
LCSD 580-109093/3-A		04/13/2012 10:04	BB001375.D	2.84	7.35	
580-32287-17	MW-08-040612	04/13/2012 10:32	BB001377.D	2.84	7.35	
580-32287-18	IDW-02-040612	04/13/2012 10:45	BB001378.D	2.84	7.35	
CCV 580-109208/12		04/13/2012 10:59	BB001379.D	2.84	7.35	

TCX = Tetrachloro-m-xylene
 DCB = DCB Decachlorobiphenyl

TCX RT Limit = ± 0.03 minutes of surrogate RT
 DCB RT Limit = ± 0.03 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII
PCBS ANALYTICAL SEQUENCE

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
SDG No.: _____
Sample No.: CCVRT 580-109208/1 Date Analyzed: 04/13/2012 07:48
Instrument ID: TAC045 GC Column: ZB-35-HT ID: 0.25 (mm)
Lab File ID (Standard): BB001368.D Heated Purge: (Y/N) N
Calibration ID: 10510

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSS IS GIVEN BELOW:

				TCX	DCB	
				RT #	RT #	
CONTINUING CALIBRATION SURROGATE				2.88	7.62	
UPPER LIMIT				2.91	7.65	
LOWER LIMIT				2.85	7.59	
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCVRT 580-109208/1		04/13/2012 07:48	BB001368.D	2.88	7.62	
CCV 580-109208/12		04/13/2012 10:59	BB001379.D	2.88	7.62	

TCX = Tetrachloro-m-xylene
DCB = DCB Decachlorobiphenyl

TCX RT Limit = ± 0.03 minutes of surrogate RT
DCB RT Limit = ± 0.03 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII
PCBS ANALYTICAL SEQUENCE

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
 SDG No.: _____
 Sample No.: CCVRT 580-109551/1 Date Analyzed: 04/18/2012 11:55
 Instrument ID: TAC045 GC Column: ZB-XLB-HT ID: 0.25 (mm)
 Lab File ID (Standard): BB001555.D Heated Purge: (Y/N) N
 Calibration ID: 10509

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				TCX	DCB	
				RT #	RT #	
CONTINUING CALIBRATION SURROGATE				2.84	7.35	
UPPER LIMIT				2.87	7.38	
LOWER LIMIT				2.81	7.32	
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCVRT 580-109551/1		04/18/2012 11:55	BB001555.D	2.84	7.35	
MB 580-109461/1-A		04/18/2012 13:03	BB001560.D	2.84		
LCS 580-109461/3-A		04/18/2012 13:17	BB001561.D	2.84		
580-32287-1	YK-MW-08 (11.45-12.2)	04/18/2012 13:44	BB001563.D	2.84		
580-32287-2	YK-MW-08 (4.2-5.0)	04/18/2012 13:58	BB001564.D	2.84		
580-32287-3	YK-SB-21 (4.5-5.0)	04/18/2012 14:11	BB001565.D	2.84		
580-32287-4	YK-SB-21 (9.8-10.0)	04/18/2012 14:25	BB001566.D	2.84		
580-32287-5	YK-SB-19 (3.3-4.3)	04/18/2012 14:38	BB001567.D	2.84		
580-32287-6	YK-SB-19 (9.0-10.0)	04/18/2012 14:52	BB001568.D	2.84		
580-32287-7	YK-SB-20 (4.0-4.7)	04/18/2012 15:06	BB001569.D	2.84		
CCV 580-109551/16		04/18/2012 15:19	BB001570.D	2.84	7.35	
580-32287-8	YK-SB-20 (5.2-6.5)	04/18/2012 15:47	BB001572.D	2.84		
580-32287-9	YK-SB-20 (5.2-6.5) Dup	04/18/2012 16:00	BB001573.D	2.84		
580-32287-10	YK-SB-22 (6.9-7.1)	04/18/2012 16:14	BB001574.D	2.84		
580-32287-11	YK-SB-22 (3.0-3.3)	04/18/2012 16:27	BB001575.D	2.84		
580-32287-12	YK-SB-23 (3.0-3.5)	04/18/2012 16:41	BB001576.D	2.84		
580-32287-13	YK-SB-23 (6.5-7.0)	04/18/2012 16:56	BB001577.D	2.84		
580-32287-14	YK-SB-24 (3.0-3.3)	04/18/2012 17:10	BB001578.D	2.84		
580-32287-15	YK-SB-24 (6.5-6.8)	04/18/2012 17:23	BB001579.D	2.84		
580-32287-16	IDW-01-040612	04/18/2012 17:37	BB001580.D	2.84		
CCV 580-109551/28		04/18/2012 18:04	BB001582.D	2.84	7.35	

TCX = Tetrachloro-m-xylene
 DCB = DCB Decachlorobiphenyl

TCX RT Limit = ± 0.03 minutes of surrogate RT
 DCB RT Limit = ± 0.03 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII
PCBS ANALYTICAL SEQUENCE

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
 SDG No.: _____
 Sample No.: CCVRT 580-109551/1 Date Analyzed: 04/18/2012 11:55
 Instrument ID: TAC045 GC Column: ZB-35-HT ID: 0.25 (mm)
 Lab File ID (Standard): BB001555.D Heated Purge: (Y/N) N
 Calibration ID: 10510

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				TCX	DCB	
				RT #	RT #	
CONTINUING CALIBRATION SURROGATE				2.88	7.62	
UPPER LIMIT				2.91	7.65	
LOWER LIMIT				2.85	7.59	
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCVRT 580-109551/1		04/18/2012 11:55	BB001555.D	2.88	7.62	
MB 580-109461/1-A		04/18/2012 13:03	BB001560.D		7.62	
LCS 580-109461/3-A		04/18/2012 13:17	BB001561.D		7.62	
580-32287-1	YK-MW-08 (11.45-12.2)	04/18/2012 13:44	BB001563.D		7.62	
580-32287-2	YK-MW-08 (4.2-5.0)	04/18/2012 13:58	BB001564.D		7.62	
580-32287-3	YK-SB-21 (4.5-5.0)	04/18/2012 14:11	BB001565.D		7.62	
580-32287-4	YK-SB-21 (9.8-10.0)	04/18/2012 14:25	BB001566.D		7.62	
580-32287-5	YK-SB-19 (3.3-4.3)	04/18/2012 14:38	BB001567.D		7.62	
580-32287-6	YK-SB-19 (9.0-10.0)	04/18/2012 14:52	BB001568.D		7.62	
580-32287-7	YK-SB-20 (4.0-4.7)	04/18/2012 15:06	BB001569.D		7.62	
CCV 580-109551/16		04/18/2012 15:19	BB001570.D	2.88	7.62	
580-32287-8	YK-SB-20 (5.2-6.5)	04/18/2012 15:47	BB001572.D		7.62	
580-32287-9	YK-SB-20 (5.2-6.5) Dup	04/18/2012 16:00	BB001573.D		7.62	
580-32287-10	YK-SB-22 (6.9-7.1)	04/18/2012 16:14	BB001574.D		7.62	
580-32287-11	YK-SB-22 (3.0-3.3)	04/18/2012 16:27	BB001575.D		7.62	
580-32287-12	YK-SB-23 (3.0-3.5)	04/18/2012 16:41	BB001576.D		7.62	
580-32287-13	YK-SB-23 (6.5-7.0)	04/18/2012 16:56	BB001577.D		7.62	
580-32287-14	YK-SB-24 (3.0-3.3)	04/18/2012 17:10	BB001578.D		7.62	
580-32287-15	YK-SB-24 (6.5-6.8)	04/18/2012 17:23	BB001579.D		7.62	
580-32287-16	IDW-01-040612	04/18/2012 17:37	BB001580.D		7.62	
CCV 580-109551/28		04/18/2012 18:04	BB001582.D	2.88	7.62	

TCX = Tetrachloro-m-xylene
 DCB = DCB Decachlorobiphenyl

TCX RT Limit = ± 0.03 minutes of surrogate RT
 DCB RT Limit = ± 0.03 minutes of surrogate RT

Column used to flag values outside QC limits

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
 SDG No.: _____
 Client Sample ID: YK-MW-08(4.2-5.0) Lab Sample ID: 580-32287-2
 Instrument ID (1): TAC045 Instrument ID (2): TAC045
 Date Analyzed (1): 04/18/2012 13:58 Date Analyzed (2): 04/18/2012 13:58
 GC Column (1): ZB-XLB-HT ID: 0.25(mm) GC Column (2): ZB-35-HT ID: 0.25(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
PCB-1254	1	2	5.12	5.09	5.15	0.0133	0.0030	3.0
	2	1	4.90	4.87	4.93	0.00390	0.0031	
		3	5.40	5.37	5.43	0.00872		
PCB-1260	1	1	5.26	5.23	5.29	0.0125	0.0089	67.6
		4	6.22	6.19	6.25	0.00461		
		5	6.45	6.42	6.48	0.00951		
	2	4	6.47	6.44	6.50	0.00471	0.0044	
		5	6.77	6.73	6.79	0.00731		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
 SDG No.: _____
 Client Sample ID: YK-SB-21(4.5-5.0) Lab Sample ID: 580-32287-3
 Instrument ID (1): TAC045 Instrument ID (2): TAC045
 Date Analyzed (1): 04/18/2012 14:11 Date Analyzed (2): 04/18/2012 14:11
 GC Column (1): ZB-XLB-HT ID: 0.25(mm) GC Column (2): ZB-35-HT ID: 0.25(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
PCB-1254	1	1	4.84	4.80	4.86	0.0103	0.015	8.5
		2	5.12	5.09	5.15	0.0362		
	2	1	4.90	4.87	4.93	0.0180	0.016	
		2	5.05	5.02	5.08	0.0169		
		3	5.39	5.37	5.43	0.0287		
PCB-1260	1	1	5.26	5.23	5.29	0.0295	0.015	98.5
		4	6.22	6.19	6.25	0.00631		
		5	6.45	6.42	6.48	0.0103		
	2	4	6.47	6.44	6.50	0.00600	0.0052	
		5	6.76	6.73	6.79	0.00764		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
 SDG No.: _____
 Client Sample ID: YK-SB-21(9.8-10.0) Lab Sample ID: 580-32287-4
 Instrument ID (1): TAC045 Instrument ID (2): TAC045
 Date Analyzed (1): 04/18/2012 14:25 Date Analyzed (2): 04/18/2012 14:25
 GC Column (1): ZB-XLB-HT ID: 0.25(mm) GC Column (2): ZB-35-HT ID: 0.25(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
PCB-1254	1	1	4.83	4.80	4.86	0.0217	0.023	20.3
		2	5.12	5.09	5.15	0.0441		
		3	5.38	5.34	5.40	0.00277		
	2	1	4.90	4.87	4.93	0.0185	0.019	
		2	5.05	5.02	5.08	0.0220		
		3	5.40	5.37	5.43	0.0297		
		4	5.59	5.57	5.63	0.00428		
PCB-1260	1	1	5.26	5.23	5.29	0.0289	0.016	11.9
		4	6.22	6.19	6.25	0.00698		
		5	6.45	6.42	6.48	0.0119		
	2	3	6.26	6.21	6.27	0.0247	0.014	
		4	6.47	6.44	6.50	0.00713		
		5	6.76	6.73	6.79	0.0108		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
 SDG No.: _____
 Client Sample ID: YK-SB-20(5.2-6.5) Lab Sample ID: 580-32287-8
 Instrument ID (1): TAC045 Instrument ID (2): TAC045
 Date Analyzed (1): 04/18/2012 15:47 Date Analyzed (2): 04/18/2012 15:47
 GC Column (1): ZB-XLB-HT ID: 0.25(mm) GC Column (2): ZB-35-HT ID: 0.25(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
PCB-1254	1	1	4.84	4.80	4.86	0.00315	0.0044	7.0
		2	5.12	5.09	5.15	0.0100		
		4	5.49	5.46	5.52	0.00783		
	2	1	4.90	4.87	4.93	0.00467	0.0041	
		3	5.39	5.37	5.43	0.0100		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
 SDG No.: _____
 Client Sample ID: YK-SB-20(5.2-6.5)Dup Lab Sample ID: 580-32287-9
 Instrument ID (1): TAC045 Instrument ID (2): TAC045
 Date Analyzed (1): 04/18/2012 16:00 Date Analyzed (2): 04/18/2012 16:00
 GC Column (1): ZB-XLB-HT ID: 0.25(mm) GC Column (2): ZB-35-HT ID: 0.25(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
PCB-1254	1	2	5.12	5.09	5.15	0.0106	0.0043	23.8
		4	5.49	5.46	5.52	0.00894		
	2	1	4.90	4.87	4.93	0.00393	0.0034	
		3	5.39	5.37	5.43	0.00880		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 580-109093/2-A
 Instrument ID (1): TAC045 Instrument ID (2): TAC045
 Date Analyzed (1): 04/13/2012 09:51 Date Analyzed (2): 04/13/2012 09:51
 GC Column (1): ZB-XLB-HT ID: 0.25(mm) GC Column (2): ZB-35-HT ID: 0.25(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
PCB-1016	1	1	3.53	3.50	3.56	0.675	0.666	19.4
		2	3.68	3.65	3.71	0.837		
		3	3.98	3.95	4.01	0.502		
		4	4.08	4.05	4.11	0.601		
		5	4.32	4.29	4.35	0.716		
	2	1	3.46	3.43	3.49	0.601	0.548	
		2	3.79	3.76	3.82	0.583		
		3	4.16	4.13	4.19	0.460		
		4	4.24	4.21	4.27	0.544		
		5	4.34	4.31	4.37	0.552		
PCB-1260	1	1	5.26	5.23	5.29	0.681	0.642	17.1
		2	5.49	5.46	5.52	0.604		
		3	5.71	5.68	5.74	0.559		
		4	6.22	6.19	6.25	0.672		
		5	6.45	6.42	6.48	0.692		
	2	1	5.52	5.49	5.55	0.566	0.541	
		2	5.98	5.95	6.01	0.451		
		3	6.24	6.21	6.27	0.585		
		4	6.47	6.44	6.50	0.541		
		5	6.76	6.73	6.79	0.564		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCSD 580-109093/3-A
 Instrument ID (1): TAC045 Instrument ID (2): TAC045
 Date Analyzed (1): 04/13/2012 10:04 Date Analyzed (2): 04/13/2012 10:04
 GC Column (1): ZB-XLB-HT ID: 0.25 (mm) GC Column (2): ZB-35-HT ID: 0.25 (mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
PCB-1016	1	1	3.53	3.50	3.56	0.438	0.440	16.0
		2	3.68	3.65	3.71	0.517		
		3	3.98	3.95	4.01	0.357		
		4	4.08	4.05	4.11	0.399		
		5	4.32	4.29	4.35	0.490		
	2	1	3.46	3.43	3.49	0.398	0.375	
		2	3.79	3.76	3.82	0.441		
		3	4.16	4.13	4.19	0.313		
		4	4.24	4.21	4.27	0.362		
		5	4.34	4.31	4.37	0.362		
PCB-1260	1	1	5.26	5.23	5.29	0.486	0.484	18.0
		2	5.49	5.46	5.52	0.463		
		3	5.71	5.68	5.74	0.429		
		4	6.22	6.19	6.25	0.530		
		5	6.45	6.42	6.48	0.512		
	2	1	5.52	5.49	5.55	0.413	0.404	
		2	5.97	5.95	6.01	0.348		
		3	6.24	6.21	6.27	0.433		
		4	6.47	6.44	6.50	0.410		
		5	6.76	6.73	6.79	0.416		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 580-109461/3-A
 Instrument ID (1): TAC045 Instrument ID (2): TAC045
 Date Analyzed (1): 04/18/2012 13:17 Date Analyzed (2): 04/18/2012 13:17
 GC Column (1): ZB-XLB-HT ID: 0.25 (mm) GC Column (2): ZB-35-HT ID: 0.25 (mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
PCB-1016	1	1	3.53	3.50	3.56	0.0862	0.0893	4.6
		2	3.68	3.65	3.71	0.0874		
		3	3.98	3.95	4.01	0.0904		
		4	4.08	4.05	4.11	0.0893		
		5	4.32	4.29	4.35	0.0934		
	2	1	3.46	3.43	3.49	0.0867	0.0853	
		2	3.79	3.76	3.82	0.0812		
		3	4.16	4.13	4.19	0.0811		
		4	4.24	4.21	4.27	0.0913		
		5	4.34	4.31	4.37	0.0860		
PCB-1260	1	1	5.26	5.23	5.29	0.100	0.106	19.7
		2	5.49	5.46	5.52	0.100		
		3	5.71	5.68	5.74	0.0941		
		4	6.22	6.19	6.25	0.117		
		5	6.45	6.42	6.48	0.117		
	2	1	5.52	5.49	5.55	0.0816	0.0867	
		2	5.97	5.95	6.01	0.0742		
		3	6.24	6.21	6.27	0.0897		
		4	6.47	6.44	6.50	0.0945		
		5	6.76	6.73	6.79	0.0937		

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
 SDG No.: _____
 Client Sample ID: YK-MW-08(11.45-12.2) Lab Sample ID: 580-32287-1
 Matrix: Solid Lab File ID: BB001563.D
 Analysis Method: 8082 Date Collected: 04/04/2012 15:11
 Extraction Method: 3550B Date Extracted: 04/17/2012 12:27
 Sample wt/vol: 10.5641(g) Date Analyzed: 04/18/2012 13:44
 Con. Extract Vol.: 10 (mL) Dilution Factor: 1
 Injection Volume: 1 (uL) GC Column: ZB-XLB-HT ID: 0.25 (mm)
 % Moisture: 23.4 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 109551 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.012	0.0040
11104-28-2	PCB-1221	ND		0.014	0.0099
11141-16-5	PCB-1232	ND		0.014	0.0087
53469-21-9	PCB-1242	ND		0.012	0.0026
12672-29-6	PCB-1248	ND		0.012	0.0037
11097-69-1	PCB-1254	ND		0.012	0.0026
11096-82-5	PCB-1260	ND		0.012	0.0037

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	75		45-135

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
SDG No.: _____
Client Sample ID: YK-MW-08(11.45-12.2) Lab Sample ID: 580-32287-1
Matrix: Solid Lab File ID: BB001563.D
Analysis Method: 8082 Date Collected: 04/04/2012 15:11
Extraction Method: 3550B Date Extracted: 04/17/2012 12:27
Sample wt/vol: 10.5641(g) Date Analyzed: 04/18/2012 13:44
Con. Extract Vol.: 10 (mL) Dilution Factor: 1
Injection Volume: 1 (uL) GC Column: ZB-35-HT ID: 0.25 (mm)
% Moisture: 23.4 GPC Cleanup: (Y/N) N
Analysis Batch No.: 109551 Units: mg/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	51		50-140

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
 SDG No.: _____
 Client Sample ID: YK-MW-08(4.2-5.0) Lab Sample ID: 580-32287-2
 Matrix: Solid Lab File ID: BB001564.D
 Analysis Method: 8082 Date Collected: 04/04/2012 14:37
 Extraction Method: 3550B Date Extracted: 04/17/2012 12:27
 Sample wt/vol: 10.2283(g) Date Analyzed: 04/18/2012 13:58
 Con. Extract Vol.: 10 (mL) Dilution Factor: 1
 Injection Volume: 1 (uL) GC Column: ZB-XLB-HT ID: 0.25 (mm)
 % Moisture: 14.6 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 109551 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.011	0.0037
11104-28-2	PCB-1221	ND		0.013	0.0092
11141-16-5	PCB-1232	ND		0.013	0.0080
53469-21-9	PCB-1242	ND		0.011	0.0024
12672-29-6	PCB-1248	ND		0.011	0.0034
11097-69-1	PCB-1254	0.0030	J	0.011	0.0024
11096-82-5	PCB-1260	0.0089	J	0.011	0.0034

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	78		45-135

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
SDG No.: _____
Client Sample ID: YK-MW-08(4.2-5.0) Lab Sample ID: 580-32287-2
Matrix: Solid Lab File ID: BB001564.D
Analysis Method: 8082 Date Collected: 04/04/2012 14:37
Extraction Method: 3550B Date Extracted: 04/17/2012 12:27
Sample wt/vol: 10.2283(g) Date Analyzed: 04/18/2012 13:58
Con. Extract Vol.: 10 (mL) Dilution Factor: 1
Injection Volume: 1 (uL) GC Column: ZB-35-HT ID: 0.25 (mm)
% Moisture: 14.6 GPC Cleanup: (Y/N) N
Analysis Batch No.: 109551 Units: mg/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	44	X	50-140

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
 SDG No.: _____
 Client Sample ID: YK-SB-21(4.5-5.0) Lab Sample ID: 580-32287-3
 Matrix: Solid Lab File ID: BB001565.D
 Analysis Method: 8082 Date Collected: 04/04/2012 16:17
 Extraction Method: 3550B Date Extracted: 04/17/2012 12:27
 Sample wt/vol: 10.3311(g) Date Analyzed: 04/18/2012 14:11
 Con. Extract Vol.: 10 (mL) Dilution Factor: 1
 Injection Volume: 1 (uL) GC Column: ZB-XLB-HT ID: 0.25 (mm)
 % Moisture: 5.5 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 109551 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.010	0.0033
11104-28-2	PCB-1221	ND		0.011	0.0082
11141-16-5	PCB-1232	ND		0.011	0.0072
53469-21-9	PCB-1242	ND		0.010	0.0022
12672-29-6	PCB-1248	ND		0.010	0.0031
11097-69-1	PCB-1254	0.015		0.010	0.0022
11096-82-5	PCB-1260	0.015		0.010	0.0031

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	72		45-135

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
SDG No.: _____
Client Sample ID: YK-SB-21(4.5-5.0) Lab Sample ID: 580-32287-3
Matrix: Solid Lab File ID: BB001565.D
Analysis Method: 8082 Date Collected: 04/04/2012 16:17
Extraction Method: 3550B Date Extracted: 04/17/2012 12:27
Sample wt/vol: 10.3311(g) Date Analyzed: 04/18/2012 14:11
Con. Extract Vol.: 10 (mL) Dilution Factor: 1
Injection Volume: 1 (uL) GC Column: ZB-35-HT ID: 0.25 (mm)
% Moisture: 5.5 GPC Cleanup: (Y/N) N
Analysis Batch No.: 109551 Units: mg/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	47	X	50-140

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
 SDG No.: _____
 Client Sample ID: YK-SB-21(9.8-10.0) Lab Sample ID: 580-32287-4
 Matrix: Solid Lab File ID: BB001566.D
 Analysis Method: 8082 Date Collected: 04/04/2012 16:39
 Extraction Method: 3550B Date Extracted: 04/17/2012 12:27
 Sample wt/vol: 10.6846(g) Date Analyzed: 04/18/2012 14:25
 Con. Extract Vol.: 10 (mL) Dilution Factor: 1
 Injection Volume: 1 (uL) GC Column: ZB-XLB-HT ID: 0.25 (mm)
 % Moisture: 11.3 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 109551 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.011	0.0034
11104-28-2	PCB-1221	ND		0.012	0.0084
11141-16-5	PCB-1232	ND		0.012	0.0074
53469-21-9	PCB-1242	ND		0.011	0.0022
12672-29-6	PCB-1248	ND		0.011	0.0032
11097-69-1	PCB-1254	0.023		0.011	0.0022
11096-82-5	PCB-1260	0.016		0.011	0.0032

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	88		45-135

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
SDG No.: _____
Client Sample ID: YK-SB-21(9.8-10.0) Lab Sample ID: 580-32287-4
Matrix: Solid Lab File ID: BB001566.D
Analysis Method: 8082 Date Collected: 04/04/2012 16:39
Extraction Method: 3550B Date Extracted: 04/17/2012 12:27
Sample wt/vol: 10.6846(g) Date Analyzed: 04/18/2012 14:25
Con. Extract Vol.: 10 (mL) Dilution Factor: 1
Injection Volume: 1 (uL) GC Column: ZB-35-HT ID: 0.25 (mm)
% Moisture: 11.3 GPC Cleanup: (Y/N) N
Analysis Batch No.: 109551 Units: mg/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	60		50-140

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
 SDG No.: _____
 Client Sample ID: YK-SB-19(3.3-4.3) Lab Sample ID: 580-32287-5
 Matrix: Solid Lab File ID: BB001567.D
 Analysis Method: 8082 Date Collected: 04/05/2012 09:13
 Extraction Method: 3550B Date Extracted: 04/17/2012 12:27
 Sample wt/vol: 10.4719(g) Date Analyzed: 04/18/2012 14:38
 Con. Extract Vol.: 10 (mL) Dilution Factor: 1
 Injection Volume: 1 (uL) GC Column: ZB-XLB-HT ID: 0.25 (mm)
 % Moisture: 7.4 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 109551 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.010	0.0033
11104-28-2	PCB-1221	ND		0.011	0.0082
11141-16-5	PCB-1232	ND		0.011	0.0072
53469-21-9	PCB-1242	ND		0.010	0.0022
12672-29-6	PCB-1248	ND		0.010	0.0031
11097-69-1	PCB-1254	ND		0.010	0.0022
11096-82-5	PCB-1260	ND		0.010	0.0031

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	81		45-135

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Lab Name: TestAmerica Seattle Job No.: 580-32287-1
SDG No.: _____
Client Sample ID: YK-SB-19(3.3-4.3) Lab Sample ID: 580-32287-5
Matrix: Solid Lab File ID: BB001567.D
Analysis Method: 8082 Date Collected: 04/05/2012 09:13
Extraction Method: 3550B Date Extracted: 04/17/2012 12:27
Sample wt/vol: 10.4719(g) Date Analyzed: 04/18/2012 14:38
Con. Extract Vol.: 10 (mL) Dilution Factor: 1
Injection Volume: 1 (uL) GC Column: ZB-35-HT ID: 0.25 (mm)
% Moisture: 7.4 GPC Cleanup: (Y/N) N
Analysis Batch No.: 109551 Units: mg/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	60		50-140

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Lab Name: TestAmerica Seattle Job No.: 580-32287-1
 SDG No.: _____
 Client Sample ID: YK-SB-19(9.0-10.0) Lab Sample ID: 580-32287-6
 Matrix: Solid Lab File ID: BB001568.D
 Analysis Method: 8082 Date Collected: 04/05/2012 09:29
 Extraction Method: 3550B Date Extracted: 04/17/2012 12:27
 Sample wt/vol: 10.1052(g) Date Analyzed: 04/18/2012 14:52
 Con. Extract Vol.: 10 (mL) Dilution Factor: 1
 Injection Volume: 1 (uL) GC Column: ZB-XLB-HT ID: 0.25 (mm)
 % Moisture: 7.3 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 109551 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.011	0.0034
11104-28-2	PCB-1221	ND		0.012	0.0085
11141-16-5	PCB-1232	ND		0.012	0.0075
53469-21-9	PCB-1242	ND		0.011	0.0022
12672-29-6	PCB-1248	ND		0.011	0.0032
11097-69-1	PCB-1254	ND		0.011	0.0022
11096-82-5	PCB-1260	ND		0.011	0.0032

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	76		45-135

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Lab Name: TestAmerica Seattle Job No.: 580-32287-1
SDG No.: _____
Client Sample ID: YK-SB-19(9.0-10.0) Lab Sample ID: 580-32287-6
Matrix: Solid Lab File ID: BB001568.D
Analysis Method: 8082 Date Collected: 04/05/2012 09:29
Extraction Method: 3550B Date Extracted: 04/17/2012 12:27
Sample wt/vol: 10.1052(g) Date Analyzed: 04/18/2012 14:52
Con. Extract Vol.: 10 (mL) Dilution Factor: 1
Injection Volume: 1 (uL) GC Column: ZB-35-HT ID: 0.25 (mm)
% Moisture: 7.3 GPC Cleanup: (Y/N) N
Analysis Batch No.: 109551 Units: mg/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	47	X	50-140

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Lab Name: TestAmerica Seattle Job No.: 580-32287-1
 SDG No.: _____
 Client Sample ID: YK-SB-20(4.0-4.7) Lab Sample ID: 580-32287-7
 Matrix: Solid Lab File ID: BB001569.D
 Analysis Method: 8082 Date Collected: 04/05/2012 10:37
 Extraction Method: 3550B Date Extracted: 04/17/2012 12:27
 Sample wt/vol: 10.8522(g) Date Analyzed: 04/18/2012 15:06
 Con. Extract Vol.: 10 (mL) Dilution Factor: 1
 Injection Volume: 1 (uL) GC Column: ZB-XLB-HT ID: 0.25 (mm)
 % Moisture: 27.2 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 109551 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.013	0.0040
11104-28-2	PCB-1221	ND		0.014	0.010
11141-16-5	PCB-1232	ND		0.014	0.0089
53469-21-9	PCB-1242	ND		0.013	0.0027
12672-29-6	PCB-1248	ND		0.013	0.0038
11097-69-1	PCB-1254	ND		0.013	0.0027
11096-82-5	PCB-1260	ND		0.013	0.0038

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	49		45-135

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Lab Name: TestAmerica Seattle Job No.: 580-32287-1
SDG No.: _____
Client Sample ID: YK-SB-20(4.0-4.7) Lab Sample ID: 580-32287-7
Matrix: Solid Lab File ID: BB001569.D
Analysis Method: 8082 Date Collected: 04/05/2012 10:37
Extraction Method: 3550B Date Extracted: 04/17/2012 12:27
Sample wt/vol: 10.8522(g) Date Analyzed: 04/18/2012 15:06
Con. Extract Vol.: 10 (mL) Dilution Factor: 1
Injection Volume: 1 (uL) GC Column: ZB-35-HT ID: 0.25 (mm)
% Moisture: 27.2 GPC Cleanup: (Y/N) N
Analysis Batch No.: 109551 Units: mg/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	34	X	50-140

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Lab Name: TestAmerica Seattle Job No.: 580-32287-1
 SDG No.: _____
 Client Sample ID: YK-SB-20(5.2-6.5) Lab Sample ID: 580-32287-8
 Matrix: Solid Lab File ID: BB001572.D
 Analysis Method: 8082 Date Collected: 04/05/2012 10:59
 Extraction Method: 3550B Date Extracted: 04/17/2012 12:27
 Sample wt/vol: 10.3871(g) Date Analyzed: 04/18/2012 15:47
 Con. Extract Vol.: 10 (mL) Dilution Factor: 1
 Injection Volume: 1 (uL) GC Column: ZB-XLB-HT ID: 0.25 (mm)
 % Moisture: 25.8 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 109551 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.013	0.0042
11104-28-2	PCB-1221	ND		0.014	0.010
11141-16-5	PCB-1232	ND		0.014	0.0091
53469-21-9	PCB-1242	ND		0.013	0.0027
12672-29-6	PCB-1248	ND		0.013	0.0039
11097-69-1	PCB-1254	0.0044	J	0.013	0.0027
11096-82-5	PCB-1260	ND		0.013	0.0039

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	45		45-135

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PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
SDG No.: _____
Client Sample ID: YK-SB-20(5.2-6.5) Lab Sample ID: 580-32287-8
Matrix: Solid Lab File ID: BB001572.D
Analysis Method: 8082 Date Collected: 04/05/2012 10:59
Extraction Method: 3550B Date Extracted: 04/17/2012 12:27
Sample wt/vol: 10.3871(g) Date Analyzed: 04/18/2012 15:47
Con. Extract Vol.: 10(mL) Dilution Factor: 1
Injection Volume: 1(uL) GC Column: ZB-35-HT ID: 0.25(mm)
% Moisture: 25.8 GPC Cleanup: (Y/N) N
Analysis Batch No.: 109551 Units: mg/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	27	X	50-140

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Lab Name: TestAmerica Seattle Job No.: 580-32287-1
 SDG No.: _____
 Client Sample ID: YK-SB-20(5.2-6.5)Dup Lab Sample ID: 580-32287-9
 Matrix: Solid Lab File ID: BB001573.D
 Analysis Method: 8082 Date Collected: 04/05/2012 10:59
 Extraction Method: 3550B Date Extracted: 04/17/2012 12:27
 Sample wt/vol: 10.0400(g) Date Analyzed: 04/18/2012 16:00
 Con. Extract Vol.: 10(mL) Dilution Factor: 1
 Injection Volume: 1(uL) GC Column: ZB-XLB-HT ID: 0.25(mm)
 % Moisture: 24.9 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 109551 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.013	0.0042
11104-28-2	PCB-1221	ND		0.015	0.011
11141-16-5	PCB-1232	ND		0.015	0.0093
53469-21-9	PCB-1242	ND		0.013	0.0028
12672-29-6	PCB-1248	ND		0.013	0.0040
11097-69-1	PCB-1254	0.0043	J	0.013	0.0028
11096-82-5	PCB-1260	ND		0.013	0.0040

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	53		45-135

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Lab Name: TestAmerica Seattle Job No.: 580-32287-1
SDG No.: _____
Client Sample ID: YK-SB-20(5.2-6.5)Dup Lab Sample ID: 580-32287-9
Matrix: Solid Lab File ID: BB001573.D
Analysis Method: 8082 Date Collected: 04/05/2012 10:59
Extraction Method: 3550B Date Extracted: 04/17/2012 12:27
Sample wt/vol: 10.0400(g) Date Analyzed: 04/18/2012 16:00
Con. Extract Vol.: 10(mL) Dilution Factor: 1
Injection Volume: 1(uL) GC Column: ZB-35-HT ID: 0.25(mm)
% Moisture: 24.9 GPC Cleanup: (Y/N) N
Analysis Batch No.: 109551 Units: mg/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	34	X	50-140

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Lab Name: TestAmerica Seattle Job No.: 580-32287-1
 SDG No.: _____
 Client Sample ID: YK-SB-22(6.9-7.1) Lab Sample ID: 580-32287-10
 Matrix: Solid Lab File ID: BB001574.D
 Analysis Method: 8082 Date Collected: 04/05/2012 13:47
 Extraction Method: 3550B Date Extracted: 04/17/2012 12:27
 Sample wt/vol: 10.6241(g) Date Analyzed: 04/18/2012 16:14
 Con. Extract Vol.: 10 (mL) Dilution Factor: 1
 Injection Volume: 1 (uL) GC Column: ZB-XLB-HT ID: 0.25 (mm)
 % Moisture: 23.8 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 109551 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.012	0.0040
11104-28-2	PCB-1221	ND		0.014	0.0099
11141-16-5	PCB-1232	ND		0.014	0.0086
53469-21-9	PCB-1242	ND		0.012	0.0026
12672-29-6	PCB-1248	ND		0.012	0.0037
11097-69-1	PCB-1254	ND		0.012	0.0026
11096-82-5	PCB-1260	ND		0.012	0.0037

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	77		45-135

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Lab Name: TestAmerica Seattle Job No.: 580-32287-1
SDG No.: _____
Client Sample ID: YK-SB-22(6.9-7.1) Lab Sample ID: 580-32287-10
Matrix: Solid Lab File ID: BB001574.D
Analysis Method: 8082 Date Collected: 04/05/2012 13:47
Extraction Method: 3550B Date Extracted: 04/17/2012 12:27
Sample wt/vol: 10.6241(g) Date Analyzed: 04/18/2012 16:14
Con. Extract Vol.: 10(mL) Dilution Factor: 1
Injection Volume: 1(uL) GC Column: ZB-35-HT ID: 0.25(mm)
% Moisture: 23.8 GPC Cleanup: (Y/N) N
Analysis Batch No.: 109551 Units: mg/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	54		50-140

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Lab Name: TestAmerica Seattle Job No.: 580-32287-1
 SDG No.: _____
 Client Sample ID: YK-SB-22(3.0-3.3) Lab Sample ID: 580-32287-11
 Matrix: Solid Lab File ID: BB001575.D
 Analysis Method: 8082 Date Collected: 04/05/2012 13:43
 Extraction Method: 3550B Date Extracted: 04/17/2012 12:27
 Sample wt/vol: 10.3529(g) Date Analyzed: 04/18/2012 16:27
 Con. Extract Vol.: 10 (mL) Dilution Factor: 1
 Injection Volume: 1 (uL) GC Column: ZB-XLB-HT ID: 0.25 (mm)
 % Moisture: 28.9 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 109551 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.014	0.0044
11104-28-2	PCB-1221	ND		0.015	0.011
11141-16-5	PCB-1232	ND		0.015	0.0095
53469-21-9	PCB-1242	ND		0.014	0.0029
12672-29-6	PCB-1248	ND		0.014	0.0041
11097-69-1	PCB-1254	ND		0.014	0.0029
11096-82-5	PCB-1260	0.0049	J	0.014	0.0041

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	54		45-135

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Lab Name: TestAmerica Seattle Job No.: 580-32287-1
SDG No.: _____
Client Sample ID: YK-SB-22(3.0-3.3) Lab Sample ID: 580-32287-11
Matrix: Solid Lab File ID: BB001575.D
Analysis Method: 8082 Date Collected: 04/05/2012 13:43
Extraction Method: 3550B Date Extracted: 04/17/2012 12:27
Sample wt/vol: 10.3529(g) Date Analyzed: 04/18/2012 16:27
Con. Extract Vol.: 10 (mL) Dilution Factor: 1
Injection Volume: 1 (uL) GC Column: ZB-35-HT ID: 0.25 (mm)
% Moisture: 28.9 GPC Cleanup: (Y/N) N
Analysis Batch No.: 109551 Units: mg/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	36	X	50-140

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Lab Name: TestAmerica Seattle Job No.: 580-32287-1
 SDG No.: _____
 Client Sample ID: YK-SB-23(3.0-3.5) Lab Sample ID: 580-32287-12
 Matrix: Solid Lab File ID: BB001576.D
 Analysis Method: 8082 Date Collected: 04/05/2012 13:29
 Extraction Method: 3550B Date Extracted: 04/17/2012 12:27
 Sample wt/vol: 10.6150(g) Date Analyzed: 04/18/2012 16:41
 Con. Extract Vol.: 10 (mL) Dilution Factor: 1
 Injection Volume: 1 (uL) GC Column: ZB-XLB-HT ID: 0.25 (mm)
 % Moisture: 31.0 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 109551 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.014	0.0044
11104-28-2	PCB-1221	ND		0.015	0.011
11141-16-5	PCB-1232	ND		0.015	0.0096
53469-21-9	PCB-1242	ND		0.014	0.0029
12672-29-6	PCB-1248	ND		0.014	0.0041
11097-69-1	PCB-1254	ND		0.014	0.0029
11096-82-5	PCB-1260	ND		0.014	0.0041

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	23	X	45-135

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Lab Name: TestAmerica Seattle Job No.: 580-32287-1
SDG No.: _____
Client Sample ID: YK-SB-23(3.0-3.5) Lab Sample ID: 580-32287-12
Matrix: Solid Lab File ID: BB001576.D
Analysis Method: 8082 Date Collected: 04/05/2012 13:29
Extraction Method: 3550B Date Extracted: 04/17/2012 12:27
Sample wt/vol: 10.6150(g) Date Analyzed: 04/18/2012 16:41
Con. Extract Vol.: 10 (mL) Dilution Factor: 1
Injection Volume: 1 (uL) GC Column: ZB-35-HT ID: 0.25 (mm)
% Moisture: 31.0 GPC Cleanup: (Y/N) N
Analysis Batch No.: 109551 Units: mg/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	16	X	50-140

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Lab Name: TestAmerica Seattle Job No.: 580-32287-1
 SDG No.: _____
 Client Sample ID: YK-SB-23(6.5-7.0) Lab Sample ID: 580-32287-13
 Matrix: Solid Lab File ID: BB001577.D
 Analysis Method: 8082 Date Collected: 04/05/2012 13:35
 Extraction Method: 3550B Date Extracted: 04/17/2012 12:27
 Sample wt/vol: 10.8986(g) Date Analyzed: 04/18/2012 16:56
 Con. Extract Vol.: 10 (mL) Dilution Factor: 1
 Injection Volume: 1 (uL) GC Column: ZB-XLB-HT ID: 0.25 (mm)
 % Moisture: 26.0 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 109551 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.012	0.0040
11104-28-2	PCB-1221	ND		0.014	0.0099
11141-16-5	PCB-1232	ND		0.014	0.0087
53469-21-9	PCB-1242	ND		0.012	0.0026
12672-29-6	PCB-1248	ND		0.012	0.0037
11097-69-1	PCB-1254	ND		0.012	0.0026
11096-82-5	PCB-1260	0.0039	J	0.012	0.0037

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	75		45-135

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Lab Name: TestAmerica Seattle Job No.: 580-32287-1
SDG No.: _____
Client Sample ID: YK-SB-23(6.5-7.0) Lab Sample ID: 580-32287-13
Matrix: Solid Lab File ID: BB001577.D
Analysis Method: 8082 Date Collected: 04/05/2012 13:35
Extraction Method: 3550B Date Extracted: 04/17/2012 12:27
Sample wt/vol: 10.8986(g) Date Analyzed: 04/18/2012 16:56
Con. Extract Vol.: 10 (mL) Dilution Factor: 1
Injection Volume: 1 (uL) GC Column: ZB-35-HT ID: 0.25 (mm)
% Moisture: 26.0 GPC Cleanup: (Y/N) N
Analysis Batch No.: 109551 Units: mg/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	49	X	50-140

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Lab Name: TestAmerica Seattle Job No.: 580-32287-1
 SDG No.: _____
 Client Sample ID: YK-SB-24(3.0-3.3) Lab Sample ID: 580-32287-14
 Matrix: Solid Lab File ID: BB001578.D
 Analysis Method: 8082 Date Collected: 04/05/2012 14:07
 Extraction Method: 3550B Date Extracted: 04/17/2012 12:27
 Sample wt/vol: 10.4533(g) Date Analyzed: 04/18/2012 17:10
 Con. Extract Vol.: 10 (mL) Dilution Factor: 1
 Injection Volume: 1 (uL) GC Column: ZB-XLB-HT ID: 0.25 (mm)
 % Moisture: 27.9 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 109551 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.013	0.0042
11104-28-2	PCB-1221	ND		0.015	0.011
11141-16-5	PCB-1232	ND		0.015	0.0093
53469-21-9	PCB-1242	ND		0.013	0.0028
12672-29-6	PCB-1248	ND		0.013	0.0040
11097-69-1	PCB-1254	ND		0.013	0.0028
11096-82-5	PCB-1260	ND		0.013	0.0040

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	29	X	45-135

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Lab Name: TestAmerica Seattle Job No.: 580-32287-1
SDG No.: _____
Client Sample ID: YK-SB-24(3.0-3.3) Lab Sample ID: 580-32287-14
Matrix: Solid Lab File ID: BB001578.D
Analysis Method: 8082 Date Collected: 04/05/2012 14:07
Extraction Method: 3550B Date Extracted: 04/17/2012 12:27
Sample wt/vol: 10.4533(g) Date Analyzed: 04/18/2012 17:10
Con. Extract Vol.: 10 (mL) Dilution Factor: 1
Injection Volume: 1 (uL) GC Column: ZB-35-HT ID: 0.25 (mm)
% Moisture: 27.9 GPC Cleanup: (Y/N) N
Analysis Batch No.: 109551 Units: mg/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	22	X	50-140

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Lab Name: TestAmerica Seattle Job No.: 580-32287-1
 SDG No.: _____
 Client Sample ID: YK-SB-24(6.5-6.8) Lab Sample ID: 580-32287-15
 Matrix: Solid Lab File ID: BB001579.D
 Analysis Method: 8082 Date Collected: 04/05/2012 14:11
 Extraction Method: 3550B Date Extracted: 04/17/2012 12:27
 Sample wt/vol: 10.6632(g) Date Analyzed: 04/18/2012 17:23
 Con. Extract Vol.: 10 (mL) Dilution Factor: 1
 Injection Volume: 1 (uL) GC Column: ZB-XLB-HT ID: 0.25 (mm)
 % Moisture: 26.1 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 109551 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.013	0.0041
11104-28-2	PCB-1221	ND		0.014	0.010
11141-16-5	PCB-1232	ND		0.014	0.0089
53469-21-9	PCB-1242	ND		0.013	0.0027
12672-29-6	PCB-1248	ND		0.013	0.0038
11097-69-1	PCB-1254	ND		0.013	0.0027
11096-82-5	PCB-1260	ND		0.013	0.0038

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	68		45-135

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Lab Name: TestAmerica Seattle Job No.: 580-32287-1
SDG No.: _____
Client Sample ID: YK-SB-24(6.5-6.8) Lab Sample ID: 580-32287-15
Matrix: Solid Lab File ID: BB001579.D
Analysis Method: 8082 Date Collected: 04/05/2012 14:11
Extraction Method: 3550B Date Extracted: 04/17/2012 12:27
Sample wt/vol: 10.6632(g) Date Analyzed: 04/18/2012 17:23
Con. Extract Vol.: 10 (mL) Dilution Factor: 1
Injection Volume: 1 (uL) GC Column: ZB-35-HT ID: 0.25 (mm)
% Moisture: 26.1 GPC Cleanup: (Y/N) N
Analysis Batch No.: 109551 Units: mg/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	43	X	50-140

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Lab Name: TestAmerica Seattle Job No.: 580-32287-1
 SDG No.: _____
 Client Sample ID: IDW-01-040612 Lab Sample ID: 580-32287-16
 Matrix: Solid Lab File ID: BB001580.D
 Analysis Method: 8082 Date Collected: 04/06/2012 17:13
 Extraction Method: 3550B Date Extracted: 04/17/2012 12:27
 Sample wt/vol: 10.1900(g) Date Analyzed: 04/18/2012 17:37
 Con. Extract Vol.: 10 (mL) Dilution Factor: 1
 Injection Volume: 1 (uL) GC Column: ZB-XLB-HT ID: 0.25 (mm)
 % Moisture: 25.4 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 109551 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.013	0.0042
11104-28-2	PCB-1221	ND		0.014	0.011
11141-16-5	PCB-1232	ND		0.014	0.0092
53469-21-9	PCB-1242	ND		0.013	0.0028
12672-29-6	PCB-1248	ND		0.013	0.0039
11097-69-1	PCB-1254	ND		0.013	0.0028
11096-82-5	PCB-1260	0.0050	J	0.013	0.0039

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	65		45-135

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
SDG No.: _____
Client Sample ID: IDW-01-040612 Lab Sample ID: 580-32287-16
Matrix: Solid Lab File ID: BB001580.D
Analysis Method: 8082 Date Collected: 04/06/2012 17:13
Extraction Method: 3550B Date Extracted: 04/17/2012 12:27
Sample wt/vol: 10.1900(g) Date Analyzed: 04/18/2012 17:37
Con. Extract Vol.: 10 (mL) Dilution Factor: 1
Injection Volume: 1 (uL) GC Column: ZB-35-HT ID: 0.25 (mm)
% Moisture: 25.4 GPC Cleanup: (Y/N) N
Analysis Batch No.: 109551 Units: mg/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	43	X	50-140

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
 SDG No.: _____
 Client Sample ID: MW-08-040612 Lab Sample ID: 580-32287-17
 Matrix: Water Lab File ID: BB001377.D
 Analysis Method: 8082 Date Collected: 04/06/2012 16:15
 Extraction Method: 3510C Date Extracted: 04/12/2012 10:37
 Sample wt/vol: 1060 (mL) Date Analyzed: 04/13/2012 10:32
 Con. Extract Vol.: 10 (mL) Dilution Factor: 1
 Injection Volume: 1 (uL) GC Column: ZB-XLB-HT ID: 0.25 (mm)
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 109208 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND	*	0.47	0.042
11104-28-2	PCB-1221	ND		0.47	0.058
11141-16-5	PCB-1232	ND		0.47	0.039
53469-21-9	PCB-1242	ND		0.47	0.039
12672-29-6	PCB-1248	ND		0.47	0.067
11097-69-1	PCB-1254	ND		0.47	0.042
11096-82-5	PCB-1260	ND	*	0.47	0.037

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	69		60-150
2051-24-3	DCB Decachlorobiphenyl	69		40-135

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
 SDG No.: _____
 Client Sample ID: IDW-02-040612 Lab Sample ID: 580-32287-18
 Matrix: Water Lab File ID: BB001378.D
 Analysis Method: 8082 Date Collected: 04/06/2012 17:17
 Extraction Method: 3510C Date Extracted: 04/12/2012 10:37
 Sample wt/vol: 1060 (mL) Date Analyzed: 04/13/2012 10:45
 Con. Extract Vol.: 10 (mL) Dilution Factor: 1
 Injection Volume: 1 (uL) GC Column: ZB-XLB-HT ID: 0.25 (mm)
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 109208 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND	*	0.47	0.042
11104-28-2	PCB-1221	ND		0.47	0.058
11141-16-5	PCB-1232	ND		0.47	0.039
53469-21-9	PCB-1242	ND		0.47	0.039
12672-29-6	PCB-1248	ND		0.47	0.067
11097-69-1	PCB-1254	ND		0.47	0.042
11096-82-5	PCB-1260	ND	*	0.47	0.037

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	68		60-150
2051-24-3	DCB Decachlorobiphenyl	47		40-135

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Seattle Job No.: 580-32287-1 Analy Batch No.: 107496

SDG No.: _____

Instrument ID: TAC045 GC Column: ZB-XLB-HT ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/19/2012 11:03 Calibration End Date: 03/19/2012 13:08 Calibration ID: 10509

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 580-107496/1	BB000764.D
Level 2	IC 580-107496/2	BB000765.D
Level 3	IC 580-107496/3	BB000766.D
Level 4	ICRT 580-107496/4	BB000767.D
Level 5	IC 580-107496/5	BB000768.D
Level 6	IC 580-107496/6	BB000772.D
Level 7	IC 580-107496/7	BB000773.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6	LVL 7				RT WINDOW	AVG RT
PCB-1016 Peak 1	3.599	3.598	3.598	3.599	3.597	3.601	3.599				3.569 - 3.629	3.599
PCB-1016 Peak 2	3.744	3.742	3.742	3.742	3.742	3.744	3.743				3.712 - 3.772	3.743
PCB-1016 Peak 3	4.040	4.040	4.040	4.041	4.040	4.042	4.040				4.011 - 4.071	4.040
PCB-1016 Peak 4	4.148	4.147	4.146	4.148	4.147	4.149	4.147				4.118 - 4.178	4.147
PCB-1016 Peak 5	4.391	4.391	4.391	4.391	4.390	4.393	4.390				4.361 - 4.421	4.391
PCB-1260 Peak 1	5.337	5.336	5.336	5.336	5.337	5.339	5.337				5.306 - 5.366	5.337
PCB-1260 Peak 2	5.560	5.561	5.561	5.563	5.560	5.562	5.560				5.533 - 5.593	5.561
PCB-1260 Peak 3	5.781	5.781	5.780	5.781	5.780	5.784	5.782				5.751 - 5.811	5.781
PCB-1260 Peak 4	6.293	6.293	6.293	6.294	6.293	6.296	6.294				6.264 - 6.324	6.294
PCB-1260 Peak 5	6.523	6.521	6.523	6.523	6.523	6.525	6.524				6.493 - 6.553	6.523
Tetrachloro-m-xylene	2.913	2.911	2.911	2.911	2.912	2.913	2.912				2.881 - 2.941	2.912
DCB Decachlorobiphenyl	7.431	7.431	7.431	7.432	7.430	7.433	7.430				7.402 - 7.462	7.431

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Seattle Job No.: 580-32287-1 Analy Batch No.: 107496

SDG No.: _____

Instrument ID: TAC045 GC Column: ZB-XLB-HT ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/19/2012 11:03 Calibration End Date: 03/19/2012 13:08 Calibration ID: 10509

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 580-107496/1	BB000764.D
Level 2	IC 580-107496/2	BB000765.D
Level 3	IC 580-107496/3	BB000766.D
Level 4	ICRT 580-107496/4	BB000767.D
Level 5	IC 580-107496/5	BB000768.D
Level 6	IC 580-107496/6	BB000772.D
Level 7	IC 580-107496/7	BB000773.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3 LVL 7	LVL 4		B	M1	M2								
PCB-1016 Peak 1	72596 67744	75808 63427	78842 62023	68997	Ave		69919.4757				8.9		20.0			
PCB-1016 Peak 2	63402 41744	54562 37242	47373 36690	44456	Lin2	252813.672	39882.2107							0.9950		0.9900
PCB-1016 Peak 3	157086 130083	133590 126131	124542 126253	122930	Lin2	296461.494	123761.016							0.9980		0.9900
PCB-1016 Peak 4	68846 71372	74497 67125	70651 67636	67553	Ave		69668.6903				3.8		20.0			
PCB-1016 Peak 5	65158 61321	56038 57294	60549 57695	56032	Ave		59155.3885				5.7		20.0			
PCB-1260 Peak 1	146010 129578	124763 122999	129924 125871	118532	Lin2	187650.212	123325.683							0.9970		0.9900
PCB-1260 Peak 2	206707 202248	177793 191448	196600 197630	172698	Lin2	79730.3711	190072.649							0.9940		0.9900
PCB-1260 Peak 3	195337 195477	204869 185678	184666 191613	174220	Ave		190265.812				5.2		20.0			
PCB-1260 Peak 4	252118 249499	209108 238454	241620 250482	214088	Ave		236481.112				7.5		20.0			
PCB-1260 Peak 5	159226 158943	134535 151046	161507 156179	149207	Ave		152948.847				6.1		20.0			
Tetrachloro-m-xylene	2589577 3219400	2692607 3128630	3001001 3282988	3084690	Lin2	-668792.98	3175161.10							0.9990		0.9900
DCB Decachlorobiphenyl	2095288 2325089	1849021 2246646	2302080 2298451	1892618	Ave		2144170.53				9.4		20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Seattle Job No.: 580-32287-1 Analy Batch No.: 107496

SDG No.: _____

Instrument ID: TAC045 GC Column: ZB-XLB-HT ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/19/2012 11:03 Calibration End Date: 03/19/2012 13:08 Calibration ID: 10509

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 580-107496/1	BB000764.D
Level 2	IC 580-107496/2	BB000765.D
Level 3	IC 580-107496/3	BB000766.D
Level 4	ICRT 580-107496/4	BB000767.D
Level 5	IC 580-107496/5	BB000768.D
Level 6	IC 580-107496/6	BB000772.D
Level 7	IC 580-107496/7	BB000773.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
		LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
PCB-1016 Peak 1	Ave	727483 63560087	1519334 124307366	3950360	6914231	33942933	10.0 1002	20.0 2004	50.1	100	501
PCB-1016 Peak 2	Lin2	635353 37320701	1093530 73534938	2373600	4454971	20915686	10.0 1002	20.0 2004	50.1	100	501
PCB-1016 Peak 3	Lin2	1574156 126395575	2677403 253035546	6240200	12318796	65178013	10.0 1002	20.0 2004	50.1	100	501
PCB-1016 Peak 4	Ave	689907 67266418	1493075 135555332	3539951	6769527	35761069	10.0 1002	20.0 2004	50.1	100	501
PCB-1016 Peak 5	Ave	652951 57413912	1123120 115631368	3033827	5615000	30725034	10.0 1002	20.0 2004	50.1	100	501
PCB-1260 Peak 1	Lin2	1461705 123133979	2498001 252018114	6503349	11866228	64860180	10.0 1001	20.0 2002	50.1	100	501
PCB-1260 Peak 2	Lin2	2069348 191658546	3559766 395694150	9840788	17288776	101235192	10.0 1001	20.0 2002	50.1	100	501
PCB-1260 Peak 3	Ave	1955516 185882691	4101893 383646798	9243462	17441195	97846102	10.0 1001	20.0 2002	50.1	100	501
PCB-1260 Peak 4	Ave	2523951 238716204	4186757 501515356	12094265	21432304	124886759	10.0 1001	20.0 2002	50.1	100	501
PCB-1260 Peak 5	Ave	1594009 151211876	2693656 312701122	8084208	14937106	79559139	10.0 1001	20.0 2002	50.1	100	501
Tetrachloro-m-xylene	Lin2	2589577 312863045	5385213 656597555	15005003	30846900	160970011	1.00 100	2.00 200	5.00	10.0	50.0
DCB Decachlorobiphenyl	Ave	2095288 224664611	3698042 459690131	11510401	18926183	116254473	1.00 100	2.00 200	5.00	10.0	50.0

Curve Type Legend:

Ave = Average
Lin2 = Linear 1/conc^2

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Seattle Job No.: 580-32287-1 Analy Batch No.: 107496

SDG No.: _____

Instrument ID: TAC045 GC Column: ZB-35-HT ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/19/2012 11:03 Calibration End Date: 03/19/2012 13:08 Calibration ID: 10510

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 580-107496/1	BB000764.D
Level 2	IC 580-107496/2	BB000765.D
Level 3	IC 580-107496/3	BB000766.D
Level 4	ICRT 580-107496/4	BB000767.D
Level 5	IC 580-107496/5	BB000768.D
Level 6	IC 580-107496/6	BB000772.D
Level 7	IC 580-107496/7	BB000773.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6	LVL 7				RT WINDOW	AVG RT
PCB-1016 Peak 1	3.477	3.476	3.477	3.476	3.477	3.477	3.476				3.446 - 3.506	3.477
PCB-1016 Peak 2	3.804	3.803	3.805	3.804	3.805	3.804	3.805				3.774 - 3.834	3.804
PCB-1016 Peak 3	4.178	4.178	4.178	4.178	4.177	4.179	4.179				4.148 - 4.208	4.178
PCB-1016 Peak 4	4.257	4.256	4.257	4.257	4.257	4.257	4.256				4.227 - 4.287	4.257
PCB-1016 Peak 5	4.353	4.351	4.353	4.353	4.353	4.354	4.354				4.323 - 4.383	4.353
PCB-1260 Peak 1	5.537	5.536	5.536	5.537	5.537	5.538	5.538				5.507 - 5.567	5.537
PCB-1260 Peak 2	5.995	5.995	5.994	5.995	5.995	5.997	5.995				5.965 - 6.025	5.995
PCB-1260 Peak 3	6.257	6.257	6.257	6.258	6.257	6.258	6.258				6.228 - 6.288	6.257
PCB-1260 Peak 4	6.489	6.490	6.489	6.489	6.489	6.491	6.491				6.459 - 6.519	6.490
PCB-1260 Peak 5	6.777	6.779	6.782	6.781	6.782	6.784	6.784				6.751 - 6.811	6.781
Tetrachloro-m-xylene	2.903	2.899	2.900	2.901	2.901	2.899	2.899				2.871 - 2.931	2.900
DCB Decachlorobiphenyl	7.639	7.640	7.639	7.640	7.640	7.642	7.641				7.610 - 7.670	7.640

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Seattle Job No.: 580-32287-1 Analy Batch No.: 107496

SDG No.: _____

Instrument ID: TAC045 GC Column: ZB-35-HT ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/19/2012 11:03 Calibration End Date: 03/19/2012 13:08 Calibration ID: 10510

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 580-107496/1	BB000764.D
Level 2	IC 580-107496/2	BB000765.D
Level 3	IC 580-107496/3	BB000766.D
Level 4	ICRT 580-107496/4	BB000767.D
Level 5	IC 580-107496/5	BB000768.D
Level 6	IC 580-107496/6	BB000772.D
Level 7	IC 580-107496/7	BB000773.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3 LVL 7	LVL 4		B	M1	M2								
PCB-1016 Peak 1	68985 55681	63873 53928	57048 54172	57013	Lin2	150330.454	54738.9604							1.0000		0.9900
PCB-1016 Peak 2	152461 126256	136334 119853	130541 119459	119880	Lin2	316254.089	120981.931							0.9990		0.9900
PCB-1016 Peak 3	294549 264631	237596 254607	239756 262884	233430	Lin2	308470.896	247280.796							0.9930		0.9900
PCB-1016 Peak 4	95868 105727	94270 103548	99974 103372	103027	Ave		100826.713				4.3		20.0			
PCB-1016 Peak 5	74648 81121	75561 78659	73013 80419	69389	Ave		76115.7508				5.6		20.0			
PCB-1260 Peak 1	159889 156565	135235 151122	153171 157560	133365	Ave		149558.177				7.2		20.0			
PCB-1260 Peak 2	270024 240875	219132 231122	224410 243849	206605	Ave		233716.775				8.8		20.0			
PCB-1260 Peak 3	161273 147893	142165 142500	146317 149012	130670	Lin2	152365.949	141700.187							0.9960		0.9900
PCB-1260 Peak 4	285237 301066	252399 290692	276346 310126	256151	Ave		281716.609				7.7		20.0			
PCB-1260 Peak 5	205020 229724	211306 221288	208760 232896	231149	Ave		220020.615				5.3		20.0			
Tetrachloro-m-xylene	3255619 3636214	3136116 3570460	3197844 3721313	3334807	Ave		3407481.95				6.8		20.0			
DCB Decachlorobiphenyl	3269374 2997224	3219139 2881003	3213894 3002855	2897062	Ave		3068650.10				5.3		20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Seattle Job No.: 580-32287-1 Analy Batch No.: 107496

SDG No.: _____

Instrument ID: TAC045 GC Column: ZB-35-HT ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/19/2012 11:03 Calibration End Date: 03/19/2012 13:08 Calibration ID: 10510

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 580-107496/1	BB000764.D
Level 2	IC 580-107496/2	BB000765.D
Level 3	IC 580-107496/3	BB000766.D
Level 4	ICRT 580-107496/4	BB000767.D
Level 5	IC 580-107496/5	BB000768.D
Level 6	IC 580-107496/6	BB000772.D
Level 7	IC 580-107496/7	BB000773.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
		LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
PCB-1016 Peak 1	Lin2	691297 54041140	1280136 108572491	2858389	5713318	27899089	10.0 1002	20.0 2004	50.1	100	501
PCB-1016 Peak 2	Lin2	1527815 120105144	2732401 239420145	6540743	12013156	63260696	10.0 1002	20.0 2004	50.1	100	501
PCB-1016 Peak 3	Lin2	2951671 255141196	4761890 526872082	12012959	23392063	132593181	10.0 1002	20.0 2004	50.1	100	501
PCB-1016 Peak 4	Ave	960690 103765858	1889364 207178822	5009200	10324384	52974419	10.0 1002	20.0 2004	50.1	100	501
PCB-1016 Peak 5	Ave	748047 78824667	1514387 161176092	3658320	6953471	40645642	10.0 1002	20.0 2004	50.1	100	501
PCB-1260 Peak 1	Ave	1600647 151288257	2707679 315465978	7666998	13351140	78368791	10.0 1001	20.0 2002	50.1	100	501
PCB-1260 Peak 2	Ave	2703215 231376470	4387469 488234740	11232818	20683219	120569851	10.0 1001	20.0 2002	50.1	100	501
PCB-1260 Peak 3	Lin2	1614503 142656506	2846424 298351631	7323891	13081415	74027882	10.0 1001	20.0 2002	50.1	100	501
PCB-1260 Peak 4	Ave	2855508 291011775	5053525 620934766	13832476	25643273	150698513	10.0 1001	20.0 2002	50.1	100	501
PCB-1260 Peak 5	Ave	2052456 221531584	4230762 466305345	10449493	23140370	114988475	10.0 1001	20.0 2002	50.1	100	501
Tetrachloro-m-xylene	Ave	3255619 357046028	6272232 744262694	15989220	33348073	181810680	1.00 100	2.00 200	5.00	10.0	50.0
DCB Decachlorobiphenyl	Ave	3269374 288100344	6438277 600570993	16069470	28970619	149861195	1.00 100	2.00 200	5.00	10.0	50.0

Curve Type Legend:

Ave = Average
Lin2 = Linear 1/conc^2

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Seattle Job No.: 580-32287-1 Analy Batch No.: 107496

SDG No.: _____

Instrument ID: TAC045 GC Column: ZB-XLB-HT ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/19/2012 14:38 Calibration End Date: 03/19/2012 15:46 Calibration ID: 10522

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 580-107496/9	BB000775.D
Level 2	IC 580-107496/10	BB000776.D
Level 3	IC 580-107496/11	BB000777.D
Level 4	ICRT 580-107496/12	BB000778.D
Level 5	IC 580-107496/13	BB000779.D
Level 6	IC 580-107496/14	BB000780.D
Level 7	IC 580-107496/15	BB000781.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6	LVL 7				RT WINDOW	AVG RT
PCB-1221 Peak 1	2.106	2.099	2.093	2.095	2.095	2.091	2.096				2.065 - 2.125	2.096
PCB-1221 Peak 2	3.111	3.112	3.115	3.115	3.119	3.121	3.122				3.085 - 3.145	3.116
PCB-1221 Peak 3	3.201	3.194	3.195	3.196	3.196	3.196	3.197				3.166 - 3.226	3.196
PCB-1221 Peak 4	3.282	3.278	3.277	3.278	3.278	3.276	3.278				3.248 - 3.308	3.278
PCB-1254 Peak 1	4.909	4.905	4.904	4.904	4.905	4.906	4.905				4.874 - 4.934	4.905
PCB-1254 Peak 2	5.201	5.195	5.195	5.194	5.196	5.196	5.195				5.164 - 5.224	5.196
PCB-1254 Peak 3	5.452	5.446	5.445	5.445	5.446	5.446	5.446				5.415 - 5.475	5.447
PCB-1254 Peak 4	5.566	5.561	5.560	5.560	5.560	5.561	5.562				5.530 - 5.590	5.561
PCB-1254 Peak 5	5.785	5.780	5.779	5.779	5.780	5.781	5.779				5.749 - 5.809	5.780

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Seattle Job No.: 580-32287-1 Analy Batch No.: 107496

SDG No.: _____

Instrument ID: TAC045 GC Column: ZB-XLB-HT ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/19/2012 14:38 Calibration End Date: 03/19/2012 15:46 Calibration ID: 10522

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 580-107496/9	BB000775.D
Level 2	IC 580-107496/10	BB000776.D
Level 3	IC 580-107496/11	BB000777.D
Level 4	ICRT 580-107496/12	BB000778.D
Level 5	IC 580-107496/13	BB000779.D
Level 6	IC 580-107496/14	BB000780.D
Level 7	IC 580-107496/15	BB000781.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3 LVL 7	LVL 4		B	M1	M2								
PCB-1221 Peak 1	23020 19783	19965 17987	21841 17156	21086	Lin2	39352.9772	19089.3855							0.9920		0.9900
PCB-1221 Peak 2	56243 31815	39093 30755	32797 28585	34371	Lin2	248985.892	29718.4360							0.9940		0.9900
PCB-1221 Peak 3	58354 21128	41166 21098	26863 18786	25093	Lin2	389090.609	20169.0342							0.9960		0.9900
PCB-1221 Peak 4	66356 73056	69312 71918	73743 69410	80395	Lin2	-71387.635	73896.1437							0.9970		0.9900
PCB-1254 Peak 1	132759 110638	130109 111555	112950 106404	111989	Lin2	262015.100	109768.218							0.9980		0.9900
PCB-1254 Peak 2	208663 161156	180797 164280	161683 155845	162058	Lin2	490162.190	157805.302							0.9990		0.9900
PCB-1254 Peak 3	233254 130031	164067 133636	136240 125567	132574	Lin2	1022488.13	123992.586							0.9950		0.9900
PCB-1254 Peak 4	174022 108627	128737 110472	110143 103884	112821	Lin1	587658.480	105855.468							0.9990		0.9900
PCB-1254 Peak 5	184561 137079	153200 139014	141382 132631	137857	Lin2	478033.656	134014.443							0.9990		0.9900

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Seattle Job No.: 580-32287-1 Analy Batch No.: 107496

SDG No.: _____

Instrument ID: TAC045 GC Column: ZB-XLB-HT ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/19/2012 14:38 Calibration End Date: 03/19/2012 15:46 Calibration ID: 10522

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 580-107496/9	BB000775.D
Level 2	IC 580-107496/10	BB000776.D
Level 3	IC 580-107496/11	BB000777.D
Level 4	ICRT 580-107496/12	BB000778.D
Level 5	IC 580-107496/13	BB000779.D
Level 6	IC 580-107496/14	BB000780.D
Level 7	IC 580-107496/15	BB000781.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
		LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
PCB-1221 Peak 1	Lin2	230495 18010814	399824 34356303	1093485	2111310	9904109	10.0 1001	20.0 2003	50.1	100	501
PCB-1221 Peak 2	Lin2	563159 30795020	782878 57245058	1641960	3441589	15927981	10.0 1001	20.0 2003	50.1	100	501
PCB-1221 Peak 3	Lin2	584302 21125539	824393 37621179	1344872	2512558	10577953	10.0 1001	20.0 2003	50.1	100	501
PCB-1221 Peak 4	Lin2	664421 72011555	1388041 139000538	3691957	8049973	36575493	10.0 1001	20.0 2003	50.1	100	501
PCB-1254 Peak 1	Lin2	1329055 111677937	2605033 213042497	5653702	11211255	55379792	10.0 1001	20.0 2002	50.1	100	501
PCB-1254 Peak 2	Lin2	2088927 164461176	3619927 312032161	8093054	16223628	80666655	10.0 1001	20.0 2002	50.1	100	501
PCB-1254 Peak 3	Lin2	2335101 133782581	3284957 251410235	6819489	13272001	65086991	10.0 1001	20.0 2002	50.1	100	501
PCB-1254 Peak 4	Lin1	1742133 110593742	2577575 207995910	5513187	11294479	54373210	10.0 1001	20.0 2002	50.1	100	501
PCB-1254 Peak 5	Lin2	1847638 139166952	3067366 265554434	7076876	13800881	68614793	10.0 1001	20.0 2002	50.1	100	501

Curve Type Legend:

Lin1 = Linear 1/conc
Lin2 = Linear 1/conc^2

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Seattle Job No.: 580-32287-1 Analy Batch No.: 107496

SDG No.: _____

Instrument ID: TAC045 GC Column: ZB-35-HT ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/19/2012 14:38 Calibration End Date: 03/19/2012 15:46 Calibration ID: 10523

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 580-107496/9	BB000775.D
Level 2	IC 580-107496/10	BB000776.D
Level 3	IC 580-107496/11	BB000777.D
Level 4	ICRT 580-107496/12	BB000778.D
Level 5	IC 580-107496/13	BB000779.D
Level 6	IC 580-107496/14	BB000780.D
Level 7	IC 580-107496/15	BB000781.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6	LVL 7				RT WINDOW	AVG RT
PCB-1221 Peak 1	2.410	2.413	2.412	2.411	2.412	2.409	2.411				2.380 - 2.440	2.411
PCB-1221 Peak 2	3.293	3.295	3.294	3.294	3.296	3.296	3.296				3.264 - 3.324	3.295
PCB-1221 Peak 3	3.405	3.405	3.404	3.405	3.406	3.406	3.407				3.375 - 3.435	3.405
PCB-1221 Peak 4	3.476	3.476	3.474	3.476	3.476	3.476	3.477				3.446 - 3.506	3.476
PCB-1254 Peak 1	4.919	4.917	4.918	4.918	4.919	4.919	4.919				4.888 - 4.948	4.918
PCB-1254 Peak 2	5.069	5.066	5.067	5.067	5.067	5.067	5.067				5.037 - 5.097	5.067
PCB-1254 Peak 3	5.416	5.411	5.411	5.412	5.412	5.412	5.413				5.382 - 5.442	5.412
PCB-1254 Peak 4	5.616	5.614	5.614	5.613	5.614	5.614	5.614				5.583 - 5.643	5.614
PCB-1254 Peak 5	5.998	5.994	5.994	5.994	5.994	5.995	5.994				5.964 - 6.024	5.995

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Seattle Job No.: 580-32287-1 Analy Batch No.: 107496

SDG No.: _____

Instrument ID: TAC045 GC Column: ZB-35-HT ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/19/2012 14:38 Calibration End Date: 03/19/2012 15:46 Calibration ID: 10523

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 580-107496/9	BB000775.D
Level 2	IC 580-107496/10	BB000776.D
Level 3	IC 580-107496/11	BB000777.D
Level 4	ICRT 580-107496/12	BB000778.D
Level 5	IC 580-107496/13	BB000779.D
Level 6	IC 580-107496/14	BB000780.D
Level 7	IC 580-107496/15	BB000781.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3 LVL 7	LVL 4		B	M1	M2								
PCB-1221 Peak 1	23609 20588	21547 19684	23723 18912	21825	Lin2	33242.7483	20542.2083							0.9940		0.9900
PCB-1221 Peak 2	43292 38063	37954 35694	37598 33847	37541	Lin2	68756.4087	35912.5053							0.9980		0.9900
PCB-1221 Peak 3	27658 23494	23954 21758	24474 20740	23498	Lin2	52129.1284	22289.1797							0.9970		0.9900
PCB-1221 Peak 4	107799 87365	100906 83753	92837 79866	87418	Lin2	253999.963	84770.7350							0.9980		0.9900
PCB-1254 Peak 1	194129 157162	164662 158784	151613 151682	155437	Lin2	374851.099	152108.391							0.9980		0.9900
PCB-1254 Peak 2	164384 127787	139287 129219	130576 123225	126475	Lin2	373690.033	124636.651							0.9990		0.9900
PCB-1254 Peak 3	249462 208809	224680 214187	208030 204934	201639	Lin2	422947.917	204887.989							0.9990		0.9900
PCB-1254 Peak 4	174343 143437	162889 146637	146516 140799	137561	Lin2	342830.265	141334.489							0.9990		0.9900
PCB-1254 Peak 5	332211 192448	236167 195071	188438 188146	192621	Lin2	1394951.69	181344.068							0.9930		0.9900

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Seattle Job No.: 580-32287-1 Analy Batch No.: 107496

SDG No.: _____

Instrument ID: TAC045 GC Column: ZB-35-HT ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/19/2012 14:38 Calibration End Date: 03/19/2012 15:46 Calibration ID: 10523

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 580-107496/9	BB000775.D
Level 2	IC 580-107496/10	BB000776.D
Level 3	IC 580-107496/11	BB000777.D
Level 4	ICRT 580-107496/12	BB000778.D
Level 5	IC 580-107496/13	BB000779.D
Level 6	IC 580-107496/14	BB000780.D
Level 7	IC 580-107496/15	BB000781.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
		LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
PCB-1221 Peak 1	Lin2	236397 19709740	431500 37873165	1187672	2185288	10307547	10.0 1001	20.0 2003	50.1	100	501
PCB-1221 Peak 2	Lin2	433479 35740551	760071 67782074	1882338	3758931	19056017	10.0 1001	20.0 2003	50.1	100	501
PCB-1221 Peak 3	Lin2	276944 21786575	479704 41533131	1225315	2352882	11762462	10.0 1001	20.0 2003	50.1	100	501
PCB-1221 Peak 4	Lin2	1079388 83862097	2020734 159940334	4647872	8753166	43739344	10.0 1001	20.0 2003	50.1	100	501
PCB-1254 Peak 1	Lin2	1943423 158958384	3296865 303697205	7588997	15560822	78667226	10.0 1001	20.0 2002	50.1	100	501
PCB-1254 Peak 2	Lin2	1645646 129360957	2788807 246721510	6536006	12661391	63963845	10.0 1001	20.0 2002	50.1	100	501
PCB-1254 Peak 3	Lin2	2497360 214423098	4498552 410319233	10412946	20186077	104519249	10.0 1001	20.0 2002	50.1	100	501
PCB-1254 Peak 4	Lin2	1745344 146798301	3261369 281907413	7333881	13771216	71797209	10.0 1001	20.0 2002	50.1	100	501
PCB-1254 Peak 5	Lin2	3325760 195285375	4728528 376705852	9432266	19283290	96329771	10.0 1001	20.0 2002	50.1	100	501

Curve Type Legend:

Lin2 = Linear 1/conc^2

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Seattle Job No.: 580-32287-1 Analy Batch No.: 107496

SDG No.: _____

Instrument ID: TAC045 GC Column: ZB-XLB-HT ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/19/2012 16:13 Calibration End Date: 03/19/2012 17:21 Calibration ID: 10531

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 580-107496/17	BB000783.D
Level 2	IC 580-107496/18	BB000784.D
Level 3	IC 580-107496/19	BB000785.D
Level 4	ICRT 580-107496/20	BB000786.D
Level 5	IC 580-107496/21	BB000787.D
Level 6	IC 580-107496/22	BB000788.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6					RT WINDOW	AVG RT
PCB-1232 Peak 1	3.275	3.280	3.277	3.278	3.278	3.278					3.248 - 3.308	3.278
PCB-1232 Peak 2	3.597	3.598	3.598	3.597	3.598	3.598					3.567 - 3.627	3.598
PCB-1232 Peak 3	4.039	4.040	4.040	4.039	4.039	4.039					4.009 - 4.069	4.039
PCB-1232 Peak 4	4.246	4.247	4.246	4.246	4.245	4.247					4.215 - 4.275	4.246
PCB-1232 Peak 5	4.391	4.390	4.391	4.390	4.390	4.390					4.360 - 4.420	4.390
PCB-1262 Peak 1	5.559	5.560	5.560	5.559	5.560	5.560					5.530 - 5.590	5.560
PCB-1262 Peak 2	5.861	5.861	5.861	5.860	5.860	5.861					5.830 - 5.890	5.861
PCB-1262 Peak 3	6.293	6.293	6.293	6.292	6.293	6.293					6.262 - 6.322	6.293
PCB-1262 Peak 4	6.529	6.530	6.530	6.529	6.530	6.529					6.499 - 6.559	6.530
PCB-1262 Peak 5	7.006	7.005	7.006	7.005	7.006	7.005					6.975 - 7.035	7.006

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Seattle Job No.: 580-32287-1 Analy Batch No.: 107496

SDG No.: _____

Instrument ID: TAC045 GC Column: ZB-XLB-HT ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/19/2012 16:13 Calibration End Date: 03/19/2012 17:21 Calibration ID: 10531

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 580-107496/17	BB000783.D
Level 2	IC 580-107496/18	BB000784.D
Level 3	IC 580-107496/19	BB000785.D
Level 4	ICRT 580-107496/20	BB000786.D
Level 5	IC 580-107496/21	BB000787.D
Level 6	IC 580-107496/22	BB000788.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3	LVL 4		B	M1	M2								
PCB-1232 Peak 1	50266 56979	56692 56183	53175	60065	Lin2	-63653.176	57499.3011							0.9980		0.9900
PCB-1232 Peak 2	33652 30709	29667 29991	32149	34798	Ave		31827.4949				6.5		20.0			
PCB-1232 Peak 3	67531 58715	56161 60153	58418	59884	Lin1	18204.5544	59588.9537							1.0000		0.9900
PCB-1232 Peak 4	27821 22014	24494 21307	24654	24235	Lin2	53880.0587	22445.9235							0.9970		0.9900
PCB-1232 Peak 5	34097 26801	27471 26308	29752	29191	Lin2	61318.2696	27068.5162							0.9950		0.9900
PCB-1262 Peak 1	200339 148194	156980 149335	160683	155679	Lin1	440322.061	148545.384							1.0000		0.9900
PCB-1262 Peak 2	220343 172812	169290 176537	183668	181746	Lin2	383954.981	172448.385							0.9940		0.9900
PCB-1262 Peak 3	402748 334103	310077 351744	338844	338035	Lin2	495825.571	330922.466							0.9920		0.9900
PCB-1262 Peak 4	259201 199582	196933 207441	214270	207231	Lin2	481902.091	199528.152							0.9930		0.9900
PCB-1262 Peak 5	146241 110812	111368 116480	123439	117918	Lin1	218632.359	114427.748							0.9990		0.9900

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Seattle Job No.: 580-32287-1 Analy Batch No.: 107496

SDG No.: _____

Instrument ID: TAC045 GC Column: ZB-XLB-HT ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/19/2012 16:13 Calibration End Date: 03/19/2012 17:21 Calibration ID: 10531

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 580-107496/17	BB000783.D
Level 2	IC 580-107496/18	BB000784.D
Level 3	IC 580-107496/19	BB000785.D
Level 4	ICRT 580-107496/20	BB000786.D
Level 5	IC 580-107496/21	BB000787.D
Level 6	IC 580-107496/22	BB000788.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
		LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
PCB-1232 Peak 1	Lin2	503212 56244419	1135080	2661691	6013121	28521061	10.0 1001	20.0	50.1	100	501
PCB-1232 Peak 2	Ave	336886 30023661	593983	1609223	3483625	15371455	10.0 1001	20.0	50.1	100	501
PCB-1232 Peak 3	Lin1	676055 60219521	1124453	2924089	5994956	29389716	10.0 1001	20.0	50.1	100	501
PCB-1232 Peak 4	Lin2	278513 21330537	490426	1234035	2426165	11019124	10.0 1001	20.0	50.1	100	501
PCB-1232 Peak 5	Lin2	341344 26336725	550030	1489219	2922302	13415484	10.0 1001	20.0	50.1	100	501
PCB-1262 Peak 1	Lin1	2019422 150529656	3164722	8098444	15692477	74689906	10.1 1008	20.2	50.4	101	504
PCB-1262 Peak 2	Lin2	2221053 177949339	3412893	9256887	18319971	87097428	10.1 1008	20.2	50.4	101	504
PCB-1262 Peak 3	Lin2	4059703 354557768	6251149	17077714	34073960	168387879	10.1 1008	20.2	50.4	101	504
PCB-1262 Peak 4	Lin2	2612747 209100982	3970164	10799188	20888851	100589096	10.1 1008	20.2	50.4	101	504
PCB-1262 Peak 5	Lin1	1474111 117412191	2245171	6221323	11886174	55849349	10.1 1008	20.2	50.4	101	504

Curve Type Legend:

Ave = Average
Lin1 = Linear 1/conc
Lin2 = Linear 1/conc^2

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Seattle Job No.: 580-32287-1 Analy Batch No.: 107496

SDG No.: _____

Instrument ID: TAC045 GC Column: ZB-35-HT ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/19/2012 16:13 Calibration End Date: 03/19/2012 17:21 Calibration ID: 10532

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 580-107496/17	BB000783.D
Level 2	IC 580-107496/18	BB000784.D
Level 3	IC 580-107496/19	BB000785.D
Level 4	ICRT 580-107496/20	BB000786.D
Level 5	IC 580-107496/21	BB000787.D
Level 6	IC 580-107496/22	BB000788.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6					RT WINDOW	AVG RT
PCB-1232 Peak 1	3.476	3.478	3.477	3.477	3.476	3.476					3.447 - 3.507	3.477
PCB-1232 Peak 2	3.803	3.804	3.804	3.803	3.805	3.803					3.773 - 3.833	3.804
PCB-1232 Peak 3	4.178	4.179	4.179	4.179	4.178	4.179					4.149 - 4.209	4.179
PCB-1232 Peak 4	4.256	4.257	4.257	4.257	4.257	4.257					4.227 - 4.287	4.257
PCB-1232 Peak 5	4.418	4.418	4.418	4.417	4.418	4.418					4.388 - 4.448	4.418
PCB-1262 Peak 1	5.536	5.537	5.536	5.537	5.536	5.536					5.507 - 5.567	5.536
PCB-1262 Peak 2	6.036	6.035	6.035	6.035	6.035	6.035					6.005 - 6.065	6.035
PCB-1262 Peak 3	6.489	6.489	6.490	6.488	6.490	6.490					6.459 - 6.519	6.489
PCB-1262 Peak 4	6.785	6.788	6.786	6.785	6.787	6.786					6.758 - 6.818	6.786
PCB-1262 Peak 5	7.239	7.238	7.239	7.238	7.239	7.239					7.208 - 7.268	7.239

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Seattle Job No.: 580-32287-1 Analy Batch No.: 107496

SDG No.: _____

Instrument ID: TAC045 GC Column: ZB-35-HT ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/19/2012 16:13 Calibration End Date: 03/19/2012 17:21 Calibration ID: 10532

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 580-107496/17	BB000783.D
Level 2	IC 580-107496/18	BB000784.D
Level 3	IC 580-107496/19	BB000785.D
Level 4	ICRT 580-107496/20	BB000786.D
Level 5	IC 580-107496/21	BB000787.D
Level 6	IC 580-107496/22	BB000788.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3	LVL 4		B	M1	M2								
PCB-1232 Peak 1	77971 66233	67388 65812	69618	70941	Ave		69660.3912				6.5		20.0			
PCB-1232 Peak 2	76549 60262	67380 58518	65281	64479	Lin2	159541.757	60550.9685							0.9990		0.9900
PCB-1232 Peak 3	142430 113912	107598 116258	112951	113874	Lin2	242816.229	110439.337							0.9920		0.9900
PCB-1232 Peak 4	56293 48923	46308 48485	49874	50554	Lin2	58084.5256	48302.9772							0.9960		0.9900
PCB-1232 Peak 5	32470 24937	26976 24242	27408	26026	Lin2	72220.7954	24809.4317							0.9980		0.9900
PCB-1262 Peak 1	164269 128067	124492 129200	136031	132848	Lin1	238887.279	128589.665							1.0000		0.9900
PCB-1262 Peak 2	254182 203902	194786 209708	211534	208280	Lin2	404026.561	201507.000							0.9930		0.9900
PCB-1262 Peak 3	449796 398380	349394 427566	392173	390792	Lin2	268569.967	393223.747							0.9900		0.9900
PCB-1262 Peak 4	337816 272973	261412 290894	283776	278178	Lin2	479636.231	272995.346							0.9930		0.9900
PCB-1262 Peak 5	160134 132197	123260 140655	140347	135862	Lin2	184278.960	133166.375							0.9920		0.9900

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Seattle Job No.: 580-32287-1 Analy Batch No.: 107496

SDG No.: _____

Instrument ID: TAC045 GC Column: ZB-35-HT ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/19/2012 16:13 Calibration End Date: 03/19/2012 17:21 Calibration ID: 10532

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 580-107496/17	BB000783.D
Level 2	IC 580-107496/18	BB000784.D
Level 3	IC 580-107496/19	BB000785.D
Level 4	ICRT 580-107496/20	BB000786.D
Level 5	IC 580-107496/21	BB000787.D
Level 6	IC 580-107496/22	BB000788.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
		LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
PCB-1232 Peak 1	Ave	780568 65883900	1349251	3484717	7101868	33152918	10.0 1001	20.0	50.1	100	501
PCB-1232 Peak 2	Lin2	766335 58582841	1349087	3267624	6454999	30164214	10.0 1001	20.0	50.1	100	501
PCB-1232 Peak 3	Lin2	1425869 116386085	2154326	5653744	11399927	57018427	10.0 1001	20.0	50.1	100	501
PCB-1232 Peak 4	Lin2	563547 48538431	927171	2496442	5060919	24488210	10.0 1001	20.0	50.1	100	501
PCB-1232 Peak 5	Lin2	325056 24268332	540118	1371887	2605439	12482388	10.0 1001	20.0	50.1	100	501
PCB-1262 Peak 1	Lin1	1655832 130233664	2509757	6855987	13391035	64545931	10.1 1008	20.2	50.4	101	504
PCB-1262 Peak 2	Lin2	2562152 211385980	3926877	10661306	20994646	102766793	10.1 1008	20.2	50.4	101	504
PCB-1262 Peak 3	Lin2	4533943 430986949	7043778	19765494	39391839	200783553	10.1 1008	20.2	50.4	101	504
PCB-1262 Peak 4	Lin2	3405183 293221173	5270059	14302333	28040381	137578196	10.1 1008	20.2	50.4	101	504
PCB-1262 Peak 5	Lin2	1614148 141779796	2484920	7073486	13694875	66627111	10.1 1008	20.2	50.4	101	504

Curve Type Legend:

Ave = Average
Lin1 = Linear 1/conc
Lin2 = Linear 1/conc^2

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Seattle Job No.: 580-32287-1 Analy Batch No.: 107496

SDG No.: _____

Instrument ID: TAC045 GC Column: ZB-XLB-HT ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/19/2012 17:48 Calibration End Date: 03/19/2012 18:56 Calibration ID: 10537

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 580-107496/24	BB000790.D
Level 2	IC 580-107496/25	BB000791.D
Level 3	IC 580-107496/26	BB000792.D
Level 4	ICRT 580-107496/27	BB000793.D
Level 5	IC 580-107496/28	BB000794.D
Level 6	IC 580-107496/29	BB000795.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6					RT WINDOW	AVG RT
PCB-1242 Peak 1	3.280	3.277	3.277	3.279	3.277	3.280					3.250 - 3.310	3.278
PCB-1242 Peak 2	3.597	3.597	3.598	3.599	3.598	3.599					3.569 - 3.629	3.598
PCB-1242 Peak 3	4.040	4.039	4.039	4.040	4.040	4.040					4.010 - 4.070	4.040
PCB-1242 Peak 4	4.246	4.246	4.245	4.246	4.246	4.246					4.216 - 4.276	4.246
PCB-1242 Peak 5	4.776	4.777	4.776	4.777	4.777	4.777					4.747 - 4.807	4.777

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Seattle Job No.: 580-32287-1 Analy Batch No.: 107496

SDG No.: _____

Instrument ID: TAC045 GC Column: ZB-XLB-HT ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/19/2012 17:48 Calibration End Date: 03/19/2012 18:56 Calibration ID: 10537

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 580-107496/24	BB000790.D
Level 2	IC 580-107496/25	BB000791.D
Level 3	IC 580-107496/26	BB000792.D
Level 4	ICRT 580-107496/27	BB000793.D
Level 5	IC 580-107496/28	BB000794.D
Level 6	IC 580-107496/29	BB000795.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3	LVL 4		B	M1	M2								
PCB-1242 Peak 1	41494 39652	40395 36447	42748	38763	Ave		39916.3352				5.5		20.0			
PCB-1242 Peak 2	59698 54906	59670 48824	59951	59188	Lin2	62686.9481	55130.5941							0.9930		0.9900
PCB-1242 Peak 3	111621 102936	113727 98610	105509	106756	Ave		106526.465				5.2		20.0			
PCB-1242 Peak 4	57391 41255	50296 36843	46934	44207	Lin2	176442.718	40781.3245							0.9950		0.9900
PCB-1242 Peak 5	71859 58489	66221 54603	63973	61707	Lin2	144513.579	58408.0911							0.9980		0.9900

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Seattle Job No.: 580-32287-1 Analy Batch No.: 107496

SDG No.: _____

Instrument ID: TAC045 GC Column: ZB-XLB-HT ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/19/2012 17:48 Calibration End Date: 03/19/2012 18:56 Calibration ID: 10537

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 580-107496/24	BB000790.D
Level 2	IC 580-107496/25	BB000791.D
Level 3	IC 580-107496/26	BB000792.D
Level 4	ICRT 580-107496/27	BB000793.D
Level 5	IC 580-107496/28	BB000794.D
Level 6	IC 580-107496/29	BB000795.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
		LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
PCB-1242 Peak 1	Ave	415602 36505290	809191	2140808	3882493	19857539	10.0 1002	20.0	50.1	100	501
PCB-1242 Peak 2	Lin2	597935 48902176	1195314	3002335	5928258	27496937	10.0 1002	20.0	50.1	100	501
PCB-1242 Peak 3	Ave	1117992 98767698	2278180	5283915	10692638	51550432	10.0 1002	20.0	50.1	100	501
PCB-1242 Peak 4	Lin2	574825 36901509	1007523	2350445	4427811	20660648	10.0 1002	20.0	50.1	100	501
PCB-1242 Peak 5	Lin2	719744 54690731	1326532	3203745	6180571	29291454	10.0 1002	20.0	50.1	100	501

Curve Type Legend:

Ave = Average
Lin2 = Linear 1/conc^2

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Seattle Job No.: 580-32287-1 Analy Batch No.: 107496

SDG No.: _____

Instrument ID: TAC045 GC Column: ZB-35-HT ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/19/2012 17:48 Calibration End Date: 03/19/2012 18:56 Calibration ID: 10538

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 580-107496/24	BB000790.D
Level 2	IC 580-107496/25	BB000791.D
Level 3	IC 580-107496/26	BB000792.D
Level 4	ICRT 580-107496/27	BB000793.D
Level 5	IC 580-107496/28	BB000794.D
Level 6	IC 580-107496/29	BB000795.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6					RT WINDOW	AVG RT
PCB-1242 Peak 1	3.476	3.476	3.477	3.478	3.477	3.478					3.448 - 3.508	3.477
PCB-1242 Peak 2	3.804	3.802	3.804	3.804	3.803	3.805					3.774 - 3.834	3.804
PCB-1242 Peak 3	4.178	4.178	4.178	4.179	4.178	4.179					4.149 - 4.209	4.178
PCB-1242 Peak 4	4.353	4.354	4.353	4.354	4.353	4.353					4.324 - 4.384	4.353
PCB-1242 Peak 5	4.718	4.719	4.720	4.719	4.719	4.720					4.690 - 4.750	4.719

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Seattle Job No.: 580-32287-1 Analy Batch No.: 107496

SDG No.: _____

Instrument ID: TAC045 GC Column: ZB-35-HT ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/19/2012 17:48 Calibration End Date: 03/19/2012 18:56 Calibration ID: 10538

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 580-107496/24	BB000790.D
Level 2	IC 580-107496/25	BB000791.D
Level 3	IC 580-107496/26	BB000792.D
Level 4	ICRT 580-107496/27	BB000793.D
Level 5	IC 580-107496/28	BB000794.D
Level 6	IC 580-107496/29	BB000795.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3	LVL 4		B	M1	M2								
PCB-1242 Peak 1	52769 46445	48879 43371	51410	49440	Lin2	62627.6442	46811.9567							0.9960		0.9900
PCB-1242 Peak 2	130371 98077	117315 89876	112463	106141	Lin2	343399.534	98583.7504							0.9950		0.9900
PCB-1242 Peak 3	243544 202808	217570 191713	207586	203768	Lin2	455566.851	197292.363							0.9990		0.9900
PCB-1242 Peak 4	76419 62384	68508 59234	65080	63377	Lin2	153691.291	61153.6383							0.9990		0.9900
PCB-1242 Peak 5	81895 69585	79693 65586	73510	70403	Lin2	150121.393	68873.7680							0.9980		0.9900

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Seattle Job No.: 580-32287-1 Analy Batch No.: 107496

SDG No.: _____

Instrument ID: TAC045 GC Column: ZB-35-HT ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/19/2012 17:48 Calibration End Date: 03/19/2012 18:56 Calibration ID: 10538

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 580-107496/24	BB000790.D
Level 2	IC 580-107496/25	BB000791.D
Level 3	IC 580-107496/26	BB000792.D
Level 4	ICRT 580-107496/27	BB000793.D
Level 5	IC 580-107496/28	BB000794.D
Level 6	IC 580-107496/29	BB000795.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
		LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
PCB-1242 Peak 1	Lin2	528537 43440214	979152	2574627	4951878	23259580	10.0 1002	20.0	50.1	100	501
PCB-1242 Peak 2	Lin2	1305799 90019983	2350062	5632152	10631085	49117074	10.0 1002	20.0	50.1	100	501
PCB-1242 Peak 3	Lin2	2439340 192019784	4358372	10395909	20409381	101566273	10.0 1002	20.0	50.1	100	501
PCB-1242 Peak 4	Lin2	765415 59328787	1372343	3259211	6347883	31241962	10.0 1002	20.0	50.1	100	501
PCB-1242 Peak 5	Lin2	820258 65691123	1596414	3681360	7051525	34847969	10.0 1002	20.0	50.1	100	501

Curve Type Legend:

Lin2 = Linear 1/conc^2

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Seattle Job No.: 580-32287-1 Analy Batch No.: 107496

SDG No.: _____

Instrument ID: TAC045 GC Column: ZB-XLB-HT ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/20/2012 09:36 Calibration End Date: 03/20/2012 10:44 Calibration ID: 10561

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 580-107496/31	BB000810.D
Level 2	IC 580-107496/32	BB000811.D
Level 3	IC 580-107496/33	BB000812.D
Level 4	ICRT 580-107496/34	BB000813.D
Level 5	IC 580-107496/35	BB000814.D
Level 6	IC 580-107496/36	BB000815.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6					RT WINDOW	AVG RT
PCB-1248 Peak 1	4.246	4.245	4.245	4.245	4.245	4.245					4.215 - 4.275	4.245
PCB-1248 Peak 2	4.390	4.390	4.390	4.390	4.389	4.389					4.359 - 4.419	4.390
PCB-1248 Peak 3	4.521	4.522	4.521	4.522	4.522	4.521					4.491 - 4.551	4.522
PCB-1248 Peak 4	4.745	4.745	4.745	4.745	4.745	4.745					4.715 - 4.775	4.745
PCB-1248 Peak 5	4.879	4.880	4.879	4.880	4.879	4.879					4.850 - 4.910	4.879
PCB-1268 Peak 1	6.532	6.533	6.531	6.532	6.533	6.531					6.503 - 6.563	6.532
PCB-1268 Peak 2	6.591	6.591	6.591	6.590	6.592	6.591					6.562 - 6.622	6.591
PCB-1268 Peak 3	6.760	6.759	6.760	6.759	6.761	6.759					6.729 - 6.789	6.760
PCB-1268 Peak 4	7.005	7.005	7.006	7.005	7.005	7.005					6.975 - 7.035	7.005
PCB-1268 Peak 5	7.246	7.245	7.245	7.245	7.246	7.245					7.215 - 7.275	7.245

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Seattle Job No.: 580-32287-1 Analy Batch No.: 107496

SDG No.: _____

Instrument ID: TAC045 GC Column: ZB-XLB-HT ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/20/2012 09:36 Calibration End Date: 03/20/2012 10:44 Calibration ID: 10561

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 580-107496/31	BB000810.D
Level 2	IC 580-107496/32	BB000811.D
Level 3	IC 580-107496/33	BB000812.D
Level 4	ICRT 580-107496/34	BB000813.D
Level 5	IC 580-107496/35	BB000814.D
Level 6	IC 580-107496/36	BB000815.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3	LVL 4		B	M1	M2								
PCB-1248 Peak 1	99326 69401	95948 71061	84775	79267	Lin2	294635.207	74319.8335							0.9930		0.9900
PCB-1248 Peak 2	105929 80387	103168 83645	96587	91875	Lin2	231640.701	86541.4003							0.9950		0.9900
PCB-1248 Peak 3	108055 75855	100307 82195	94301	91362	Lin2	271886.215	83728.8762							0.9940		0.9900
PCB-1248 Peak 4	118476 90080	118878 98349	107385	108083	Lin2	234709.232	99724.3343							0.9930		0.9900
PCB-1248 Peak 5	75135 58339	73336 63238	67770	71266	Lin2	128273.520	64272.6599							0.9940		0.9900
PCB-1268 Peak 1	456919 349787	443507 380969	419212	413557	Lin2	841598.301	384704.332							0.9950		0.9900
PCB-1268 Peak 2	405048 316877	401903 344811	380495	376099	Lin2	676759.568	350001.521							0.9940		0.9900
PCB-1268 Peak 3	349499 270879	341674 293181	324527	320839	Lin2	612728.429	297870.556							0.9950		0.9900
PCB-1268 Peak 4	160073 117587	158636 125931	148155	143810	Lin2	352853.875	131483.427							0.9910		0.9900
PCB-1268 Peak 5	1054676 883526	1049931 981908	1015573	1012737	Ave		999725.132				6.3		20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Seattle Job No.: 580-32287-1 Analy Batch No.: 107496

SDG No.: _____

Instrument ID: TAC045 GC Column: ZB-XLB-HT ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/20/2012 09:36 Calibration End Date: 03/20/2012 10:44 Calibration ID: 10561

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 580-107496/31	BB000810.D
Level 2	IC 580-107496/32	BB000811.D
Level 3	IC 580-107496/33	BB000812.D
Level 4	ICRT 580-107496/34	BB000813.D
Level 5	IC 580-107496/35	BB000814.D
Level 6	IC 580-107496/36	BB000815.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
		LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
PCB-1248 Peak 1	Lin2	994356 71139441	1921066	4243405	7935399	34738662	10.0 1001	20.0	50.1	100	501
PCB-1248 Peak 2	Lin2	1060458 83737263	2065637	4834663	9197576	40237945	10.0 1001	20.0	50.1	100	501
PCB-1248 Peak 3	Lin2	1081737 82285263	2008353	4720212	9146203	37969081	10.0 1001	20.0	50.1	100	501
PCB-1248 Peak 4	Lin2	1186068 98456820	2380182	5375143	10820143	45089483	10.0 1001	20.0	50.1	100	501
PCB-1248 Peak 5	Lin2	752177 63307935	1468326	3392226	7134414	29201809	10.0 1001	20.0	50.1	100	501
PCB-1268 Peak 1	Lin2	4518931 376778270	8772563	20730031	40900813	172969864	9.89 989	19.8	49.5	98.9	495
PCB-1268 Peak 2	Lin2	4005926 341018168	7949641	18815499	37196209	156695569	9.89 989	19.8	49.5	98.9	495
PCB-1268 Peak 3	Lin2	3456546 289956425	6758310	16047854	31730991	133949832	9.89 989	19.8	49.5	98.9	495
PCB-1268 Peak 4	Lin2	1583119 124545981	3137821	7326260	14222770	58146542	9.89 989	19.8	49.5	98.9	495
PCB-1268 Peak 5	Ave	10430744 971106779	20767632	50220067	100159733	436903742	9.89 989	19.8	49.5	98.9	495

Curve Type Legend:

Ave = Average
Lin2 = Linear 1/conc^2

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Seattle Job No.: 580-32287-1 Analy Batch No.: 107496

SDG No.: _____

Instrument ID: TAC045 GC Column: ZB-35-HT ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/20/2012 09:36 Calibration End Date: 03/20/2012 10:44 Calibration ID: 10562

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 580-107496/31	BB000810.D
Level 2	IC 580-107496/32	BB000811.D
Level 3	IC 580-107496/33	BB000812.D
Level 4	ICRT 580-107496/34	BB000813.D
Level 5	IC 580-107496/35	BB000814.D
Level 6	IC 580-107496/36	BB000815.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6					RT WINDOW	AVG RT
PCB-1248 Peak 1	4.176	4.177	4.178	4.178	4.176	4.177					4.148 - 4.208	4.177
PCB-1248 Peak 2	4.417	4.417	4.416	4.416	4.417	4.417					4.387 - 4.447	4.417
PCB-1248 Peak 3	4.607	4.608	4.607	4.608	4.607	4.607					4.578 - 4.638	4.607
PCB-1248 Peak 4	4.718	4.717	4.718	4.719	4.718	4.718					4.689 - 4.749	4.718
PCB-1248 Peak 5	4.917	4.918	4.917	4.917	4.917	4.917					4.887 - 4.947	4.917
PCB-1268 Peak 1	6.730	6.728	6.729	6.730	6.730	6.730					6.700 - 6.760	6.730
PCB-1268 Peak 2	6.788	6.788	6.787	6.788	6.788	6.789					6.758 - 6.818	6.788
PCB-1268 Peak 3	6.945	6.945	6.945	6.945	6.944	6.945					6.915 - 6.975	6.945
PCB-1268 Peak 4	7.238	7.237	7.236	7.238	7.238	7.238					7.208 - 7.268	7.238
PCB-1268 Peak 5	7.467	7.468	7.467	7.467	7.470	7.468					7.437 - 7.497	7.468

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Seattle Job No.: 580-32287-1 Analy Batch No.: 107496

SDG No.: _____

Instrument ID: TAC045 GC Column: ZB-35-HT ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/20/2012 09:36 Calibration End Date: 03/20/2012 10:44 Calibration ID: 10562

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 580-107496/31	BB000810.D
Level 2	IC 580-107496/32	BB000811.D
Level 3	IC 580-107496/33	BB000812.D
Level 4	ICRT 580-107496/34	BB000813.D
Level 5	IC 580-107496/35	BB000814.D
Level 6	IC 580-107496/36	BB000815.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3	LVL 4		B	M1	M2								
PCB-1248 Peak 1	154870 121533	148779 130470	137769	136552	Lin2	284032.292	129675.149							0.9980		0.9900
PCB-1248 Peak 2	106281 76122	102666 79480	93379	90115	Lin2	275985.362	82932.0547							0.9930		0.9900
PCB-1248 Peak 3	117156 93911	120419 98832	111806	110536	Lin2	196691.008	102784.158							0.9930		0.9900
PCB-1248 Peak 4	107396 81538	106005 87028	95855	92499	Lin2	234279.048	87915.9267							0.9950		0.9900
PCB-1248 Peak 5	158454 131022	162003 140372	154221	148562	Lin2	220038.130	142401.857							0.9950		0.9900
PCB-1268 Peak 1	477852 411512	558700 461512	496441	474739	Ave		480126.168				10.0		20.0			
PCB-1268 Peak 2	456856 384294	489570 427134	451386	444063	Ave		442217.254				7.9		20.0			
PCB-1268 Peak 3	408108 329057	396498 364564	378174	376705	Ave		375517.540				7.3		20.0			
PCB-1268 Peak 4	176701 137400	176122 150809	167712	163459	Lin2	298212.118	152837.333							0.9940		0.9900
PCB-1268 Peak 5	1226839 1082853	1228128 1223642	1202357	1220999	Ave		1197469.73				4.8		20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Seattle Job No.: 580-32287-1 Analy Batch No.: 107496

SDG No.: _____

Instrument ID: TAC045 GC Column: ZB-35-HT ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/20/2012 09:36 Calibration End Date: 03/20/2012 10:44 Calibration ID: 10562

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 580-107496/31	BB000810.D
Level 2	IC 580-107496/32	BB000811.D
Level 3	IC 580-107496/33	BB000812.D
Level 4	ICRT 580-107496/34	BB000813.D
Level 5	IC 580-107496/35	BB000814.D
Level 6	IC 580-107496/36	BB000815.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
		LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
PCB-1248 Peak 1	Lin2	1550399 130613550	2978855	6896009	13670183	60833225	10.0 1001	20.0	50.1	100	501
PCB-1248 Peak 2	Lin2	1063977 79567659	2055570	4674089	9021411	38102626	10.0 1001	20.0	50.1	100	501
PCB-1248 Peak 3	Lin2	1172847 98940830	2411026	5596443	11065759	47007249	10.0 1001	20.0	50.1	100	501
PCB-1248 Peak 4	Lin2	1075143 87124023	2122432	4798031	9260100	40813664	10.0 1001	20.0	50.1	100	501
PCB-1248 Peak 5	Lin2	1586284 140526638	3243615	7719534	14872505	65583226	10.0 1001	20.0	50.1	100	501
PCB-1268 Peak 1	Ave	4725959 456435633	11051093	24549011	46951685	203492714	9.89 989	19.8	49.5	98.9	495
PCB-1268 Peak 2	Ave	4518309 422435801	9683691	22321054	43917833	190033263	9.89 989	19.8	49.5	98.9	495
PCB-1268 Peak 3	Ave	4036192 360553881	7842722	18700680	37256081	162718747	9.89 989	19.8	49.5	98.9	495
PCB-1268 Peak 4	Lin2	1747569 149150521	3483695	8293380	16166118	67944301	9.89 989	19.8	49.5	98.9	495
PCB-1268 Peak 5	Ave	12133436 1210182115	24292379	59456559	120756761	535470956	9.89 989	19.8	49.5	98.9	495

Curve Type Legend:

Ave = Average
Lin2 = Linear 1/conc^2

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
 SDG No.: _____
 Lab Sample ID: ICV 580-107496/8 Calibration Date: 03/19/2012 13:22
 Instrument ID: TAC045 Calib Start Date: 03/19/2012 11:03
 GC Column: ZB-XLB-HT ID: 0.25 (mm) Calib End Date: 03/19/2012 13:08
 Lab File ID: BB000774.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	69919	69453		99.3	100	-0.7	20.0
PCB-1016 Peak 2	Lin2		44002		104	100	4.0	20.0
PCB-1016 Peak 3	Lin2		124953		98.6	100	-1.4	20.0
PCB-1016 Peak 4	Ave	69669	71392		103	100	2.5	20.0
PCB-1016 Peak 5	Ave	59155	63861		108	100	8.0	20.0
PCB-1260 Peak 1	Lin2		135738		109	100	8.5	20.0
PCB-1260 Peak 2	Lin2		206742		108	100	8.4	20.0
PCB-1260 Peak 3	Ave	190266	191392		101	100	0.6	20.0
PCB-1260 Peak 4	Ave	236481	282091		119	100	19.3	20.0
PCB-1260 Peak 5	Ave	152949	181950		119	100	19.0	20.0
Tetrachloro-m-xylene	Lin2		3049638		9.82	10.0	-1.8	20.0
DCB Decachlorobiphenyl	Ave	2144171	2454051		11.4	10.0	14.5	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
SDG No.: _____
Lab Sample ID: ICV 580-107496/8 Calibration Date: 03/19/2012 13:22
Instrument ID: TAC045 Calib Start Date: 03/19/2012 11:03
GC Column: ZB-XLB-HT ID: 0.25 (mm) Calib End Date: 03/19/2012 13:08
Lab File ID: BB000774.D

Analyte	RT	RT WINDOW	
		TO	FROM
PCB-1016 Peak 1	3.60	3.57	3.63
PCB-1016 Peak 2	3.74	3.71	3.77
PCB-1016 Peak 3	4.04	4.01	4.07
PCB-1016 Peak 4	4.15	4.12	4.18
PCB-1016 Peak 5	4.39	4.36	4.42
PCB-1260 Peak 1	5.34	5.31	5.37
PCB-1260 Peak 2	5.56	5.53	5.59
PCB-1260 Peak 3	5.78	5.75	5.81
PCB-1260 Peak 4	6.29	6.26	6.32
PCB-1260 Peak 5	6.52	6.49	6.55
Tetrachloro-m-xylene	2.91	2.88	2.94
DCB Decachlorobiphenyl	7.43	7.40	7.46

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
 SDG No.: _____
 Lab Sample ID: ICV 580-107496/8 Calibration Date: 03/19/2012 13:22
 Instrument ID: TAC045 Calib Start Date: 03/19/2012 11:03
 GC Column: ZB-35-HT ID: 0.25 (mm) Calib End Date: 03/19/2012 13:08
 Lab File ID: BB000774.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Lin2		58377		104	100	3.9	20.0
PCB-1016 Peak 2	Lin2		128884		104	100	3.9	20.0
PCB-1016 Peak 3	Lin2		252673		101	100	0.9	20.0
PCB-1016 Peak 4	Ave	100827	108964		108	100	8.1	20.0
PCB-1016 Peak 5	Ave	76116	79599		105	100	4.6	20.0
PCB-1260 Peak 1	Ave	149558	161412		108	100	7.9	20.0
PCB-1260 Peak 2	Ave	233717	228215		97.6	100	-2.4	20.0
PCB-1260 Peak 3	Lin2		165850		116	100	16.0	20.0
PCB-1260 Peak 4	Ave	281717	331065		118	100	17.5	20.0
PCB-1260 Peak 5	Ave	220021	253258		115	100	15.1	20.0
Tetrachloro-m-xylene	Ave	3407482	3293364		9.67	10.0	-3.3	20.0
DCB Decachlorobiphenyl	Ave	3068650	3054697		9.95	10.0	-0.5	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
 SDG No.: _____
 Lab Sample ID: ICV 580-107496/8 Calibration Date: 03/19/2012 13:22
 Instrument ID: TAC045 Calib Start Date: 03/19/2012 11:03
 GC Column: ZB-35-HT ID: 0.25 (mm) Calib End Date: 03/19/2012 13:08
 Lab File ID: BB000774.D

Analyte	RT	RT WINDOW	
		TO	FROM
PCB-1016 Peak 1	3.48	3.45	3.51
PCB-1016 Peak 2	3.80	3.77	3.83
PCB-1016 Peak 3	4.18	4.15	4.21
PCB-1016 Peak 4	4.26	4.23	4.29
PCB-1016 Peak 5	4.35	4.32	4.38
PCB-1260 Peak 1	5.54	5.51	5.57
PCB-1260 Peak 2	5.99	5.97	6.03
PCB-1260 Peak 3	6.26	6.23	6.29
PCB-1260 Peak 4	6.49	6.46	6.52
PCB-1260 Peak 5	6.78	6.75	6.81
Tetrachloro-m-xylene	2.90	2.87	2.93
DCB Decachlorobiphenyl	7.64	7.61	7.67

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
SDG No.: _____
Lab Sample ID: ICV 580-107496/16 Calibration Date: 03/19/2012 16:00
Instrument ID: TAC045 Calib Start Date: 03/19/2012 14:38
GC Column: ZB-XLB-HT ID: 0.25 (mm) Calib End Date: 03/19/2012 15:46
Lab File ID: BB000782.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1221 Peak 1	Lin2		22884		118	100	17.8	20.0
PCB-1221 Peak 2	Lin2		27110		82.8	100	-17.2	20.0
PCB-1221 Peak 3	Lin2		23179		95.6	100	-4.4	20.0
PCB-1221 Peak 4	Lin2		72754		99.4	100	-0.6	20.0
PCB-1254 Peak 1	Lin2		124440		111	100	11.0	20.0
PCB-1254 Peak 2	Lin2		180196		111	100	11.1	20.0
PCB-1254 Peak 3	Lin2		136476		102	100	1.8	20.0
PCB-1254 Peak 4	Lin1		124819		112	100	12.4	20.0
PCB-1254 Peak 5	Lin2		148609		107	100	7.3	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
SDG No.: _____
Lab Sample ID: ICV 580-107496/16 Calibration Date: 03/19/2012 16:00
Instrument ID: TAC045 Calib Start Date: 03/19/2012 14:38
GC Column: ZB-XLB-HT ID: 0.25 (mm) Calib End Date: 03/19/2012 15:46
Lab File ID: BB000782.D

Analyte	RT	RT WINDOW	
		TO	FROM
PCB-1221 Peak 1	2.09	2.07	2.13
PCB-1221 Peak 2	3.12	3.09	3.15
PCB-1221 Peak 3	3.20	3.17	3.23
PCB-1221 Peak 4	3.28	3.25	3.31
PCB-1254 Peak 1	4.91	4.87	4.93
PCB-1254 Peak 2	5.20	5.16	5.22
PCB-1254 Peak 3	5.45	5.42	5.48
PCB-1254 Peak 4	5.56	5.53	5.59
PCB-1254 Peak 5	5.78	5.75	5.81

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
SDG No.: _____
Lab Sample ID: ICV 580-107496/16 Calibration Date: 03/19/2012 16:00
Instrument ID: TAC045 Calib Start Date: 03/19/2012 14:38
GC Column: ZB-35-HT ID: 0.25 (mm) Calib End Date: 03/19/2012 15:46
Lab File ID: BB000782.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1221 Peak 1	Lin2		20964		100	100	0.4	20.0
PCB-1221 Peak 2	Lin2		36018		98.4	100	-1.6	20.0
PCB-1221 Peak 3	Lin2		21670		94.9	100	-5.1	20.0
PCB-1221 Peak 4	Lin2		82158		93.9	100	-6.1	20.0
PCB-1254 Peak 1	Lin2		173569		112	100	11.6	20.0
PCB-1254 Peak 2	Lin2		147922		116	100	15.7	20.0
PCB-1254 Peak 3	Lin2		230969		111	100	10.7	20.0
PCB-1254 Peak 4	Lin2		142672		98.5	100	-1.5	20.0
PCB-1254 Peak 5	Lin2		212883		110	100	9.7	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
SDG No.: _____
Lab Sample ID: ICV 580-107496/16 Calibration Date: 03/19/2012 16:00
Instrument ID: TAC045 Calib Start Date: 03/19/2012 14:38
GC Column: ZB-35-HT ID: 0.25 (mm) Calib End Date: 03/19/2012 15:46
Lab File ID: BB000782.D

Analyte	RT	RT WINDOW	
		TO	FROM
PCB-1221 Peak 1	2.41	2.38	2.44
PCB-1221 Peak 2	3.30	3.26	3.32
PCB-1221 Peak 3	3.41	3.38	3.44
PCB-1221 Peak 4	3.48	3.45	3.51
PCB-1254 Peak 1	4.92	4.89	4.95
PCB-1254 Peak 2	5.07	5.04	5.10
PCB-1254 Peak 3	5.41	5.38	5.44
PCB-1254 Peak 4	5.62	5.58	5.64
PCB-1254 Peak 5	6.00	5.96	6.02

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
 SDG No.: _____
 Lab Sample ID: ICV 580-107496/23 Calibration Date: 03/19/2012 17:35
 Instrument ID: TAC045 Calib Start Date: 03/19/2012 16:13
 GC Column: ZB-XLB-HT ID: 0.25 (mm) Calib End Date: 03/19/2012 17:21
 Lab File ID: BB000789.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1232 Peak 1	Lin2		59306		104	100	4.2	20.0
PCB-1232 Peak 2	Ave	31827	33940		107	100	6.6	20.0
PCB-1232 Peak 3	Lin1		59926		100	100	0.3	20.0
PCB-1232 Peak 4	Lin2		24089		105	100	4.9	20.0
PCB-1232 Peak 5	Lin2		29104		105	100	5.3	20.0
PCB-1262 Peak 1	Lin1		154978		101	100	1.4	20.0
PCB-1262 Peak 2	Lin2		187858		107	100	6.7	20.0
PCB-1262 Peak 3	Lin2		342851		102	100	2.1	20.0
PCB-1262 Peak 4	Lin2		235810		116	100	15.8	20.0
PCB-1262 Peak 5	Lin1		126091		108	100	8.3	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
SDG No.: _____
Lab Sample ID: ICV 580-107496/23 Calibration Date: 03/19/2012 17:35
Instrument ID: TAC045 Calib Start Date: 03/19/2012 16:13
GC Column: ZB-XLB-HT ID: 0.25 (mm) Calib End Date: 03/19/2012 17:21
Lab File ID: BB000789.D

Analyte	RT	RT WINDOW	
		TO	FROM
PCB-1232 Peak 1	3.28	3.25	3.31
PCB-1232 Peak 2	3.60	3.57	3.63
PCB-1232 Peak 3	4.04	4.01	4.07
PCB-1232 Peak 4	4.25	4.22	4.28
PCB-1232 Peak 5	4.39	4.36	4.42
PCB-1262 Peak 1	5.56	5.53	5.59
PCB-1262 Peak 2	5.86	5.83	5.89
PCB-1262 Peak 3	6.29	6.26	6.32
PCB-1262 Peak 4	6.53	6.50	6.56
PCB-1262 Peak 5	7.01	6.98	7.04

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
 SDG No.: _____
 Lab Sample ID: ICV 580-107496/23 Calibration Date: 03/19/2012 17:35
 Instrument ID: TAC045 Calib Start Date: 03/19/2012 16:13
 GC Column: ZB-35-HT ID: 0.25 (mm) Calib End Date: 03/19/2012 17:21
 Lab File ID: BB000789.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1232 Peak 1	Ave	69660	70413		101	100	1.1	20.0
PCB-1232 Peak 2	Lin2		63890		103	100	2.9	20.0
PCB-1232 Peak 3	Lin2		115739		103	100	2.6	20.0
PCB-1232 Peak 4	Lin2		50676		104	100	3.7	20.0
PCB-1232 Peak 5	Lin2		26504		104	100	3.9	20.0
PCB-1262 Peak 1	Lin1		137110		105	100	4.8	20.0
PCB-1262 Peak 2	Lin2		219176		107	100	6.8	20.0
PCB-1262 Peak 3	Lin2		398349		101	100	0.6	20.0
PCB-1262 Peak 4	Lin2		305341		110	100	10.1	20.0
PCB-1262 Peak 5	Lin2		145437		108	100	7.8	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
SDG No.: _____
Lab Sample ID: ICV 580-107496/23 Calibration Date: 03/19/2012 17:35
Instrument ID: TAC045 Calib Start Date: 03/19/2012 16:13
GC Column: ZB-35-HT ID: 0.25 (mm) Calib End Date: 03/19/2012 17:21
Lab File ID: BB000789.D

Analyte	RT	RT WINDOW	
		TO	FROM
PCB-1232 Peak 1	3.48	3.45	3.51
PCB-1232 Peak 2	3.80	3.77	3.83
PCB-1232 Peak 3	4.18	4.15	4.21
PCB-1232 Peak 4	4.26	4.23	4.29
PCB-1232 Peak 5	4.42	4.39	4.45
PCB-1262 Peak 1	5.54	5.51	5.57
PCB-1262 Peak 2	6.04	6.01	6.07
PCB-1262 Peak 3	6.49	6.46	6.52
PCB-1262 Peak 4	6.79	6.76	6.82
PCB-1262 Peak 5	7.24	7.21	7.27

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
SDG No.: _____
Lab Sample ID: ICV 580-107496/30 Calibration Date: 03/19/2012 19:10
Instrument ID: TAC045 Calib Start Date: 03/19/2012 17:48
GC Column: ZB-XLB-HT ID: 0.25 (mm) Calib End Date: 03/19/2012 18:56
Lab File ID: BB000796.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1242 Peak 1	Ave	39916	38749		97.1	100	-2.9	20.0
PCB-1242 Peak 2	Lin2		59058		106	100	6.0	20.0
PCB-1242 Peak 3	Ave	106526	105264		98.8	100	-1.2	20.0
PCB-1242 Peak 4	Lin2		44229		104	100	4.1	20.0
PCB-1242 Peak 5	Lin2		61994		104	100	3.7	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
SDG No.: _____
Lab Sample ID: ICV 580-107496/30 Calibration Date: 03/19/2012 19:10
Instrument ID: TAC045 Calib Start Date: 03/19/2012 17:48
GC Column: ZB-XLB-HT ID: 0.25 (mm) Calib End Date: 03/19/2012 18:56
Lab File ID: BB000796.D

Analyte	RT	RT WINDOW	
		TO	FROM
PCB-1242 Peak 1	3.28	3.25	3.31
PCB-1242 Peak 2	3.60	3.57	3.63
PCB-1242 Peak 3	4.04	4.01	4.07
PCB-1242 Peak 4	4.25	4.22	4.28
PCB-1242 Peak 5	4.78	4.75	4.81

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
SDG No.: _____
Lab Sample ID: ICV 580-107496/30 Calibration Date: 03/19/2012 19:10
Instrument ID: TAC045 Calib Start Date: 03/19/2012 17:48
GC Column: ZB-35-HT ID: 0.25 (mm) Calib End Date: 03/19/2012 18:56
Lab File ID: BB000796.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1242 Peak 1	Lin2		50171		106	100	5.8	20.0
PCB-1242 Peak 2	Lin2		107190		105	100	5.2	20.0
PCB-1242 Peak 3	Lin2		205796		102	100	2.0	20.0
PCB-1242 Peak 4	Lin2		63629		102	100	1.5	20.0
PCB-1242 Peak 5	Lin2		71000		101	100	0.9	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
SDG No.: _____
Lab Sample ID: ICV 580-107496/30 Calibration Date: 03/19/2012 19:10
Instrument ID: TAC045 Calib Start Date: 03/19/2012 17:48
GC Column: ZB-35-HT ID: 0.25 (mm) Calib End Date: 03/19/2012 18:56
Lab File ID: BB000796.D

Analyte	RT	RT WINDOW	
		TO	FROM
PCB-1242 Peak 1	3.48	3.45	3.51
PCB-1242 Peak 2	3.80	3.77	3.83
PCB-1242 Peak 3	4.18	4.15	4.21
PCB-1242 Peak 4	4.35	4.32	4.38
PCB-1242 Peak 5	4.72	4.69	4.75

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
 SDG No.: _____
 Lab Sample ID: ICV 580-107496/37 Calibration Date: 03/20/2012 10:58
 Instrument ID: TAC045 Calib Start Date: 03/20/2012 09:36
 GC Column: ZB-XLB-HT ID: 0.25 (mm) Calib End Date: 03/20/2012 10:44
 Lab File ID: BB000816.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1248 Peak 1	Lin2		80031		104	100	3.7	20.0
PCB-1248 Peak 2	Lin2		93027		105	100	4.8	20.0
PCB-1248 Peak 3	Lin2		93633		109	100	8.6	20.0
PCB-1248 Peak 4	Lin2		112403		110	100	10.4	20.0
PCB-1248 Peak 5	Lin2		75628		116	100	15.7	20.0
PCB-1268 Peak 1	Lin2		406998		104	100	3.6	20.0
PCB-1268 Peak 2	Lin2		370522		104	100	3.9	20.0
PCB-1268 Peak 3	Lin2		308060		101	100	1.4	20.0
PCB-1268 Peak 4	Lin2		142326		106	100	5.6	20.0
PCB-1268 Peak 5	Ave	999725	963332		96.4	100	-3.6	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
SDG No.: _____
Lab Sample ID: ICV 580-107496/37 Calibration Date: 03/20/2012 10:58
Instrument ID: TAC045 Calib Start Date: 03/20/2012 09:36
GC Column: ZB-XLB-HT ID: 0.25 (mm) Calib End Date: 03/20/2012 10:44
Lab File ID: BB000816.D

Analyte	RT	RT WINDOW	
		TO	FROM
PCB-1248 Peak 1	4.25	4.22	4.28
PCB-1248 Peak 2	4.39	4.36	4.42
PCB-1248 Peak 3	4.52	4.49	4.55
PCB-1248 Peak 4	4.75	4.72	4.78
PCB-1248 Peak 5	4.88	4.85	4.91
PCB-1268 Peak 1	6.53	6.50	6.56
PCB-1268 Peak 2	6.59	6.56	6.62
PCB-1268 Peak 3	6.76	6.73	6.79
PCB-1268 Peak 4	7.01	6.98	7.04
PCB-1268 Peak 5	7.25	7.22	7.28

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
 SDG No.: _____
 Lab Sample ID: ICV 580-107496/37 Calibration Date: 03/20/2012 10:58
 Instrument ID: TAC045 Calib Start Date: 03/20/2012 09:36
 GC Column: ZB-35-HT ID: 0.25 (mm) Calib End Date: 03/20/2012 10:44
 Lab File ID: BB000816.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1248 Peak 1	Lin2		133219		101	100	0.5	20.0
PCB-1248 Peak 2	Lin2		91068		107	100	6.5	20.0
PCB-1248 Peak 3	Lin2		114179		109	100	9.2	20.0
PCB-1248 Peak 4	Lin2		96184		107	100	6.7	20.0
PCB-1248 Peak 5	Lin2		154306		107	100	6.8	20.0
PCB-1268 Peak 1	Ave	480126	468166		97.5	100	-2.5	20.0
PCB-1268 Peak 2	Ave	442217	436251		98.7	100	-1.3	20.0
PCB-1268 Peak 3	Ave	375518	363908		96.9	100	-3.1	20.0
PCB-1268 Peak 4	Lin2		162208		104	100	4.2	20.0
PCB-1268 Peak 5	Ave	1197470	1171148		97.8	100	-2.2	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
SDG No.: _____
Lab Sample ID: ICV 580-107496/37 Calibration Date: 03/20/2012 10:58
Instrument ID: TAC045 Calib Start Date: 03/20/2012 09:36
GC Column: ZB-35-HT ID: 0.25 (mm) Calib End Date: 03/20/2012 10:44
Lab File ID: BB000816.D

Analyte	RT	RT WINDOW	
		TO	FROM
PCB-1248 Peak 1	4.18	4.15	4.21
PCB-1248 Peak 2	4.42	4.39	4.45
PCB-1248 Peak 3	4.61	4.58	4.64
PCB-1248 Peak 4	4.72	4.69	4.75
PCB-1248 Peak 5	4.92	4.89	4.95
PCB-1268 Peak 1	6.73	6.70	6.76
PCB-1268 Peak 2	6.79	6.76	6.82
PCB-1268 Peak 3	6.95	6.92	6.98
PCB-1268 Peak 4	7.24	7.21	7.27
PCB-1268 Peak 5	7.47	7.44	7.50

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
 SDG No.: _____
 Lab Sample ID: CCVRT 580-109208/1 Calibration Date: 04/13/2012 07:48
 Instrument ID: TAC045 Calib Start Date: 03/19/2012 11:03
 GC Column: ZB-XLB-HT ID: 0.25 (mm) Calib End Date: 03/19/2012 13:08
 Lab File ID: BB001368.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	69919	67814		97.2	100	-3.0	20.0
PCB-1016 Peak 2	Lin2		44049		104	100	4.1	20.0
PCB-1016 Peak 3	Lin2		122153		96.5	100	-3.7	20.0
PCB-1016 Peak 4	Ave	69669	66377		95.5	100	-4.7	20.0
PCB-1016 Peak 5	Ave	59155	59963		102	100	1.4	20.0
PCB-1260 Peak 1	Lin2		130091		104	100	4.0	20.0
PCB-1260 Peak 2	Lin2		203427		107	100	6.6	20.0
PCB-1260 Peak 3	Ave	190266	194914		103	100	2.4	20.0
PCB-1260 Peak 4	Ave	236481	260282		110	100	10.1	20.0
PCB-1260 Peak 5	Ave	152949	167117		109	100	9.3	20.0
Tetrachloro-m-xylene	Lin2		2886012		9.30	10.0	-7.0	20.0
DCB Decachlorobiphenyl	Ave	2144171	2517052		11.7	10.0	17.4	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
SDG No.: _____
Lab Sample ID: CCVRT 580-109208/1 Calibration Date: 04/13/2012 07:48
Instrument ID: TAC045 Calib Start Date: 03/19/2012 11:03
GC Column: ZB-XLB-HT ID: 0.25 (mm) Calib End Date: 03/19/2012 13:08
Lab File ID: BB001368.D

Analyte	RT	RT WINDOW	
		TO	FROM
PCB-1016 Peak 1	3.53	3.50	3.56
PCB-1016 Peak 2	3.68	3.65	3.71
PCB-1016 Peak 3	3.98	3.95	4.01
PCB-1016 Peak 4	4.08	4.05	4.11
PCB-1016 Peak 5	4.32	4.29	4.35
PCB-1260 Peak 1	5.26	5.23	5.29
PCB-1260 Peak 2	5.49	5.46	5.52
PCB-1260 Peak 3	5.71	5.68	5.74
PCB-1260 Peak 4	6.22	6.19	6.25
PCB-1260 Peak 5	6.45	6.42	6.48
Tetrachloro-m-xylene	2.84	2.81	2.87
DCB Decachlorobiphenyl	7.35	7.32	7.38

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
 SDG No.: _____
 Lab Sample ID: CCVRT 580-109208/1 Calibration Date: 04/13/2012 07:48
 Instrument ID: TAC045 Calib Start Date: 03/19/2012 11:03
 GC Column: ZB-35-HT ID: 0.25 (mm) Calib End Date: 03/19/2012 13:08
 Lab File ID: BB001368.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Lin2		47571		84.3	100	-15.9	20.0
PCB-1016 Peak 2	Lin2		106063		85.2	100	-15.0	20.0
PCB-1016 Peak 3	Lin2		206074		82.3	100	-17.9	20.0
PCB-1016 Peak 4	Ave	100827	87736		87.2	100	-13.0	20.0
PCB-1016 Peak 5	Ave	76116	65803		86.6	100	-13.5	20.0
PCB-1260 Peak 1	Ave	149558	128083		85.7	100	-14.4	20.0
PCB-1260 Peak 2	Ave	233717	195964		83.9	100	-16.2	20.0
PCB-1260 Peak 3	Lin2		122706		85.6	100	-14.5	20.0
PCB-1260 Peak 4	Ave	281717	237821		84.5	100	-15.6	20.0
PCB-1260 Peak 5	Ave	220021	189148		86.1	100	-14.0	20.0
Tetrachloro-m-xylene	Ave	3407482	2914499		8.55	10.0	-14.5	20.0
DCB Decachlorobiphenyl	Ave	3068650	2442724		7.96	10.0	-20.4*	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
 SDG No.: _____
 Lab Sample ID: CCVRT 580-109208/1 Calibration Date: 04/13/2012 07:48
 Instrument ID: TAC045 Calib Start Date: 03/19/2012 11:03
 GC Column: ZB-35-HT ID: 0.25 (mm) Calib End Date: 03/19/2012 13:08
 Lab File ID: BB001368.D

Analyte	RT	RT WINDOW	
		TO	FROM
PCB-1016 Peak 1	3.46	3.43	3.49
PCB-1016 Peak 2	3.79	3.76	3.82
PCB-1016 Peak 3	4.16	4.13	4.19
PCB-1016 Peak 4	4.24	4.21	4.27
PCB-1016 Peak 5	4.34	4.31	4.37
PCB-1260 Peak 1	5.52	5.49	5.55
PCB-1260 Peak 2	5.98	5.95	6.01
PCB-1260 Peak 3	6.24	6.21	6.27
PCB-1260 Peak 4	6.47	6.44	6.50
PCB-1260 Peak 5	6.76	6.73	6.79
Tetrachloro-m-xylene	2.88	2.85	2.91
DCB Decachlorobiphenyl	7.62	7.59	7.65

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
 SDG No.: _____
 Lab Sample ID: CCV 580-109208/2 Calibration Date: 04/13/2012 08:01
 Instrument ID: TAC045 Calib Start Date: 03/19/2012 14:38
 GC Column: ZB-XLB-HT ID: 0.25 (mm) Calib End Date: 03/19/2012 15:46
 Lab File ID: BB001369.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1221 Peak 1	Lin2		21983		113	100	13.1	20.0
PCB-1221 Peak 2	Lin2		33015		103	100	2.8	20.0
PCB-1221 Peak 3	Lin2		23947		99.6	100	-0.5	20.0
PCB-1221 Peak 4	Lin2		74781		102	100	2.2	20.0
PCB-1254 Peak 1	Lin2		126492		113	100	12.9	20.0
PCB-1254 Peak 2	Lin2		174515		108	100	7.5	20.0
PCB-1254 Peak 3	Lin2		141448		106	100	5.9	20.0
PCB-1254 Peak 4	Lin1		128537		116	100	15.9	20.0
PCB-1254 Peak 5	Lin2		142663		103	100	2.9	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
SDG No.: _____
Lab Sample ID: CCV 580-109208/2 Calibration Date: 04/13/2012 08:01
Instrument ID: TAC045 Calib Start Date: 03/19/2012 14:38
GC Column: ZB-XLB-HT ID: 0.25 (mm) Calib End Date: 03/19/2012 15:46
Lab File ID: BB001369.D

Analyte	RT	RT WINDOW	
		TO	FROM
PCB-1221 Peak 1	2.01	1.98	2.04
PCB-1221 Peak 2	3.05	3.02	3.08
PCB-1221 Peak 3	3.13	3.10	3.16
PCB-1221 Peak 4	3.21	3.18	3.24
PCB-1254 Peak 1	4.81	4.78	4.84
PCB-1254 Peak 2	5.12	5.09	5.15
PCB-1254 Peak 3	5.38	5.35	5.41
PCB-1254 Peak 4	5.49	5.46	5.52
PCB-1254 Peak 5	5.71	5.68	5.74

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
 SDG No.: _____
 Lab Sample ID: CCV 580-109208/2 Calibration Date: 04/13/2012 08:01
 Instrument ID: TAC045 Calib Start Date: 03/19/2012 14:38
 GC Column: ZB-35-HT ID: 0.25 (mm) Calib End Date: 03/19/2012 15:46
 Lab File ID: BB001369.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1221 Peak 1	Lin2		18554		88.8	100	-11.3	20.0
PCB-1221 Peak 2	Lin2		34436		94.1	100	-6.0	20.0
PCB-1221 Peak 3	Lin2		23253		102	100	2.0	20.0
PCB-1221 Peak 4	Lin2		83402		95.5	100	-4.6	20.0
PCB-1254 Peak 1	Lin2		150883		96.8	100	-3.3	20.0
PCB-1254 Peak 2	Lin2		122593		95.5	100	-4.6	20.0
PCB-1254 Peak 3	Lin2		173537		82.7	100	-17.4	20.0
PCB-1254 Peak 4	Lin2		135438		93.5	100	-6.6	20.0
PCB-1254 Peak 5	Lin2		174883		88.9	100	-11.2	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
SDG No.: _____
Lab Sample ID: CCV 580-109208/2 Calibration Date: 04/13/2012 08:01
Instrument ID: TAC045 Calib Start Date: 03/19/2012 14:38
GC Column: ZB-35-HT ID: 0.25 (mm) Calib End Date: 03/19/2012 15:46
Lab File ID: BB001369.D

Analyte	RT	RT WINDOW	
		TO	FROM
PCB-1221 Peak 1	2.39	2.36	2.42
PCB-1221 Peak 2	3.28	3.25	3.31
PCB-1221 Peak 3	3.39	3.36	3.42
PCB-1221 Peak 4	3.46	3.43	3.49
PCB-1254 Peak 1	4.90	4.87	4.93
PCB-1254 Peak 2	5.05	5.02	5.08
PCB-1254 Peak 3	5.39	5.36	5.42
PCB-1254 Peak 4	5.59	5.56	5.62
PCB-1254 Peak 5	5.98	5.95	6.01

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Seattle Job No.: 580-32287-1

SDG No.: _____

Lab Sample ID: CCV 580-109208/3 Calibration Date: 04/13/2012 08:15

Instrument ID: TAC045 Calib Start Date: 03/19/2012 16:13

GC Column: ZB-XLB-HT ID: 0.25 (mm) Calib End Date: 03/19/2012 17:21

Lab File ID: BB001370.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1232 Peak 1	Lin2		54526		96.0	100	-4.1	20.0
PCB-1232 Peak 2	Ave	31827	30980		97.4	100	-2.7	20.0
PCB-1232 Peak 3	Lin1		54956		92.0	100	-8.1	20.0
PCB-1232 Peak 4	Lin2		23595		103	100	2.7	20.0
PCB-1232 Peak 5	Lin2		27259		98.6	100	-1.5	20.0
PCB-1262 Peak 1	Lin1		146403		96.4	101	-4.4	20.0
PCB-1262 Peak 2	Lin2		165207		94.3	101	-6.4	20.0
PCB-1262 Peak 3	Lin2		323936		97.2	101	-3.6	20.0
PCB-1262 Peak 4	Lin2		198548		97.9	101	-2.9	20.0
PCB-1262 Peak 5	Lin1		115374		99.7	101	-1.1	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
SDG No.: _____
Lab Sample ID: CCV 580-109208/3 Calibration Date: 04/13/2012 08:15
Instrument ID: TAC045 Calib Start Date: 03/19/2012 16:13
GC Column: ZB-XLB-HT ID: 0.25 (mm) Calib End Date: 03/19/2012 17:21
Lab File ID: BB001370.D

Analyte	RT	RT WINDOW	
		TO	FROM
PCB-1232 Peak 1	3.21	3.18	3.24
PCB-1232 Peak 2	3.54	3.51	3.57
PCB-1232 Peak 3	3.98	3.95	4.01
PCB-1232 Peak 4	4.18	4.15	4.21
PCB-1232 Peak 5	4.32	4.29	4.35
PCB-1262 Peak 1	5.49	5.46	5.52
PCB-1262 Peak 2	5.79	5.76	5.82
PCB-1262 Peak 3	6.22	6.19	6.25
PCB-1262 Peak 4	6.45	6.42	6.48
PCB-1262 Peak 5	6.93	6.90	6.96

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Seattle Job No.: 580-32287-1

SDG No.: _____

Lab Sample ID: CCV 580-109208/3 Calibration Date: 04/13/2012 08:15

Instrument ID: TAC045 Calib Start Date: 03/19/2012 16:13

GC Column: ZB-35-HT ID: 0.25 (mm) Calib End Date: 03/19/2012 17:21

Lab File ID: BB001370.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1232 Peak 1	Ave	69660	60225		86.6	100	-13.5	20.0
PCB-1232 Peak 2	Lin2		54088		86.8	100	-13.3	20.0
PCB-1232 Peak 3	Lin2		97093		85.8	100	-14.3	20.0
PCB-1232 Peak 4	Lin2		40591		82.9	100	-17.2	20.0
PCB-1232 Peak 5	Lin2		21046		82.0	100	-18.1	20.0
PCB-1262 Peak 1	Lin1		106016		81.2	101	-19.4	20.0
PCB-1262 Peak 2	Lin2		162050		79.1	101	-21.5*	20.0
PCB-1262 Peak 3	Lin2		309128		78.6	101	-22.0*	20.0
PCB-1262 Peak 4	Lin2		222350		80.3	101	-20.3*	20.0
PCB-1262 Peak 5	Lin2		110311		82.1	101	-18.6	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
SDG No.: _____
Lab Sample ID: CCV 580-109208/3 Calibration Date: 04/13/2012 08:15
Instrument ID: TAC045 Calib Start Date: 03/19/2012 16:13
GC Column: ZB-35-HT ID: 0.25 (mm) Calib End Date: 03/19/2012 17:21
Lab File ID: BB001370.D

Analyte	RT	RT WINDOW	
		TO	FROM
PCB-1232 Peak 1	3.46	3.43	3.49
PCB-1232 Peak 2	3.79	3.76	3.82
PCB-1232 Peak 3	4.16	4.13	4.19
PCB-1232 Peak 4	4.24	4.21	4.27
PCB-1232 Peak 5	4.40	4.37	4.43
PCB-1262 Peak 1	5.52	5.49	5.55
PCB-1262 Peak 2	6.02	5.99	6.05
PCB-1262 Peak 3	6.47	6.44	6.50
PCB-1262 Peak 4	6.77	6.74	6.80
PCB-1262 Peak 5	7.22	7.19	7.25

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
SDG No.: _____
Lab Sample ID: CCV 580-109208/4 Calibration Date: 04/13/2012 08:29
Instrument ID: TAC045 Calib Start Date: 03/19/2012 17:48
GC Column: ZB-XLB-HT ID: 0.25 (mm) Calib End Date: 03/19/2012 18:56
Lab File ID: BB001371.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1242 Peak 1	Ave	39916	36461		91.5	100	-8.7	20.0
PCB-1242 Peak 2	Lin2		54232		97.4	100	-2.8	20.0
PCB-1242 Peak 3	Ave	106526	98309		92.4	100	-7.7	20.0
PCB-1242 Peak 4	Lin2		42028		98.9	100	-1.3	20.0
PCB-1242 Peak 5	Lin2		55581		92.8	100	-7.3	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
SDG No.: _____
Lab Sample ID: CCV 580-109208/4 Calibration Date: 04/13/2012 08:29
Instrument ID: TAC045 Calib Start Date: 03/19/2012 17:48
GC Column: ZB-XLB-HT ID: 0.25 (mm) Calib End Date: 03/19/2012 18:56
Lab File ID: BB001371.D

Analyte	RT	RT WINDOW	
		TO	FROM
PCB-1242 Peak 1	3.21	3.18	3.24
PCB-1242 Peak 2	3.53	3.50	3.56
PCB-1242 Peak 3	3.98	3.95	4.01
PCB-1242 Peak 4	4.18	4.15	4.21
PCB-1242 Peak 5	4.71	4.68	4.74

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
SDG No.: _____
Lab Sample ID: CCV 580-109208/4 Calibration Date: 04/13/2012 08:29
Instrument ID: TAC045 Calib Start Date: 03/19/2012 17:48
GC Column: ZB-35-HT ID: 0.25 (mm) Calib End Date: 03/19/2012 18:56
Lab File ID: BB001371.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1242 Peak 1	Lin2		45119		95.2	100	-5.0	20.0
PCB-1242 Peak 2	Lin2		93687		91.7	100	-8.4	20.0
PCB-1242 Peak 3	Lin2		165435		81.7	100	-18.4	20.0
PCB-1242 Peak 4	Lin2		52324		83.2	100	-16.9	20.0
PCB-1242 Peak 5	Lin2		56373		79.8	100	-20.3*	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
SDG No.: _____
Lab Sample ID: CCV 580-109208/4 Calibration Date: 04/13/2012 08:29
Instrument ID: TAC045 Calib Start Date: 03/19/2012 17:48
GC Column: ZB-35-HT ID: 0.25 (mm) Calib End Date: 03/19/2012 18:56
Lab File ID: BB001371.D

Analyte	RT	RT WINDOW	
		TO	FROM
PCB-1242 Peak 1	3.46	3.43	3.49
PCB-1242 Peak 2	3.79	3.76	3.82
PCB-1242 Peak 3	4.16	4.13	4.19
PCB-1242 Peak 4	4.34	4.31	4.37
PCB-1242 Peak 5	4.70	4.67	4.73

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
 SDG No.: _____
 Lab Sample ID: CCV 580-109208/5 Calibration Date: 04/13/2012 08:42
 Instrument ID: TAC045 Calib Start Date: 03/20/2012 09:36
 GC Column: ZB-XLB-HT ID: 0.25 (mm) Calib End Date: 03/20/2012 10:44
 Lab File ID: BB001372.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1248 Peak 1	Lin2		72792		94.1	100	-6.0	20.0
PCB-1248 Peak 2	Lin2		73634		82.5	100	-17.6	20.0
PCB-1248 Peak 3	Lin2		82253		95.1	100	-5.0	20.0
PCB-1248 Peak 4	Lin2		83591		81.6	100	-18.5	20.0
PCB-1248 Peak 5	Lin2		59884		91.3	100	-8.8	20.0
PCB-1268 Peak 1	Lin2		323336		80.9	98.9	-18.2	20.0
PCB-1268 Peak 2	Lin2		284332		78.4	98.9	-20.7*	20.0
PCB-1268 Peak 3	Lin2		236835		76.6	98.9	-22.5*	20.0
PCB-1268 Peak 4	Lin2		120259		87.8	98.9	-11.2	20.0
PCB-1268 Peak 5	Ave	999725	838887		83.0	98.9	-16.1	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
SDG No.: _____
Lab Sample ID: CCV 580-109208/5 Calibration Date: 04/13/2012 08:42
Instrument ID: TAC045 Calib Start Date: 03/20/2012 09:36
GC Column: ZB-XLB-HT ID: 0.25 (mm) Calib End Date: 03/20/2012 10:44
Lab File ID: BB001372.D

Analyte	RT	RT WINDOW	
		TO	FROM
PCB-1248 Peak 1	4.18	4.15	4.21
PCB-1248 Peak 2	4.32	4.29	4.35
PCB-1248 Peak 3	4.46	4.43	4.49
PCB-1248 Peak 4	4.68	4.65	4.71
PCB-1248 Peak 5	4.81	4.78	4.84
PCB-1268 Peak 1	6.46	6.43	6.49
PCB-1268 Peak 2	6.52	6.49	6.55
PCB-1268 Peak 3	6.68	6.65	6.71
PCB-1268 Peak 4	6.93	6.90	6.96
PCB-1268 Peak 5	7.17	7.14	7.20

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
 SDG No.: _____
 Lab Sample ID: CCV 580-109208/5 Calibration Date: 04/13/2012 08:42
 Instrument ID: TAC045 Calib Start Date: 03/20/2012 09:36
 GC Column: ZB-35-HT ID: 0.25 (mm) Calib End Date: 03/20/2012 10:44
 Lab File ID: BB001372.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1248 Peak 1	Lin2		102804		77.2	100	-22.9*	20.0
PCB-1248 Peak 2	Lin2		65747		76.0	100	-24.1*	20.0
PCB-1248 Peak 3	Lin2		74670		70.8	100	-29.3*	20.0
PCB-1248 Peak 4	Lin2		65730		72.2	100	-27.9*	20.0
PCB-1248 Peak 5	Lin2		97642		67.1	100	-33.0*	20.0
PCB-1268 Peak 1	Ave	480126	303276		62.5	98.9	-36.8*	20.0
PCB-1268 Peak 2	Ave	442217	275230		61.6	98.9	-37.8*	20.0
PCB-1268 Peak 3	Ave	375518	249503		65.7	98.9	-33.6*	20.0
PCB-1268 Peak 4	Lin2		107305		67.5	98.9	-31.7*	20.0
PCB-1268 Peak 5	Ave	1197470	707491		58.4	98.9	-40.9*	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
SDG No.: _____
Lab Sample ID: CCV 580-109208/5 Calibration Date: 04/13/2012 08:42
Instrument ID: TAC045 Calib Start Date: 03/20/2012 09:36
GC Column: ZB-35-HT ID: 0.25 (mm) Calib End Date: 03/20/2012 10:44
Lab File ID: BB001372.D

Analyte	RT	RT WINDOW	
		TO	FROM
PCB-1248 Peak 1	4.16	4.13	4.19
PCB-1248 Peak 2	4.40	4.37	4.43
PCB-1248 Peak 3	4.59	4.56	4.62
PCB-1248 Peak 4	4.70	4.67	4.73
PCB-1248 Peak 5	4.90	4.87	4.93
PCB-1268 Peak 1	6.71	6.68	6.74
PCB-1268 Peak 2	6.77	6.74	6.80
PCB-1268 Peak 3	6.93	6.90	6.96
PCB-1268 Peak 4	7.22	7.19	7.25
PCB-1268 Peak 5	7.45	7.42	7.48

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
 SDG No.: _____
 Lab Sample ID: CCV 580-109208/12 Calibration Date: 04/13/2012 10:59
 Instrument ID: TAC045 Calib Start Date: 03/19/2012 11:03
 GC Column: ZB-XLB-HT ID: 0.25 (mm) Calib End Date: 03/19/2012 13:08
 Lab File ID: BB001379.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	69919	69001		98.9	100	-1.3	20.0
PCB-1016 Peak 2	Lin2		41583		98.1	100	-2.1	20.0
PCB-1016 Peak 3	Lin2		121277		95.8	100	-4.4	20.0
PCB-1016 Peak 4	Ave	69669	66980		96.3	100	-3.9	20.0
PCB-1016 Peak 5	Ave	59155	58453		99.0	100	-1.2	20.0
PCB-1260 Peak 1	Lin2		124868		99.8	100	-0.3	20.0
PCB-1260 Peak 2	Lin2		192808		101	100	1.0	20.0
PCB-1260 Peak 3	Ave	190266	185184		97.4	100	-2.7	20.0
PCB-1260 Peak 4	Ave	236481	242113		103	100	2.4	20.0
PCB-1260 Peak 5	Ave	152949	152136		99.6	100	-0.5	20.0
Tetrachloro-m-xylene	Lin2		2834074		9.14	10.0	-8.6	20.0
DCB Decachlorobiphenyl	Ave	2144171	2301718		10.7	10.0	7.3	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
 SDG No.: _____
 Lab Sample ID: CCV 580-109208/12 Calibration Date: 04/13/2012 10:59
 Instrument ID: TAC045 Calib Start Date: 03/19/2012 11:03
 GC Column: ZB-XLB-HT ID: 0.25 (mm) Calib End Date: 03/19/2012 13:08
 Lab File ID: BB001379.D

Analyte	RT	RT WINDOW	
		TO	FROM
PCB-1016 Peak 1	3.53	3.50	3.56
PCB-1016 Peak 2	3.68	3.65	3.71
PCB-1016 Peak 3	3.98	3.95	4.01
PCB-1016 Peak 4	4.08	4.05	4.11
PCB-1016 Peak 5	4.32	4.29	4.35
PCB-1260 Peak 1	5.26	5.23	5.29
PCB-1260 Peak 2	5.49	5.46	5.52
PCB-1260 Peak 3	5.71	5.68	5.74
PCB-1260 Peak 4	6.22	6.19	6.25
PCB-1260 Peak 5	6.45	6.42	6.48
Tetrachloro-m-xylene	2.84	2.81	2.87
DCB Decachlorobiphenyl	7.35	7.32	7.38

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Seattle Job No.: 580-32287-1

SDG No.: _____

Lab Sample ID: CCV 580-109208/12 Calibration Date: 04/13/2012 10:59

Instrument ID: TAC045 Calib Start Date: 03/19/2012 11:03

GC Column: ZB-35-HT ID: 0.25 (mm) Calib End Date: 03/19/2012 13:08

Lab File ID: BB001379.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Lin2		48925		86.8	100	-13.4	20.0
PCB-1016 Peak 2	Lin2		110797		89.2	100	-11.0	20.0
PCB-1016 Peak 3	Lin2		210228		83.9	100	-16.3	20.0
PCB-1016 Peak 4	Ave	100827	88590		88.0	100	-12.1	20.0
PCB-1016 Peak 5	Ave	76116	65814		86.6	100	-13.5	20.0
PCB-1260 Peak 1	Ave	149558	121479		81.3	100	-18.8	20.0
PCB-1260 Peak 2	Ave	233717	188795		80.9	100	-19.2	20.0
PCB-1260 Peak 3	Lin2		114603		79.9	100	-20.2*	20.0
PCB-1260 Peak 4	Ave	281717	220088		78.2	100	-21.9*	20.0
PCB-1260 Peak 5	Ave	220021	176390		80.3	100	-19.8	20.0
Tetrachloro-m-xylene	Ave	3407482	2754891		8.08	10.0	-19.2	20.0
DCB Decachlorobiphenyl	Ave	3068650	2254240		7.35	10.0	-26.5*	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
SDG No.: _____
Lab Sample ID: CCV 580-109208/12 Calibration Date: 04/13/2012 10:59
Instrument ID: TAC045 Calib Start Date: 03/19/2012 11:03
GC Column: ZB-35-HT ID: 0.25 (mm) Calib End Date: 03/19/2012 13:08
Lab File ID: BB001379.D

Analyte	RT	RT WINDOW	
		TO	FROM
PCB-1016 Peak 1	3.46	3.43	3.49
PCB-1016 Peak 2	3.79	3.76	3.82
PCB-1016 Peak 3	4.16	4.13	4.19
PCB-1016 Peak 4	4.24	4.21	4.27
PCB-1016 Peak 5	4.34	4.31	4.37
PCB-1260 Peak 1	5.52	5.49	5.55
PCB-1260 Peak 2	5.98	5.95	6.01
PCB-1260 Peak 3	6.24	6.21	6.27
PCB-1260 Peak 4	6.47	6.44	6.50
PCB-1260 Peak 5	6.76	6.73	6.79
Tetrachloro-m-xylene	2.88	2.85	2.91
DCB Decachlorobiphenyl	7.62	7.59	7.65

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
 SDG No.: _____
 Lab Sample ID: CCVRT 580-109551/1 Calibration Date: 04/18/2012 11:55
 Instrument ID: TAC045 Calib Start Date: 03/19/2012 11:03
 GC Column: ZB-XLB-HT ID: 0.25 (mm) Calib End Date: 03/19/2012 13:08
 Lab File ID: BB001555.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	69919	66793		95.7	100	-4.5	20.0
PCB-1016 Peak 2	Lin2		40514		95.5	100	-4.7	20.0
PCB-1016 Peak 3	Lin2		126038		99.7	100	-0.5	20.0
PCB-1016 Peak 4	Ave	69669	69081		99.4	100	-0.8	20.0
PCB-1016 Peak 5	Ave	59155	62806		106	100	6.2	20.0
PCB-1260 Peak 1	Lin2		133841		107	100	7.0	20.0
PCB-1260 Peak 2	Lin2		210330		110	100	10.3	20.0
PCB-1260 Peak 3	Ave	190266	201006		106	100	5.6	20.0
PCB-1260 Peak 4	Ave	236481	267361		113	100	13.1	20.0
PCB-1260 Peak 5	Ave	152949	176973		116	100	15.7	20.0
Tetrachloro-m-xylene	Lin2		2905292		9.36	10.0	-6.4	20.0
DCB Decachlorobiphenyl	Ave	2144171	2690247		12.5	10.0	25.5*	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
SDG No.: _____
Lab Sample ID: CCVRT 580-109551/1 Calibration Date: 04/18/2012 11:55
Instrument ID: TAC045 Calib Start Date: 03/19/2012 11:03
GC Column: ZB-XLB-HT ID: 0.25 (mm) Calib End Date: 03/19/2012 13:08
Lab File ID: BB001555.D

Analyte	RT	RT WINDOW	
		TO	FROM
PCB-1016 Peak 1	3.53	3.50	3.56
PCB-1016 Peak 2	3.68	3.65	3.71
PCB-1016 Peak 3	3.98	3.95	4.01
PCB-1016 Peak 4	4.08	4.05	4.11
PCB-1016 Peak 5	4.32	4.29	4.35
PCB-1260 Peak 1	5.26	5.23	5.29
PCB-1260 Peak 2	5.49	5.46	5.52
PCB-1260 Peak 3	5.71	5.68	5.74
PCB-1260 Peak 4	6.22	6.19	6.25
PCB-1260 Peak 5	6.45	6.42	6.48
Tetrachloro-m-xylene	2.84	2.81	2.87
DCB Decachlorobiphenyl	7.35	7.32	7.38

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
 SDG No.: _____
 Lab Sample ID: CCVRT 580-109551/1 Calibration Date: 04/18/2012 11:55
 Instrument ID: TAC045 Calib Start Date: 03/19/2012 11:03
 GC Column: ZB-35-HT ID: 0.25 (mm) Calib End Date: 03/19/2012 13:08
 Lab File ID: BB001555.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Lin2		50121		89.0	100	-11.2	20.0
PCB-1016 Peak 2	Lin2		112714		90.7	100	-9.5	20.0
PCB-1016 Peak 3	Lin2		228206		91.2	100	-9.0	20.0
PCB-1016 Peak 4	Ave	100827	102100		102	100	1.3	20.0
PCB-1016 Peak 5	Ave	76116	72656		95.7	100	-4.5	20.0
PCB-1260 Peak 1	Ave	149558	132568		88.7	100	-11.4	20.0
PCB-1260 Peak 2	Ave	233717	210886		90.3	100	-9.8	20.0
PCB-1260 Peak 3	Lin2		127110		88.7	100	-11.4	20.0
PCB-1260 Peak 4	Ave	281717	257560		91.5	100	-8.6	20.0
PCB-1260 Peak 5	Ave	220021	208251		94.8	100	-5.3	20.0
Tetrachloro-m-xylene	Ave	3407482	2904381		8.52	10.0	-14.8	20.0
DCB Decachlorobiphenyl	Ave	3068650	2595144		8.46	10.0	-15.4	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
SDG No.: _____
Lab Sample ID: CCVRT 580-109551/1 Calibration Date: 04/18/2012 11:55
Instrument ID: TAC045 Calib Start Date: 03/19/2012 11:03
GC Column: ZB-35-HT ID: 0.25 (mm) Calib End Date: 03/19/2012 13:08
Lab File ID: BB001555.D

Analyte	RT	RT WINDOW	
		TO	FROM
PCB-1016 Peak 1	3.46	3.43	3.49
PCB-1016 Peak 2	3.79	3.76	3.82
PCB-1016 Peak 3	4.16	4.13	4.19
PCB-1016 Peak 4	4.24	4.21	4.27
PCB-1016 Peak 5	4.34	4.31	4.37
PCB-1260 Peak 1	5.52	5.49	5.55
PCB-1260 Peak 2	5.98	5.95	6.01
PCB-1260 Peak 3	6.24	6.21	6.27
PCB-1260 Peak 4	6.47	6.44	6.50
PCB-1260 Peak 5	6.76	6.73	6.79
Tetrachloro-m-xylene	2.88	2.85	2.91
DCB Decachlorobiphenyl	7.62	7.59	7.65

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
 SDG No.: _____
 Lab Sample ID: CCV 580-109551/2 Calibration Date: 04/18/2012 12:09
 Instrument ID: TAC045 Calib Start Date: 03/19/2012 14:38
 GC Column: ZB-XLB-HT ID: 0.25 (mm) Calib End Date: 03/19/2012 15:46
 Lab File ID: BB001556.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1221 Peak 1	Lin2		20251		104	100	4.1	20.0
PCB-1221 Peak 2	Lin2		28668		88.2	100	-11.9	20.0
PCB-1221 Peak 3	Lin2		22801		93.9	100	-6.2	20.0
PCB-1221 Peak 4	Lin2		70467		96.4	100	-3.7	20.0
PCB-1254 Peak 1	Lin2		119132		106	100	6.2	20.0
PCB-1254 Peak 2	Lin2		171739		106	100	5.7	20.0
PCB-1254 Peak 3	Lin2		141617		106	100	6.0	20.0
PCB-1254 Peak 4	Lin1		119439		107	100	7.3	20.0
PCB-1254 Peak 5	Lin2		147181		106	100	6.3	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
SDG No.: _____
Lab Sample ID: CCV 580-109551/2 Calibration Date: 04/18/2012 12:09
Instrument ID: TAC045 Calib Start Date: 03/19/2012 14:38
GC Column: ZB-XLB-HT ID: 0.25 (mm) Calib End Date: 03/19/2012 15:46
Lab File ID: BB001556.D

Analyte	RT	RT WINDOW	
		TO	FROM
PCB-1221 Peak 1	2.01	1.98	2.04
PCB-1221 Peak 2	3.05	3.02	3.08
PCB-1221 Peak 3	3.13	3.10	3.16
PCB-1221 Peak 4	3.21	3.18	3.24
PCB-1254 Peak 1	4.83	4.80	4.86
PCB-1254 Peak 2	5.12	5.09	5.15
PCB-1254 Peak 3	5.37	5.34	5.40
PCB-1254 Peak 4	5.49	5.46	5.52
PCB-1254 Peak 5	5.71	5.68	5.74

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
 SDG No.: _____
 Lab Sample ID: CCV 580-109551/2 Calibration Date: 04/18/2012 12:09
 Instrument ID: TAC045 Calib Start Date: 03/19/2012 14:38
 GC Column: ZB-35-HT ID: 0.25 (mm) Calib End Date: 03/19/2012 15:46
 Lab File ID: BB001556.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1221 Peak 1	Lin2		19132		91.6	100	-8.5	20.0
PCB-1221 Peak 2	Lin2		32102		87.6	100	-12.5	20.0
PCB-1221 Peak 3	Lin2		21185		92.8	100	-7.3	20.0
PCB-1221 Peak 4	Lin2		76929		87.9	100	-12.2	20.0
PCB-1254 Peak 1	Lin2		152724		98.1	100	-2.0	20.0
PCB-1254 Peak 2	Lin2		109266		84.8	100	-15.3	20.0
PCB-1254 Peak 3	Lin2		178483		85.1	100	-15.0	20.0
PCB-1254 Peak 4	Lin2		121931		83.9	100	-16.2	20.0
PCB-1254 Peak 5	Lin2		170682		86.5	100	-13.6	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
SDG No.: _____
Lab Sample ID: CCV 580-109551/2 Calibration Date: 04/18/2012 12:09
Instrument ID: TAC045 Calib Start Date: 03/19/2012 14:38
GC Column: ZB-35-HT ID: 0.25 (mm) Calib End Date: 03/19/2012 15:46
Lab File ID: BB001556.D

Analyte	RT	RT WINDOW	
		TO	FROM
PCB-1221 Peak 1	2.39	2.36	2.42
PCB-1221 Peak 2	3.28	3.25	3.31
PCB-1221 Peak 3	3.39	3.36	3.42
PCB-1221 Peak 4	3.46	3.43	3.49
PCB-1254 Peak 1	4.90	4.87	4.93
PCB-1254 Peak 2	5.05	5.02	5.08
PCB-1254 Peak 3	5.40	5.37	5.43
PCB-1254 Peak 4	5.60	5.57	5.63
PCB-1254 Peak 5	5.97	5.94	6.00

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
 SDG No.: _____
 Lab Sample ID: CCV 580-109551/3 Calibration Date: 04/18/2012 12:22
 Instrument ID: TAC045 Calib Start Date: 03/19/2012 16:13
 GC Column: ZB-XLB-HT ID: 0.25 (mm) Calib End Date: 03/19/2012 17:21
 Lab File ID: BB001557.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1232 Peak 1	Lin2		53458		94.2	100	-5.9	20.0
PCB-1232 Peak 2	Ave	31827	31119		97.9	100	-2.2	20.0
PCB-1232 Peak 3	Lin1		53855		90.2	100	-9.9	20.0
PCB-1232 Peak 4	Lin2		22340		97.2	100	-2.9	20.0
PCB-1232 Peak 5	Lin2		26917		97.3	100	-2.8	20.0
PCB-1262 Peak 1	Lin1		149439		98.4	101	-2.4	20.0
PCB-1262 Peak 2	Lin2		175180		100	101	-0.6	20.0
PCB-1262 Peak 3	Lin2		355875		107	101	6.1	20.0
PCB-1262 Peak 4	Lin2		211102		104	101	3.4	20.0
PCB-1262 Peak 5	Lin1		122417		106	101	5.1	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
SDG No.: _____
Lab Sample ID: CCV 580-109551/3 Calibration Date: 04/18/2012 12:22
Instrument ID: TAC045 Calib Start Date: 03/19/2012 16:13
GC Column: ZB-XLB-HT ID: 0.25 (mm) Calib End Date: 03/19/2012 17:21
Lab File ID: BB001557.D

Analyte	RT	RT WINDOW	
		TO	FROM
PCB-1232 Peak 1	3.21	3.18	3.24
PCB-1232 Peak 2	3.53	3.50	3.56
PCB-1232 Peak 3	3.98	3.95	4.01
PCB-1232 Peak 4	4.18	4.15	4.21
PCB-1232 Peak 5	4.32	4.29	4.35
PCB-1262 Peak 1	5.49	5.46	5.52
PCB-1262 Peak 2	5.79	5.76	5.82
PCB-1262 Peak 3	6.22	6.19	6.25
PCB-1262 Peak 4	6.45	6.42	6.48
PCB-1262 Peak 5	6.93	6.90	6.96

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
 SDG No.: _____
 Lab Sample ID: CCV 580-109551/3 Calibration Date: 04/18/2012 12:22
 Instrument ID: TAC045 Calib Start Date: 03/19/2012 16:13
 GC Column: ZB-35-HT ID: 0.25 (mm) Calib End Date: 03/19/2012 17:21
 Lab File ID: BB001557.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1232 Peak 1	Ave	69660	62307		89.5	100	-10.6	20.0
PCB-1232 Peak 2	Lin2		53254		85.4	100	-14.7	20.0
PCB-1232 Peak 3	Lin2		97273		86.0	100	-14.1	20.0
PCB-1232 Peak 4	Lin2		42962		87.8	100	-12.3	20.0
PCB-1232 Peak 5	Lin2		21431		83.6	100	-16.5	20.0
PCB-1262 Peak 1	Lin1		107051		82.1	101	-18.6	20.0
PCB-1262 Peak 2	Lin2		170809		83.4	101	-17.3	20.0
PCB-1262 Peak 3	Lin2		330848		84.1	101	-16.6	20.0
PCB-1262 Peak 4	Lin2		234463		84.8	101	-15.9	20.0
PCB-1262 Peak 5	Lin2		113479		84.5	101	-16.2	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
SDG No.: _____
Lab Sample ID: CCV 580-109551/3 Calibration Date: 04/18/2012 12:22
Instrument ID: TAC045 Calib Start Date: 03/19/2012 16:13
GC Column: ZB-35-HT ID: 0.25 (mm) Calib End Date: 03/19/2012 17:21
Lab File ID: BB001557.D

Analyte	RT	RT WINDOW	
		TO	FROM
PCB-1232 Peak 1	3.46	3.43	3.49
PCB-1232 Peak 2	3.79	3.76	3.82
PCB-1232 Peak 3	4.16	4.13	4.19
PCB-1232 Peak 4	4.24	4.21	4.27
PCB-1232 Peak 5	4.40	4.37	4.43
PCB-1262 Peak 1	5.52	5.49	5.55
PCB-1262 Peak 2	6.02	5.99	6.05
PCB-1262 Peak 3	6.47	6.44	6.50
PCB-1262 Peak 4	6.77	6.74	6.80
PCB-1262 Peak 5	7.22	7.19	7.25

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
 SDG No.: _____
 Lab Sample ID: CCV 580-109551/4 Calibration Date: 04/18/2012 12:36
 Instrument ID: TAC045 Calib Start Date: 03/19/2012 17:48
 GC Column: ZB-XLB-HT ID: 0.25 (mm) Calib End Date: 03/19/2012 18:56
 Lab File ID: BB001558.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1242 Peak 1	Ave	39916	32168		80.7	100	-19.4	20.0
PCB-1242 Peak 2	Lin2		47326		84.8	100	-15.3	20.0
PCB-1242 Peak 3	Ave	106526	104522		98.3	100	-1.9	20.0
PCB-1242 Peak 4	Lin2		49912		118	100	18.1	20.0
PCB-1242 Peak 5	Lin2		49920		83.1	100	-17.0	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
SDG No.: _____
Lab Sample ID: CCV 580-109551/4 Calibration Date: 04/18/2012 12:36
Instrument ID: TAC045 Calib Start Date: 03/19/2012 17:48
GC Column: ZB-XLB-HT ID: 0.25 (mm) Calib End Date: 03/19/2012 18:56
Lab File ID: BB001558.D

Analyte	RT	RT WINDOW	
		TO	FROM
PCB-1242 Peak 1	3.21	3.18	3.24
PCB-1242 Peak 2	3.53	3.50	3.56
PCB-1242 Peak 3	3.98	3.95	4.01
PCB-1242 Peak 4	4.18	4.15	4.21
PCB-1242 Peak 5	4.71	4.68	4.74

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
SDG No.: _____
Lab Sample ID: CCV 580-109551/4 Calibration Date: 04/18/2012 12:36
Instrument ID: TAC045 Calib Start Date: 03/19/2012 17:48
GC Column: ZB-35-HT ID: 0.25 (mm) Calib End Date: 03/19/2012 18:56
Lab File ID: BB001558.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1242 Peak 1	Lin2		39949		84.1	100	-16.0	20.0
PCB-1242 Peak 2	Lin2		79515		77.3	100	-22.8*	20.0
PCB-1242 Peak 3	Lin2		158703		78.3	100	-21.8*	20.0
PCB-1242 Peak 4	Lin2		47141		74.7	100	-25.4*	20.0
PCB-1242 Peak 5	Lin2		49637		70.0	100	-30.1*	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
SDG No.: _____
Lab Sample ID: CCV 580-109551/4 Calibration Date: 04/18/2012 12:36
Instrument ID: TAC045 Calib Start Date: 03/19/2012 17:48
GC Column: ZB-35-HT ID: 0.25 (mm) Calib End Date: 03/19/2012 18:56
Lab File ID: BB001558.D

Analyte	RT	RT WINDOW	
		TO	FROM
PCB-1242 Peak 1	3.46	3.43	3.49
PCB-1242 Peak 2	3.79	3.76	3.82
PCB-1242 Peak 3	4.16	4.13	4.19
PCB-1242 Peak 4	4.33	4.30	4.36
PCB-1242 Peak 5	4.70	4.67	4.73

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
 SDG No.: _____
 Lab Sample ID: CCV 580-109551/5 Calibration Date: 04/18/2012 12:50
 Instrument ID: TAC045 Calib Start Date: 03/20/2012 09:36
 GC Column: ZB-XLB-HT ID: 0.25 (mm) Calib End Date: 03/20/2012 10:44
 Lab File ID: BB001559.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1248 Peak 1	Lin2		76501		99.1	100	-1.0	20.0
PCB-1248 Peak 2	Lin2		88182		99.3	100	-0.8	20.0
PCB-1248 Peak 3	Lin2		83871		97.0	100	-3.1	20.0
PCB-1248 Peak 4	Lin2		99055		97.1	100	-3.0	20.0
PCB-1248 Peak 5	Lin2		64278		98.1	100	-2.0	20.0
PCB-1268 Peak 1	Lin2		390748		98.3	98.9	-0.6	20.0
PCB-1268 Peak 2	Lin2		356414		98.8	98.9	-0.1	20.0
PCB-1268 Peak 3	Lin2		306585		99.7	98.9	0.8	20.0
PCB-1268 Peak 4	Lin2		137880		101	98.9	2.1	20.0
PCB-1268 Peak 5	Ave	999725	1002009		99.1	98.9	0.2	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
SDG No.: _____
Lab Sample ID: CCV 580-109551/5 Calibration Date: 04/18/2012 12:50
Instrument ID: TAC045 Calib Start Date: 03/20/2012 09:36
GC Column: ZB-XLB-HT ID: 0.25 (mm) Calib End Date: 03/20/2012 10:44
Lab File ID: BB001559.D

Analyte	RT	RT WINDOW	
		TO	FROM
PCB-1248 Peak 1	4.18	4.15	4.21
PCB-1248 Peak 2	4.32	4.29	4.35
PCB-1248 Peak 3	4.46	4.43	4.49
PCB-1248 Peak 4	4.68	4.65	4.71
PCB-1248 Peak 5	4.81	4.78	4.84
PCB-1268 Peak 1	6.46	6.43	6.49
PCB-1268 Peak 2	6.51	6.48	6.54
PCB-1268 Peak 3	6.68	6.65	6.71
PCB-1268 Peak 4	6.93	6.90	6.96
PCB-1268 Peak 5	7.17	7.14	7.20

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Seattle Job No.: 580-32287-1

SDG No.: _____

Lab Sample ID: CCV 580-109551/5 Calibration Date: 04/18/2012 12:50

Instrument ID: TAC045 Calib Start Date: 03/20/2012 09:36

GC Column: ZB-35-HT ID: 0.25 (mm) Calib End Date: 03/20/2012 10:44

Lab File ID: BB001559.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1248 Peak 1	Lin2		119130		89.8	100	-10.3	20.0
PCB-1248 Peak 2	Lin2		73477		85.4	100	-14.7	20.0
PCB-1248 Peak 3	Lin2		91760		87.5	100	-12.6	20.0
PCB-1248 Peak 4	Lin2		78376		86.6	100	-13.5	20.0
PCB-1248 Peak 5	Lin2		117838		81.3	100	-18.8	20.0
PCB-1268 Peak 1	Ave	480126	385941		79.5	98.9	-19.6	20.0
PCB-1268 Peak 2	Ave	442217	354510		79.3	98.9	-19.8	20.0
PCB-1268 Peak 3	Ave	375518	298169		78.5	98.9	-20.6*	20.0
PCB-1268 Peak 4	Lin2		131279		83.0	98.9	-16.1	20.0
PCB-1268 Peak 5	Ave	1197470	969440		80.1	98.9	-19.0	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
SDG No.: _____
Lab Sample ID: CCV 580-109551/5 Calibration Date: 04/18/2012 12:50
Instrument ID: TAC045 Calib Start Date: 03/20/2012 09:36
GC Column: ZB-35-HT ID: 0.25 (mm) Calib End Date: 03/20/2012 10:44
Lab File ID: BB001559.D

Analyte	RT	RT WINDOW	
		TO	FROM
PCB-1248 Peak 1	4.16	4.13	4.19
PCB-1248 Peak 2	4.40	4.37	4.43
PCB-1248 Peak 3	4.59	4.56	4.62
PCB-1248 Peak 4	4.70	4.67	4.73
PCB-1248 Peak 5	4.90	4.87	4.93
PCB-1268 Peak 1	6.71	6.68	6.74
PCB-1268 Peak 2	6.77	6.74	6.80
PCB-1268 Peak 3	6.93	6.90	6.96
PCB-1268 Peak 4	7.22	7.19	7.25
PCB-1268 Peak 5	7.45	7.42	7.48

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Seattle Job No.: 580-32287-1

SDG No.: _____

Lab Sample ID: CCV 580-109551/16 Calibration Date: 04/18/2012 15:19

Instrument ID: TAC045 Calib Start Date: 03/19/2012 11:03

GC Column: ZB-XLB-HT ID: 0.25 (mm) Calib End Date: 03/19/2012 13:08

Lab File ID: BB001570.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	69919	68604		98.3	100	-1.9	20.0
PCB-1016 Peak 2	Lin2		45127		107	100	6.8	20.0
PCB-1016 Peak 3	Lin2		133277		106	100	5.3	20.0
PCB-1016 Peak 4	Ave	69669	72504		104	100	4.1	20.0
PCB-1016 Peak 5	Ave	59155	58642		99.3	100	-0.9	20.0
PCB-1260 Peak 1	Lin2		138567		111	100	10.9	20.0
PCB-1260 Peak 2	Lin2		226701		119	100	18.9	20.0
PCB-1260 Peak 3	Ave	190266	204023		107	100	7.2	20.0
PCB-1260 Peak 4	Ave	236481	272740		116	100	15.3	20.0
PCB-1260 Peak 5	Ave	152949	179701		118	100	17.5	20.0
Tetrachloro-m-xylene	Lin2		2973303		9.57	10.0	-4.3	20.0
DCB Decachlorobiphenyl	Ave	2144171	2689397		12.5	10.0	25.4*	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
SDG No.: _____
Lab Sample ID: CCV 580-109551/16 Calibration Date: 04/18/2012 15:19
Instrument ID: TAC045 Calib Start Date: 03/19/2012 11:03
GC Column: ZB-XLB-HT ID: 0.25 (mm) Calib End Date: 03/19/2012 13:08
Lab File ID: BB001570.D

Analyte	RT	RT WINDOW	
		TO	FROM
PCB-1016 Peak 1	3.53	3.50	3.56
PCB-1016 Peak 2	3.68	3.65	3.71
PCB-1016 Peak 3	3.98	3.95	4.01
PCB-1016 Peak 4	4.08	4.05	4.11
PCB-1016 Peak 5	4.32	4.29	4.35
PCB-1260 Peak 1	5.26	5.23	5.29
PCB-1260 Peak 2	5.49	5.46	5.52
PCB-1260 Peak 3	5.71	5.68	5.74
PCB-1260 Peak 4	6.22	6.19	6.25
PCB-1260 Peak 5	6.45	6.42	6.48
Tetrachloro-m-xylene	2.84	2.81	2.87
DCB Decachlorobiphenyl	7.35	7.32	7.38

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Seattle Job No.: 580-32287-1

SDG No.: _____

Lab Sample ID: CCV 580-109551/16 Calibration Date: 04/18/2012 15:19

Instrument ID: TAC045 Calib Start Date: 03/19/2012 11:03

GC Column: ZB-35-HT ID: 0.25 (mm) Calib End Date: 03/19/2012 13:08

Lab File ID: BB001570.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Lin2		51835		92.1	100	-8.1	20.0
PCB-1016 Peak 2	Lin2		114518		92.2	100	-8.0	20.0
PCB-1016 Peak 3	Lin2		226943		90.7	100	-9.5	20.0
PCB-1016 Peak 4	Ave	100827	94813		94.2	100	-6.0	20.0
PCB-1016 Peak 5	Ave	76116	71231		93.8	100	-6.4	20.0
PCB-1260 Peak 1	Ave	149558	135722		90.8	100	-9.3	20.0
PCB-1260 Peak 2	Ave	233717	218755		93.7	100	-6.4	20.0
PCB-1260 Peak 3	Lin2		131771		92.0	100	-8.1	20.0
PCB-1260 Peak 4	Ave	281717	263675		93.7	100	-6.4	20.0
PCB-1260 Peak 5	Ave	220021	200183		91.1	100	-9.0	20.0
Tetrachloro-m-xylene	Ave	3407482	2975112		8.73	10.0	-12.7	20.0
DCB Decachlorobiphenyl	Ave	3068650	2621218		8.54	10.0	-14.6	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
 SDG No.: _____
 Lab Sample ID: CCV 580-109551/16 Calibration Date: 04/18/2012 15:19
 Instrument ID: TAC045 Calib Start Date: 03/19/2012 11:03
 GC Column: ZB-35-HT ID: 0.25 (mm) Calib End Date: 03/19/2012 13:08
 Lab File ID: BB001570.D

Analyte	RT	RT WINDOW	
		TO	FROM
PCB-1016 Peak 1	3.46	3.43	3.49
PCB-1016 Peak 2	3.79	3.76	3.82
PCB-1016 Peak 3	4.16	4.13	4.19
PCB-1016 Peak 4	4.24	4.21	4.27
PCB-1016 Peak 5	4.34	4.31	4.37
PCB-1260 Peak 1	5.52	5.49	5.55
PCB-1260 Peak 2	5.97	5.94	6.00
PCB-1260 Peak 3	6.24	6.21	6.27
PCB-1260 Peak 4	6.47	6.44	6.50
PCB-1260 Peak 5	6.76	6.73	6.79
Tetrachloro-m-xylene	2.88	2.85	2.91
DCB Decachlorobiphenyl	7.62	7.59	7.65

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
 SDG No.: _____
 Lab Sample ID: CCV 580-109551/28 Calibration Date: 04/18/2012 18:04
 Instrument ID: TAC045 Calib Start Date: 03/19/2012 11:03
 GC Column: ZB-XLB-HT ID: 0.25 (mm) Calib End Date: 03/19/2012 13:08
 Lab File ID: BB001582.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	69919	66922		95.7	100	-4.3	20.0
PCB-1016 Peak 2	Lin2		42071		99.1	100	-0.9	20.0
PCB-1016 Peak 3	Lin2		121818		96.0	100	-4.0	20.0
PCB-1016 Peak 4	Ave	69669	69003		99.0	100	-1.0	20.0
PCB-1016 Peak 5	Ave	59155	59065		99.8	100	-0.2	20.0
PCB-1260 Peak 1	Lin2		137353		110	100	9.9	20.0
PCB-1260 Peak 2	Lin2		209216		110	100	9.7	20.0
PCB-1260 Peak 3	Ave	190266	197617		104	100	3.9	20.0
PCB-1260 Peak 4	Ave	236481	297362		126	100	25.7*	20.0
PCB-1260 Peak 5	Ave	152949	192936		126	100	26.1*	20.0
Tetrachloro-m-xylene	Lin2		2936286		9.46	10.0	-5.4	20.0
DCB Decachlorobiphenyl	Ave	2144171	2633325		12.3	10.0	22.8*	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
SDG No.: _____
Lab Sample ID: CCV 580-109551/28 Calibration Date: 04/18/2012 18:04
Instrument ID: TAC045 Calib Start Date: 03/19/2012 11:03
GC Column: ZB-XLB-HT ID: 0.25 (mm) Calib End Date: 03/19/2012 13:08
Lab File ID: BB001582.D

Analyte	RT	RT WINDOW	
		TO	FROM
PCB-1016 Peak 1	3.53	3.50	3.56
PCB-1016 Peak 2	3.68	3.65	3.71
PCB-1016 Peak 3	3.98	3.95	4.01
PCB-1016 Peak 4	4.08	4.05	4.11
PCB-1016 Peak 5	4.32	4.29	4.35
PCB-1260 Peak 1	5.26	5.23	5.29
PCB-1260 Peak 2	5.49	5.46	5.52
PCB-1260 Peak 3	5.71	5.68	5.74
PCB-1260 Peak 4	6.22	6.19	6.25
PCB-1260 Peak 5	6.45	6.42	6.48
Tetrachloro-m-xylene	2.84	2.81	2.87
DCB Decachlorobiphenyl	7.35	7.32	7.38

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
 SDG No.: _____
 Lab Sample ID: CCV 580-109551/28 Calibration Date: 04/18/2012 18:04
 Instrument ID: TAC045 Calib Start Date: 03/19/2012 11:03
 GC Column: ZB-35-HT ID: 0.25 (mm) Calib End Date: 03/19/2012 13:08
 Lab File ID: BB001582.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Lin2		52902		93.9	100	-6.1	20.0
PCB-1016 Peak 2	Lin2		108333		86.9	100	-13.1	20.0
PCB-1016 Peak 3	Lin2		214477		85.5	100	-14.5	20.0
PCB-1016 Peak 4	Ave	100827	91801		91.0	100	-9.0	20.0
PCB-1016 Peak 5	Ave	76116	67656		88.9	100	-11.1	20.0
PCB-1260 Peak 1	Ave	149558	134157		89.7	100	-10.3	20.0
PCB-1260 Peak 2	Ave	233717	190522		81.5	100	-18.5	20.0
PCB-1260 Peak 3	Lin2		139861		97.6	100	-2.4	20.0
PCB-1260 Peak 4	Ave	281717	290535		103	100	3.1	20.0
PCB-1260 Peak 5	Ave	220021	224640		102	100	2.1	20.0
Tetrachloro-m-xylene	Ave	3407482	2791266		8.19	10.0	-18.1	20.0
DCB Decachlorobiphenyl	Ave	3068650	2538228		8.27	10.0	-17.3	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
 SDG No.: _____
 Lab Sample ID: CCV 580-109551/28 Calibration Date: 04/18/2012 18:04
 Instrument ID: TAC045 Calib Start Date: 03/19/2012 11:03
 GC Column: ZB-35-HT ID: 0.25 (mm) Calib End Date: 03/19/2012 13:08
 Lab File ID: BB001582.D

Analyte	RT	RT WINDOW	
		TO	FROM
PCB-1016 Peak 1	3.46	3.43	3.49
PCB-1016 Peak 2	3.79	3.76	3.82
PCB-1016 Peak 3	4.16	4.13	4.19
PCB-1016 Peak 4	4.24	4.21	4.27
PCB-1016 Peak 5	4.33	4.30	4.36
PCB-1260 Peak 1	5.52	5.49	5.55
PCB-1260 Peak 2	5.97	5.94	6.00
PCB-1260 Peak 3	6.24	6.21	6.27
PCB-1260 Peak 4	6.47	6.44	6.50
PCB-1260 Peak 5	6.76	6.73	6.79
Tetrachloro-m-xylene	2.88	2.85	2.91
DCB Decachlorobiphenyl	7.62	7.59	7.65

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Seattle Job No.: 580-32287-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MB 580-109093/1-A

Matrix: Water Lab File ID: BB001373.D

Analysis Method: 8082 Date Collected: _____

Extraction Method: 3510C Date Extracted: 04/11/2012 17:32

Sample wt/vol: 1000 (mL) Date Analyzed: 04/13/2012 09:37

Con. Extract Vol.: 10 (mL) Dilution Factor: 1

Injection Volume: 1 (uL) GC Column: ZB-XLB-HT ID: 0.25 (mm)

% Moisture: _____ GPC Cleanup: (Y/N) N

Analysis Batch No.: 109208 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.50	0.045
11104-28-2	PCB-1221	ND		0.50	0.062
11141-16-5	PCB-1232	ND		0.50	0.041
53469-21-9	PCB-1242	ND		0.50	0.041
12672-29-6	PCB-1248	ND		0.50	0.071
11097-69-1	PCB-1254	ND		0.50	0.044
11096-82-5	PCB-1260	ND		0.50	0.039

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	52	X	60-150
2051-24-3	DCB Decachlorobiphenyl	43		40-135

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 580-109461/1-A
 Matrix: Solid Lab File ID: BB001560.D
 Analysis Method: 8082 Date Collected: _____
 Extraction Method: 3550B Date Extracted: 04/17/2012 12:25
 Sample wt/vol: 10(g) Date Analyzed: 04/18/2012 13:03
 Con. Extract Vol.: 10(mL) Dilution Factor: 1
 Injection Volume: 1(uL) GC Column: ZB-XLB-HT ID: 0.25(mm)
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 109551 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.010	0.0032
11104-28-2	PCB-1221	ND		0.011	0.0080
11141-16-5	PCB-1232	ND		0.011	0.0070
53469-21-9	PCB-1242	ND		0.010	0.0021
12672-29-6	PCB-1248	ND		0.010	0.0030
11097-69-1	PCB-1254	ND		0.010	0.0021
11096-82-5	PCB-1260	ND		0.010	0.0030

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	92		45-135

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: MB 580-109461/1-A
Matrix: Solid Lab File ID: BB001560.D
Analysis Method: 8082 Date Collected: _____
Extraction Method: 3550B Date Extracted: 04/17/2012 12:25
Sample wt/vol: 10(g) Date Analyzed: 04/18/2012 13:03
Con. Extract Vol.: 10(mL) Dilution Factor: 1
Injection Volume: 1(uL) GC Column: ZB-35-HT ID: 0.25(mm)
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 109551 Units: mg/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	71		50-140

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: CCB 580-109551/17
 Matrix: Solid Lab File ID: BB001571.D
 Analysis Method: 8082 Date Collected: _____
 Extraction Method: _____ Date Extracted: _____
 Sample wt/vol: 1(mL) Date Analyzed: 04/18/2012 15:33
 Con. Extract Vol.: _____ Dilution Factor: 1
 Injection Volume: 1(uL) GC Column: ZB-XLB-HT ID: 0.25(mm)
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 109551 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.10	0.045
11104-28-2	PCB-1221	ND		0.10	0.062
11141-16-5	PCB-1232	ND		0.10	0.041
53469-21-9	PCB-1242	ND		0.10	0.041
12672-29-6	PCB-1248	ND		0.10	0.023
11097-69-1	PCB-1254	ND		0.10	0.020
11096-82-5	PCB-1260	ND		0.10	0.039

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	89		45-135

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: CCB 580-109551/17
Matrix: Solid Lab File ID: BB001571.D
Analysis Method: 8082 Date Collected: _____
Extraction Method: _____ Date Extracted: _____
Sample wt/vol: 1(mL) Date Analyzed: 04/18/2012 15:33
Con. Extract Vol.: _____ Dilution Factor: 1
Injection Volume: 1(uL) GC Column: ZB-35-HT ID: 0.25(mm)
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 109551 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	70		50-140

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 580-109093/2-A
 Matrix: Water Lab File ID: BB001374.D
 Analysis Method: 8082 Date Collected: _____
 Extraction Method: 3510C Date Extracted: 04/11/2012 17:32
 Sample wt/vol: 1000 (mL) Date Analyzed: 04/13/2012 09:51
 Con. Extract Vol.: 10 (mL) Dilution Factor: 1
 Injection Volume: 1 (uL) GC Column: ZB-XLB-HT ID: 0.25 (mm)
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 109208 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	0.666		0.50	0.045
11096-82-5	PCB-1260	0.642		0.50	0.039

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	49	X	60-150
2051-24-3	DCB Decachlorobiphenyl	41		40-135

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: LCS 580-109461/3-A
Matrix: Solid Lab File ID: BB001561.D
Analysis Method: 8082 Date Collected: _____
Extraction Method: 3550B Date Extracted: 04/17/2012 12:27
Sample wt/vol: 10(g) Date Analyzed: 04/18/2012 13:17
Con. Extract Vol.: 10(mL) Dilution Factor: 1
Injection Volume: 1(uL) GC Column: ZB-XLB-HT ID: 0.25(mm)
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 109551 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	0.0893		0.010	0.0032
11096-82-5	PCB-1260	0.106		0.010	0.0030

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	85		45-135

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: LCS 580-109461/3-A
Matrix: Solid Lab File ID: BB001561.D
Analysis Method: 8082 Date Collected: _____
Extraction Method: 3550B Date Extracted: 04/17/2012 12:27
Sample wt/vol: 10(g) Date Analyzed: 04/18/2012 13:17
Con. Extract Vol.: 10(mL) Dilution Factor: 1
Injection Volume: 1(uL) GC Column: ZB-35-HT ID: 0.25(mm)
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 109551 Units: mg/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	68		50-140

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCSD 580-109093/3-A
 Matrix: Water Lab File ID: BB001375.D
 Analysis Method: 8082 Date Collected: _____
 Extraction Method: 3510C Date Extracted: 04/11/2012 17:32
 Sample wt/vol: 1000 (mL) Date Analyzed: 04/13/2012 10:04
 Con. Extract Vol.: 10 (mL) Dilution Factor: 1
 Injection Volume: 1 (uL) GC Column: ZB-XLB-HT ID: 0.25 (mm)
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 109208 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	0.440	J	0.50	0.045
11096-82-5	PCB-1260	0.484	J	0.50	0.039

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	35	X	60-150
2051-24-3	DCB Decachlorobiphenyl	28	X	40-135

PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica SeattleJob No.: 580-32287-1

SDG No.: _____

Instrument ID: TAC045Start Date: 03/19/2012 11:03Analysis Batch Number: 107496End Date: 03/20/2012 10:58

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
IC 580-107496/1		03/19/2012 11:03	1	BB000764.D	ZB-XLB-HT 0.25 (mm)
IC 580-107496/1		03/19/2012 11:03	1	BB000764.D	ZB-35-HT 0.25 (mm)
IC 580-107496/2		03/19/2012 11:16	1	BB000765.D	ZB-XLB-HT 0.25 (mm)
IC 580-107496/2		03/19/2012 11:16	1	BB000765.D	ZB-35-HT 0.25 (mm)
IC 580-107496/3		03/19/2012 11:30	1	BB000766.D	ZB-XLB-HT 0.25 (mm)
IC 580-107496/3		03/19/2012 11:30	1	BB000766.D	ZB-35-HT 0.25 (mm)
ICRT 580-107496/4		03/19/2012 11:43	1	BB000767.D	ZB-XLB-HT 0.25 (mm)
ICRT 580-107496/4		03/19/2012 11:43	1	BB000767.D	ZB-35-HT 0.25 (mm)
IC 580-107496/5		03/19/2012 11:57	1	BB000768.D	ZB-XLB-HT 0.25 (mm)
IC 580-107496/5		03/19/2012 11:57	1	BB000768.D	ZB-35-HT 0.25 (mm)
IC 580-107496/6		03/19/2012 12:55	1	BB000772.D	ZB-XLB-HT 0.25 (mm)
IC 580-107496/6		03/19/2012 12:55	1	BB000772.D	ZB-35-HT 0.25 (mm)
IC 580-107496/7		03/19/2012 13:08	1	BB000773.D	ZB-XLB-HT 0.25 (mm)
IC 580-107496/7		03/19/2012 13:08	1	BB000773.D	ZB-35-HT 0.25 (mm)
ICV 580-107496/8		03/19/2012 13:22	1	BB000774.D	ZB-XLB-HT 0.25 (mm)
ICV 580-107496/8		03/19/2012 13:22	1	BB000774.D	ZB-35-HT 0.25 (mm)
IC 580-107496/9		03/19/2012 14:24	1	BB000775.D	ZB-XLB-HT 0.25 (mm)
IC 580-107496/9		03/19/2012 14:24	1	BB000775.D	ZB-35-HT 0.25 (mm)
IC 580-107496/10		03/19/2012 14:38	1	BB000776.D	ZB-XLB-HT 0.25 (mm)
IC 580-107496/10		03/19/2012 14:38	1	BB000776.D	ZB-35-HT 0.25 (mm)
IC 580-107496/11		03/19/2012 14:52	1	BB000777.D	ZB-XLB-HT 0.25 (mm)
IC 580-107496/11		03/19/2012 14:52	1	BB000777.D	ZB-35-HT 0.25 (mm)
ICRT 580-107496/12		03/19/2012 15:05	1	BB000778.D	ZB-XLB-HT 0.25 (mm)
ICRT 580-107496/12		03/19/2012 15:05	1	BB000778.D	ZB-35-HT 0.25 (mm)
IC 580-107496/13		03/19/2012 15:19	1	BB000779.D	ZB-XLB-HT 0.25 (mm)
IC 580-107496/13		03/19/2012 15:19	1	BB000779.D	ZB-35-HT 0.25 (mm)
IC 580-107496/14		03/19/2012 15:32	1	BB000780.D	ZB-XLB-HT 0.25 (mm)
IC 580-107496/14		03/19/2012 15:32	1	BB000780.D	ZB-35-HT 0.25 (mm)
IC 580-107496/15		03/19/2012 15:46	1	BB000781.D	ZB-XLB-HT 0.25 (mm)
IC 580-107496/15		03/19/2012 15:46	1	BB000781.D	ZB-35-HT 0.25 (mm)
ICV 580-107496/16		03/19/2012 16:00	1	BB000782.D	ZB-XLB-HT 0.25 (mm)
ICV 580-107496/16		03/19/2012 16:00	1	BB000782.D	ZB-35-HT 0.25 (mm)
IC 580-107496/17		03/19/2012 16:13	1	BB000783.D	ZB-XLB-HT 0.25 (mm)
IC 580-107496/17		03/19/2012 16:13	1	BB000783.D	ZB-35-HT 0.25 (mm)
IC 580-107496/18		03/19/2012 16:27	1	BB000784.D	ZB-XLB-HT 0.25 (mm)
IC 580-107496/18		03/19/2012 16:27	1	BB000784.D	ZB-35-HT 0.25 (mm)
IC 580-107496/19		03/19/2012 16:40	1	BB000785.D	ZB-XLB-HT 0.25 (mm)
IC 580-107496/19		03/19/2012 16:40	1	BB000785.D	ZB-35-HT 0.25 (mm)
ICRT 580-107496/20		03/19/2012 16:54	1	BB000786.D	ZB-XLB-HT 0.25 (mm)
ICRT 580-107496/20		03/19/2012 16:54	1	BB000786.D	ZB-35-HT 0.25 (mm)
IC 580-107496/21		03/19/2012 17:07	1	BB000787.D	ZB-XLB-HT 0.25 (mm)
IC 580-107496/21		03/19/2012 17:07	1	BB000787.D	ZB-35-HT 0.25 (mm)
IC 580-107496/22		03/19/2012 17:21	1	BB000788.D	ZB-XLB-HT 0.25 (mm)
IC 580-107496/22		03/19/2012 17:21	1	BB000788.D	ZB-35-HT 0.25 (mm)
ICV 580-107496/23		03/19/2012 17:35	1	BB000789.D	ZB-XLB-HT 0.25 (mm)

PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica Seattle Job No.: 580-32287-1

SDG No.: _____

Instrument ID: TAC045 Start Date: 03/19/2012 11:03

Analysis Batch Number: 107496 End Date: 03/20/2012 10:58

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ICV 580-107496/23		03/19/2012 17:35	1	BB000789.D	ZB-35-HT 0.25 (mm)
IC 580-107496/24		03/19/2012 17:48	1	BB000790.D	ZB-XLB-HT 0.25 (mm)
IC 580-107496/24		03/19/2012 17:48	1	BB000790.D	ZB-35-HT 0.25 (mm)
IC 580-107496/25		03/19/2012 18:02	1	BB000791.D	ZB-XLB-HT 0.25 (mm)
IC 580-107496/25		03/19/2012 18:02	1	BB000791.D	ZB-35-HT 0.25 (mm)
IC 580-107496/26		03/19/2012 18:15	1	BB000792.D	ZB-XLB-HT 0.25 (mm)
IC 580-107496/26		03/19/2012 18:15	1	BB000792.D	ZB-35-HT 0.25 (mm)
ICRT 580-107496/27		03/19/2012 18:29	1	BB000793.D	ZB-XLB-HT 0.25 (mm)
ICRT 580-107496/27		03/19/2012 18:29	1	BB000793.D	ZB-35-HT 0.25 (mm)
IC 580-107496/28		03/19/2012 18:43	1	BB000794.D	ZB-XLB-HT 0.25 (mm)
IC 580-107496/28		03/19/2012 18:43	1	BB000794.D	ZB-35-HT 0.25 (mm)
IC 580-107496/29		03/19/2012 18:56	1	BB000795.D	ZB-XLB-HT 0.25 (mm)
IC 580-107496/29		03/19/2012 18:56	1	BB000795.D	ZB-35-HT 0.25 (mm)
ICV 580-107496/30		03/19/2012 19:10	1	BB000796.D	ZB-XLB-HT 0.25 (mm)
ICV 580-107496/30		03/19/2012 19:10	1	BB000796.D	ZB-35-HT 0.25 (mm)
IC 580-107496/31		03/20/2012 09:36	1	BB000810.D	ZB-XLB-HT 0.25 (mm)
IC 580-107496/31		03/20/2012 09:36	1	BB000810.D	ZB-35-HT 0.25 (mm)
IC 580-107496/32		03/20/2012 09:50	1	BB000811.D	ZB-XLB-HT 0.25 (mm)
IC 580-107496/32		03/20/2012 09:50	1	BB000811.D	ZB-35-HT 0.25 (mm)
IC 580-107496/33		03/20/2012 10:04	1	BB000812.D	ZB-XLB-HT 0.25 (mm)
IC 580-107496/33		03/20/2012 10:04	1	BB000812.D	ZB-35-HT 0.25 (mm)
ICRT 580-107496/34		03/20/2012 10:17	1	BB000813.D	ZB-XLB-HT 0.25 (mm)
ICRT 580-107496/34		03/20/2012 10:17	1	BB000813.D	ZB-35-HT 0.25 (mm)
IC 580-107496/35		03/20/2012 10:31	1	BB000814.D	ZB-XLB-HT 0.25 (mm)
IC 580-107496/35		03/20/2012 10:31	1	BB000814.D	ZB-35-HT 0.25 (mm)
IC 580-107496/36		03/20/2012 10:44	1	BB000815.D	ZB-XLB-HT 0.25 (mm)
IC 580-107496/36		03/20/2012 10:44	1	BB000815.D	ZB-35-HT 0.25 (mm)
ICV 580-107496/37		03/20/2012 10:58	1	BB000816.D	ZB-XLB-HT 0.25 (mm)
ICV 580-107496/37		03/20/2012 10:58	1	BB000816.D	ZB-35-HT 0.25 (mm)

PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica SeattleJob No.: 580-32287-1

SDG No.: _____

Instrument ID: TAC045Start Date: 04/13/2012 07:48Analysis Batch Number: 109208End Date: 04/13/2012 23:28

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCVRT 580-109208/1		04/13/2012 07:48	1	BB001368.D	ZB-XLB-HT 0.25 (mm)
CCVRT 580-109208/1		04/13/2012 07:48	1	BB001368.D	ZB-35-HT 0.25 (mm)
CCV 580-109208/2		04/13/2012 08:01	1	BB001369.D	ZB-XLB-HT 0.25 (mm)
CCV 580-109208/2		04/13/2012 08:01	1	BB001369.D	ZB-35-HT 0.25 (mm)
CCV 580-109208/3		04/13/2012 08:15	1	BB001370.D	ZB-XLB-HT 0.25 (mm)
CCV 580-109208/3		04/13/2012 08:15	1	BB001370.D	ZB-35-HT 0.25 (mm)
CCV 580-109208/4		04/13/2012 08:29	1	BB001371.D	ZB-XLB-HT 0.25 (mm)
CCV 580-109208/4		04/13/2012 08:29	1	BB001371.D	ZB-35-HT 0.25 (mm)
CCV 580-109208/5		04/13/2012 08:42	1	BB001372.D	ZB-XLB-HT 0.25 (mm)
CCV 580-109208/5		04/13/2012 08:42	1	BB001372.D	ZB-35-HT 0.25 (mm)
MB 580-109093/1-A		04/13/2012 09:37	1	BB001373.D	ZB-XLB-HT 0.25 (mm)
MB 580-109093/1-A		04/13/2012 09:37	1	BB001373.D	ZB-35-HT 0.25 (mm)
LCS 580-109093/2-A		04/13/2012 09:51	1	BB001374.D	ZB-XLB-HT 0.25 (mm)
LCS 580-109093/2-A		04/13/2012 09:51	1	BB001374.D	ZB-35-HT 0.25 (mm)
LCSD 580-109093/3-A		04/13/2012 10:04	1	BB001375.D	ZB-XLB-HT 0.25 (mm)
LCSD 580-109093/3-A		04/13/2012 10:04	1	BB001375.D	ZB-35-HT 0.25 (mm)
580-32287-17	MW-08-040612	04/13/2012 10:32	1	BB001377.D	ZB-XLB-HT 0.25 (mm)
580-32287-17	MW-08-040612	04/13/2012 10:32	1	BB001377.D	ZB-35-HT 0.25 (mm)
580-32287-18	IDW-02-040612	04/13/2012 10:45	1	BB001378.D	ZB-XLB-HT 0.25 (mm)
580-32287-18	IDW-02-040612	04/13/2012 10:45	1	BB001378.D	ZB-35-HT 0.25 (mm)
CCV 580-109208/12		04/13/2012 10:59	1	BB001379.D	ZB-XLB-HT 0.25 (mm)
CCV 580-109208/12		04/13/2012 10:59	1	BB001379.D	ZB-35-HT 0.25 (mm)
ZZZZZ		04/13/2012 11:50	1		ZB-XLB-HT 0.25 (mm)
ZZZZZ		04/13/2012 11:50	1		ZB-35-HT 0.25 (mm)
ZZZZZ		04/13/2012 12:03	1		ZB-XLB-HT 0.25 (mm)
ZZZZZ		04/13/2012 12:03	1		ZB-35-HT 0.25 (mm)
ZZZZZ		04/13/2012 12:17	1		ZB-XLB-HT 0.25 (mm)
ZZZZZ		04/13/2012 12:17	1		ZB-35-HT 0.25 (mm)
ZZZZZ		04/13/2012 12:31	1		ZB-XLB-HT 0.25 (mm)
ZZZZZ		04/13/2012 12:31	1		ZB-35-HT 0.25 (mm)
ZZZZZ		04/13/2012 12:44	1		ZB-XLB-HT 0.25 (mm)
ZZZZZ		04/13/2012 12:44	1		ZB-35-HT 0.25 (mm)
CCV 580-109208/18		04/13/2012 12:58	1		ZB-XLB-HT 0.25 (mm)
CCV 580-109208/18		04/13/2012 12:58	1		ZB-35-HT 0.25 (mm)
CCB 580-109208/19		04/13/2012 13:12	1		ZB-XLB-HT 0.25 (mm)
CCB 580-109208/19		04/13/2012 13:12	1		ZB-35-HT 0.25 (mm)
ZZZZZ		04/13/2012 14:20	1		ZB-XLB-HT 0.25 (mm)
ZZZZZ		04/13/2012 14:20	1		ZB-35-HT 0.25 (mm)
ZZZZZ		04/13/2012 14:33	1		ZB-XLB-HT 0.25 (mm)
ZZZZZ		04/13/2012 14:33	1		ZB-35-HT 0.25 (mm)
ZZZZZ		04/13/2012 14:47	1		ZB-XLB-HT 0.25 (mm)
ZZZZZ		04/13/2012 14:47	1		ZB-35-HT 0.25 (mm)
ZZZZZ		04/13/2012 15:00	1		ZB-XLB-HT 0.25 (mm)
ZZZZZ		04/13/2012 15:00	1		ZB-35-HT 0.25 (mm)
ZZZZZ		04/13/2012 15:14	1		ZB-XLB-HT 0.25 (mm)

PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica Seattle Job No.: 580-32287-1

SDG No.: _____

Instrument ID: TAC045 Start Date: 04/13/2012 07:48Analysis Batch Number: 109208 End Date: 04/13/2012 23:28

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		04/13/2012 15:14	1		ZB-35-HT 0.25 (mm)
ZZZZZ		04/13/2012 15:28	1		ZB-XLB-HT 0.25 (mm)
ZZZZZ		04/13/2012 15:28	1		ZB-35-HT 0.25 (mm)
CCV 580-109208/30		04/13/2012 15:41	1		ZB-XLB-HT 0.25 (mm)
CCV 580-109208/30		04/13/2012 15:41	1		ZB-35-HT 0.25 (mm)
CCV 580-109208/53		04/13/2012 20:59	1		ZB-XLB-HT 0.25 (mm)
CCV 580-109208/53		04/13/2012 20:59	1		ZB-35-HT 0.25 (mm)
CCB 580-109208/54		04/13/2012 21:13	1		ZB-XLB-HT 0.25 (mm)
CCB 580-109208/54		04/13/2012 21:13	1		ZB-35-HT 0.25 (mm)
ZZZZZ		04/13/2012 22:34	1		ZB-XLB-HT 0.25 (mm)
ZZZZZ		04/13/2012 22:34	1		ZB-35-HT 0.25 (mm)
ZZZZZ		04/13/2012 22:48	1		ZB-XLB-HT 0.25 (mm)
ZZZZZ		04/13/2012 22:48	1		ZB-35-HT 0.25 (mm)
ZZZZZ		04/13/2012 23:01	1		ZB-XLB-HT 0.25 (mm)
ZZZZZ		04/13/2012 23:01	1		ZB-35-HT 0.25 (mm)
ZZZZZ		04/13/2012 23:15	1		ZB-XLB-HT 0.25 (mm)
ZZZZZ		04/13/2012 23:15	1		ZB-35-HT 0.25 (mm)
CCV 580-109208/64		04/13/2012 23:28	1		ZB-XLB-HT 0.25 (mm)
CCV 580-109208/64		04/13/2012 23:28	1		ZB-35-HT 0.25 (mm)

PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica SeattleJob No.: 580-32287-1

SDG No.: _____

Instrument ID: TAC045Start Date: 04/18/2012 11:55Analysis Batch Number: 109551End Date: 04/18/2012 22:36

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCVRT 580-109551/1		04/18/2012 11:55	1	BB001555.D	ZB-XLB-HT 0.25 (mm)
CCVRT 580-109551/1		04/18/2012 11:55	1	BB001555.D	ZB-35-HT 0.25 (mm)
CCV 580-109551/2		04/18/2012 12:09	1	BB001556.D	ZB-XLB-HT 0.25 (mm)
CCV 580-109551/2		04/18/2012 12:09	1	BB001556.D	ZB-35-HT 0.25 (mm)
CCV 580-109551/3		04/18/2012 12:22	1	BB001557.D	ZB-XLB-HT 0.25 (mm)
CCV 580-109551/3		04/18/2012 12:22	1	BB001557.D	ZB-35-HT 0.25 (mm)
CCV 580-109551/4		04/18/2012 12:36	1	BB001558.D	ZB-XLB-HT 0.25 (mm)
CCV 580-109551/4		04/18/2012 12:36	1	BB001558.D	ZB-35-HT 0.25 (mm)
CCV 580-109551/5		04/18/2012 12:50	1	BB001559.D	ZB-XLB-HT 0.25 (mm)
CCV 580-109551/5		04/18/2012 12:50	1	BB001559.D	ZB-35-HT 0.25 (mm)
MB 580-109461/1-A		04/18/2012 13:03	1	BB001560.D	ZB-XLB-HT 0.25 (mm)
MB 580-109461/1-A		04/18/2012 13:03	1	BB001560.D	ZB-35-HT 0.25 (mm)
LCS 580-109461/3-A		04/18/2012 13:17	1	BB001561.D	ZB-XLB-HT 0.25 (mm)
LCS 580-109461/3-A		04/18/2012 13:17	1	BB001561.D	ZB-35-HT 0.25 (mm)
ZZZZZ		04/18/2012 13:30	1		ZB-XLB-HT 0.25 (mm)
ZZZZZ		04/18/2012 13:30	1		ZB-35-HT 0.25 (mm)
580-32287-1	YK-MW-08 (11.45-12.2)	04/18/2012 13:44	1	BB001563.D	ZB-XLB-HT 0.25 (mm)
580-32287-1	YK-MW-08 (11.45-12.2)	04/18/2012 13:44	1	BB001563.D	ZB-35-HT 0.25 (mm)
580-32287-2	YK-MW-08 (4.2-5.0)	04/18/2012 13:58	1	BB001564.D	ZB-XLB-HT 0.25 (mm)
580-32287-2	YK-MW-08 (4.2-5.0)	04/18/2012 13:58	1	BB001564.D	ZB-35-HT 0.25 (mm)
580-32287-3	YK-SB-21 (4.5-5.0)	04/18/2012 14:11	1	BB001565.D	ZB-XLB-HT 0.25 (mm)
580-32287-3	YK-SB-21 (4.5-5.0)	04/18/2012 14:11	1	BB001565.D	ZB-35-HT 0.25 (mm)
580-32287-4	YK-SB-21 (9.8-10.0)	04/18/2012 14:25	1	BB001566.D	ZB-XLB-HT 0.25 (mm)
580-32287-4	YK-SB-21 (9.8-10.0)	04/18/2012 14:25	1	BB001566.D	ZB-35-HT 0.25 (mm)
580-32287-5	YK-SB-19 (3.3-4.3)	04/18/2012 14:38	1	BB001567.D	ZB-XLB-HT 0.25 (mm)
580-32287-5	YK-SB-19 (3.3-4.3)	04/18/2012 14:38	1	BB001567.D	ZB-35-HT 0.25 (mm)
580-32287-6	YK-SB-19 (9.0-10.0)	04/18/2012 14:52	1	BB001568.D	ZB-XLB-HT 0.25 (mm)
580-32287-6	YK-SB-19 (9.0-10.0)	04/18/2012 14:52	1	BB001568.D	ZB-35-HT 0.25 (mm)
580-32287-7	YK-SB-20 (4.0-4.7)	04/18/2012 15:06	1	BB001569.D	ZB-XLB-HT 0.25 (mm)
580-32287-7	YK-SB-20 (4.0-4.7)	04/18/2012 15:06	1	BB001569.D	ZB-35-HT 0.25 (mm)
CCV 580-109551/16		04/18/2012 15:19	1	BB001570.D	ZB-XLB-HT 0.25 (mm)
CCV 580-109551/16		04/18/2012 15:19	1	BB001570.D	ZB-35-HT 0.25 (mm)
CCB 580-109551/17		04/18/2012 15:33	1	BB001571.D	ZB-XLB-HT 0.25 (mm)
CCB 580-109551/17		04/18/2012 15:33	1	BB001571.D	ZB-35-HT 0.25 (mm)
580-32287-8	YK-SB-20 (5.2-6.5)	04/18/2012 15:47	1	BB001572.D	ZB-XLB-HT 0.25 (mm)
580-32287-8	YK-SB-20 (5.2-6.5)	04/18/2012 15:47	1	BB001572.D	ZB-35-HT 0.25 (mm)
580-32287-9	YK-SB-20 (5.2-6.5) Dup	04/18/2012 16:00	1	BB001573.D	ZB-XLB-HT 0.25 (mm)
580-32287-9	YK-SB-20 (5.2-6.5) Dup	04/18/2012 16:00	1	BB001573.D	ZB-35-HT 0.25 (mm)
580-32287-10	YK-SB-22 (6.9-7.1)	04/18/2012 16:14	1	BB001574.D	ZB-XLB-HT 0.25 (mm)
580-32287-10	YK-SB-22 (6.9-7.1)	04/18/2012 16:14	1	BB001574.D	ZB-35-HT 0.25 (mm)
580-32287-11	YK-SB-22 (3.0-3.3)	04/18/2012 16:27	1	BB001575.D	ZB-XLB-HT 0.25 (mm)
580-32287-11	YK-SB-22 (3.0-3.3)	04/18/2012 16:27	1	BB001575.D	ZB-35-HT 0.25 (mm)
580-32287-12	YK-SB-23 (3.0-3.5)	04/18/2012 16:41	1	BB001576.D	ZB-XLB-HT 0.25 (mm)
580-32287-12	YK-SB-23 (3.0-3.5)	04/18/2012 16:41	1	BB001576.D	ZB-35-HT 0.25 (mm)
580-32287-13	YK-SB-23 (6.5-7.0)	04/18/2012 16:56	1	BB001577.D	ZB-XLB-HT 0.25 (mm)

PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica Seattle Job No.: 580-32287-1

SDG No.: _____

Instrument ID: TAC045 Start Date: 04/18/2012 11:55

Analysis Batch Number: 109551 End Date: 04/18/2012 22:36

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
580-32287-13	YK-SB-23 (6.5-7.0)	04/18/2012 16:56	1	BB001577.D	ZB-35-HT 0.25 (mm)
580-32287-14	YK-SB-24 (3.0-3.3)	04/18/2012 17:10	1	BB001578.D	ZB-XLB-HT 0.25 (mm)
580-32287-14	YK-SB-24 (3.0-3.3)	04/18/2012 17:10	1	BB001578.D	ZB-35-HT 0.25 (mm)
580-32287-15	YK-SB-24 (6.5-6.8)	04/18/2012 17:23	1	BB001579.D	ZB-XLB-HT 0.25 (mm)
580-32287-15	YK-SB-24 (6.5-6.8)	04/18/2012 17:23	1	BB001579.D	ZB-35-HT 0.25 (mm)
580-32287-16	IDW-01-040612	04/18/2012 17:37	1	BB001580.D	ZB-XLB-HT 0.25 (mm)
580-32287-16	IDW-01-040612	04/18/2012 17:37	1	BB001580.D	ZB-35-HT 0.25 (mm)
ZZZZZ		04/18/2012 17:51	1		ZB-XLB-HT 0.25 (mm)
ZZZZZ		04/18/2012 17:51	1		ZB-35-HT 0.25 (mm)
CCV 580-109551/28		04/18/2012 18:04	1	BB001582.D	ZB-XLB-HT 0.25 (mm)
CCV 580-109551/28		04/18/2012 18:04	1	BB001582.D	ZB-35-HT 0.25 (mm)
CCB 580-109551/29		04/18/2012 18:18	1		ZB-XLB-HT 0.25 (mm)
CCB 580-109551/29		04/18/2012 18:18	1		ZB-35-HT 0.25 (mm)
ZZZZZ		04/18/2012 18:31	1		ZB-XLB-HT 0.25 (mm)
ZZZZZ		04/18/2012 18:31	1		ZB-35-HT 0.25 (mm)
ZZZZZ		04/18/2012 18:45	1		ZB-XLB-HT 0.25 (mm)
ZZZZZ		04/18/2012 18:45	1		ZB-35-HT 0.25 (mm)
ZZZZZ		04/18/2012 18:59	1		ZB-XLB-HT 0.25 (mm)
ZZZZZ		04/18/2012 18:59	1		ZB-35-HT 0.25 (mm)
ZZZZZ		04/18/2012 19:12	1		ZB-XLB-HT 0.25 (mm)
ZZZZZ		04/18/2012 19:12	1		ZB-35-HT 0.25 (mm)
ZZZZZ		04/18/2012 19:26	1		ZB-XLB-HT 0.25 (mm)
ZZZZZ		04/18/2012 19:26	1		ZB-35-HT 0.25 (mm)
ZZZZZ		04/18/2012 19:39	1		ZB-XLB-HT 0.25 (mm)
ZZZZZ		04/18/2012 19:39	1		ZB-35-HT 0.25 (mm)
CCV 580-109551/40		04/18/2012 20:47	1		ZB-XLB-HT 0.25 (mm)
CCV 580-109551/40		04/18/2012 20:47	1		ZB-35-HT 0.25 (mm)
CCB 580-109551/41		04/18/2012 21:01	1		ZB-XLB-HT 0.25 (mm)
CCB 580-109551/41		04/18/2012 21:01	1		ZB-35-HT 0.25 (mm)
ZZZZZ		04/18/2012 22:23	1		ZB-XLB-HT 0.25 (mm)
ZZZZZ		04/18/2012 22:23	1		ZB-35-HT 0.25 (mm)
CCV 580-109551/48		04/18/2012 22:36	1		ZB-XLB-HT 0.25 (mm)
CCV 580-109551/48		04/18/2012 22:36	1		ZB-35-HT 0.25 (mm)

PCBS BATCH WORKSHEET

Lab Name: TestAmerica Seattle Job No.: 580-32287-1

SDG No.: _____

Batch Number: 109093 Batch Start Date: 04/11/12 17:32 Batch Analyst: Stearns, RyanBatch Method: 3510C Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	ReceivedpH	InitialAmount	FinalAmount	PCBLSSpk 00023	Pest/PCB Surr 00024	
MB 580-109093/1		3510C, 8082		7	1000 mL	10 mL		100 uL	
LCS 580-109093/2		3510C, 8082		7	1000 mL	10 mL	100 uL	100 uL	
LCSD 580-109093/3		3510C, 8082		7	1000 mL	10 mL	100 uL	100 uL	
580-32287-A-17	MW-08-040612	3510C, 8082	T	7	1060 mL	10 mL		100 uL	
580-32287-A-18	IDW-02-040612	3510C, 8082	T	7	1060 mL	10 mL		100 uL	

Batch Notes	
Acid used for Clean Up Reagent	861544
Person's name who did the concentration	StearnsR
Exchange Solvent Lot #	864175
Exchange Solvent Name	Hexane
Filter Paper Lot Number	887158
N-evap #	TAC001
N-evap temperature	29.5 Degrees C
Na2SO4 Lot Number	832176
Oven, Bath or Block Temperature 1	84-89
Prep Solvent Lot #	884205
Prep Solvent Name	DCM
Prep Solvent Volume Used	240 mL
Person's name who did the prep	StearnsR
Sufficient volume for MS/MSD?	NO
ID number of the thermometer	1`5-041-1A-3
Uncorrected N-evap Temperature	30.0 Degrees C
Uncorrected Temperature	85-90 Celsius

Basis	Basis Description
T	Total/NA

PCBS BATCH WORKSHEET

Lab Name: TestAmerica Seattle Job No.: 580-32287-1

SDG No.: _____

Batch Number: 109461 Batch Start Date: 04/17/12 12:25 Batch Analyst: Palmer, SonyaBatch Method: 3550B Batch End Date: 04/17/12 14:27

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	PCBLSSpk 00023	Pest/PCB Surr 00019	AnalysisComment	
MB 580-109461/1		3550B, 8082		10 g	10 mL		100 uL		
LCS 580-109461/3		3550B, 8082		10 g	10 mL	100 uL	100 uL	82	
580-32287-A-1	YK-MW-08 (11.45-1 2.2)	3550B, 8082	T	10.5641 g	10 mL		100 uL	clay with fuel odor	
580-32287-A-2	YK-MW-08 (4.2-5.0)	3550B, 8082	T	10.2283 g	10 mL		100 uL		
580-32287-A-3	YK-SB-21 (4.5-5.0)	3550B, 8082	T	10.3311 g	10 mL		100 uL		
580-32287-A-4	YK-SB-21 (9.8-10. 0)	3550B, 8082	T	10.6846 g	10 mL		100 uL		
580-32287-A-5	YK-SB-19 (3.3-4.3)	3550B, 8082	T	10.4719 g	10 mL		100 uL		
580-32287-A-6	YK-SB-19 (9.0-10. 0)	3550B, 8082	T	10.1052 g	10 mL		100 uL		
580-32287-A-7	YK-SB-20 (4.0-4.7)	3550B, 8082	T	10.8522 g	10 mL		100 uL		
580-32287-A-8	YK-SB-20 (5.2-6.5)	3550B, 8082	T	10.3871 g	10 mL		100 uL		
580-32287-A-9	YK-SB-20 (5.2-6.5) Dup	3550B, 8082	T	10.0400 g	10 mL		100 uL		
580-32287-A-10	YK-SB-22 (6.9-7.1)	3550B, 8082	T	10.6241 g	10 mL		100 uL		
580-32287-A-11	YK-SB-22 (3.0-3.3)	3550B, 8082	T	10.3529 g	10 mL		100 uL		
580-32287-A-12	YK-SB-23 (3.0-3.5)	3550B, 8082	T	10.6150 g	10 mL		100 uL		
580-32287-A-13	YK-SB-23 (6.5-7.0)	3550B, 8082	T	10.8986 g	10 mL		100 uL		
580-32287-A-14	YK-SB-24 (3.0-3.3)	3550B, 8082	T	10.4533 g	10 mL		100 uL		
580-32287-A-15	YK-SB-24 (6.5-6.8)	3550B, 8082	T	10.6632 g	10 mL		100 uL		
580-32287-A-16	IDW-01-040612	3550B, 8082	T	10.1900 g	10 mL		100 uL		

PCBS BATCH WORKSHEET

Lab Name: TestAmerica Seattle Job No.: 580-32287-1

SDG No.: _____

Batch Number: 109461 Batch Start Date: 04/17/12 12:25 Batch Analyst: Palmer, SonyaBatch Method: 3550B Batch End Date: 04/17/12 14:27

Batch Notes	
Acid used for Clean Up Reagent	867000
Balance ID	SEA222
Blank Soil Lot Number	817693
Person's name who did the concentration	spalmer
Na2SO4 Lot Number	832174
Prep Solvent Lot #	891293
Prep Solvent Name	Hexane
Prep Solvent Volume Used	10 (veriiifed volumetrically) mL
Person's name who did the prep	spalmer
ID number of the thermometer	101696187
Uncorrected Temperature	51.2-55.5 Celsius
Vendor of Reagent used	JTB
Water Bath ID	WB1
Water Bath Temperature	51.3-55.6 Celsius

Basis	Basis Description
T	Total/NA

Method NWTPH Dx

Northwest - Semi-Volatile Petroleum
Products (GC) by Method NWTPH_Dx

FORM II
GC SEMI VOA SURROGATE RECOVERY

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
SDG No.: _____
Matrix: Solid Level: Low
GC Column (1): ZB-1HT ID: 0.25 (mm)

Client Sample ID	Lab Sample ID	OTPH #
YK-MW-08 (11.45-12.2)	580-32287-1	94
YK-MW-08 (4.2-5.0)	580-32287-2	91
YK-SB-21 (4.5-5.0)	580-32287-3	93
YK-SB-21 (9.8-10.0)	580-32287-4	92
YK-SB-19 (3.3-4.3)	580-32287-5	91
YK-SB-19 (9.0-10.0)	580-32287-6	89
YK-SB-20 (4.0-4.7)	580-32287-7	92
YK-SB-20 (5.2-6.5)	580-32287-8	84
YK-SB-20 (5.2-6.5) D up	580-32287-9	90
YK-SB-22 (6.9-7.1)	580-32287-10	90
YK-SB-22 (3.0-3.3)	580-32287-11	93
YK-SB-23 (3.0-3.5)	580-32287-12	92
YK-SB-23 (6.5-7.0)	580-32287-13	90
YK-SB-24 (3.0-3.3)	580-32287-14	92
YK-SB-24 (6.5-6.8)	580-32287-15	92
IDW-01-040612	580-32287-16	90
	MB 580-109518/1-A	92
	LCS 580-109518/2-A	93
YK-SB-21 (4.5-5.0) DU	580-32287-3 DU	89
YK-SB-20 (4.0-4.7) DU	580-32287-7 DU	90

OTPH = o-Terphenyl

QC LIMITS
50-150

Column to be used to flag recovery values

FORM II NWTPH-Dx

FORM II
GC SEMI VOA SURROGATE RECOVERY

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
SDG No.: _____
Matrix: Water Level: Low
GC Column (1): ZB-1HT ID: 0.25 (mm)

Client Sample ID	Lab Sample ID	OTPH #
MW-08-040612	580-32287-17	82
IDW-02-040612	580-32287-18	86
	MB 580-109428/1-A	208 X
	LCS 580-109428/2-A	89
	LCSD 580-109428/3-A	87

OTPH = o-Terphenyl

QC LIMITS
50-150

Column to be used to flag recovery values

FORM II NWTPH-Dx

FORM III
GC SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
SDG No.: _____
Matrix: Water Level: Low Lab File ID: ZZ17631.D
Lab ID: LCS 580-109428/2-A Client ID: _____

COMPOUND	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC	QC LIMITS REC	#
#2 Diesel (C10-C24)	5.00	4.89	98	70-140	
Motor Oil (>C24-C36)	5.00	5.18	104	66-125	

Column to be used to flag recovery and RPD values

FORM III
GC SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
SDG No.: _____
Matrix: Solid Level: Low Lab File ID: ZZ17552.D
Lab ID: LCS 580-109518/2-A Client ID: _____

COMPOUND	SPIKE ADDED (mg/Kg)	LCS CONCENTRATION (mg/Kg)	LCS % REC	QC LIMITS REC	#
#2 Diesel (C10-C24)	500	489	98	70-125	
Motor Oil (>C24-C36)	500	521	104	64-127	

Column to be used to flag recovery and RPD values

FORM III NWTPH-Dx

FORM III
GC SEMI VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
SDG No.: _____
Matrix: Water Level: Low Lab File ID: ZZ17633.D
Lab ID: LCSD 580-109428/3-A Client ID: _____

COMPOUND	SPIKE ADDED (mg/L)	LCSD CONCENTRATION (mg/L)	LCSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
#2 Diesel (C10-C24)	5.00	4.78	96	2	27	70-140	
Motor Oil (>C24-C36)	5.00	5.16	103	1	27	66-125	

Column to be used to flag recovery and RPD values

FORM IV
GC SEMI VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
SDG No.: _____
Lab File ID: ZZ17629.D Lab Sample ID: MB 580-109428/1-A
Matrix: Water Date Extracted: 04/17/2012 08:39
Instrument ID: TAC017 Date Analyzed: 04/19/2012 15:00
Level: (Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 580-109428/2-A	ZZ17631.D	04/19/2012 15:22
	LCSD 580-109428/3-A	ZZ17633.D	04/19/2012 15:44
MW-08-040612	580-32287-17	ZZ17635.D	04/19/2012 16:06
IDW-02-040612	580-32287-18	ZZ17637.D	04/19/2012 16:28

FORM IV
GC SEMI VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
 SDG No.: _____
 Lab File ID: ZZ17550.D Lab Sample ID: MB 580-109518/1-A
 Matrix: Solid Date Extracted: 04/17/2012 16:32
 Instrument ID: TAC017 Date Analyzed: 04/18/2012 18:46
 Level: (Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 580-109518/2-A	ZZ17552.D	04/18/2012 19:08
YK-MW-08 (11.45-12.2)	580-32287-1	ZZ17554.D	04/18/2012 19:29
YK-MW-08 (4.2-5.0)	580-32287-2	ZZ17556.D	04/18/2012 19:51
YK-SB-21 (4.5-5.0)	580-32287-3	ZZ17558.D	04/18/2012 20:13
YK-SB-21 (9.8-10.0)	580-32287-4	ZZ17560.D	04/18/2012 20:34
YK-SB-19 (3.3-4.3)	580-32287-5	ZZ17562.D	04/18/2012 20:56
YK-SB-19 (9.0-10.0)	580-32287-6	ZZ17564.D	04/18/2012 21:18
YK-SB-20 (4.0-4.7)	580-32287-7	ZZ17566.D	04/18/2012 21:39
YK-SB-20 (5.2-6.5)	580-32287-8	ZZ17568.D	04/18/2012 22:01
YK-SB-23 (3.0-3.5)	580-32287-12	ZZ17580.D	04/19/2012 00:10
YK-SB-23 (6.5-7.0)	580-32287-13	ZZ17582.D	04/19/2012 00:32
YK-SB-24 (3.0-3.3)	580-32287-14	ZZ17584.D	04/19/2012 00:53
YK-SB-24 (6.5-6.8)	580-32287-15	ZZ17586.D	04/19/2012 01:14
IDW-01-040612	580-32287-16	ZZ17588.D	04/19/2012 01:35
YK-SB-21 (4.5-5.0) DU	580-32287-3 DU	ZZ17590.D	04/19/2012 01:56
YK-SB-20 (4.0-4.7) DU	580-32287-7 DU	ZZ17592.D	04/19/2012 02:17
YK-SB-20 (5.2-6.5) Dup	580-32287-9	ZZ17574.D	04/19/2012 23:06
YK-SB-22 (6.9-7.1)	580-32287-10	ZZ17576.D	04/19/2012 23:27
YK-SB-22 (3.0-3.3)	580-32287-11	ZZ17578.D	04/19/2012 23:49

FORM VIII
GC SEMI VOA ANALYTICAL SEQUENCE

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
 SDG No.: _____
 Sample No.: CCVRT 580-109531/2 Date Analyzed: 04/18/2012 17:18
 Instrument ID: TAC017 GC Column: ZB-1HT ID: 0.25 (mm)
 Lab File ID (Standard): ZZ17542.D Heated Purge: (Y/N) N
 Calibration ID: 10628

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				OTPH		
				RT #		
CONTINUING CALIBRATION SURROGATE				4.95		
UPPER LIMIT				4.98		
LOWER LIMIT				4.92		
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCVRT 580-109531/2		04/18/2012 17:18	ZZ17542.D	4.95		
CCV 580-109531/5		04/18/2012 18:24	ZZ17548.D	4.95		
MB 580-109518/1-A		04/18/2012 18:46	ZZ17550.D	4.94		
LCS 580-109518/2-A		04/18/2012 19:08	ZZ17552.D	4.94		
580-32287-1	YK-MW-08 (11.45-12.2)	04/18/2012 19:29	ZZ17554.D	4.94		
580-32287-2	YK-MW-08 (4.2-5.0)	04/18/2012 19:51	ZZ17556.D	4.94		
580-32287-3	YK-SB-21 (4.5-5.0)	04/18/2012 20:13	ZZ17558.D	4.94		
580-32287-4	YK-SB-21 (9.8-10.0)	04/18/2012 20:34	ZZ17560.D	4.94		
580-32287-5	YK-SB-19 (3.3-4.3)	04/18/2012 20:56	ZZ17562.D	4.94		
580-32287-6	YK-SB-19 (9.0-10.0)	04/18/2012 21:18	ZZ17564.D	4.94		
580-32287-7	YK-SB-20 (4.0-4.7)	04/18/2012 21:39	ZZ17566.D	4.94		
580-32287-8	YK-SB-20 (5.2-6.5)	04/18/2012 22:01	ZZ17568.D	4.94		
CCV 580-109531/16		04/18/2012 22:23	ZZ17570.D	4.94		
580-32287-12	YK-SB-23 (3.0-3.5)	04/19/2012 00:10	ZZ17580.D	4.94		
580-32287-13	YK-SB-23 (6.5-7.0)	04/19/2012 00:32	ZZ17582.D	4.94		
580-32287-14	YK-SB-24 (3.0-3.3)	04/19/2012 00:53	ZZ17584.D	4.94		
580-32287-15	YK-SB-24 (6.5-6.8)	04/19/2012 01:14	ZZ17586.D	4.94		
580-32287-16	IDW-01-040612	04/19/2012 01:35	ZZ17588.D	4.94		
580-32287-3 DU	YK-SB-21 (4.5-5.0) DU	04/19/2012 01:56	ZZ17590.D	4.94		
580-32287-7 DU	YK-SB-20 (4.0-4.7) DU	04/19/2012 02:17	ZZ17592.D	4.94		
CCV 580-109531/28		04/19/2012 02:38	ZZ17594.D	4.94		
580-32287-9	YK-SB-20 (5.2-6.5) Dup	04/19/2012 23:06	ZZ17574.D	4.94		
580-32287-10	YK-SB-22 (6.9-7.1)	04/19/2012 23:27	ZZ17576.D	4.94		
580-32287-11	YK-SB-22 (3.0-3.3)	04/19/2012 23:49	ZZ17578.D	4.94		

OTPH = o-Terphenyl

OTPH RT Limit = ± 0.03 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII
GC SEMI VOA ANALYTICAL SEQUENCE

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
 SDG No.: _____
 Sample No.: CCVRT 580-109638/2 Date Analyzed: 04/19/2012 08:57
 Instrument ID: TAC017 GC Column: ZB-1HT ID: 0.25 (mm)
 Lab File ID (Standard): ZZ17599.D Heated Purge: (Y/N) N
 Calibration ID: 10628

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				OTPH		
				RT #		
CONTINUING CALIBRATION SURROGATE				4.95		
UPPER LIMIT						
LOWER LIMIT						
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCVRT 580-109638/2		04/19/2012 08:57	ZZ17599.D	4.95		
CCV 580-109638/96		04/19/2012 14:16	ZZ17625.D	4.95		
MB 580-109428/1-A		04/19/2012 15:00	ZZ17629.D	4.96		
LCS 580-109428/2-A		04/19/2012 15:22	ZZ17631.D	4.95		
LCSD 580-109428/3-A		04/19/2012 15:44	ZZ17633.D	4.95		
580-32287-17	MW-08-040612	04/19/2012 16:06	ZZ17635.D	4.95		
580-32287-18	IDW-02-040612	04/19/2012 16:28	ZZ17637.D	4.95		
CCV 580-109638/49		04/19/2012 18:38	ZZ17649.D	4.95		

Column used to flag values outside QC limits

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
SDG No.: _____
Client Sample ID: YK-MW-08(11.45-12.2) Lab Sample ID: 580-32287-1
Matrix: Solid Lab File ID: ZZ17554.D
Analysis Method: NWTPH-Dx Date Collected: 04/04/2012 15:11
Extraction Method: 3550B Date Extracted: 04/17/2012 16:33
Sample wt/vol: 10.5012(g) Date Analyzed: 04/18/2012 19:29
Con. Extract Vol.: 10 (mL) Dilution Factor: 1
Injection Volume: 1 (uL) GC Column: ZB-1HT ID: 0.25 (mm)
% Moisture: 23.4 GPC Cleanup: (Y/N) N
Analysis Batch No.: 109531 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00163	#2 Diesel (C10-C24)	210	Y	31	7.1
STL00299	Motor Oil (>C24-C36)	510	B Y	62	11

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	94		50-150

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
SDG No.: _____
Client Sample ID: YK-MW-08(4.2-5.0) Lab Sample ID: 580-32287-2
Matrix: Solid Lab File ID: ZZ17556.D
Analysis Method: NWTPH-Dx Date Collected: 04/04/2012 14:37
Extraction Method: 3550B Date Extracted: 04/17/2012 16:33
Sample wt/vol: 10.3949(g) Date Analyzed: 04/18/2012 19:51
Con. Extract Vol.: 10 (mL) Dilution Factor: 1
Injection Volume: 1 (uL) GC Column: ZB-1HT ID: 0.25 (mm)
% Moisture: 14.6 GPC Cleanup: (Y/N) N
Analysis Batch No.: 109531 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00163	#2 Diesel (C10-C24)	8.3	J	28	6.4
STL00299	Motor Oil (>C24-C36)	130	B	56	10

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	91		50-150

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
 SDG No.: _____
 Client Sample ID: YK-SB-21(4.5-5.0) Lab Sample ID: 580-32287-3
 Matrix: Solid Lab File ID: ZZ17558.D
 Analysis Method: NWTPH-Dx Date Collected: 04/04/2012 16:17
 Extraction Method: 3550B Date Extracted: 04/17/2012 16:33
 Sample wt/vol: 10.0311(g) Date Analyzed: 04/18/2012 20:13
 Con. Extract Vol.: 10 (mL) Dilution Factor: 1
 Injection Volume: 1 (uL) GC Column: ZB-1HT ID: 0.25 (mm)
 % Moisture: 5.5 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 109531 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00163	#2 Diesel (C10-C24)	11	J	26	6.0
STL00299	Motor Oil (>C24-C36)	170	B	53	9.6

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	93		50-150

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
SDG No.: _____
Client Sample ID: YK-SB-21(9.8-10.0) Lab Sample ID: 580-32287-4
Matrix: Solid Lab File ID: ZZ17560.D
Analysis Method: NWTPH-Dx Date Collected: 04/04/2012 16:39
Extraction Method: 3550B Date Extracted: 04/17/2012 16:33
Sample wt/vol: 10.2108(g) Date Analyzed: 04/18/2012 20:34
Con. Extract Vol.: 10 (mL) Dilution Factor: 1
Injection Volume: 1 (uL) GC Column: ZB-1HT ID: 0.25 (mm)
% Moisture: 11.3 GPC Cleanup: (Y/N) N
Analysis Batch No.: 109531 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00163	#2 Diesel (C10-C24)	9.0	J	28	6.3
STL00299	Motor Oil (>C24-C36)	110	B	55	10

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	92		50-150

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
 SDG No.: _____
 Client Sample ID: YK-SB-19(3.3-4.3) Lab Sample ID: 580-32287-5
 Matrix: Solid Lab File ID: ZZ17562.D
 Analysis Method: NWTPH-Dx Date Collected: 04/05/2012 09:13
 Extraction Method: 3550B Date Extracted: 04/17/2012 16:33
 Sample wt/vol: 10.8364(g) Date Analyzed: 04/18/2012 20:56
 Con. Extract Vol.: 10 (mL) Dilution Factor: 1
 Injection Volume: 1 (uL) GC Column: ZB-1HT ID: 0.25 (mm)
 % Moisture: 7.4 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 109531 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00163	#2 Diesel (C10-C24)	5.9	J	25	5.7
STL00299	Motor Oil (>C24-C36)	46	J B	50	9.1

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	91		50-150

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
SDG No.: _____
Client Sample ID: YK-SB-19(9.0-10.0) Lab Sample ID: 580-32287-6
Matrix: Solid Lab File ID: ZZ17564.D
Analysis Method: NWTPH-Dx Date Collected: 04/05/2012 09:29
Extraction Method: 3550B Date Extracted: 04/17/2012 16:33
Sample wt/vol: 10.2569(g) Date Analyzed: 04/18/2012 21:18
Con. Extract Vol.: 10 (mL) Dilution Factor: 1
Injection Volume: 1 (uL) GC Column: ZB-1HT ID: 0.25 (mm)
% Moisture: 7.3 GPC Cleanup: (Y/N) N
Analysis Batch No.: 109531 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00163	#2 Diesel (C10-C24)	13	J	26	6.0
STL00299	Motor Oil (>C24-C36)	65	B	53	9.6

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	89		50-150

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
 SDG No.: _____
 Client Sample ID: YK-SB-20(4.0-4.7) Lab Sample ID: 580-32287-7
 Matrix: Solid Lab File ID: ZZ17566.D
 Analysis Method: NWTPH-Dx Date Collected: 04/05/2012 10:37
 Extraction Method: 3550B Date Extracted: 04/17/2012 16:33
 Sample wt/vol: 10.3577(g) Date Analyzed: 04/18/2012 21:39
 Con. Extract Vol.: 10 (mL) Dilution Factor: 1
 Injection Volume: 1 (uL) GC Column: ZB-1HT ID: 0.25 (mm)
 % Moisture: 27.2 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 109531 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00163	#2 Diesel (C10-C24)	ND		33	7.6
STL00299	Motor Oil (>C24-C36)	43	J B	66	12

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	92		50-150

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
 SDG No.: _____
 Client Sample ID: YK-SB-20(5.2-6.5) Lab Sample ID: 580-32287-8
 Matrix: Solid Lab File ID: ZZ17568.D
 Analysis Method: NWTPH-Dx Date Collected: 04/05/2012 10:59
 Extraction Method: 3550B Date Extracted: 04/17/2012 16:33
 Sample wt/vol: 10.2536(g) Date Analyzed: 04/18/2012 22:01
 Con. Extract Vol.: 10 (mL) Dilution Factor: 1
 Injection Volume: 1 (uL) GC Column: ZB-1HT ID: 0.25 (mm)
 % Moisture: 25.8 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 109531 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00163	#2 Diesel (C10-C24)	8.8	J	33	7.5
STL00299	Motor Oil (>C24-C36)	130	B	66	12

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	84		50-150

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
 SDG No.: _____
 Client Sample ID: YK-SB-20(5.2-6.5)Dup Lab Sample ID: 580-32287-9
 Matrix: Solid Lab File ID: ZZ17574.D
 Analysis Method: NWTPH-Dx Date Collected: 04/05/2012 10:59
 Extraction Method: 3550B Date Extracted: 04/17/2012 16:33
 Sample wt/vol: 10.7520(g) Date Analyzed: 04/19/2012 23:06
 Con. Extract Vol.: 10(mL) Dilution Factor: 1
 Injection Volume: 1(uL) GC Column: ZB-1HT ID: 0.25(mm)
 % Moisture: 24.9 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 109531 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00163	#2 Diesel (C10-C24)	12	J	31	7.1
STL00299	Motor Oil (>C24-C36)	160	B	62	11

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	90		50-150

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
 SDG No.: _____
 Client Sample ID: YK-SB-22(6.9-7.1) Lab Sample ID: 580-32287-10
 Matrix: Solid Lab File ID: ZZ17576.D
 Analysis Method: NWTPH-Dx Date Collected: 04/05/2012 13:47
 Extraction Method: 3550B Date Extracted: 04/17/2012 16:33
 Sample wt/vol: 10.8428(g) Date Analyzed: 04/19/2012 23:27
 Con. Extract Vol.: 10 (mL) Dilution Factor: 1
 Injection Volume: 1 (uL) GC Column: ZB-1HT ID: 0.25 (mm)
 % Moisture: 23.8 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 109531 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00163	#2 Diesel (C10-C24)	ND		30	6.9
STL00299	Motor Oil (>C24-C36)	40	J B	61	11

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	90		50-150

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
SDG No.: _____
Client Sample ID: YK-SB-22(3.0-3.3) Lab Sample ID: 580-32287-11
Matrix: Solid Lab File ID: ZZ17578.D
Analysis Method: NWTPH-Dx Date Collected: 04/05/2012 13:43
Extraction Method: 3550B Date Extracted: 04/17/2012 16:33
Sample wt/vol: 10.5859(g) Date Analyzed: 04/19/2012 23:49
Con. Extract Vol.: 10 (mL) Dilution Factor: 1
Injection Volume: 1 (uL) GC Column: ZB-1HT ID: 0.25 (mm)
% Moisture: 28.9 GPC Cleanup: (Y/N) N
Analysis Batch No.: 109531 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00163	#2 Diesel (C10-C24)	13	J	33	7.6
STL00299	Motor Oil (>C24-C36)	200	B	66	12

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	93		50-150

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
 SDG No.: _____
 Client Sample ID: YK-SB-23(3.0-3.5) Lab Sample ID: 580-32287-12
 Matrix: Solid Lab File ID: ZZ17580.D
 Analysis Method: NWTPH-Dx Date Collected: 04/05/2012 13:29
 Extraction Method: 3550B Date Extracted: 04/17/2012 16:33
 Sample wt/vol: 10.3093(g) Date Analyzed: 04/19/2012 00:10
 Con. Extract Vol.: 10 (mL) Dilution Factor: 1
 Injection Volume: 1 (uL) GC Column: ZB-1HT ID: 0.25 (mm)
 % Moisture: 31.0 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 109531 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00163	#2 Diesel (C10-C24)	ND		35	8.0
STL00299	Motor Oil (>C24-C36)	44	J B	70	13

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	92		50-150

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
 SDG No.: _____
 Client Sample ID: YK-SB-23(6.5-7.0) Lab Sample ID: 580-32287-13
 Matrix: Solid Lab File ID: ZZ17582.D
 Analysis Method: NWTPH-Dx Date Collected: 04/05/2012 13:35
 Extraction Method: 3550B Date Extracted: 04/17/2012 16:33
 Sample wt/vol: 10.3087(g) Date Analyzed: 04/19/2012 00:32
 Con. Extract Vol.: 10 (mL) Dilution Factor: 1
 Injection Volume: 1 (uL) GC Column: ZB-1HT ID: 0.25 (mm)
 % Moisture: 26.0 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 109531 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00163	#2 Diesel (C10-C24)	ND		33	7.5
STL00299	Motor Oil (>C24-C36)	42	J B	66	12

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	90		50-150

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
 SDG No.: _____
 Client Sample ID: YK-SB-24(3.0-3.3) Lab Sample ID: 580-32287-14
 Matrix: Solid Lab File ID: ZZ17584.D
 Analysis Method: NWTPH-Dx Date Collected: 04/05/2012 14:07
 Extraction Method: 3550B Date Extracted: 04/17/2012 16:33
 Sample wt/vol: 10.0871(g) Date Analyzed: 04/19/2012 00:53
 Con. Extract Vol.: 10 (mL) Dilution Factor: 1
 Injection Volume: 1 (uL) GC Column: ZB-1HT ID: 0.25 (mm)
 % Moisture: 27.9 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 109531 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00163	#2 Diesel (C10-C24)	ND		34	7.8
STL00299	Motor Oil (>C24-C36)	47	J B	69	13

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	92		50-150

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
SDG No.: _____
Client Sample ID: YK-SB-24(6.5-6.8) Lab Sample ID: 580-32287-15
Matrix: Solid Lab File ID: ZZ17586.D
Analysis Method: NWTPH-Dx Date Collected: 04/05/2012 14:11
Extraction Method: 3550B Date Extracted: 04/17/2012 16:33
Sample wt/vol: 10.4733(g) Date Analyzed: 04/19/2012 01:14
Con. Extract Vol.: 10 (mL) Dilution Factor: 1
Injection Volume: 1 (uL) GC Column: ZB-1HT ID: 0.25 (mm)
% Moisture: 26.1 GPC Cleanup: (Y/N) N
Analysis Batch No.: 109531 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00163	#2 Diesel (C10-C24)	ND		32	7.4
STL00299	Motor Oil (>C24-C36)	39	J B	65	12

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	92		50-150

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
 SDG No.: _____
 Client Sample ID: IDW-01-040612 Lab Sample ID: 580-32287-16
 Matrix: Solid Lab File ID: ZZ17588.D
 Analysis Method: NWTPH-Dx Date Collected: 04/06/2012 17:13
 Extraction Method: 3550B Date Extracted: 04/17/2012 16:33
 Sample wt/vol: 10.9274(g) Date Analyzed: 04/19/2012 01:35
 Con. Extract Vol.: 10 (mL) Dilution Factor: 1
 Injection Volume: 1 (uL) GC Column: ZB-1HT ID: 0.25 (mm)
 % Moisture: 25.4 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 109531 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00163	#2 Diesel (C10-C24)	9.3	J	31	7.0
STL00299	Motor Oil (>C24-C36)	140	B	61	11

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	90		50-150

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
SDG No.: _____
Client Sample ID: MW-08-040612 Lab Sample ID: 580-32287-17
Matrix: Water Lab File ID: ZZ17635.D
Analysis Method: NWTPH-Dx Date Collected: 04/06/2012 16:15
Extraction Method: 3520C Date Extracted: 04/17/2012 08:40
Sample wt/vol: 1040 (mL) Date Analyzed: 04/19/2012 16:06
Con. Extract Vol.: 5 (mL) Dilution Factor: 1
Injection Volume: 1 (uL) GC Column: ZB-1HT ID: 0.25 (mm)
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 109638 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00163	#2 Diesel (C10-C24)	0.34	Y	0.12	0.070
STL00299	Motor Oil (>C24-C36)	0.39	Y	0.24	0.046

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	82		50-150

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
 SDG No.: _____
 Client Sample ID: IDW-02-040612 Lab Sample ID: 580-32287-18
 Matrix: Water Lab File ID: ZZ17637.D
 Analysis Method: NWTPH-Dx Date Collected: 04/06/2012 17:17
 Extraction Method: 3520C Date Extracted: 04/17/2012 08:40
 Sample wt/vol: 1040 (mL) Date Analyzed: 04/19/2012 16:28
 Con. Extract Vol.: 5 (mL) Dilution Factor: 1
 Injection Volume: 1 (uL) GC Column: ZB-1HT ID: 0.25 (mm)
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 109638 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00163	#2 Diesel (C10-C24)	1.6	Y	0.12	0.070
STL00299	Motor Oil (>C24-C36)	2.8	Y	0.24	0.046

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	86		50-150

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Seattle Job No.: 580-32287-1 Analy Batch No.: 108277

SDG No.: _____

Instrument ID: TAC017 GC Column: ZB-1HT ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/30/2012 14:23 Calibration End Date: 03/30/2012 16:34 Calibration ID: 10628

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 580-108277/2	ZZ16925.D
Level 2	IC 580-108277/3	ZZ16927.D
Level 3	IC 580-108277/4	ZZ16929.D
Level 4	ICRT 580-108277/5	ZZ16931.D
Level 5	IC 580-108277/6	ZZ16933.D
Level 6	IC 580-108277/7	ZZ16935.D
Level 7	IC 580-108277/8	ZZ16937.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6	LVL 7				RT WINDOW	AVG RT
#2 Diesel (C10-C24)	4.158	4.158	4.158	4.158	4.158	4.158	4.158				1.925 - 6.390	4.158
#2 Diesel (>C12-C24)	4.575	4.575	4.575	4.575	4.575	4.575	4.575				2.760 - 6.390	4.575
Motor Oil (>C24-C32)	+++++	7.221	7.221	7.221	7.221	7.221	7.221				6.390 - 8.052	7.221
Motor Oil (>C24-C36)	+++++	7.593	7.593	7.593	7.593	7.593	7.593				6.390 - 8.795	7.593
4-Bromofluorobenzene (Surr)	1.606	1.605	1.603	1.601	1.601	1.605	1.612				1.556 - 1.656	1.605
o-Terphenyl	4.953	4.950	4.951	4.956	4.962	4.992	5.024				4.923 - 4.983	4.970
n-Triacontane-d62	+++++	7.467	7.467	7.473	7.479	7.516	7.550				7.421 - 7.521	7.489

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Seattle Job No.: 580-32287-1 Analy Batch No.: 108277

SDG No.: _____

Instrument ID: TAC017 GC Column: ZB-1HT ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/30/2012 14:23 Calibration End Date: 03/30/2012 16:34 Calibration ID: 10628

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 580-108277/2	ZZ16925.D
Level 2	IC 580-108277/3	ZZ16927.D
Level 3	IC 580-108277/4	ZZ16929.D
Level 4	ICRT 580-108277/5	ZZ16931.D
Level 5	IC 580-108277/6	ZZ16933.D
Level 6	IC 580-108277/7	ZZ16935.D
Level 7	IC 580-108277/8	ZZ16937.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3 LVL 7	LVL 4		B	M1	M2								
#2 Diesel (C10-C24)	167921 141623	151640 135078	149357 142746	145047	Lin2	545148.275	141142.936							0.9990		0.9900
#2 Diesel (>C12-C24)	145137 122070	130760 116547	128660 123376	124984	Lin2	475255.447	121706.408							0.9990		0.9900
Motor Oil (>C24-C32)	++++ 48449	30489 44648	40215 45498	49488	Lin2	-822622.27	47696.8562							0.9970		0.9900
Motor Oil (>C24-C36)	++++ 78052	42375 72420	54317 73837	78169	Lin2	-1775153.2	76380.4221							0.9960		0.9900
4-Bromofluorobenzene (Surr)	70931 73193	71069 71210	70902 74552	75418	Ave		72468.0632			15.00	2.6		15.0			
o-Terphenyl	170466 155182	164470 140933	166588 148973	162545	Lin2	16216.8027	153705.816							0.9970		0.9900
n-Triacontane-d62	++++ 121871	47825 112052	87229 114369	125413	Lin2	-149124.70	121273.979							0.9950		0.9900

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Seattle Job No.: 580-32287-1 Analy Batch No.: 108277

SDG No.: _____

Instrument ID: TAC017 GC Column: ZB-1HT ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/30/2012 14:23 Calibration End Date: 03/30/2012 16:34 Calibration ID: 10628

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 580-108277/2	ZZ16925.D
Level 2	IC 580-108277/3	ZZ16927.D
Level 3	IC 580-108277/4	ZZ16929.D
Level 4	ICRT 580-108277/5	ZZ16931.D
Level 5	IC 580-108277/6	ZZ16933.D
Level 6	IC 580-108277/7	ZZ16935.D
Level 7	IC 580-108277/8	ZZ16937.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
#2 Diesel (C10-C24)	Lin2	3358411 675390733	7581993 1427455649	14935721	72523679	141622716	20.0 5000	50.0 10000	100	500	1000
#2 Diesel (>C12-C24)	Lin2	2902730 582734489	6538009 1233762642	12865965	62491961	122070221	20.0 5000	50.0 10000	100	500	1000
Motor Oil (>C24-C32)	Lin2	+++++ 223240218	1524461 454981570	4021503	24744223	48448919	+++++ 5000	50.0 10000	100	500	1000
Motor Oil (>C24-C36)	Lin2	+++++ 362101885	2118755 738367277	5431676	39084307	78052352	+++++ 5000	50.0 10000	100	500	1000
4-Bromofluorobenzene (Surr)	Ave	55752 13992833	139651 29298986	278645	1481968	2876493	0.786 197	1.97 393	3.93	19.7	39.3
o-Terphenyl	Lin2	138657 28658624	334450 60587207	677512	3305344	6311265	0.813 203	2.03 407	4.07	20.3	40.7
n-Triacontane-d62	Lin2	+++++ 23402157	99882 47771947	364354	2619244	5090538	+++++ 209	2.09 418	4.18	20.9	41.8

Curve Type Legend:

Ave = Average
Lin2 = Linear 1/conc^2

FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
 SDG No.: _____
 Lab Sample ID: ICV 580-108277/9 Calibration Date: 03/30/2012 16:57
 Instrument ID: TAC017 Calib Start Date: 03/30/2012 14:23
 GC Column: ZB-1HT ID: 0.25 (mm) Calib End Date: 03/30/2012 16:34
 Lab File ID: ZZ16939.D Conc. Units: mg/Kg

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
#2 Diesel (C10-C24)	Lin2		147525		519	500	3.7	15.0
#2 Diesel (>C12-C24)	Lin2		130625		533	500	6.5	15.0
Motor Oil (>C24-C32)	Lin2		56962		614	500	22.9*	15.0
Motor Oil (>C24-C36)	Lin2		84269		575	500	15.0	15.0
4-Bromofluorobenzene (Surr)	Ave	72468	78799		21.4	19.7	8.7	15.0
o-Terphenyl	Lin2		163974		21.6	20.3	6.2	15.0
n-Triacontane-d62	Lin2		131058		23.8	20.9	14.0	

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
SDG No.: _____
Lab Sample ID: ICV 580-108277/9 Calibration Date: 03/30/2012 16:57
Instrument ID: TAC017 Calib Start Date: 03/30/2012 14:23
GC Column: ZB-1HT ID: 0.25 (mm) Calib End Date: 03/30/2012 16:34
Lab File ID: ZZ16939.D

Analyte	RT	RT WINDOW	
		TO	FROM
#2 Diesel (C10-C24)	4.16	1.93	6.39
#2 Diesel (>C12-C24)	4.58	2.76	6.39
Motor Oil (>C24-C32)	7.22	6.39	8.05
Motor Oil (>C24-C36)	7.59	6.39	8.80
4-Bromofluorobenzene (Surr)	1.60	1.56	1.66
o-Terphenyl	4.96	4.98	5.04
n-Triacontane-d62	7.47	7.50	7.60

FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
SDG No.: _____
Lab Sample ID: CCVRT 580-109531/2 Calibration Date: 04/18/2012 17:18
Instrument ID: TAC017 Calib Start Date: 03/30/2012 14:23
GC Column: ZB-1HT ID: 0.25 (mm) Calib End Date: 03/30/2012 16:34
Lab File ID: ZZ17542.D Conc. Units: mg/Kg

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
#2 Diesel (C10-C24)	Lin2		144681		509	500	1.7	15.0
Motor Oil (>C24-C36)	Lin2		79707		544	500	8.8	15.0
o-Terphenyl	Lin2		158572		20.4	20.3	0.0	15.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
SDG No.: _____
Lab Sample ID: CCVRT 580-109531/2 Calibration Date: 04/18/2012 17:18
Instrument ID: TAC017 Calib Start Date: 03/30/2012 14:23
GC Column: ZB-1HT ID: 0.25 (mm) Calib End Date: 03/30/2012 16:34
Lab File ID: ZZ17542.D

Analyte	RT	RT WINDOW	
		TO	FROM
#2 Diesel (C10-C24)	4.15	1.91	6.38
Motor Oil (>C24-C36)	7.59	6.38	8.80
o-Terphenyl	4.95	4.92	4.98

FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
SDG No.: _____
Lab Sample ID: CCV 580-109531/5 Calibration Date: 04/18/2012 18:24
Instrument ID: TAC017 Calib Start Date: 03/30/2012 14:23
GC Column: ZB-1HT ID: 0.25 (mm) Calib End Date: 03/30/2012 16:34
Lab File ID: ZZ17548.D Conc. Units: mg/Kg

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
#2 Diesel (C10-C24)	Lin2		144419		508	500	1.5	15.0
Motor Oil (>C24-C36)	Lin2		79910		545	500	9.0	15.0
o-Terphenyl	Lin2		160026		20.5	20.3	1.0	15.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
SDG No.: _____
Lab Sample ID: CCV 580-109531/5 Calibration Date: 04/18/2012 18:24
Instrument ID: TAC017 Calib Start Date: 03/30/2012 14:23
GC Column: ZB-1HT ID: 0.25 (mm) Calib End Date: 03/30/2012 16:34
Lab File ID: ZZ17548.D

Analyte	RT	RT WINDOW	
		TO	FROM
#2 Diesel (C10-C24)	4.15	1.91	6.38
Motor Oil (>C24-C36)	7.59	6.38	8.80
o-Terphenyl	4.95	4.92	4.98

FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
SDG No.: _____
Lab Sample ID: CCV 580-109531/16 Calibration Date: 04/18/2012 22:23
Instrument ID: TAC017 Calib Start Date: 03/30/2012 14:23
GC Column: ZB-1HT ID: 0.25 (mm) Calib End Date: 03/30/2012 16:34
Lab File ID: ZZ17570.D Conc. Units: mg/Kg

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
#2 Diesel (C10-C24)	Lin2		142330		500	500	0.0	15.0
Motor Oil (>C24-C36)	Lin2		79085		540	500	7.9	15.0
o-Terphenyl	Lin2		154375		19.8	20.3	-2.6	15.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
SDG No.: _____
Lab Sample ID: CCV 580-109531/16 Calibration Date: 04/18/2012 22:23
Instrument ID: TAC017 Calib Start Date: 03/30/2012 14:23
GC Column: ZB-1HT ID: 0.25 (mm) Calib End Date: 03/30/2012 16:34
Lab File ID: ZZ17570.D

Analyte	RT	RT WINDOW	
		TO	FROM
#2 Diesel (C10-C24)	4.15	1.91	6.38
Motor Oil (>C24-C36)	7.59	6.38	8.80
o-Terphenyl	4.94	4.92	4.98

FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
SDG No.: _____
Lab Sample ID: CCV 580-109531/28 Calibration Date: 04/19/2012 02:38
Instrument ID: TAC017 Calib Start Date: 03/30/2012 14:23
GC Column: ZB-1HT ID: 0.25 (mm) Calib End Date: 03/30/2012 16:34
Lab File ID: ZZ17594.D Conc. Units: mg/Kg

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
#2 Diesel (C10-C24)	Lin2		144947		510	500	1.9	15.0
Motor Oil (>C24-C36)	Lin2		80512		549	500	9.8	15.0
o-Terphenyl	Lin2		155688		20.0	20.3	-1.7	15.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
SDG No.: _____
Lab Sample ID: CCV 580-109531/28 Calibration Date: 04/19/2012 02:38
Instrument ID: TAC017 Calib Start Date: 03/30/2012 14:23
GC Column: ZB-1HT ID: 0.25 (mm) Calib End Date: 03/30/2012 16:34
Lab File ID: ZZ17594.D

Analyte	RT	RT WINDOW	
		TO	FROM
#2 Diesel (C10-C24)	4.15	1.91	6.38
Motor Oil (>C24-C36)	7.59	6.38	8.80
o-Terphenyl	4.94	4.92	4.98

FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
SDG No.: _____
Lab Sample ID: CCVRT 580-109638/2 Calibration Date: 04/19/2012 08:57
Instrument ID: TAC017 Calib Start Date: 03/30/2012 14:23
GC Column: ZB-1HT ID: 0.25 (mm) Calib End Date: 03/30/2012 16:34
Lab File ID: ZZ17599.D Conc. Units: mg/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
#2 Diesel (C10-C24)	Lin2		142020		499	500	-0.2	
Motor Oil (>C24-C36)	Lin2		78678		537	500	7.4	
o-Terphenyl	Lin2		160597		20.6	20.3	1.3	

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
SDG No.: _____
Lab Sample ID: CCVRT 580-109638/2 Calibration Date: 04/19/2012 08:57
Instrument ID: TAC017 Calib Start Date: 03/30/2012 14:23
GC Column: ZB-1HT ID: 0.25 (mm) Calib End Date: 03/30/2012 16:34
Lab File ID: ZZ17599.D

Analyte	RT	RT WINDOW	
		TO	FROM
#2 Diesel (C10-C24)	4.14	1.90	6.39
Motor Oil (>C24-C36)	7.60	6.39	8.81
o-Terphenyl	4.95	4.92	4.98

FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
SDG No.: _____
Lab Sample ID: CCV 580-109638/96 Calibration Date: 04/19/2012 14:16
Instrument ID: TAC017 Calib Start Date: 03/30/2012 14:23
GC Column: ZB-1HT ID: 0.25 (mm) Calib End Date: 03/30/2012 16:34
Lab File ID: ZZ17625.D Conc. Units: mg/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
#2 Diesel (C10-C24)	Lin2		142666		502	500	0.3	
Motor Oil (>C24-C36)	Lin2		76998		526	500	5.2	
o-Terphenyl	Lin2		158514		20.3	20.3	-0.2	

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
SDG No.: _____
Lab Sample ID: CCV 580-109638/96 Calibration Date: 04/19/2012 14:16
Instrument ID: TAC017 Calib Start Date: 03/30/2012 14:23
GC Column: ZB-1HT ID: 0.25 (mm) Calib End Date: 03/30/2012 16:34
Lab File ID: ZZ17625.D

Analyte	RT	RT WINDOW	
		TO	FROM
#2 Diesel (C10-C24)	4.14	1.90	6.39
Motor Oil (>C24-C36)	7.60	6.39	8.81
o-Terphenyl	4.95	4.92	4.98

FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
SDG No.: _____
Lab Sample ID: CCV 580-109638/49 Calibration Date: 04/19/2012 18:38
Instrument ID: TAC017 Calib Start Date: 03/30/2012 14:23
GC Column: ZB-1HT ID: 0.25 (mm) Calib End Date: 03/30/2012 16:34
Lab File ID: ZZ17649.D Conc. Units: mg/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
#2 Diesel (C10-C24)	Lin2		143695		505	500	1.0	
Motor Oil (>C24-C36)	Lin2		79625		543	500	8.7	
o-Terphenyl	Lin2		156064		20.0	20.3	-1.6	

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
SDG No.: _____
Lab Sample ID: CCV 580-109638/49 Calibration Date: 04/19/2012 18:38
Instrument ID: TAC017 Calib Start Date: 03/30/2012 14:23
GC Column: ZB-1HT ID: 0.25 (mm) Calib End Date: 03/30/2012 16:34
Lab File ID: ZZ17649.D

Analyte	RT	RT WINDOW	
		TO	FROM
#2 Diesel (C10-C24)	4.14	1.90	6.39
Motor Oil (>C24-C36)	7.60	6.39	8.81
o-Terphenyl	4.95	4.92	4.98

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: MB 580-109428/1-A
Matrix: Water Lab File ID: ZZ17629.D
Analysis Method: NWTPH-Dx Date Collected: _____
Extraction Method: 3520C Date Extracted: 04/17/2012 08:39
Sample wt/vol: 1000 (mL) Date Analyzed: 04/19/2012 15:00
Con. Extract Vol.: 5 (mL) Dilution Factor: 1
Injection Volume: 1 (uL) GC Column: ZB-1HT ID: 0.25 (mm)
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 109638 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00163	#2 Diesel (C10-C24)	ND		0.13	0.073
STL00299	Motor Oil (>C24-C36)	ND		0.25	0.048

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	208	X	50-150

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 580-109518/1-A
 Matrix: Solid Lab File ID: ZZ17550.D
 Analysis Method: NWTPH-Dx Date Collected: _____
 Extraction Method: 3550B Date Extracted: 04/17/2012 16:32
 Sample wt/vol: 10(g) Date Analyzed: 04/18/2012 18:46
 Con. Extract Vol.: 10(mL) Dilution Factor: 1
 Injection Volume: 1(uL) GC Column: ZB-1HT ID: 0.25(mm)
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 109531 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00163	#2 Diesel (C10-C24)	ND		25	5.7
STL00299	Motor Oil (>C24-C36)	29.7	J	50	9.1

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	92		50-150

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: CCB 580-109531/17
 Matrix: Solid Lab File ID: ZZ17572.D
 Analysis Method: NWTPH-Dx Date Collected: _____
 Extraction Method: _____ Date Extracted: _____
 Sample wt/vol: 1(mL) Date Analyzed: 04/18/2012 22:44
 Con. Extract Vol.: 1.0(mL) Dilution Factor: 1
 Injection Volume: 1(uL) GC Column: ZB-1HT ID: 0.25(mm)
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 109531 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00163	#2 Diesel (C10-C24)	ND		25	6.0
STL00299	Motor Oil (>C24-C36)	29.8	J	50	6.0

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	91		50-150

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: LCS 580-109428/2-A
Matrix: Water Lab File ID: ZZ17631.D
Analysis Method: NWTPH-Dx Date Collected: _____
Extraction Method: 3520C Date Extracted: 04/17/2012 08:39
Sample wt/vol: 1000 (mL) Date Analyzed: 04/19/2012 15:22
Con. Extract Vol.: 5 (mL) Dilution Factor: 1
Injection Volume: 1 (uL) GC Column: ZB-1HT ID: 0.25 (mm)
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 109638 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00163	#2 Diesel (C10-C24)	4.89		0.13	0.073
STL00299	Motor Oil (>C24-C36)	5.18		0.25	0.048

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	89		50-150

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: LCS 580-109518/2-A
Matrix: Solid Lab File ID: ZZ17552.D
Analysis Method: NWTPH-Dx Date Collected: _____
Extraction Method: 3550B Date Extracted: 04/17/2012 16:32
Sample wt/vol: 10(g) Date Analyzed: 04/18/2012 19:08
Con. Extract Vol.: 10(mL) Dilution Factor: 1
Injection Volume: 1(uL) GC Column: ZB-1HT ID: 0.25(mm)
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 109531 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00163	#2 Diesel (C10-C24)	489		25	5.7
STL00299	Motor Oil (>C24-C36)	521		50	9.1

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	93		50-150

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: LCSD 580-109428/3-A
Matrix: Water Lab File ID: ZZ17633.D
Analysis Method: NWTPH-Dx Date Collected: _____
Extraction Method: 3520C Date Extracted: 04/17/2012 08:39
Sample wt/vol: 1000 (mL) Date Analyzed: 04/19/2012 15:44
Con. Extract Vol.: 5 (mL) Dilution Factor: 1
Injection Volume: 1 (uL) GC Column: ZB-1HT ID: 0.25 (mm)
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 109638 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00163	#2 Diesel (C10-C24)	4.78		0.13	0.073
STL00299	Motor Oil (>C24-C36)	5.16		0.25	0.048

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	87		50-150

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
 SDG No.: _____
 Client Sample ID: YK-SB-21(4.5-5.0) DU Lab Sample ID: 580-32287-3 DU
 Matrix: Solid Lab File ID: ZZ17590.D
 Analysis Method: NWTPH-Dx Date Collected: 04/04/2012 16:17
 Extraction Method: 3550B Date Extracted: 04/17/2012 16:33
 Sample wt/vol: 10.2427(g) Date Analyzed: 04/19/2012 01:56
 Con. Extract Vol.: 10 (mL) Dilution Factor: 1
 Injection Volume: 1 (uL) GC Column: ZB-1HT ID: 0.25 (mm)
 % Moisture: 5.5 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 109531 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00163	#2 Diesel (C10-C24)	8.54	J	26	5.9
STL00299	Motor Oil (>C24-C36)	152		52	9.4

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	89		50-150

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Seattle Job No.: 580-32287-1
 SDG No.: _____
 Client Sample ID: YK-SB-20(4.0-4.7) DU Lab Sample ID: 580-32287-7 DU
 Matrix: Solid Lab File ID: ZZ17592.D
 Analysis Method: NWTPH-Dx Date Collected: 04/05/2012 10:37
 Extraction Method: 3550B Date Extracted: 04/17/2012 16:33
 Sample wt/vol: 10.2406(g) Date Analyzed: 04/19/2012 02:17
 Con. Extract Vol.: 10 (mL) Dilution Factor: 1
 Injection Volume: 1 (uL) GC Column: ZB-1HT ID: 0.25 (mm)
 % Moisture: 27.2 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 109531 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00163	#2 Diesel (C10-C24)	ND		34	7.6
STL00299	Motor Oil (>C24-C36)	42.5	J	67	12

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	90		50-150

GC SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Seattle Job No.: 580-32287-1

SDG No.: _____

Instrument ID: TAC017 Start Date: 03/30/2012 07:56Analysis Batch Number: 108277 End Date: 03/30/2012 16:57

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		03/30/2012 07:56	1		ZB-1HT 0.25 (mm)
IC 580-108277/2		03/30/2012 14:23	1	ZZ16925.D	ZB-1HT 0.25 (mm)
IC 580-108277/3		03/30/2012 14:44	1	ZZ16927.D	ZB-1HT 0.25 (mm)
IC 580-108277/4		03/30/2012 15:06	1	ZZ16929.D	ZB-1HT 0.25 (mm)
ICRT 580-108277/5		03/30/2012 15:28	1	ZZ16931.D	ZB-1HT 0.25 (mm)
IC 580-108277/6		03/30/2012 15:51	1	ZZ16933.D	ZB-1HT 0.25 (mm)
IC 580-108277/7		03/30/2012 16:12	1	ZZ16935.D	ZB-1HT 0.25 (mm)
IC 580-108277/8		03/30/2012 16:34	1	ZZ16937.D	ZB-1HT 0.25 (mm)
ICV 580-108277/9		03/30/2012 16:57	1	ZZ16939.D	ZB-1HT 0.25 (mm)

GC SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Seattle Job No.: 580-32287-1

SDG No.: _____

Instrument ID: TAC017 Start Date: 04/18/2012 16:56Analysis Batch Number: 109531 End Date: 04/19/2012 23:49

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		04/18/2012 16:56	1		ZB-1HT 0.25 (mm)
CCVRT 580-109531/2		04/18/2012 17:18	1	ZZ17542.D	ZB-1HT 0.25 (mm)
CCB 580-109531/3		04/18/2012 17:40	1		ZB-1HT 0.25 (mm)
ZZZZZ		04/18/2012 18:02	1		ZB-1HT 0.25 (mm)
CCV 580-109531/5		04/18/2012 18:24	1	ZZ17548.D	ZB-1HT 0.25 (mm)
MB 580-109518/1-A		04/18/2012 18:46	1	ZZ17550.D	ZB-1HT 0.25 (mm)
LCS 580-109518/2-A		04/18/2012 19:08	1	ZZ17552.D	ZB-1HT 0.25 (mm)
580-32287-1	YK-MW-08 (11.45-12.2)	04/18/2012 19:29	1	ZZ17554.D	ZB-1HT 0.25 (mm)
580-32287-2	YK-MW-08 (4.2-5.0)	04/18/2012 19:51	1	ZZ17556.D	ZB-1HT 0.25 (mm)
580-32287-3	YK-SB-21 (4.5-5.0)	04/18/2012 20:13	1	ZZ17558.D	ZB-1HT 0.25 (mm)
580-32287-4	YK-SB-21 (9.8-10.0)	04/18/2012 20:34	1	ZZ17560.D	ZB-1HT 0.25 (mm)
580-32287-5	YK-SB-19 (3.3-4.3)	04/18/2012 20:56	1	ZZ17562.D	ZB-1HT 0.25 (mm)
580-32287-6	YK-SB-19 (9.0-10.0)	04/18/2012 21:18	1	ZZ17564.D	ZB-1HT 0.25 (mm)
580-32287-7	YK-SB-20 (4.0-4.7)	04/18/2012 21:39	1	ZZ17566.D	ZB-1HT 0.25 (mm)
580-32287-8	YK-SB-20 (5.2-6.5)	04/18/2012 22:01	1	ZZ17568.D	ZB-1HT 0.25 (mm)
CCV 580-109531/16		04/18/2012 22:23	1	ZZ17570.D	ZB-1HT 0.25 (mm)
CCB 580-109531/17		04/18/2012 22:44	1	ZZ17572.D	ZB-1HT 0.25 (mm)
580-32287-12	YK-SB-23 (3.0-3.5)	04/19/2012 00:10	1	ZZ17580.D	ZB-1HT 0.25 (mm)
580-32287-13	YK-SB-23 (6.5-7.0)	04/19/2012 00:32	1	ZZ17582.D	ZB-1HT 0.25 (mm)
580-32287-14	YK-SB-24 (3.0-3.3)	04/19/2012 00:53	1	ZZ17584.D	ZB-1HT 0.25 (mm)
580-32287-15	YK-SB-24 (6.5-6.8)	04/19/2012 01:14	1	ZZ17586.D	ZB-1HT 0.25 (mm)
580-32287-16	IDW-01-040612	04/19/2012 01:35	1	ZZ17588.D	ZB-1HT 0.25 (mm)
580-32287-3 DU	YK-SB-21 (4.5-5.0) DU	04/19/2012 01:56	1	ZZ17590.D	ZB-1HT 0.25 (mm)
580-32287-7 DU	YK-SB-20 (4.0-4.7) DU	04/19/2012 02:17	1	ZZ17592.D	ZB-1HT 0.25 (mm)
CCV 580-109531/28		04/19/2012 02:38	1	ZZ17594.D	ZB-1HT 0.25 (mm)
580-32287-9	YK-SB-20 (5.2-6.5) Dup	04/19/2012 23:06	1	ZZ17574.D	ZB-1HT 0.25 (mm)
580-32287-10	YK-SB-22 (6.9-7.1)	04/19/2012 23:27	1	ZZ17576.D	ZB-1HT 0.25 (mm)
580-32287-11	YK-SB-22 (3.0-3.3)	04/19/2012 23:49	1	ZZ17578.D	ZB-1HT 0.25 (mm)

GC SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica SeattleJob No.: 580-32287-1

SDG No.: _____

Instrument ID: TAC017Start Date: 04/19/2012 08:35Analysis Batch Number: 109638End Date: 04/20/2012 23:59

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		04/19/2012 08:35	1		ZB-1HT 0.25 (mm)
CCVRT 580-109638/2		04/19/2012 08:57	1	ZZ17599.D	ZB-1HT 0.25 (mm)
CCV 580-109638/29		04/19/2012 09:19	1		ZB-1HT 0.25 (mm)
ZZZZZ		04/19/2012 10:06	1		ZB-1HT 0.25 (mm)
ZZZZZ		04/19/2012 10:28	1		ZB-1HT 0.25 (mm)
ZZZZZ		04/19/2012 10:50	1		ZB-1HT 0.25 (mm)
ZZZZZ		04/19/2012 11:12	1		ZB-1HT 0.25 (mm)
ZZZZZ		04/19/2012 11:34	1		ZB-1HT 0.25 (mm)
ZZZZZ		04/19/2012 11:56	1		ZB-1HT 0.25 (mm)
ZZZZZ		04/19/2012 12:19	1		ZB-1HT 0.25 (mm)
CCV 580-109638/37		04/19/2012 12:47	1		ZB-1HT 0.25 (mm)
CCV 580-109638/38		04/19/2012 13:09	1		ZB-1HT 0.25 (mm)
CCB 580-109638/94		04/19/2012 13:31	1		ZB-1HT 0.25 (mm)
ZZZZZ		04/19/2012 13:54	5		ZB-1HT 0.25 (mm)
CCV 580-109638/96		04/19/2012 14:16	1	ZZ17625.D	ZB-1HT 0.25 (mm)
CCV 580-109638/97		04/19/2012 14:38	1		ZB-1HT 0.25 (mm)
MB 580-109428/1-A		04/19/2012 15:00	1	ZZ17629.D	ZB-1HT 0.25 (mm)
LCS 580-109428/2-A		04/19/2012 15:22	1	ZZ17631.D	ZB-1HT 0.25 (mm)
LCSD 580-109428/3-A		04/19/2012 15:44	1	ZZ17633.D	ZB-1HT 0.25 (mm)
580-32287-17	MW-08-040612	04/19/2012 16:06	1	ZZ17635.D	ZB-1HT 0.25 (mm)
580-32287-18	IDW-02-040612	04/19/2012 16:28	1	ZZ17637.D	ZB-1HT 0.25 (mm)
ZZZZZ		04/19/2012 16:50	1		ZB-1HT 0.25 (mm)
ZZZZZ		04/19/2012 17:11	1		ZB-1HT 0.25 (mm)
ZZZZZ		04/19/2012 17:34	1		ZB-1HT 0.25 (mm)
ZZZZZ		04/19/2012 17:55	1		ZB-1HT 0.25 (mm)
ZZZZZ		04/19/2012 18:17	1		ZB-1HT 0.25 (mm)
CCV 580-109638/49		04/19/2012 18:38	1	ZZ17649.D	ZB-1HT 0.25 (mm)
CCB 580-109638/50		04/19/2012 19:00	1		ZB-1HT 0.25 (mm)
ZZZZZ		04/19/2012 19:21	1		ZB-1HT 0.25 (mm)
ZZZZZ		04/19/2012 19:43	1		ZB-1HT 0.25 (mm)
ZZZZZ		04/19/2012 20:04	1		ZB-1HT 0.25 (mm)
ZZZZZ		04/19/2012 20:26	1		ZB-1HT 0.25 (mm)
ZZZZZ		04/19/2012 20:47	1		ZB-1HT 0.25 (mm)
ZZZZZ		04/19/2012 21:08	1		ZB-1HT 0.25 (mm)
ZZZZZ		04/19/2012 21:30	1		ZB-1HT 0.25 (mm)
ZZZZZ		04/19/2012 21:51	1		ZB-1HT 0.25 (mm)
ZZZZZ		04/19/2012 22:12	1		ZB-1HT 0.25 (mm)
ZZZZZ		04/19/2012 22:34	1		ZB-1HT 0.25 (mm)
CCV 580-109638/61		04/19/2012 22:55	1		ZB-1HT 0.25 (mm)
CCV 580-109638/93		04/20/2012 10:20	1		ZB-1HT 0.25 (mm)
CCB 580-109638/62		04/20/2012 23:16	1		ZB-1HT 0.25 (mm)
ZZZZZ		04/20/2012 23:38	1		ZB-1HT 0.25 (mm)
CCV 580-109638/64		04/20/2012 23:59	1		ZB-1HT 0.25 (mm)

GC SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Seattle Job No.: 580-32287-1

SDG No.: _____

Batch Number: 109428 Batch Start Date: 04/17/12 08:39 Batch Analyst: DeMonnin, RobertBatch Method: 3520C Batch End Date: 04/18/12 15:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	Initial pH	InitialAmount	FinalAmount	FirstAdjustpH	TPH Spike_RZ 00013	TPH_SURR 00010
MB 580-109428/1		3520C, NWTPH-Dx		6	1000 mL	5 mL	<2		100 uL
LCS 580-109428/2		3520C, NWTPH-Dx		6	1000 mL	5 mL	<2	100 uL	100 uL
LCSD 580-109428/3		3520C, NWTPH-Dx		6	1000 mL	5 mL	<2	100 uL	100 uL
580-32287-C-17	MW-08-040612	3520C, NWTPH-Dx	T	<2	1040 mL	5 mL			100 uL
580-32287-C-18	IDW-02-040612	3520C, NWTPH-Dx	T	<2	1040 mL	5 mL			100 uL

Batch Notes	
Acid used for pH adjustment	H2SO4
Acid used for pH adjust Lot #	867004
Person's name who did the concentration	Bob
Filter Paper Lot Number	781559
Time the first extraction ended 24hr	4-18-12@0800
Time the first extraction started 24 hr	4-17-12@1400
N-evap #	TAC001
N-evap temperature	29.5 Celsius
Na2SO4 Lot Number	832170
Prep Solvent Lot #	884207
Prep Solvent Name	DCM
Prep Solvent Volume Used	220 mL
Person's name who did the prep	Bob
Sufficient volume for MS/MSD?	no
ID number of the thermometer	15-041-1a-3
Uncorrected N-evap Temperature	30.0 Celsius
Uncorrected Temperature	70-75 Celsius
Water Bath ID	tac603
Water Bath Temperature	69-74 Celsius

Basis	Basis Description
T	Total/NA

NWTPH-Dx

Page 1 of 1

GC SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Seattle Job No.: 580-32287-1

SDG No.: _____

Batch Number: 109518 Batch Start Date: 04/17/12 16:32 Batch Analyst: Palmer, SonyaBatch Method: 3550B Batch End Date: 04/18/12 15:22

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	TPH Spike_RZ 00014	TPH_SURR 00010		
MB 580-109518/1		3550B, NWTPH-Dx		10 g	10 mL		100 uL		
LCS 580-109518/2		3550B, NWTPH-Dx		10 g	10 mL	100 uL	100 uL		
580-32287-A-1	YK-MW-08 (11.45-1 2.2)	3550B, NWTPH-Dx	T	10.5012 g	10 mL		100 uL		
580-32287-A-2	YK-MW-08 (4.2-5.0)	3550B, NWTPH-Dx	T	10.3949 g	10 mL		100 uL		
580-32287-A-3	YK-SB-21 (4.5-5.0)	3550B, NWTPH-Dx	T	10.0311 g	10 mL		100 uL		
580-32287-A-4	YK-SB-21 (9.8-10. 0)	3550B, NWTPH-Dx	T	10.2108 g	10 mL		100 uL		
580-32287-A-5	YK-SB-19 (3.3-4.3)	3550B, NWTPH-Dx	T	10.8364 g	10 mL		100 uL		
580-32287-A-6	YK-SB-19 (9.0-10. 0)	3550B, NWTPH-Dx	T	10.2569 g	10 mL		100 uL		
580-32287-A-7	YK-SB-20 (4.0-4.7)	3550B, NWTPH-Dx	T	10.3577 g	10 mL		100 uL		
580-32287-A-8	YK-SB-20 (5.2-6.5)	3550B, NWTPH-Dx	T	10.2536 g	10 mL		100 uL		
580-32287-A-9	YK-SB-20 (5.2-6.5) Dup	3550B, NWTPH-Dx	T	10.7520 g	10 mL		100 uL		
580-32287-A-10	YK-SB-22 (6.9-7.1)	3550B, NWTPH-Dx	T	10.8428 g	10 mL		100 uL		
580-32287-A-11	YK-SB-22 (3.0-3.3)	3550B, NWTPH-Dx	T	10.5859 g	10 mL		100 uL		
580-32287-A-12	YK-SB-23 (3.0-3.5)	3550B, NWTPH-Dx	T	10.3093 g	10 mL		100 uL		
580-32287-A-13	YK-SB-23 (6.5-7.0)	3550B, NWTPH-Dx	T	10.3087 g	10 mL		100 uL		
580-32287-A-14	YK-SB-24 (3.0-3.3)	3550B, NWTPH-Dx	T	10.0871 g	10 mL		100 uL		
580-32287-A-15	YK-SB-24 (6.5-6.8)	3550B, NWTPH-Dx	T	10.4733 g	10 mL		100 uL		
580-32287-A-16	IDW-01-040612	3550B, NWTPH-Dx	T	10.9274 g	10 mL		100 uL		
580-32287-A-3 DU	YK-SB-21 (4.5-5.0)	3550B, NWTPH-Dx	T	10.2427 g	10 mL		100 uL		
580-32287-A-7 DU	YK-SB-20 (4.0-4.7)	3550B, NWTPH-Dx	T	10.2406 g	10 mL		100 uL		

GC SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Seattle Job No.: 580-32287-1

SDG No.: _____

Batch Number: 109518 Batch Start Date: 04/17/12 16:32 Batch Analyst: Palmer, SonyaBatch Method: 3550B Batch End Date: 04/18/12 15:22

Batch Notes	
Balance ID	SEA222
Blank Soil Lot Number	817693
Person's name who did the concentration	spalmer
Na2SO4 Lot Number	832174
Prep Solvent Lot #	884203
Prep Solvent Name	DCM
Prep Solvent Volume Used	10 (veriiifed volumetrically) mL
Person's name who did the prep	spalmer
ID number of the thermometer	101696187
Uncorrected Temperature	45.1-48.8 Celsius
Vendor of Reagent used	JTB
Water Bath ID	WB1
Water Bath Temperature	45.2-48.9 Celsius

Basis	Basis Description
T	Total/NA

GENERAL CHEMISTRY

COVER PAGE
GENERAL CHEMISTRY

Lab Name: TestAmerica Seattle Job Number: 580-32287-1
SDG No.: _____
Project: Yakima GE Site

Client Sample ID	Lab Sample ID
YK-MW-08 (11.45-12.2)	580-32287-1
YK-MW-08 (4.2-5.0)	580-32287-2
YK-SB-21 (4.5-5.0)	580-32287-3
YK-SB-21 (9.8-10.0)	580-32287-4
YK-SB-19 (3.3-4.3)	580-32287-5
YK-SB-19 (9.0-10.0)	580-32287-6
YK-SB-20 (4.0-4.7)	580-32287-7
YK-SB-20 (5.2-6.5)	580-32287-8
YK-SB-20 (5.2-6.5) Dup	580-32287-9
YK-SB-22 (6.9-7.1)	580-32287-10
YK-SB-22 (3.0-3.3)	580-32287-11
YK-SB-23 (3.0-3.5)	580-32287-12
YK-SB-23 (6.5-7.0)	580-32287-13
YK-SB-24 (3.0-3.3)	580-32287-14
YK-SB-24 (6.5-6.8)	580-32287-15
IDW-01-040612	580-32287-16

Comments:

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Seattle Job Number: 580-32287-1
SDG Number: _____
Matrix: Solid Instrument ID: NOEQUIP
Method: D 2216 RL Date: 01/01/2005 13:13

Analyte	Wavelength/ Mass	RL (%)	
Percent Moisture		0.1	
Percent Solids		0.1	

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Job No.: 580-32287-1

Method: D 2216

End Date: 04/15/2012 12:19

[illegible]

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Seattle Job No.: 580-32287-1

SDG No.: _____

Instrument ID: NOEQUIP Method: D 2216

Start Date: 04/15/2012 12:19 End Date: 04/15/2012 12:19

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				% S o l	M o i s t																
ZZZZZZ			12:19																		
ZZZZZZ			12:19																		
ZZZZZZ			12:19																		
ZZZZZZ			12:19																		

Prep Types

T = Total/NA

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Seattle Job No.: 580-32287-1

SDG No.: _____

Batch Number: 109316 Batch Start Date: 04/15/12 12:19 Batch Analyst: Stearns, RyanBatch Method: D 2216 Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	DishWeight	SampleMassWet	SampleMassDry			
580-32287-A-1	YK-MW-08 (11.45-12.2)	D 2216	T	0.7937 g	6.0994 g	4.8561 g			
580-32287-A-2	YK-MW-08 (4.2-5.0)	D 2216	T	0.8091 g	5.7891 g	5.0644 g			
580-32287-A-3	YK-SB-21 (4.5-5.0)	D 2216	T	0.7835 g	5.8235 g	5.5478 g			
580-32287-A-4	YK-SB-21 (9.8-10.0)	D 2216	T	0.7872 g	7.3486 g	6.6096 g			
580-32287-A-5	YK-SB-19 (3.3-4.3)	D 2216	T	0.7948 g	7.6043 g	7.1013 g			
580-32287-A-6	YK-SB-19 (9.0-10.0)	D 2216	T	0.7932 g	5.5633 g	5.2131 g			
580-32287-A-7	YK-SB-20 (4.0-4.7)	D 2216	T	0.8067 g	5.9316 g	4.5393 g			
580-32287-A-8	YK-SB-20 (5.2-6.5)	D 2216	T	0.7821 g	6.5213 g	5.0382 g			
580-32287-A-9	YK-SB-20 (5.2-6.5)) Dup	D 2216	T	0.7994 g	6.9286 g	5.4009 g			
580-32287-A-10	YK-SB-22 (6.9-7.1)	D 2216	T	0.8015 g	6.8662 g	5.4215 g			
580-32287-A-11	YK-SB-22 (3.0-3.3)	D 2216	T	0.8078 g	6.0154 g	4.5080 g			
580-32287-A-12	YK-SB-23 (3.0-3.5)	D 2216	T	0.8075 g	6.5220 g	4.7487 g			
580-32287-A-13	YK-SB-23 (6.5-7.0)	D 2216	T	0.7986 g	6.5700 g	5.0701 g			
580-32287-A-14	YK-SB-24 (3.0-3.3)	D 2216	T	0.7896 g	6.9090 g	5.1988 g			
580-32287-A-15	YK-SB-24 (6.5-6.8)	D 2216	T	0.7989 g	8.5036 g	6.4903 g			
580-32287-A-16	IDW-01-040612	D 2216	T	0.8222 g	7.4524 g	5.7651 g			

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Seattle Job No.: 580-32287-1

SDG No.: _____

Batch Number: 109316 Batch Start Date: 04/15/12 12:19 Batch Analyst: Stearns, RyanBatch Method: D 2216 Batch End Date: _____

Batch Notes	
Balance ID	SEA218 No Unit
Date samples were placed in the oven	4/15/12
Oven Temp when samples are put in oven	110 Degrees C
Time samples were place in the oven	1300
Date samples were removed from oven	4/15/12
Oven Temp when samples removed from oven	110 Degrees C
Time Samples were removed from oven	1700
Oven ID	TAC306
ID number of the thermometer	3A4823
Uncorrected In Temperature	110 Celsius
Uncorrected Out Temperature	110 Celsius

Basis	Basis Description
T	Total/NA

Shipping and Receiving Documents

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TestAmerica Seattle
5755 8th St E
Tacoma, WA 98424

117

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425-420-9200 FAX 420-9210
509-924-9200 FAX 924-9290
503-906-9200 FAX 906-9210
907-563-9200 FAX 563-9210

05/07/2012

CHAIN OF CUSTODY REPORT

Work Order #: 32287

CLIENT: <u>MWH</u>		INVOICE TO: <u>Meghann.Chell@mwhglobal.com</u>										TURNAROUND REQUEST in Business Days * Organic & Inorganic Analyses ☒ 7 ☐ 5 ☐ 4 ☐ 3 ☐ 2 ☐ 1 ☐ <1 STD. Petrolicum Hydrocarbon Analyses ☐ 5 ☐ 4 ☐ 3 ☐ 2 ☐ 1 ☐ <1 STD. OTHER Specify: _____ * Turnaround Requests less than standard may incur Rush Charges.							
REPORT TO: <u>Meghann.Chell@mwhglobal.com</u> ADDRESS: <u>806 SW Broadway</u> <u>St 200</u> <u>Portland, OR</u> PHONE: <u>503-226-7377</u>		P.O. NUMBER:																	
PROJECT NAME: <u>6E Yakima</u>		PRESERVATIVE NA NA NA										OTHER Specify: _____ * Turnaround Requests less than standard may incur Rush Charges.							
PROJECT NUMBER: <u>10500410.010104</u>		REQUESTED ANALYSES																	
SAMPLED BY: <u>C. Nancarrow</u>																			
CLIENT SAMPLE IDENTIFICATION	SAMPLING DATE/TIME	PCB	3082	NWTPH	-DX	NWTPH	-CPH									MATRIX (W, S, O)	# OF CONT.	LOCATION/ COMMENTS	TA WO ID
1 YK-MW-08(11.45-122)	4.4.12 @ 1511	✓	✓	✓												S	3		-1
2 YK-MW-08(4.2-5.0)	4.4.12 @ 1437	✓	✓	✓												S	3		-2
3 YK-SB-21(4.5-5.0)	4.4.12 @ 1617	✓	✓	✓												S	3		-3
4 YK-SB-21(9.8-10.0)	4.4.12 @ 1639	✓	✓	✓												S	3		-4
5 YK-SB-19(3.3-4.3)	4.5.12 @ 0913	✓	✓	✓												S	3		-5
6 YK-SB-19(9.0-10.0)	4.5.12 @ 0929	✓	✓	✓												S	3		-6
7 YK-SB-20(4.0-4.7)	4.5.12 @ 1037	✓	✓	✓												S	3		-7
8 YK-SB-20(5.2-6.5)	4.5.12 @ 1059	✓	✓	✓												S	3		-8
9 YK-SB-20(5.2-6.5) DVP	4.5.12 @ 1059	✓	✓	✓												S	3		-9
10 YK-SB-22(6.9-7.1)	4.5.12 @ 1347	✓	✓	✓												S	2		-10
RELEASED BY: <u>C. Nancarrow</u>		DATE: <u>4.10.12</u>										RECEIVED BY: <u>Francisco Lundy Jr.</u>		DATE: <u>4/10/12</u>					
PRINT NAME: <u>C. NANCARROW</u>		FIRM: <u>MWH</u>										PRINT NAME: <u>Francisco Lundy Jr.</u>		FIRM: <u>TA-SEA</u>					
RELEASED BY:		DATE:										RECEIVED BY:		DATE:					
PRINT NAME:		FIRM:										PRINT NAME:		FIRM:					
ADDITIONAL REMARKS:												TEMP:		PAGE 12 OF 583					

TestAmerica

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TestAmerica Seattle
5755 8th St E
Tacoma, WA 98424

2000 W

4 425-420-9200 FAX 420-9210
2 509-924-9200 FAX 924-9290
5 503-906-9200 FAX 906-9210
9 907-563-9200 FAX 563-9210

05/07/2012

CHAIN OF CUSTODY REPORT

Work Order #: 32287

CLIENT: <u>MWH</u>		INVOICE TO: <u>meghann.chell@mwhglobal.com</u>	
REPORT TO: <u>Meghann.Chell@mwhglobal.com</u>			
ADDRESS: <u>806 SW Broadway Ste 200</u> <u>Portland, OR</u>			
PHONE: <u>503-226-7377</u> FAX:		P.O. NUMBER:	
PROJECT NAME: <u>6E Yakima</u>		PRESERVATIVE	
PROJECT NUMBER: <u>10500410.010104</u>			
SAMPLED BY: <u>C Nancarrow</u>		REQUESTED ANALYSES	
CLIENT SAMPLE IDENTIFICATION	SAMPLING DATE/TIME	NA	NA
1 YK-SB-22 (30-33)	4.5.12 @ 1343	✓	✓
2 YK-SB-23 (30-35)	4.5.12 @ 1329	✓	✓
3 YK-SB-23 (45-70)	4.5.12 @ 1335	✓	✓
4 YK-SB-24 (30-33)	4.5.12 @ 1407	✓	✓
5 YK-SB-24 (45-68)	4.5.12 @ 1411	✓	✓
6 IDW-01-040612	4.6.12 @ 1713	✓	✓
7 MW-08-040612	4.6.12 @ 1615	✓	✓
8 IDW-02-040612	4.6.12 @ 1717	✓	✓
9			
10			
RELEASED BY: <u>C Nancarrow</u>	FIRM: <u>MWH</u>	DATE: <u>4.10.12</u>	TIME: <u>1200</u>
PRINT NAME:		RECEIVED BY: <u>Francisco Luna, Jr.</u>	FIRM: <u>TH-SEA</u>
RELEASED BY:		DATE: <u>4/10/12</u>	TIME: <u>1238</u>
PRINT NAME:		PRINT NAME:	TEMP:
ADDITIONAL REMARKS:		PAGE 22	

Cooler/TB Dig/IR cor 8.2nd unc 8.2nd
Cooler Dsc lg Red/wh. tr @ Lab 1525
Wet/Packs Packing P
AZ w/cs Bubble

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Login Sample Receipt Checklist

Client: MWH Americas Inc

Job Number: 580-32287-1

Login Number: 32287

List Source: TestAmerica Seattle

List Number: 1

Creator: Blankinship, Tom

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is 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.	False	8.2
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 sample IDs on the containers and the COC.	False	Rcvd only 1 container of samples -10 through -15
Samples are received within Holding Time.	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	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

APPENDIX E: CUMULATIVE TPH RISK SPREADSHEETS

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A1 Soil Cleanup Levels: Worksheet for Soil Data Entry: Refer to WAC 173-340-720, 740,745, 747, 750

1. Enter Site Information

Date: 06/18/12

Site Name: GEA Yakima Aerospace Facility

Sample Name: YK-MW-08(4.2-5.0)

2. Enter Soil Concentration Measured

Chemical of Concern or Equivalent Carbon Group	Measured Soil Conc dry basis mg/kg	Composition Ratio %
<u>Petroleum EC Fraction</u>		
AL_EC >5-6		0.00%
AL_EC >6-8		0.00%
AL_EC >8-10		0.00%
AL_EC >10-12		0.00%
AL_EC >12-16		0.00%
AL_EC >16-21	2.8	2.44%
AL_EC >21-34	54	47.08%
AR_EC >8-10		0.00%
AR_EC >10-12		0.00%
AR_EC >12-16		0.00%
AR_EC >16-21	7.9	6.89%
AR_EC >21-34	50	43.59%
Benzene		0.00%
Toluene		0.00%
Ethylbenzene		0.00%
Total Xylenes		0.00%
Naphthalene		0.00%
1-Methyl Naphthalene		0.00%
2-Methyl Naphthalene		0.00%
n-Hexane		0.00%
MTBE		0.00%
Ethylene Dibromide (EDB)		0.00%
1,2 Dichloroethane (EDC)		0.00%
Benzo(a)anthracene		0.00%
Benzo(b)fluoranthene		0.00%
Benzo(k)fluoranthene		0.00%
Benzo(a)pyrene		0.00%
Chrysene		0.00%
Dibenz(a,h)anthracene		0.00%
Indeno(1,2,3-cd)pyrene		0.00%
Sum	114.7	100.00%

3. Enter Site-Specific Hydrogeological Data

Total soil porosity:	0.43	Unitless
Volumetric water content:	0.3	Unitless
Volumetric air content:	0.13	Unitless
Soil bulk density measured:	1.5	kg/L
Fraction Organic Carbon:	0.001	Unitless
Dilution Factor:	20	Unitless

4. Target TPH Ground Water Concentration (if adjusted)

If you adjusted the target TPH ground water

concentration, enter adjusted value here: 500 ug/L

Notes for Data Entry

Set Default Hydrogeology

Clear All Soil Concentration Data Entry Cells

Restore All Soil Concentration Data cleared previously

REMARK: TPH Calculation Spreadsheet for shallow sample collected at MW-08

A2 Soil Cleanup Levels: Calculation and Summary of Results. Refer to WAC 173-340-720, 740, 745, 747, 750

Site Information

Date: 6/18/2012
Site Name: GEA Yakima Aerospace Facility
Sample Name: YK-MW-08(4.2-5.0)
Measured Soil TPH Concentration, mg/kg: 114.700

1. Summary of Calculation Results

Exposure Pathway	Method/Goal	Protective Soil TPH Conc, mg/kg	With Measured Soil Conc		Does Measured Soil Conc Pass or Fail?
			RISK @	HI @	
Protection of Soil Direct Contact: Human Health	Method B	4,133	0.00E+00	2.78E-02	Pass
	Method C	49,598	0.00E+00	2.31E-03	Pass
Protection of Method B Ground Water Quality (Leaching)	Potable GW: Human Health Protection	100% NAPL	0.00E+00	5.40E-03	Pass
	Target TPH GW Conc. @ 500 ug/L	100% NAPL	NA	NA	Pass

2. Results for Protection of Soil Direct Contact Pathway: Human Health

	Method B: Unrestricted Land Use	Method C: Industrial Land Use
Protective Soil Concentration, TPH mg/kg	4,133.15	49,597.86
Most Stringent Criterion	HI =1	HI =1

Soil Criteria	Protective Soil Concentration @Method B				Protective Soil Concentration @Method C			
	Most Stringent?	TPH Conc, mg/kg	RISK @	HI @	Most Stringent?	TPH Conc, mg/kg	RISK @	HI @
HI =1	YES	4.13E+03	0.00E+00	1.00E+00	YES	4.96E+04	0.00E+00	1.00E+00
Total Risk=1E-5	NA	NA	NA	NA	NA	NA	NA	NA
Risk of Benzene= 1E-6	NA	NA	NA	NA	NA			
Risk of cPAHs mixture= 1E-6	NA	NA	NA	NA				
EDB	NA	NA	NA	NA				
EDC	NA	NA	NA	NA				

3. Results for Protection of Ground Water Quality (Leaching Pathway)

3.1. Protection of Potable Ground Water Quality (Method B): Human Health Protection

Most Stringent Criterion	NA
Protective Ground Water Concentration, ug/L	NA
Protective Soil Concentration, mg/kg	Soil-to-Ground Water is not a critical pathway!

Ground Water Criteria	Protective Potable Ground Water Concentration @Method B				Protective Soil Conc, mg/kg
	Most Stringent?	TPH Conc, ug/L	RISK @	HI @	
HI=1	YES	2.86E+00	0.00E+00	5.86E-03	100% NAPL
Total Risk = 1E-5	NA	NA	NA	NA	NA
Total Risk = 1E-6	NA	NA	NA	NA	NA
Risk of cPAHs mixture= 1E-5	NA	NA	NA	NA	NA
Benzene MCL = 5 ug/L	NA	NA	NA	NA	NA
MTBE = 20 ug/L	NA	NA	NA	NA	NA

Note: 100% NAPL is 84000 mg/kg TPH.

3.2 Protection of Ground Water Quality for TPH Ground Water Concentration previously adjusted and entered

Ground Water Criteria	Protective Ground Water Concentration			Protective Soil Conc, mg/kg
	TPH Conc, ug/L	Risk @	HI @	
Target TPH GW Conc = 500 ug/L	2.86E+00	0.00E+00	5.86E-03	100% NAPL

A1 Soil Cleanup Levels: Worksheet for Soil Data Entry: Refer to WAC 173-340-720, 740,745, 747, 750

1. Enter Site Information

Date: 06/18/12

Site Name: GEA Yakima Aerospace Facility

Sample Name: YK-MW-08(11.45-12.2)

2. Enter Soil Concentration Measured

Chemical of Concern or Equivalent Carbon Group	Measured Soil Conc dry basis	Composition Ratio
	mg/kg	%
<u>Petroleum EC Fraction</u>		
AL_EC >5-6		0.00%
AL_EC >6-8		0.00%
AL_EC >8-10	0.38	0.02%
AL_EC >10-12	48	3.05%
AL_EC >12-16	41	2.60%
AL_EC >16-21	280	17.79%
AL_EC >21-34	950	60.34%
AR_EC >8-10	1.4	0.09%
AR_EC >10-12	0.85	0.05%
AR_EC >12-16	9.7	0.62%
AR_EC >16-21	83	5.27%
AR_EC >21-34	160	10.16%
Benzene		0.00%
Toluene		0.00%
Ethylbenzene		0.00%
Total Xylenes		0.00%
Naphthalene		0.00%
1-Methyl Naphthalene		0.00%
2-Methyl Naphthalene		0.00%
n-Hexane		0.00%
MTBE		0.00%
Ethylene Dibromide (EDB)		0.00%
1,2 Dichloroethane (EDC)		0.00%
Benzo(a)anthracene		0.00%
Benzo(b)fluoranthene		0.00%
Benzo(k)fluoranthene		0.00%
Benzo(a)pyrene		0.00%
Chrysene		0.00%
Dibenz(a,h)anthracene		0.00%
Indeno(1,2,3-cd)pyrene		0.00%
Sum	1574.33	100.00%

3. Enter Site-Specific Hydrogeological Data

Total soil porosity:	0.43	Unitless
Volumetric water content:	0.3	Unitless
Volumetric air content:	0.13	Unitless
Soil bulk density measured:	1.5	kg/L
Fraction Organic Carbon:	0.001	Unitless
Dilution Factor:	20	Unitless

4. Target TPH Ground Water Concentration (if adjusted)

If you adjusted the target TPH ground water

concentration, enter adjusted value here: 500 ug/L

Notes for Data Entry

Set Default Hydrogeology

Clear All Soil Concentration Data Entry Cells

Restore All Soil Concentration Data cleared previously

REMARK: TPH Calculation Spreadsheet for deep sample collected at MW-08

A2 Soil Cleanup Levels: Calculation and Summary of Results. Refer to WAC 173-340-720, 740, 745, 747, 750

Site Information

Date: 6/18/2012
Site Name: GEA Yakima Aerospace Facility
Sample Name: YK-MW-08(11.45-12.2)
Measured Soil TPH Concentration, mg/kg: 1,574.330

1. Summary of Calculation Results

Exposure Pathway	Method/Goal	Protective Soil TPH Conc, mg/kg	With Measured Soil Conc		Does Measured Soil Conc Pass or Fail?
			RISK @	HI @	
Protection of Soil Direct Contact: Human Health	Method B	8,577	0.00E+00	1.84E-01	Pass
	Method C	108,119	0.00E+00	1.46E-02	Pass
Protection of Method B Ground Water Quality (Leaching)	Potable GW: Human Health Protection	100% NAPL	0.00E+00	2.64E-02	Pass
	Target TPH GW Conc. @ 500 ug/L	100% NAPL	NA	NA	Pass

Warning! Check to determine if a simplified or site-specific Terrestrial Ecological Evaluation may be required (Refer to WAC 173-340-7490 through ~7494).

Warning! Check Residual Saturation (WAC340-747(10)).

2. Results for Protection of Soil Direct Contact Pathway: Human Health

	Method B: Unrestricted Land Use	Method C: Industrial Land Use
Protective Soil Concentration, TPH mg/kg	8,577.22	108,119.25
Most Stringent Criterion	HI =1	HI =1

Soil Criteria	Protective Soil Concentration @Method B				Protective Soil Concentration @Method C			
	Most Stringent?	TPH Conc, mg/kg	RISK @	HI @	Most Stringent?	TPH Conc, mg/kg	RISK @	HI @
HI =1	YES	8.58E+03	0.00E+00	1.00E+00	YES	1.08E+05	0.00E+00	1.00E+00
Total Risk=1E-5	NA	NA	NA	NA	NA	NA	NA	NA
Risk of Benzene= 1E-6	NA	NA	NA	NA	NA			
Risk of cPAHs mixture= 1E-6	NA	NA	NA	NA				
EDB	NA	NA	NA	NA				
EDC	NA	NA	NA	NA				

3. Results for Protection of Ground Water Quality (Leaching Pathway)

3.1. Protection of Potable Ground Water Quality (Method B): Human Health Protection

Most Stringent Criterion	NA
Protective Ground Water Concentration, ug/L	NA
Protective Soil Concentration, mg/kg	Soil-to-Ground Water is not a critical pathway!

Ground Water Criteria	Protective Potable Ground Water Concentration @Method B				Protective Soil Conc, mg/kg
	Most Stringent?	TPH Conc, ug/L	RISK @	HI @	
HI=1	YES	1.50E+01	0.00E+00	2.89E-02	100% NAPL
Total Risk = 1E-5	NA	NA	NA	NA	NA
Total Risk = 1E-6	NA	NA	NA	NA	NA
Risk of cPAHs mixture= 1E-5	NA	NA	NA	NA	NA
Benzene MCL = 5 ug/L	NA	NA	NA	NA	NA
MTBE = 20 ug/L	NA	NA	NA	NA	NA

Note: 100% NAPL is 72000 mg/kg TPH.

3.2 Protection of Ground Water Quality for TPH Ground Water Concentration previously adjusted and entered

Ground Water Criteria	Protective Ground Water Concentration			Protective Soil Conc, mg/kg
	TPH Conc, ug/L	Risk @	HI @	
Target TPH GW Conc = 500 ug/L	1.50E+01	0.00E+00	2.89E-02	100% NAPL

B. Worksheet for Calculating Potable Ground Water Cleanup Levels (Method B only) WAC 173-340-720

1. Enter Site Information

Date: 6/18/2012
 Site Name: GEA Yakima Aerospace Facility
 Sample info: MW-08-040612

2. Enter Ground Water Concentration Measured

Notes for Data Entry

Chemical of Concern or EC Group	Measured GW Conc	GW Cleanup Level	Current Condition			Adjusted Condition			
			HQ	RISK	Pass or Fail?	GW Conc being tested	HQ	RISK	Pass or Fail?
	ug/L	ug/L	unitless	unitless		ug/L	unitless	unitless	
Petroleum EC Fraction									
AL_EC >5-6									
AL_EC >6-8									
AL_EC >8-10									
AL_EC >10-12									
AL_EC >12-16	1.6		3.33E-03			1.22E+01	2.55E-02		
AL_EC >16-21	22		6.88E-04			1.68E+02	5.26E-03		
AL_EC >21-34	46		1.44E-03			3.52E+02	1.10E-02		
AR_EC >8-10									
AR_EC >10-12									
AR_EC >12-16	5.6		7.00E-03			4.29E+01	5.36E-02		
AR_EC >16-21	38		7.92E-02			2.91E+02	6.06E-01		
AR_EC >21-34	25		3.91E-02			1.91E+02	2.99E-01		
Benzene		5							
Toluene		1000							
Ethylbenzene		700							
Total Xylenes		1000							
Naphthalene		160							
1-Methyl Naphthalene									
2-Methyl Naphthalene									
n-Hexane									
MTBE		20							
Ethylene Dibromide (EDB)		0.01							
1,2 Dichloroethane (EDC)		5							
Benzo(a)anthracene		for			for				for
Benzo(b)fluoranthene		all			all				all
Benzo(k)fluoranthene		cPAHs			cPAHs				cPAHs
Benzo(a)pyrene		Risk =							
Chrysene		1E-05							
Dibenz(a,h)anthracene					Σ Risk=				Σ Risk=
Indeno(1,2,3-cd)pyrene					0.00E+00				0.00E+00
Sum	138.2		1.31E-01	0.00E+00		1.06E+03	1.00E+00	0.00E+00	

TEST CURRENT CONDITION

Measured TPH GW Conc, ug/L = 138.2
 HI = 1.307E-01
 RISK = 0.000E+00
 Pass or Fail? Pass

CALCULATE PROTECTIVE CONDITION

This tool allows the user to calculate a protective TPH ground water concentration based on various ground water quality criteria. The Workbook uses the same composition ratio as for the measured data.

**Calculate Protective
TPH GW Conc**

Selected Criterion: HI = 1

Most Stringent? YES

Protective TPH GW Conc, ug/L = 1057.48

HI = 1.00E+00

RISK = 0.00E+00

SUMMARY OF PROTECTIVE GW CONCENTRATIONS

Protective GW TPH Conc, ug/L		1057.48		
Most Stringent Criterion		HI = 1		
Ground Water Criteria	Most Stringent?	GW TPH, ug/L	RISK @	HI @
HI = 1	YES	1.06E+03	0.00E+00	1.00E+00
Total Risk = 1E-5	NA	NA	NA	NA
Total Risk = 1E-6	NA	NA	NA	NA
Benzene MCL = 5 ug/L	NA	NA	NA	NA
MTBE = 20 ug/L	NA	NA	NA	NA
Risk of cPAHs = 1E-5	NA	NA	NA	NA
Toluene = 1000 ug/L	NA	NA	NA	NA
Ethylbenzene = 700 ug/L	NA	NA	NA	NA
Total Xylenes = 1000 ug/L	NA	NA	NA	NA

TEST ADJUSTED CONDITION

This tool allows the user to test whether a particular TPH soil concentration is protective of human health. The Workbook uses the same composition ratio as for the measured data.

**Test Adjusted TPH
GW Conc**

Tested TPH GW Conc, ug/L=

HI=

RISK=

Pass or Fail?

