

APPENDIX S.2

QCSR

FINAL QUALITY CONTROL SUMMARY REPORT FOR OCEAN WATER SAMPLES FIRST MONITORED NATURAL RECOVERY REPORT

**PALOS VERDES SHELF (OU 5 OF THE MONTROSE CHEMICAL CORP.
SUPERFUND SITE)
LOS ANGELES COUNTY, CALIFORNIA**

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LIST OF ACRONYMS AND ABBREVIATIONS

ADR	automated data review
ALS	ALS Life Sciences
AWQC	ambient water quality criteria
°C	degrees Celsius
COC	chain of custody, chemical of concern
CSM	conceptual site model
DDTs	dichlorodiphenyltrichloroethane and breakdown isomers
DQO	data quality objectives
EDL	estimated detection limit
ELAP	Environmental Laboratory Accreditation Program
EMPC	estimated maximum possible concentration
EPA	United States Environmental Protection Agency
FSP	Field Sampling Plan
HRGC/HRMS	high-resolution gas chromatography/ high-resolution mass spectrometry
Gilbane	Gilbane Federal
ICV	initial calibration verification
IPR	initial precision and recovery sample
IROD	Interim Record of Decision
IUPAC	International Union of Pure and Applied Chemistry
JWPCP	Joint Water Pollution Control Plant
Kinnetic	Kinnetic Laboratories, Inc.
LCL	lower confidence limit
LCS/LCSD	laboratory control sample/laboratory control sample duplicate
LQL	lower quantification limit
m	meters
MB	method blank
MNR	monitored natural recovery
MS/MSD	matrix spike/matrix spike duplicate
NELAP	National Environmental Laboratory Accreditation Program
ng/L	nanograms per liter
NPDES	National Pollution Discharge Elimination System
OPR	ongoing precision and recovery sample
OU	operable unit
PARCC	precision, accuracy, representativeness, completeness, comparability
PCBs	polychlorinated biphenyls
pg/L	picograms per liter
PORL	project objective reporting limit
PSD	passive sampling device
PV	Palos Verdes
QA/QC	quality assurance/quality control
QAPP	Quality Assurance Project Plan
QC	quality control
QCO	quality control outliers
QCSR	Quality Control Summary Report
RA	remedial action

RL	reporting limit
RO	reverse osmosis
RPD	relative percent difference
RSD	relative standard deviation
SDG	sample delivery group
SIM	selected ion monitoring
SVOCs	semi-volatile organic compounds
UCL	upper confidence limit
VER	continuing calibration verification
Veridian	Veridian Environmental, Inc.

1.0 INTRODUCTION

Gilbane Federal (Gilbane) has prepared this Quality Control Summary Report (QCSR) on behalf of the United States Environmental Protection Agency (EPA) Region IX, as part of the monitored natural recovery (MNR) component of the remedial action (RA) being conducted for Palos Verdes (PV) Shelf (Operable Unit [OU] 5 of the Montrose Chemical Corporation Superfund Site), Los Angeles County, California. Gilbane is conducting the MNR-RA at PV Shelf under EPA Contract EP-S9-08-03, Task Order 0068, as part of EPA's response actions for Montrose OU 5. The goal of the water sampling program was to collect depth-discrete samples for high resolution analyses of dichlorodiphenyltrichloroethane (DDT) and its derivatives, and polychlorinated biphenyls (PCBs).

The Interim Record of Decision (IROD) for PV Shelf states that human health ambient water quality criteria (AWQC) for DDTs and for PCBs are being considered in assessments of progress of site cleanup (EPA, 2009b). Because these criteria are extremely low (less than 1 nanograms per liter [ng/L]), EPA utilized high resolution gas chromatography/high resolution mass spectrometry (HRGC/HRMS) for testing samples of the water column at PV Shelf. The 2015 water sampling event was the first time that high resolution analytical techniques were used to analyze samples of the PV Shelf water column. For the purposes of this report, in addition to AWQC comparisons, the data set will also be used to evaluate vertical profile concentrations in the water column along the shelf.

This QCSR addresses chemical data generated from the ocean water samples collected in three sampling cruises in March, September, and November 2015 (Table 1). This QCSR also reconciles the chemical data with the project data quality objectives (DQOs) for the water sampling program, as presented in the Quality Assurance Project Plan (QAPP; Gilbane, 2014), and establishes the data usability of the data set.

2.0 ANALYTICAL PROGRAM

Gilbane selected ALS Life Sciences (ALS), Burlington, Ontario, Canada, as the chemical testing laboratory for the high-resolution analysis water sampling program. ALS is accredited in

California under the Environmental Laboratory Accreditation Program (ELAP) administered by the California Water Boards. ALS laboratory generated seven electronic data deliverables (EDDs) for upload to the database and nine laboratory reports (see Appendix S of the First MNR Report).

Water sample analyses were conducted in accordance with the requirements specified in the following guidance documents.

- EPA Method 1668C: Chlorinated Biphenyl Congeners in Water, Soil, Sediment, Biosolids, and Tissue by HRGC/HRMS, EPA-820-R-10-005 (EPA, 2010)
- EPA Method 1699: Pesticides in Water, Soil, Sediment, Biosolids, and Tissue by HRGC/HRMS, EPA-821-R-08-001 (EPA, 2007)
- Final Quality Assurance Project Plan - Water Sampling Program, Remedial Action – Monitored Natural Recovery Component, Palos Verdes Shelf, Los Angeles County, California (QAPP; Gilbane, 2014)

The specific analytical procedures used by the laboratory for this project are listed below.

- PCBs by high-resolution gas chromatography (HRGC)/ high-resolution mass spectrometry (HRMS), EPA Method 1668C (ALS SOP BU-TM-1105 v07, Determination of Congener Specific Chlorinated Biphenyls)
- Organo-chlorine pesticides (OCPs/DDTs) by HRGC/HRMS, (ALS SOP BU-TM-1103 v05, OCP Instrumental Method – HRMS)

Analytical data were reviewed and validated by Veridian Environmental, Inc. (Veridian) of Vacaville, California, following the procedures specified in the QAPP (Gilbane, 2014). Veridian used an automated data validation system augmented by manual review. Table 1 presents a list of samples and sample collection details, and the review level at which the data were validated. All Veridian validation reports for the water sampling program are presented in Attachment 1.

The data review and validation reports employ the International Union of Pure and Applied Chemistry (IUPAC) names for most of the analytes, however, numerous exceptions were required for coeluting PCB congeners. For ease of reference, Table 2 has been provided to cross-reference the IUPAC names to the common names for the water analytes, and the coeluting congeners. One hundred percent of the analytical data were subjected to data review using the quality control (QC) elements listed below.

- Technical holding times and temperature compliance

- Field rinsate blank contamination
- Method blank contamination
- Laboratory control sample (LCS) accuracy and comparison, referred to as initial and ongoing precision and recovery samples (IPRs and OPRs) for high-resolution methods
- Initial calibration and continuing calibration verifications (ICVs and CCV/VERs)
- Labeled isotopic extraction standards recovery
- Labeled isotopic cleanup standards recovery
- Internal isotopic injection standards and system performance

Approximately 20% of the analytical data were also subject to full validation using the additional QC elements listed below.

- Analyte identification and quantitation (estimated detection limits [EDLs], and estimated maximum possible concentrations [EMPCs])
- Raw data review for recalculation of results from on-column concentrations, manual integration of spectra, and calibration response factors

A data review report (Level 3, S2BVEM; as defined in EPA, 2009a) was produced for each data package received from the laboratory. A full data validation report (Level 4, (S3VEM; EPA, 2009a)) was produced for one of the seven SDGs, representing 32 of the 137 primary water samples, or approximately 23% of the data. This value exceeds the QAPP-specified goal that 10% of the data undergo full validation (Gilbane, 2014). Review and validation reports are included in Attachment 1.

2.1 QUALIFIED RESULTS

Qualifiers have been applied as necessary to the data for PV Shelf water samples. Final electronic data deliverables and quality control outliers (QCOs) contain the following validation data qualifiers and descriptors:

Qualifiers

- “J” denotes that the analyte was positively identified; the quantitation is an estimate. Note, for EMPCs by HRGC/HRMS analysis, ALS reports the results as estimated detects (J)
- “U” indicates that the analyte was not detected above the estimated detection limit (EDL)

- “UJ” denotes that the analyte was not detected above a qualified EDL
- “R” denotes that the result was rejected and the datum is not useable for its intended purpose

Descriptors

- “B1” denotes the analyte was found in an associated laboratory method blank
- “C11” indicates that an associated continuing calibration verification sample (CCV/VER) percent recovery, percent difference, or percent drift was outside control limits
- “D5” indicates that the field replicate precision relative percent difference (RPD) was outside control limits
- “G1” indicates that an initial calibration relative standard deviation (RSD) was outside control limits
- “G4” indicates that ion abundance ratios are outside criteria and an EMPC is reported
- “H2” indicates that the preparation holding time was not met
- “K1” shows that the analyte was detected in an associated equipment rinsate blank
- “L” indicates that the laboratory control sample (LCS) recovery, referred to as initial and ongoing precision and recovery samples (IPRs and OPRs) for high-resolution methods, was outside the control limits
- “S” indicates that an associated labeled injection or extraction spike compound (surrogate) recovery was outside control limits
- “TR” indicates that the result was a trace value, detected between the estimated detection limit (EDL) and lower quantitation limit (LQL)
- “X2” indicates that the result was qualified due to professional judgment; sample extracts for DDTs analysis were evaporated to “dryness” during concentration of the extract; see Section 2.2

A qualifier or descriptor may be applied to a result for more than one reason. For example, a J-qualified result for an analysis that was performed beyond the allowed holding time H2, may also be qualified due to an identified problem with the instrument calibration C11 or labeled compound S recovery. The following sections discuss the quality of the data and reasons for qualifications.

2.1.1 Estimated Results

Out of 7,466 total results reported for the water sampling program (including primary project samples and field QC sample results), 965 results (or 13%) were qualified as estimated “J/UJ” for accuracy, anomalies. A total of 176 results, representing 2.4% of the total dataset, were qualified due to precision anomalies. A total of 2,237 results (or 30%), were qualified as estimated due to representativeness anomalies. The estimated compounds are listed in the review and validation reports (Attachment 1), and are discussed in the following sections.

2.1.2 Rejected Results

The analyses for DDTs and PCBs posed several technical sampling and analytical challenges, however, out of 7,466 total water sampling results, only 13 results were qualified as rejected “R”. The reject data were due to zero or very low labeled compound spike (descriptor “S”) recoveries for all eight DDT isomers in one sample, and five PCB congeners in one other sample, representing less than 0.2% of the data set. Details concerning the rejected data are presented in the QCOs found in the review and validation reports (Attachment 1), and are discussed further in Section 2.10.

2.2 ESTIMATED LOW CONCENTRATIONS

ALS reported sample results to the respective compound estimated detection limits (EDLs) at the lowest concentration with a 2.5:1 signal to noise ratio. Any sample result detected between the EDL and the LQL was qualified as estimated “J” by ALS because of the increased quantitative uncertainty in the result as the concentration of the analyte approaches the EDL, and not for other analytical QC anomalies. A total of 2,666 results were J-qualified as estimated results between the EDL and RL with descriptor “TR”. These qualified values are presented in the review and validation reports (Attachment 1).

Qualification of DDTs and PCBs results as estimated due to low concentrations of analytes is expected, due to the sensitivity of the high resolution analytical methodology (DDTs are reported in ng/L, and PCBs are reported in picograms per liter [pg/L]), and the expected low concentrations of most analytes in site samples. Qualification for low-concentration data is not due to poor method performance or analytical program issues. Results remain usable with qualification for assessing the vertical water column concentrations and other project objectives.

2.3 HOLDING TIMES

One hundred and twenty-nine samples were analyzed outside the QAPP-specified holding time of 7 days until extraction and 40 days until analysis for DDTs by Method E1699 (Gilbane, 2014). This resulted in 1,032 DDT results being qualified as estimated “J/UJ” with descriptor H2 due to the potential for loss of the more volatile components. The extraction holding time for the less volatile PCBs by Method E1668C and ALS SOP BU-TM-1105-v07 PCB Congeners (Gilbane, 2014), is 1 year when stored at less than 6°C and no PCB data were affected. The holding time for PCBs stated in the QAPP on Worksheet 19 is incorrect and was revised, per the field change request (FCR-002) presented in Attachment 3.

2.4 CALIBRATION

Veridian evaluated the initial and continuing calibration summaries for the DDTs and PCBs methods. Out of 7,466 results, 98 DDT results were qualified as estimated “J/UJ” with descriptors G1 or C11 due to initial and continuing calibration verification (CCV/VER) criteria anomalies, respectively.

2.5 FIELD AND LABORATORY BLANK CONTAMINATION

ALS analyzed field equipment rinsate blanks, and laboratory method, and instrument blanks for each method to monitor possible field and laboratory contamination. High-purity reverse osmosis (RO) water was provided by ALS for use as equipment rinsate water in the field, and was used by ALS for method blanks in the laboratory. It should be noted that due to the very low detection levels and the ubiquity of PCBs in the field and laboratory environments, most of the DDT isomers and PCB congeners were detected in the blanks, which resulted in data qualification. Data were qualified based on a one-times (1x) rule where results less than 1x the blank result were qualified as non-detect “U” at the blank concentration, and results greater than the blank result were J-qualified as estimated at the observed concentration.

Out of 7,466 total results, Veridian qualified 2,247 results due to method blank and/or equipment blank contamination, representing 30% of the total dataset. For the method blanks, seven of the eight DDTs and 30 PCB congeners were detected, resulting in 1,928 sample results being qualified with descriptor B1. For the three equipment blanks, there were 43 detects of PCBs in 150 blank results, leading to the qualification of 683 water data points with descriptor K1. These

results were flagged J or U by the data reviewer depending on the concentration in the blank compared directly to the sample result (1x rule); these qualified results are presented in the QCOs (Attachment 1).

2.6 LABORATORY CONTROL SAMPLES AND LABORATORY CONTROL DUPLICATES

Laboratory control samples (LCSs) are synthetic samples spiked with chemicals of concern (COCs) and prepared and analyzed using the same procedure as primary project samples. LCSs were analyzed by ALS as OPRs for high-resolution methods, at the frequency specified in the methods, and were used to further monitor the analytical process and to provide a measurement of accuracy. LCS duplicates (LCSDs) were not performed per the analytical methods, but precision was evaluated during data validation by calculating an average recovery with an upper confidence limit (UCL) and lower confidence limit (LCL) from the project-associated LCS data, for all DDTs and selected PCBs (Table 3). No data were qualified based on the LCS/OPR precision evaluation, but all identified precision outliers were qualified during data validation for LCS recovery (accuracy) outliers. Out of 7,466 total results of the water samples, Veridian qualified 46 DDTs results due to LCS accuracy failures, representing less than 0.1% of the total dataset. These results were flagged J by the data reviewer with descriptor L; the values are presented in the QCOs (Attachment 1).

2.7 MATRIX SPIKES AND MATRIX SPIKE DUPLICATES (MS/MSDS)

MS/MSDs are generally used to monitor the accuracy and precision of the analytical process but are not applicable for the high resolution analytical methods for the ocean water sampling event. Instead, ALS spiked labeled isotopic compound into each sample to monitor analytical performance, as discussed in Section 2.10.

2.8 LABORATORY SAMPLE DUPLICATES

Laboratory sample duplicates are samples prepared by the laboratory from a second aliquot of a primary sample. These samples are analyzed using the same procedure as primary project samples, and used to monitor laboratory analytical precision. Laboratory sample duplicates were not performed for this water sampling event due to limited sample volumes for filtration and extraction. Laboratory analytical precision was assessed by comparison of LCS/OPR results to overall average project sample LCS recoveries (Section 2.6, Table 3).

2.9 INSTRUMENT PERFORMANCE CHECKS

The HRGC/HRMS instrument tunes and performance checks were reviewed for the PCBs and DDTs analyses. Out of 7,466 results evaluated, no results were qualified due to instrument performance check anomalies.

2.10 LABELED COMPOUNDS

Labeled compounds are added to measure the extraction efficiency and to quantify the target analytes of high resolution analytical methods. These compounds (13C12-labeled spike compounds) are added to all samples prior to sample preparation and are injected with each sample analysis. Out of 7,466 results reported, 163 DDTs and PCBs results were qualified as estimated “J/UJ” with descriptor S due to labeled compound recovery anomalies. In addition, 13 results were rejected “R” during data validation with descriptor “S”, due to extremely low or zero extraction or cleanup standard recoveries.

2.11 ANALYTE IDENTIFICATION AND QUANTITATION

LQLs and EDLs were reported for each method. Results were reported to the analyte-specific EDL. The EDLs for both DDTs and PCBs, with some exception noted below, met the project objective reporting limits (PORLs) stipulated in the QAPP (Gilbane, 2014). Seven p,p'-DDT non-detects qualified for holding time exceedances have results greater than the IROD Total DDTs surface water project decision limit of 0.22 ng/L; and 49 PCB congener non-detects, mostly elevated due to blank detects, were greater than the PORL of 10 pg/L. The PCB results' detection limits are all less than the IROD Total PCBs surface water project decision limit of 64 pg/L (EPA, 2009b), so data comparison is not affected for the PCB results. End users of the DDT data should be aware that the elevated detection limits for the seven p,p'-DDT results presented in the following table, may mask low-level detections.

p,p'-DDT Nondetects Greater than the IROD Limit

Location	Sample ID	EDL (ng/L)
BA4C	BA4C-WO55-0915-1	0.51
BA2DC	BA2DC-WO5-0915-1	0.33
BA2C	BA2C-WO55-0915-1	0.3
BA10DC	BA10DC-W205-0915-1	0.29
W3	W3-WO5-0915-1	0.26
BA4C	BA4C-WO30-0915-1	0.25
BA10DC	BA10DC-WO5-0915-1	0.23

A total of 1,174 results were identified by the laboratory as EMPCs due to ion abundance ratios being outside criteria, and were qualified by the validator as estimated “J”. The EMPC values are identified in the QCOs and data tables with descriptor “G4” (Attachment 1).

Thirty sample extracts for DDTs analyses were evaporated to “dryness” during the concentration stage of the extraction procedure. Based on professional judgement during data validation, all 238 associated DDT results were qualified as estimated “J/UJ” with a low bias and an “X2” descriptor due to potential evaporative target analyte losses. Also, based on professional judgement, the generally less volatile PCBs were not similarly qualified, where notes for evaporation to dryness of the PCB extract were made by the laboratory.

Out of 7,466 total results reported, 2,666 results (36% of the data, including 838 EMPCs) were reported above the EDL but below the LQL. These results were flagged J by the laboratory to indicate that they are estimated trace values with descriptor TR. The estimated compounds are listed in the QCOs found in the review and validation reports (Attachment 1). The estimated results remain useable, with qualification. Data usability is not affected for project objectives.

3.0 FIELD PROCEDURES

Field work was performed during three field deployments. Initial sampling occurred on 31 March 2015 to pilot test the proprietary Valscon sampling equipment from Kinnetic Laboratories, Inc. (Kinnetic) and to improve sampler deployment techniques. This included the use of the Sanitation Districts vessel *Ocean Sentinel*, and a Sanitation Districts crew. A second main sampling event from 15 September through 25 September 2015 occurred to collect the bulk of the samples; and a third re-deployment on 30 November 2015, was to re-collect one sample at the request of ALS laboratory, and one for a sample broken in transit. The Kinnetic vessel and crew were used in both events. The sample locations and numbers of samples were based on the transect grid adopted by the Regional Water Quality Control Board, Los Angeles Region, in support of the requirements of the National Pollution Discharge Elimination System (NPDES) permit governing effluent from the White Point wastewater outfall system.

A total of 137 primary samples, 11 field replicates, and three equipment rinsate samples, were collected and submitted to ALS for chemical testing of DDTs and PCBs by HRGC/HRMS. Sixty-nine primary water samples were collected from three depths at 23 sampling stations on a grid previously established for the sediment sampling program. Sixty-eight water samples were collected from four depths at 17 sampling moorings where PSD samples were previously collected.

All water samples were collected directly into the 2.5-liter sample bottles and shipped overnight on ice to ALS for analysis. Further details of the sampling collection method for the ocean water sampling program were presented in the QAPP (Gilbane, 2014).

3.1 SAMPLE HANDLING

All samples were collected and shipped on ice in compliance with the QAPP (Gilbane, 2014). All of the samples were delivered to the laboratory within 1 to 5 days of collection, and all samples were received at temperatures between 0.4 and 3.4 degrees Celsius (°C). One sample bottle and one bottle cap were broken in transit; but, the samples were re-collected. There is no effect on the data completeness. For the water sampling event, no results were qualified due to improper shipment or storage.

Samples were extracted within the 7-day recommended sample hold times for organochlorine pesticides but were analyzed beyond the recommended extract hold time of 40 days, in Method 1699. ALS states in their report narratives that the hold time is designed around other pesticide targets that are more volatile than the DDTs targeted for this project. Based on the validator's professional judgement all DDTs hold times exceedances were conservatively qualified as estimated J/UJ with descriptor H2. These hold time exceedances are not anticipated to have an impact on data quality.

3.2 FIELD REPLICATES

Replicate water samples were collected at various locations and sampling depths during consecutive sampler deployments throughout the 2015 water sampling program. A total of 137 primary samples and 11 field replicate samples were collected. Three additional split samples were collected but not analyzed due to a miscommunication with the laboratory. This resulted in a replicate data rate of 8% for the program which is less than the 10% goal from the QAPP (Gilbane, 2014). For primary samples with associated replicates, relative percent differences (RPDs) were evaluated for positive results greater than the EDL. If either the primary sample or field replicate sample result was less than five times the EDL, then the criteria used (the EDL check) to determine if the replicate pair was outside the criteria is +/- 1 times the EDL. Sample results with RPD values or EDL checks outside of the QAPP control limit of 30% for DDTs and 40% for PCBs were qualified J to indicate an estimated result. Out of 7461 water sample results, 182 results (2.4%) were qualified as estimated "J/UJ" with descriptor D5 due to field replicate imprecision. The rate of replicate imprecision appears acceptable considering the field replicates were collected during consecutive sampler deployments in a dynamic water matrix. The details of the qualified results are found in the data review and validation reports (Attachment 1). All field replicate results and imprecision data qualifiers are presented in Attachment 2.

3.3 FIELD DEVIATIONS OR LABORATORY CORRECTIVE ACTIONS

The only deviations from the QAPP (Gilbane, 2014) were the following field change requests, variances, or laboratory corrective actions:

- The final QAPP was prepared prior to the laboratory finalizing method development and providing performance limits for a labeled Oxychlordane surrogate for DDMU and DDNU. Also, PCB cleanup standards were omitted

from the final QAPP. Worksheet 12 was revised to reflect actual lab control limits for the DDMU and DDNU labeled Oxychlordane surrogate, and labeled PCB cleanup standards, per the addendum in Attachment 3, Field Change Request (FCR)-001.

- Based on EPA Method 1668C (EPA, 2010) the PCB holding times for preparation and analysis presented in the final QAPP was changed to 1 year to extract and 1 year to analysis, if stored in the dark at less than 6°C (Attachment 3, FCR-002).
- Two primary water samples were broken in transit to the laboratory and each sample was re-collected during subsequent sampling deployments (Table 1). The field completeness for primary sampling locations was therefore 100%.
- Three sets of three samples each were collected at locations BA7DC-WO38, BA8C-WO58, and BA9DC-WO38, that were designed in the QAPP to be split by the laboratory into two sets of DDTs results, two sets of PCB results and a typical DDT and PCB collocated sample (Gilbane, 2014). However, due to a misunderstanding by the laboratory, no split samples were generated at the laboratory to evaluate laboratory precision, and the three sets of results at each location could only be assessed as one normal sample and two replicate samples for field sampling precision (Attachment 2).
- Samples were filtered then spiked with 13C12-labeled extraction standards, and extracted by separatory funnel (ALS, 2014). The DDT portion of the extracts were then cleaned by gel-permeation chromatography (GPC) to help remove intractable biological interferences; and by activated silica gel cleanup, generally designed to remove earlier hydrocarbon fractions. This two-step cleanup procedure was employed to improve HRGC performance but had some impact to 13C12-labeled DDTs recoveries (presumably due to losses to the early more volatile fraction). However, the isotope dilution technique for calculating each analyte concentration corrected for any losses due to the cleanup procedures, and there was no significant impact on the overall DDTs data quality.
- The second fractions for DDTs and PCBs analyses were to be evaporated to a small volume prior to the addition of 13C12-labeled injection standards. Thirty (30) sample extracts for DDTs analyses were evaporated to dryness during this concentration stage of the extraction procedure. Based on professional judgement by the validators, all associated DDT results with extracts evaporated to dryness were qualified as estimated due to potential evaporative analyte losses. Also, based on professional judgement, the generally lower volatility PCBs were not similarly qualified when extracts to dryness were noted.

4.0 CONCLUSIONS AND DATA USABILITY

High resolution GC/MS analytical methods were used for this project to provide the quality of data sufficient to meet DQOs and the project's low concentration sensitivity requirements. DQOs were reviewed in terms of PARCCS parameters (precision, accuracy, representativeness, completeness, comparability, and sensitivity), and are discussed below.

4.1 QUALITY CONTROL SAMPLES

Field QC samples for this project included collocated replicate samples and equipment rinsate blanks. The collocated samples and equipment blank rinsates were collected as specified in the QAPP. Laboratory QC included precision and accuracy in the form of analysis of LCS/OPRs and labeled spiked compounds at the frequencies specified in the methods listed in Section 2.0 of this QCSR.

Precision: Precision is a measure of the repeatability of a single measurement. The precision of the dataset was assessed by the RPD between replicate samples (i.e., field collocated samples, or comparison of LCSs). Out of the 4,446 results qualified for the water sampling event, 181 were qualified due to field replicate RPD values exceeding QC criteria, representing 4.1%. Even though field replicates were collected during consecutive sampler deployments, on a rocking and drifting boat in a dynamic water mass, the overall sampling and analytical precision is acceptable. The estimated results for imprecision remain useable with qualification.

Fifteen LCS/OPR samples were analyzed by the laboratory for the duration of the water sampling event and a comparison of results were made to the mean recoveries of all DDTs and 14 selected PCB congeners (Table 3). LCSDs were not performed per the analytical methods, but precision was evaluated by calculating an average recovery with a UCL and LCL from the project-associated LCS data for all DDTs and the selected PCBs. Most DDTs and PCBs LCS recoveries were greater than two standard deviations from their calculated means but none exceeded three standard deviations. All LCS recoveries were greater than 50% and the overall LCS recovery precision is acceptable.

Accuracy: Accuracy is a measure of recovery of the actual concentration of a compound. The accuracy of the data set was assessed by the number of EMPCs; and by the labeled compounds

recoveries, calibration CCV/VER anomalies, and LCS/OPR percent recovery anomalies. A total of 968 results were qualified as estimated “J/UJ” for accuracy anomalies, representing 22% of the total qualified results. The estimated results remain useable with qualification. Eight DDT results and five PCB congeners in two samples were qualified as rejected “R” due to zero or very low labeled compound recoveries. The rejected results are not useable.

Representativeness: Representativeness of the data set is determined by assessing the degree to which the data represent the samples submitted to the laboratory and the ocean water matrix. Holding times, preservation, blank results, and sampling procedures affect the representativeness of a sample. All samples were collected according to the QAPP, properly preserved for shipping, and filtered at the laboratory. A total of 1,024 DDT results were analyzed outside the 40-day extract holding time due to laboratory delays. These holding time exceedances do not significantly impact data quality. An additional 2,247 results were qualified due to method blank and/or equipment blank contamination, representing 30% of the total data set. Overall the representativeness of the data appears indicative of site conditions, subject to temporal changes, and low level blank contamination.

Comparability: The analytical methods used for analysis affect the comparability of the data set. The methods used in the project are all high resolution, peer-reviewed methods, to achieve the lowest technically achievable detection limits as specified in the QAPP (Gilbane, 2014). The specific high-resolution methods are listed in Section 2.0 of this QCSR. The analytical methods used provided units of measure and detection limits that are comparable or lower than PV Shelf data from previous ocean water investigations. Data comparison to IROD water quality goals will be affected for a few DDT non-detect results, where the results were reported at the elevated level of contamination due to method and equipment blank detections.

Completeness: The completeness of the data set is determined by the percentage of primary field samples planned and collected, and the percentage of acceptable results after data review. All primary field samples were collected as planned and the field sampling completeness was 100%. The analytical results from the primary project samples were used in the calculation to determine the completeness of the data set. Out of 6,850 primary water sample results, 3,280 results (48%) were qualified as estimates J/UJ and can be used with qualification. An additional

746 nondetects U were qualified due to low level blank contamination. Out of the 6,850 primary results, 13 results (less than 0.2%) were not quantitated by the laboratory and are rejected due to extremely low labeled compound recoveries. Therefore, the analytical completeness of this data set is greater than 99.8%, which meets the QAPP goal of 90% for primary water samples.

Sensitivity: The laboratory reporting limits were evaluated by the project team prior to sample collection to confirm the laboratory could attain the required sensitivity for the project. For high resolution pesticides and PCBs analyses, the method detection limits are not normally used to define the reporting limits. The actual reporting approach was to report each DDT isomer and PCB congener using the lowest concentration with a 2.5:1 signal to noise ratio (referred to as the EDL).

The PORLs from Worksheet 15 of the QAPP (Gilbane, 2014) specified 0.1 ng/L for DDTs (1 ng/L for DDMU and DDNU) based on the IROD Total DDTs surface water decision limit of 0.22 ng/L; and a PORL of 10 pg/L, for all individual PCB congeners based on the IROD Total PCBs surface water of 64 pg/L (EPA, 2009b). The actual EDLs achieved were generally less than the IROD goal (with exceptions for p,p'-DDT up to 0.51 ng/L, Section 2.11); and mostly less than 10 pg/L for PCBs (with few exceptions for PCB 8 that ranged from 11 to 21 pg/L). The level of sensitivity achieved by HRGC/HRMS analysis for DDTs and PCBs is the lowest technically achievable and all nondetected data are useable, with qualification, for assessing water column concentrations.

4.2 CONCLUSION

The data generated in support of the project meet the project DQOs. As shown in the data review and validation reports (Attachment 1), QC deficiencies leading to data qualification were extensive, but their effect on data completeness were minor. The data that were qualified as estimated or nondetect are of acceptable quality, and should be considered usable for assessing vertical ocean water column concentrations and for other project objectives. The rejected results, while not useable for their intended purposes, represent less than 0.2% of the total dataset.

5.0 REFERENCES

- ALS Life Sciences, 2014. Gilbane PV Shelf Pre-Prep for Low Level PCB and OCP Determinations from Seawater. Work instruction BU-WI-3026 v01. July.
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- United States Environmental Protection Agency (EPA), 2007. Method 1699: Pesticides in Water, Soil, Sediment, Biosolids, and Tissue by HRGC/HRMS. EPA-821-R-08-001. December.
- EPA, 2009a. Guidance for Labeling Externally Validated Laboratory Analytical Data for Superfund Use. EPA 540-R-08-005. January.
- EPA, 2009b. Interim Record of Decision, Palos Verdes Shelf, Operable Unit 5 of the Montrose Chemical Corporation Superfund Site, Los Angeles County, California. September.
- EPA, 2010. Method 1668C, Chlorinated Biphenyl Congeners in Water, Soil, Sediment, Biosolids, and Tissue by HRGC/HRMS. EPA-820-R-10-005. April.
- EPA, 2011. Contract Laboratory Program National Functional Guidelines for Chlorinated Dibenzo-p-Dioxins (CDDs) and Chlorinated Dibenzofurans (CDFs) Data Review, EPA-540-R-1-016, Office of Superfund Remediation and Technology Innovation. September.

TABLES

Table 1. Summary of Samples Collected and Data Validation Levels
First MNR Report
Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)
Los Angeles County, California

Location ID	Sample ID	Type*	Sample depth (meters)**	Sample date	Sample time	Lab SDG#	DV Level
BA1B	BA1B-WO5-0915-1	Ocean Water	5	9/23/15	1137	L1678061	L3
	BA1B-WO75-0915-1	Ocean Water	75	9/23/15	1112	L1678061	L3
	BA1B-WO145-0915-1	Ocean Water	147	9/23/15	1127	L1678061	L3
BA1C	BA1C-WO5-0915-1	Ocean Water	5	9/16/15	1103	L1675327	L3
	BA1C-WO30-0915-1	Ocean Water	30	9/16/15	1110	L1675327	L3
	BA1C-WO55-0915-1	Ocean Water	57	9/16/15	1123	L1675327	L3
	BA1C-WO60-0915-1	Ocean Water	59	9/16/15	1134	L1675327	L3
BA1DC	BA1DC-WO5-0915-1	Ocean Water	5	9/23/15	1148	L1678061	L3
	BA1DC-WO5-0915-2	Collocate	5	9/23/15	1153	L1678061	L3
	BA1DC-WO20-0915-1	Ocean Water	20	9/16/15	1207	L1675327	L3
	BA1DC-WO35-0915-1	Ocean Water	35	9/16/15	1215	L1675327	L3
BA2B	BA2B-WO5-0915-1	Ocean Water	5	9/16/15	1451	L1675327	L3
	BA2B-WO75-0915-1	Ocean Water	75	9/16/15	1501	L1675327	L3
	BA2B-WO145-0915-1	Ocean Water	145	9/23/15	1228	L1678061	L3
BA2C	BA2C-WO5-0915-1	Ocean Water	5	9/23/15	1243	L1678061	L3
	BA2C-WO30-0915-1	Ocean Water	30	9/16/15	1354	L1675327	L3
	BA2C-WO55-0915-1	Ocean Water	55	9/16/15	1406	L1675327	L3
BA2DC	BA2DC-WO5-0915-1	Ocean Water	5	9/16/15	1243	L1675327	L3
	BA2DC-WO20-0915-1	Ocean Water	20	9/16/15	1254	L1675327	L3
	BA2DC-WO35-0915-1	Ocean Water	39	9/16/15	1327	L1675327	L3
BA3B	BA3B-WO5-0915-1	Ocean Water	5	9/23/15	1322	L1678061	L3
	BA3B-WO80-0915-1	Ocean Water	75	9/23/15	1300	L1678061	L3
	BA3B-WO145-0915-1	Ocean Water	153	9/23/15	1312	L1678061	L3
BA3C	BA3C-WO5-0915-1	Ocean Water	5	9/16/15	1658	L1675327	L3
	BA3C-WO5-1115-1	Time Replicate	5	11/30/15	1250	L1709111	L3
	BA3C-WO30-0915-1	Ocean Water	30	9/16/15	1708	L1675327	L3
	BA3C-WO55-0915-1	Ocean Water	55	9/16/15	1720	L1675327	L3

Table 1. Summary of Samples Collected and Data Validation Levels
First MNR Report
Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)
Los Angeles County, California

	BA3C-WO58-0915-1	Ocean Water	58	9/16/15	1729	L1675327	L3
BA3DC	BA3DC-WO5-0915-1	Ocean Water	5	9/16/15	1633	L1675327	L3
	BA3DC-WO20-0915-1	Ocean Water	20	9/16/15	1641	L1675327	L3
	BA3DC-WO35-0915-1	Ocean Water	38	9/16/15	1650	L1675327	L3
BA4B	BA4B-WO5-0915-1	Ocean Water	5	9/17/15	1719	L1676352	L3
	BA4B-WO75-0915-1	Ocean Water	75	9/17/15	1804	L1676352	L3
	BA4B-WO145-0915-1	Ocean Water	141	9/17/15	1744	L1676352	L3
BA4C	BA4C-WO5-0915-1	Ocean Water	5	9/17/15	1817	L1676352	L3
	BA4C-WO30-0915-1	Ocean Water	30	9/17/15	1828	L1676352	L3
	BA4C-WO55-0915-1	Ocean Water	55	9/17/15	1851	L1676352	L3
	BA4C-WO58-0915-1	Ocean Water	58	9/17/15	1903	L1676352	L3
BA4DC	BA4DC-WO5-0915-1	Ocean Water	5	9/23/15	1352	L1678061	L3
	BA4DC-WO20-0915-1	Ocean Water	20	9/23/15	1339	L1678061	L3
	BA4DC-WO35-0915-1	Ocean Water	36	9/23/15	1346	L1678061	L3
BA5B	BA5B-WO5-0915-1	Ocean Water	5	9/22/15	1032	L1678061	L3
	BA5B-WO75-0915-1	Ocean Water	75	9/22/15	1042	L1678061	L3
	BA5B-WO145-0915-1	Ocean Water	145	9/22/15	1058	L1678061	L3
BA5C	BA5C-WO5-0915-1	Ocean Water	5	9/22/15	1114	L1678061	L3
	BA5C-WO30-0915-1	Ocean Water	30	9/22/15	1159	L1678061	L3
	BA5C-WO55-0915-1	Ocean Water	55	9/22/15	1149	L1678061	L3
	BA5C-WO58-0915-1	Ocean Water	59	9/22/15	1123	L1678061	L3
	BA5C-WO58-0915-2	Replicate	59	9/22/15	1134	L1678061	L3
BA5DC	BA5DC-WO5-0915-1	Ocean Water	5	9/22/15	1307	L1678061	L3
	BA5DC-WO20-0915-1	Ocean Water	20	9/22/15	1300	L1678061	L3
	BA5DC-WO35-0915-1	Ocean Water	35	9/22/15	1251	L1678061	L3
	BA5DC-WO38-0915-1	Ocean Water	38	9/22/15	1231	L1678061	L3
	BA5DC-WO38-0915-2	Replicate	38	9/22/15	1242	L1678061	L3
BA6B	BA6B-WO5-0915-1	Ocean Water	5	9/22/15	1408	L1678061	L3

Table 1. Summary of Samples Collected and Data Validation Levels
First MNR Report
Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)
Los Angeles County, California

	BA6B-WO75-0915-1	Ocean Water	75	9/22/15	1357	L1678061	L3
	BA6B-WO145-0915-1	Ocean Water	130	9/22/15	1337	L1678061	L3
BA6BC	BA6BC-WO5-0915-1	Ocean Water	5	9/22/15	1443	L1678061	L3
	BA6BC-WO50-0915-1	Ocean Water	50	9/22/15	1435	L1678061	L3
	BA6BC-WO95-0915-1	Ocean Water	88	9/22/15	1424	L1678061	L3
BA6C	BA6C-WO5-0915-1	Ocean Water	5	9/22/15	1523	L1678061	L3
	BA6C-WO30-0915-1	Ocean Water	30	9/22/15	1512	L1678061	L3
	BA6C-WO55-0915-1	Ocean Water	54	9/24/15	1118	L1678771	L4
BA6DC	BA6DC-WO5-0915-1	Ocean Water	5	9/22/15	1556	L1678061	L3
	~~BA6DC-WO20-0915-1~~	~~Ocean Water~~	~~20~~	~~9/22/15~~	~~1547~~	NA	NA
	BA6DC-WO20-1115-1	Ocean Water	20	11/30/15	1122	L1709111	L3
	BA6DC-WO35-0915-1	Ocean Water	35	9/22/15	1539	L1678061	L3
BA7B	BA7B-WO5-0915-1	Ocean Water	5	9/24/15	1012	L1678771	L4
	BA7B-WO75-0915-1	Ocean Water	75	9/24/15	1037	L1678771	L4
	BA7B-WO145-0915-1	Ocean Water	140	9/24/15	1023	L1678771	L4
BA7BC	BA7BC-WO5-0915-1	Ocean Water	5	9/24/15	1048	L1678771	L4
	BA7BC-WO50-0915-1	Ocean Water	50	9/24/15	1057	L1678771	L4
	BA7BC-WO95-0915-1	Ocean Water	91	9/24/15	1107	L1678771	L4
BA7C	BA7C-WO5-0315-1	Ocean Water	5	3/31/15	1135	L1594359	L3
	BA7C-WO30-0315-1	Ocean Water	30	3/31/15	1143	L1594359	L3
	BA7C-WO55-0315-1	Ocean Water	55	3/31/15	1156	L1594359	L3
	BA7C-WO58-0315-1	Ocean Water	58	3/31/15	1227	L1594359	L3
BA7DC	BA7DC-WO5-0915-1	Ocean Water	5	9/22/15	1703	L1678061	L3
	BA7DC-WO20-0915-1	Ocean Water	20	9/22/15	1655	L1678061	L3
	BA7DC-WO35-0915-1	Ocean Water	35	9/22/15	1647	L1678061	L3
	BA7DC-WO38-0915-1	Replicate	39	9/22/15	1613	L1678061	L3
	BA7DC-WO38-0915-2	Ocean Water	39	9/22/15	1626	L1678061	L3
	BA7DC-WO38-0915-3	Collocate	39	9/22/15	1636	L1678061	L3

Table 1. Summary of Samples Collected and Data Validation Levels
First MNR Report
Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)
Los Angeles County, California

Location ID	Sample ID	Type*	Sample depth (meters)**	Sample date	Sample time	Lab SDG#	DV Level
BA8B	BA8B-WO5-0915-1	Ocean Water	5	9/24/15	0911	L1678771	L4
	BA8B-WO75-0915-1	Ocean Water	75	9/24/15	0902	L1678771	L4
	BA8B-WO145-0915-1	Ocean Water	142	9/24/15	0849	L1678771	L4
BA8BC	BA8BC-WO5-0915-1	Ocean Water	5	9/24/15	0953	L1678771	L4
	BA8BC-WO50-0915-1	Ocean Water	50	9/24/15	0920	L1678771	L4
	BA8BC-WO95-0915-1	Ocean Water	92	9/24/15	0929	L1678771	L4
BA8C	BA8C-WO5-0915-1	Ocean Water	5	9/24/15	10:01	L1678771	L4
	BA8C-WO30-0315-1	Ocean Water	30	3/31/15	1246	L1594359	L3
	BA8C-WO55-0315-1	Ocean Water	55	3/31/15	1258	L1594359	L3
	BA8C-WO58-0315-1	Replicate	58	3/31/15	1307	L1594359	L3
	BA8C-WO58-0315-2	Ocean Water	58	3/31/15	1316	L1594359	L3
	BA8C-WO58-0315-3	Collocate	58	3/31/15	1323	L1594359	L3
BA8DC	BA8DC-WO5-0915-1	Ocean Water	5	9/24/15	1209	L1678771	L4
	BA8DC-WO20-0915-1	Ocean Water	20	9/24/15	1204	L1678771	L4
	BA8DC-WO35-0915-1	Ocean Water	35	9/24/15	1157	L1678771	L4
	BA8DC-WO38-0915-1	Ocean Water	38	9/24/15	1149	L1678771	L4
BA9B	BA9B-WO5-0915-1	Ocean Water	5	9/24/15	0831	L1678771	L4
	BA9B-WO75-0915-1	Ocean Water	75	9/24/15	0824	L1678771	L4
	BA9B-WO145-0915-1	Ocean Water	146	9/24/15	0810	L1678771	L4
BA9BC	BA9BC-WO5-0915-1	Ocean Water	5	9/24/15	1229	L1678771	L4
	BA9BC-WO50-0915-1	Ocean Water	50	9/24/15	1247	L1678771	L4
	BA9BC-WO95-0915-1	Ocean Water	90	9/24/15	1237	L1678771	L4
BA9C	BA9C-WO5-0915-1	Ocean Water	5	9/24/15	1257	L1678771	L4
	BA9C-WO30-0915-1	Ocean Water	30	9/24/15	1318	L1678771	L4
	BA9C-WO55-0915-1	Ocean Water	56	9/24/15	1325	L1678771	L4
	BA9C-WO58-0915-1	Ocean Water	58	9/24/15	1304	L1678771	L4
BA9DC	BA9DC-WO5-0315-1	Ocean Water	5	3/31/15	0837	L1594359	L3
	BA9DC-WO20-0315-1	Ocean Water	20	3/31/15	0858	L1594359	L3

Table 1. Summary of Samples Collected and Data Validation Levels
First MNR Report
Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)
Los Angeles County, California

	BA9DC-WO35-03151	Ocean Water	35	3/31/15	0916	L1594359	L3
	BA9DC-WO38-0315-1	Replicate	38	3/31/15	0926	L1594359	L3
	BA9DC-WO38-0315-2	Ocean Water	38	3/31/15	0934	L1594359	L3
	BA9DC-WO38-0315-3	Collocate	38	3/31/15	0943	L1594359	L3
BA10B	BA10B-WO5-0915-1	Ocean Water	5	9/25/15	0802	L1679681	L3
	BA10B-WO75-0915-1	Ocean Water	75	9/25/15	0838	L1679681	L3
	BA10B-WO145-0915-1	Ocean Water	141	9/25/15	08:23	L1679681	L3
BA10C	BA10C-WO5-0915-1	Ocean Water	5	9/25/15	0736	L1679681	L3
	BA10C-WO30-0915-1	Ocean Water	30	9/25/15	0750	L1679681	L3
	BA10C-WO55-0915-1	Ocean Water	56	9/25/15	0742	L1679681	L3
BA10DC	BA10DC-WO5-0915-1	Ocean Water	5	9/15/15	1535	L1675327	L3
	BA10DC-WO20-0915-1	Ocean Water	20	9/15/15	1603	L1675327	L3
	BA10DC-WO35-0915-1	Ocean Water	35	9/15/15	1615	L1675327	L3
T11	T11-WO5-0915-1	Ocean Water	5	9/25/15	1030	L1679681	L3
	T11-WO30-0915-1	Ocean Water	30	9/25/15	1050	L1679681	L3
	T11-WO55-0915-1	Ocean Water	55	9/25/15	1043	L1679681	L3
	T11-WO58-0915-1	Ocean Water	58	9/25/15	1036	L1679681	L3
W1	W1-WO5-0915-1	Ocean Water	5	9/16/15	0842	L1675327	L3
	W1-WO30-0915-1	Ocean Water	30	9/16/15	0854	L1675327	L3
	W1-WO55-0915-1	Ocean Water	57	9/16/15	0910	L1675327	L3
	W1-WO58-0915-1	Ocean Water	60	9/16/15	0934	L1675327	L3
W2	W2-WO5-0915-1	Ocean Water	5	9/23/15	1048	L1678061	L3
	W2-WO100-0915-1	Ocean Water	100	9/23/15	0939	L1678061	L3
	W2-WO195-0915-1	Ocean Water	192	9/23/15	1036	L1678061	L3
	W2-WO198-0915-1	Ocean Water	202	9/23/15	0956	L1678061	L3
W3	W3-WO5-0915-1	Ocean Water	5	9/17/15	1646	L1676352	L3
	W3-WO100-0915-1	Ocean Water	100	9/17/15	1705	L1676352	L3
	W3-WO195-0915-1	Ocean Water	187	9/22/15	0949	L1678061	L3

Table 1. Summary of Samples Collected and Data Validation Levels
First MNR Report
Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)
Los Angeles County, California

	W3-WO198-0915-1	Ocean Water	200	9/17/15	1601	L1676352	L3
W4	W4-WO5-0315-1	Ocean Water	5	3/31/15	1014	L1594359	L3
	W4-WO100-0315-1	Ocean Water	100	3/31/15	1029	L1594359	L3
	W4-WO195-0315-1	Ocean Water	195	3/31/15	1048	L1594359	L3
	W4-WO198-0315-1	Ocean Water	198	3/31/15	1113	L1594359	L3
W5	W5-WO5-0915-1	Ocean Water	5	9/24/15	1350	L1678771	L4
	W5-WO30-0915-1	Ocean Water	30	9/24/15	1418	L1678771	L4
	W5-WO55-0915-1	Ocean Water	55	9/24/15	1411	L1678771	L4
	W5-WO58-0915-1	Ocean Water	53	9/24/15	1356	L1678771	L4
	W5-WO58-0915-2	Replicate	53	9/24/15	1403	L1678771	L4

Field Equipment Rinsate Samples

Location ID	Sample ID	Sample depth (meters)**	Sample date	Sample time	Lab SDG#	DV Level
WE	WQ-ER1-0315-1	NA	3/31/15	1335	L1594359	L3
WE	WQ-ER2-0915-1	NA	9/22/15	1850	L1678061	L3
WE	WQ-ER3-0915-1	NA	9/25/15	0905	L1679681	L3

Table 1. Summary of Samples Collected and Data Validation Levels
First MNR Report
Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)
Los Angeles County, California

Notes:

- * = Replicate or Collocated samples were collected from approximately the same depth during two or three sampler deployments.
- ** = Estimated sample depth below the ocean surface based on field estimates and the nominal depths to the ocean floor at each planned mooring and the 3-depth or 4-depth sampling schemes.
- DDTs = dichlorodiphenyltrichloroethane (DDT) and 7 metabolite isomers (including DDMU and DDNU)
- DV = data validation
- L3 = Level 3 (Tier 1B, S2BVEM) validation
- L4 = Level 4 (Tier 3, S3VEM) data validation
- m = meters below the ocean surface
- NA = not applicable
- PCBs = polychlorinated biphenyls (46 congeners)
- T11 = transect 11 reference location
- WO = ocean water sample
- WE = quality control equipment rinsate sample

Table 2. IUPAC to Common Analyte Name Cross-Reference
First MNR Report
Palos Verdes Self (OU 5 of the Montrose Chemical Corp. Surperfund Site)
Los Angeles County, California

Proper Name in Water Validation Report/Database	Common Name
o,p'-DDD	2,4'-DDD
o,p'-DDE	2,4'-DDE
o,p'-DDT	2,4'-DDT
p,p'-DDD	4,4'-DDD
p,p'-DDE	4,4'-DDE
p,p'-DDT	4,4',-DDT
1,1-BIS(P-CHLOROPHENYL)ETHENE	4,4'-DDNU
1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	4,4'-DDMU
2,4'-DICHLOBIPHENYL	PCB08
2,2',5-TRICHLOROBIPHENYL	PCB18
2,4,4'-TRICHLOROBIPHENYL	PCB28
2,4',5-TRICHLOROBIPHENYL	PCB31
3,4,4'-TRICHLOROBIPHENYL	PCB37
2,2',3,5'-TETRACHLOROBIPHENYL	PCB44
2,2',4,5'-TETRACHLOROBIPHENYL	PCB49
2,2',5,5'-TETRACHLOROBIPHENYL	PCB52
2,3',4,4'-TETRACHLOROBIPHENYL	PCB66
PCB061/ 070/074/076	PCB61/ 70/74
3,3',4,4'-TETRACHLOROBIPHENYL	PCB77
3,4,4',5-TETRACHLOROBIPHENYL	PCB81
2,2',3,4,5'-PENTACHLOROBIPHENYL/2,3',4,4',6-PENTACHLOROBIPHENYL	PCB 87/119
2,2',4,4',5-PENTACHLOROBIPHENYL	PCB99
2,2',4,5,5'-PENTACHLOROBIPHENYL	PCB101
2,3,3',4,4'-PENTACHLOROBIPHENYL	PCB105
2,3,3',4',6-PENTACHLOROBIPHENYL	PCB110
2,3,4,4',5-Pentachlorobiphenyl	PCB114
2,3',4,4',5-PENTACHLOROBIPHENYL	PCB118
2',3,4,4',5-PENTACHLOROBIPHENYL	PCB123
3,3',4,4',5-PENTACHLOROBIPHENYL	PCB126
2,2',3,3',4,4'-HEXACHLOROBIPHENYL	PCB128
2,2',3,4,4',5'-HEXACHLOROBIPHENYL	PCB138
2,2',3,4',5',6-HEXACHLOROBIPHENYL	PCB149
2,2',3,5,5',6-HEXACHLOROBIPHENYL	PCB151
2,2',4,4',5,5'-HEXACHLOROBIPHENYL/2,3',4,4',5,6'-HEXACHLOROBIPHENYL	PCB 153/168
2,3,3',4,4',5-HEXACHLOROBIPHENYL/2,3,3',4,4',5'-HEXACHLOROBIPHENYL	PCB 156/157
2,3,3',4,4',6-HEXACHLOROBIPHENYL	PCB158
2,3',4,4',5,5'-HEXACHLOROBIPHENYL	PCB167
3,3',4,4',5,5'-HEXACHLOROBIPHENYL	PCB169
2,2',3,3',4,4',5-HEPTACHLOROBIPHENYL	PCB170
2,2',3,3',4,5',6'-HEPTACHLOROBIPHENYL	PCB177

Table 2. IUPAC to Common Analyte Name Cross-Reference
First MNR Report
Palos Verdes Self (OU 5 of the Montrose Chemical Corp. Surperfund Site)
Los Angeles County, California

Proper Name in Water Validation Report/Database	Common Name
2,2',3,4,4',5,5'-HEPTACHLOROBIPHENYL	PCB180
2,2',3,4,4',5',6-HEPTACHLOROBIPHENYL	PCB183
2,2',3,4',5,5',6-HEPTACHLOROBIPHENYL	PCB187
2,3,3',4,4',5,5'-HEPTACHLOROBIPHENYL	PCB189
2,2',3,3',4,4',5,5'-OCTACHLOROBIPHENYL	PCB194
2,2',3,3',4,4',5,6-OCTACHLOROBIPHENYL	PCB195
2,2',3,3',4,5',6,6'-OctaChloroBiphenyl	PCB201
2,2',3,4,4',5,5',6-OCTACHLOROBIPHENYL	PCB203
2,2',3,3',4,4',5,5',6-NONACHLOROBIPHENYL	PCB206
2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	PCB209

Notes:

Bold PCB congeners are the target analytes in coelutes (i.e., the 46 target PCB congeners are reported in only 42 results per sample).

Table 3. Laboratory Control Spike Precision Evaluation
First MNR Report
Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)
Los Angeles County, California

SDG	LABSAMPID	Method	PCB #	PARLABEL	%R
L1594359	WG2064239-2	E1668C	PCB105	PECB23344	110
L1594359	WG2065187-2	E1668C	PCB105	PECB23344	123
L1675327	WG2175642-2	E1668C	PCB105	PECB23344	105
L1675327	WG2176880-2	E1668C	PCB105	PECB23344	104
L1676352	WG2177847-2	E1668C	PCB105	PECB23344	115
L1678061	WG2178898-2	E1668C	PCB105	PECB23344	106
L1678061	WG2180014-2	E1668C	PCB105	PECB23344	105
L1678061	WG2180279-2	E1668C	PCB105	PECB23344	115
L1678061	WG2180473-2	E1668C	PCB105	PECB23344	106
L1678771	WG2180473-2	E1668C	PCB105	PECB23344	106
L1678771	WG2181741-2	E1668C	PCB105	PECB23344	108
L1678771	WG2182793-2	E1668C	PCB105	PECB23344	108
L1679681	WG2182793-2	E1668C	PCB105	PECB23344	108
L1679681	WG2183255-2	E1668C	PCB105	PECB23344	109
L1709111	WG2227105-2	E1668C	PCB105	PECB23344	110

Average: 109.2

SD: 5.0455

UCL (1XSD): 114.25

LCL (1XSD): 104.15

UCL (2XSD): 119.29

LCL (2XSD): 99.109

SDG	LABSAMPID	Method	PCB #	PARLABEL	%R
L1594359	WG2064239-2	E1668C	PCB126	PECB33445	104
L1594359	WG2065187-2	E1668C	PCB126	PECB33445	124
L1675327	WG2175642-2	E1668C	PCB126	PECB33445	103
L1675327	WG2176880-2	E1668C	PCB126	PECB33445	101
L1676352	WG2177847-2	E1668C	PCB126	PECB33445	111
L1678061	WG2178898-2	E1668C	PCB126	PECB33445	108
L1678061	WG2180014-2	E1668C	PCB126	PECB33445	104
L1678061	WG2180279-2	E1668C	PCB126	PECB33445	113
L1678061	WG2180473-2	E1668C	PCB126	PECB33445	107
L1678771	WG2180473-2	E1668C	PCB126	PECB33445	107
L1678771	WG2181741-2	E1668C	PCB126	PECB33445	109
L1678771	WG2182793-2	E1668C	PCB126	PECB33445	107
L1679681	WG2182793-2	E1668C	PCB126	PECB33445	107
L1679681	WG2183255-2	E1668C	PCB126	PECB33445	107
L1709111	WG2227105-2	E1668C	PCB126	PECB33445	109

Average: 108.07

SD: 5.3648

UCL (1XSD): 113.43

LCL (1XSD): 102.7

UCL (2XSD): 118.8

LCL (2XSD): 97.337

%R = percent LCS spike recovery

LCL = lower control limit

LCS = laboratory control sample

RSD = relative standard deviation

SDG = sample delivery group

UCL = upper control Limit

SDG	LABSAMPID	Method	PCB #	PARLABEL	%R
L1594359	WG2064239-2	E1668C	PCB114	PECB2344'5	111
L1594359	WG2065187-2	E1668C	PCB114	PECB2344'5	125
L1675327	WG2175642-2	E1668C	PCB114	PECB2344'5	110
L1675327	WG2176880-2	E1668C	PCB114	PECB2344'5	109
L1676352	WG2177847-2	E1668C	PCB114	PECB2344'5	116
L1678061	WG2178898-2	E1668C	PCB114	PECB2344'5	108
L1678061	WG2180014-2	E1668C	PCB114	PECB2344'5	107
L1678061	WG2180279-2	E1668C	PCB114	PECB2344'5	117
L1678061	WG2180473-2	E1668C	PCB114	PECB2344'5	108
L1678771	WG2180473-2	E1668C	PCB114	PECB2344'5	108
L1678771	WG2181741-2	E1668C	PCB114	PECB2344'5	111
L1678771	WG2182793-2	E1668C	PCB114	PECB2344'5	109
L1679681	WG2182793-2	E1668C	PCB114	PECB2344'5	109
L1679681	WG2183255-2	E1668C	PCB114	PECB2344'5	111
L1709111	WG2227105-2	E1668C	PCB114	PECB2344'5	114

Average: 111.53

SD: 4.764

UCL (1XSD): 116.3

LCL (1XSD): 106.77

UCL (2XSD): 121.06

LCL (2XSD): 102.01

SDG	LABSAMPID	Method	PCB #	PARLABEL	%R
L1594359	WG2064239-2	E1668C	PCB156/157	PCB156/157	105
L1594359	WG2065187-2	E1668C	PCB156/157	PCB156/157	109
L1675327	WG2175642-2	E1668C	PCB156/157	PCB156/157	99
L1675327	WG2176880-2	E1668C	PCB156/157	PCB156/157	98
L1676352	WG2177847-2	E1668C	PCB156/157	PCB156/157	103
L1678061	WG2178898-2	E1668C	PCB156/157	PCB156/157	99
L1678061	WG2180014-2	E1668C	PCB156/157	PCB156/157	100
L1678061	WG2180279-2	E1668C	PCB156/157	PCB156/157	113
L1678061	WG2180473-2	E1668C	PCB156/157	PCB156/157	102
L1678771	WG2180473-2	E1668C	PCB156/157	PCB156/157	102
L1678771	WG2181741-2	E1668C	PCB156/157	PCB156/157	103
L1678771	WG2182793-2	E1668C	PCB156/157	PCB156/157	104
L1679681	WG2182793-2	E1668C	PCB156/157	PCB156/157	104
L1679681	WG2183255-2	E1668C	PCB156/157	PCB156/157	103
L1709111	WG2227105-2	E1668C	PCB156/157	PCB156/157	103

Average: 103.13

SD: 3.8705

UCL (1XSD): 107

LCL (1XSD): 99.263

UCL (2XSD): 110.87

LCL (2XSD): 95.392

93 Analyte recovery is outside $\pm$ one standard deviation (SD) from the average LCS analyte recovery for the project.

50 Analyte recovery is outside $\pm$ two SDs from the average LCS analyte recovery for the project.

Table 3. Laboratory Control Spike Precision Evaluation
First MNR Report
Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)
Los Angeles County, California

SDG	LABSAMPID	Method	PCB #	PARLABEL	%R
L1594359	WG2064239-2	E1668C	PCB189	HPCB233445	110
L1594359	WG2065187-2	E1668C	PCB189	HPCB233445	122
L1675327	WG2175642-2	E1668C	PCB189	HPCB233445	114
L1675327	WG2176880-2	E1668C	PCB189	HPCB233445	114
L1676352	WG2177847-2	E1668C	PCB189	HPCB233445	120
L1678061	WG2178898-2	E1668C	PCB189	HPCB233445	115
L1678061	WG2180014-2	E1668C	PCB189	HPCB233445	112
L1678061	WG2180279-2	E1668C	PCB189	HPCB233445	123
L1678061	WG2180473-2	E1668C	PCB189	HPCB233445	123
L1678771	WG2180473-2	E1668C	PCB189	HPCB233445	123
L1678771	WG2181741-2	E1668C	PCB189	HPCB233445	114
L1678771	WG2180279-2	E1668C	PCB189	HPCB233445	116
L1679681	WG2182793-2	E1668C	PCB189	HPCB233445	116
L1679681	WG2183255-2	E1668C	PCB189	HPCB233445	116
L1709111	WG2227105-2	E1668C	PCB189	HPCB233445	116

Average: 116.93

SD: 4.2337

UCL (1XSD): 121.17

LCL (1XSD): 112.7

UCL (2XSD): 125.4

LCL (2XSD): 108.47

SDG	LABSAMPID	Method	PCB #	PARLABEL	%R
L1594359	WG2064239-2	E1668C	PCB206	NCB223344556	115
L1594359	WG2065187-2	E1668C	PCB206	NCB223344556	125
L1675327	WG2175642-2	E1668C	PCB206	NCB223344556	118
L1675327	WG2176880-2	E1668C	PCB206	NCB223344556	117
L1676352	WG2177847-2	E1668C	PCB206	NCB223344556	127
L1678061	WG2178898-2	E1668C	PCB206	NCB223344556	118
L1678061	WG2180014-2	E1668C	PCB206	NCB223344556	118
L1678061	WG2180279-2	E1668C	PCB206	NCB223344556	120
L1678061	WG2180473-2	E1668C	PCB206	NCB223344556	114
L1678771	WG2180473-2	E1668C	PCB206	NCB223344556	114
L1678771	WG2181741-2	E1668C	PCB206	NCB223344556	116
L1678771	WG2182793-2	E1668C	PCB206	NCB223344556	122
L1679681	WG2182793-2	E1668C	PCB206	NCB223344556	122
L1679681	WG2183255-2	E1668C	PCB206	NCB223344556	118
L1709111	WG2227105-2	E1668C	PCB206	NCB223344556	129

Average: 119.53

SD: 4.6116

UCL (1XSD): 124.14

LCL (1XSD): 114.92

UCL (2XSD): 128.76

LCL (2XSD): 110.31

SDG	LABSAMPID	Method	PCB #	PARLABEL	%R
L1594359	WG2064239-2	E1668C	PCB77	TECB3344	108
L1594359	WG2065187-2	E1668C	PCB77	TECB3344	116
L1675327	WG2175642-2	E1668C	PCB77	TECB3344	95
L1675327	WG2176880-2	E1668C	PCB77	TECB3344	93
L1676352	WG2177847-2	E1668C	PCB77	TECB3344	103
L1678061	WG2178898-2	E1668C	PCB77	TECB3344	99
L1678061	WG2180014-2	E1668C	PCB77	TECB3344	93
L1678061	WG2180279-2	E1668C	PCB77	TECB3344	104
L1678061	WG2180473-2	E1668C	PCB77	TECB3344	94
L1678771	WG2180473-2	E1668C	PCB77	TECB3344	94
L1678771	WG2181741-2	E1668C	PCB77	TECB3344	96
L1678771	WG2182793-2	E1668C	PCB77	TECB3344	97
L1679681	WG2182793-2	E1668C	PCB77	TECB3344	97
L1679681	WG2183255-2	E1668C	PCB77	TECB3344	98
L1709111	WG2227105-2	E1668C	PCB77	TECB3344	103

Average: 99.333

SD: 6.4439

UCL (1XSD): 105.78

LCL (1XSD): 92.889

UCL (2XSD): 112.22

LCL (2XSD): 86.446

SDG	LABSAMPID	Method	PCB #	PARLABEL	%R
L1594359	WG2064239-2	E1668C	PCB81	TECB3445	106
L1594359	WG2065187-2	E1668C	PCB81	TECB3445	115
L1675327	WG2175642-2	E1668C	PCB81	TECB3445	104
L1675327	WG2176880-2	E1668C	PCB81	TECB3445	104
L1676352	WG2177847-2	E1668C	PCB81	TECB3445	108
L1678061	WG2178898-2	E1668C	PCB81	TECB3445	106
L1678061	WG2180014-2	E1668C	PCB81	TECB3445	100
L1678061	WG2180279-2	E1668C	PCB81	TECB3445	111
L1678061	WG2180473-2	E1668C	PCB81	TECB3445	103
L1678771	WG2180473-2	E1668C	PCB81	TECB3445	103
L1678771	WG2181741-2	E1668C	PCB81	TECB3445	105
L1678771	WG2182793-2	E1668C	PCB81	TECB3445	103
L1679681	WG2182793-2	E1668C	PCB81	TECB3445	103
L1679681	WG2183255-2	E1668C	PCB81	TECB3445	103
L1709111	WG2227105-2	E1668C	PCB81	TECB3445	106

Average: 105.33

SD: 3.7161

UCL (1XSD): 109.05

LCL (1XSD): 101.62

UCL (2XSD): 112.77

LCL (2XSD): 97.901

%R = percent LCS spike recovery

LCL = lower control limit

LCS = laboratory control sample

RSD = relative standard deviation

SDG = sample delivery group

UCL = upper control limit

93 Analyte recovery is outside $\pm$ one standard deviation (SD) from the average LCS analyte recovery for the project.

50 Analyte recovery is outside $\pm$ two SDs from the average LCS analyte recovery for the project.

Table 3. Laboratory Control Spike Precision Evaluation
First MNR Report
Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)
Los Angeles County, California

SDG	LABSAMPID	Method	PCB #	PARLABEL	%R
L1594359	WG2064239-2	E1668C	PCB118	PECB23'44'5	111
L1594359	WG2065187-2	E1668C	PCB118	PECB23'44'5	124
L1675327	WG2175642-2	E1668C	PCB118	PECB23'44'5	106
L1675327	WG2176880-2	E1668C	PCB118	PECB23'44'5	109
L1676352	WG2177847-2	E1668C	PCB118	PECB23'44'5	115
L1678061	WG2178898-2	E1668C	PCB118	PECB23'44'5	108
L1678061	WG2180014-2	E1668C	PCB118	PECB23'44'5	107
L1678061	WG2180279-2	E1668C	PCB118	PECB23'44'5	116
L1678061	WG2180473-2	E1668C	PCB118	PECB23'44'5	111
L1678771	WG2180473-2	E1668C	PCB118	PECB23'44'5	111
L1678771	WG2181741-2	E1668C	PCB118	PECB23'44'5	111
L1678771	WG2182793-2	E1668C	PCB118	PECB23'44'5	109
L1679681	WG2182793-2	E1668C	PCB118	PECB23'44'5	109
L1679681	WG2183255-2	E1668C	PCB118	PECB23'44'5	112
L1709111	WG2227105-2	E1668C	PCB118	PECB23'44'5	114

Average: 111.53

SD: 4.454

UCL (1XSD): 115.99

LCL (1XSD): 107.08

UCL (2XSD): 120.44

LCL (2XSD): 102.63

SDG	LABSAMPID	Method	PCB #	PARLABEL	%R
L1594359	WG2064239-2	E1668C	PCB167	HXCB234455	104
L1594359	WG2065187-2	E1668C	PCB167	HXCB234455	111
L1675327	WG2175642-2	E1668C	PCB167	HXCB234455	99
L1675327	WG2176880-2	E1668C	PCB167	HXCB234455	98
L1676352	WG2177847-2	E1668C	PCB167	HXCB234455	103
L1678061	WG2178898-2	E1668C	PCB167	HXCB234455	97
L1678061	WG2180014-2	E1668C	PCB167	HXCB234455	102
L1678061	WG2180279-2	E1668C	PCB167	HXCB234455	114
L1678061	WG2180473-2	E1668C	PCB167	HXCB234455	103
L1678771	WG2180473-2	E1668C	PCB167	HXCB234455	103
L1678771	WG2181741-2	E1668C	PCB167	HXCB234455	105
L1678771	WG2182793-2	E1668C	PCB167	HXCB234455	105
L1679681	WG2182793-2	E1668C	PCB167	HXCB234455	105
L1679681	WG2183255-2	E1668C	PCB167	HXCB234455	105
L1709111	WG2227105-2	E1668C	PCB167	HXCB234455	103

Average: 103.8

SD: 4.3948

UCL (1XSD): 108.19

LCL (1XSD): 99.405

UCL (2XSD): 112.59

LCL (2XSD): 95.01

%R = percent LCS spike recovery

LCL = lower control limit

LCS = laboratory control sample

RSD = relative standard deviation

SDG = sample delivery group

UCL = upper control Limit

SDG	LABSAMPID	Method	PCB #	PARLABEL	%R
L1594359	WG2064239-2	E1668C	PCB123	PECB2'344'5	108
L1594359	WG2065187-2	E1668C	PCB123	PECB2'344'5	127
L1675327	WG2175642-2	E1668C	PCB123	PECB2'344'5	109
L1675327	WG2176880-2	E1668C	PCB123	PECB2'344'5	108
L1676352	WG2177847-2	E1668C	PCB123	PECB2'344'5	115
L1678061	WG2178898-2	E1668C	PCB123	PECB2'344'5	109
L1678061	WG2180014-2	E1668C	PCB123	PECB2'344'5	109
L1678061	WG2180279-2	E1668C	PCB123	PECB2'344'5	119
L1678061	WG2180473-2	E1668C	PCB123	PECB2'344'5	109
L1678771	WG2180473-2	E1668C	PCB123	PECB2'344'5	109
L1678771	WG2181741-2	E1668C	PCB123	PECB2'344'5	113
L1678771	WG2182793-2	E1668C	PCB123	PECB2'344'5	112
L1679681	WG2182793-2	E1668C	PCB123	PECB2'344'5	112
L1679681	WG2183255-2	E1668C	PCB123	PECB2'344'5	113
L1709111	WG2227105-2	E1668C	PCB123	PECB2'344'5	114

Average: 112.4

SD: 5.0962

UCL (1XSD): 117.5

LCL (1XSD): 107.3

UCL (2XSD): 122.59

LCL (2XSD): 102.21

SDG	LABSAMPID	Method	PCB #	PARLABEL	%R
L1594359	WG2064239-2	E1668C	PCB169	HXCB334455	100
L1594359	WG2065187-2	E1668C	PCB169	HXCB334455	111
L1675327	WG2175642-2	E1668C	PCB169	HXCB334455	93
L1675327	WG2176880-2	E1668C	PCB169	HXCB334455	91
L1676352	WG2177847-2	E1668C	PCB169	HXCB334455	101
L1678061	WG2178898-2	E1668C	PCB169	HXCB334455	94
L1678061	WG2180014-2	E1668C	PCB169	HXCB334455	97
L1678061	WG2180279-2	E1668C	PCB169	HXCB334455	111
L1678061	WG2180473-2	E1668C	PCB169	HXCB334455	99
L1678771	WG2180473-2	E1668C	PCB169	HXCB334455	99
L1678771	WG2181741-2	E1668C	PCB169	HXCB334455	102
L1678771	WG2182793-2	E1668C	PCB169	HXCB334455	100
L1679681	WG2182793-2	E1668C	PCB169	HXCB334455	100
L1679681	WG2183255-2	E1668C	PCB169	HXCB334455	103
L1709111	WG2227105-2	E1668C	PCB169	HXCB334455	102

Average: 100.2

SD: 5.5831

UCL (1XSD): 105.78

LCL (1XSD): 94.617

UCL (2XSD): 111.37

LCL (2XSD): 89.034

93 Analyte recovery is outside $\pm$ one standard deviation (SD) from the average LCS analyte recovery for the project.

50 Analyte recovery is outside $\pm$ two SDs from the average LCS analyte recovery for the project.

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First MNR Report
Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)
Los Angeles County, California

SDG	LABSAMPID	Method	PCB #	PARLABEL	%R
L1594359	WG2064239-2	E1668C	PCB209	DECACB23456	120
L1594359	WG2065187-2	E1668C	PCB209	DECACB23456	114
L1675327	WG2175642-2	E1668C	PCB209	DECACB23456	111
L1675327	WG2176880-2	E1668C	PCB209	DECACB23456	108
L1676352	WG2177847-2	E1668C	PCB209	DECACB23456	120
L1678061	WG2178898-2	E1668C	PCB209	DECACB23456	111
L1678061	WG2180014-2	E1668C	PCB209	DECACB23456	111
L1678061	WG2180279-2	E1668C	PCB209	DECACB23456	120
L1678061	WG2180473-2	E1668C	PCB209	DECACB23456	111
L1678771	WG2180473-2	E1668C	PCB209	DECACB23456	111
L1678771	WG2181741-2	E1668C	PCB209	DECACB23456	114
L1678771	WG2182793-2	E1668C	PCB209	DECACB23456	112
L1679681	WG2182793-2	E1668C	PCB209	DECACB23456	112
L1679681	WG2183255-2	E1668C	PCB209	DECACB23456	116
L1709111	WG2227105-2	E1668C	PCB209	DECACB23456	112

Average: 113.53

SD: 3.796

UCL (1XSD): 117.33

LCL (1XSD): 109.74

UCL (2XSD): 121.13

LCL (2XSD): 105.94

SDG	LABSAMPID	Method	PCB #	PARLABEL	%R
L1594359	WG2064239-2	E1668C	PCB37	PCB37	90
L1594359	WG2065187-2	E1668C	PCB37	PCB37	106
L1675327	WG2175642-2	E1668C	PCB37	PCB37	81
L1675327	WG2176880-2	E1668C	PCB37	PCB37	81
L1676352	WG2177847-2	E1668C	PCB37	PCB37	91
L1678061	WG2178898-2	E1668C	PCB37	PCB37	85
L1678061	WG2180014-2	E1668C	PCB37	PCB37	85
L1678061	WG2180279-2	E1668C	PCB37	PCB37	97
L1678061	WG2180473-2	E1668C	PCB37	PCB37	89
L1678771	WG2180473-2	E1668C	PCB37	PCB37	89
L1678771	WG2181741-2	E1668C	PCB37	PCB37	88
L1678771	WG2182793-2	E1668C	PCB37	PCB37	87
L1679681	WG2182793-2	E1668C	PCB37	PCB37	87
L1679681	WG2183255-2	E1668C	PCB37	PCB37	94
L1709111	WG2227105-2	E1668C	PCB37	PCB37	96

Average: 89.733

SD: 6.5079

UCL (1XSD): 96.241

LCL (1XSD): 83.225

UCL (2XSD): 102.75

LCL (2XSD): 76.718

%R = percent LCS spike recovery

LCL = lower control limit

LCS = laboratory control sample

RSD = relative standard deviation

SDG = sample delivery group

UCL = upper control Limit

93 Analyte recovery is outside $\pm$ one standard deviation (SD) from the average LCS analyte recovery for the project.

50 Analyte recovery is outside $\pm$ two SDs from the average LCS analyte recovery for the project.

ATTACHMENT 1
DATA REVIEW AND VALIDATION REPORTS

Facility: EPA, Region 9
 Event: PV Shelf Water
 Guidance Document: Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery Component Palos Verdes Shelf, Los Angeles County, California
 Contract Laboratory: ALS LAB GROUP, BURLINGTON, ON CANADA
 Field Contractor: Gilbane Company, Walnut Creek, CA
 Data Review Contractor: Verdian Environmental, Inc.
 SDG: L1594359, Certified - 5/27/2016 by wtse
 QC Level: S2BVEM
 Project Manager: Robert Lindfors
 Data Reviewer: Lynn Sandsor
 Data Reviewer Title: Senior Quality Assurance Chemist
 Date of Review Report: May 01, 2016
 Second Reviewer: Tracy Young
 Completion Date of Second Reviewer: August 26, 2016

Analytical Method/ Leach Method	Normal Water Samples	Field QC Water Samples
E1668C/NONE	16	4
E1699/NONE	15	5

This report assesses the analytical data quality associated with the analyses listed on the preceding cover page. This assessment has been made through a combination of automated data review (ADR) and supplemental manual review, the details of which are described below. The approach taken in the review of this data set is consistent with the requirements contained in the Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery Component Palos Verdes Shelf, Los Angeles County, California to the extent possible. Where definitive guidance is not provided, data has been evaluated in a conservative manner using professional judgment. In cases where two qualifiers are listed as an action, such as 'J/UJ', the first qualifier applies to positive results, and the second to non-detect results.

Samples were collected by Gilbane Company, Walnut Creek, CA; analyses were performed by ALS LAB GROUP, BURLINGTON, ON CANADA and were reported under sample delivery group (SDG) L1594359. Results have been evaluated electronically using electronic data deliverables (EDDs) provided by the laboratory. The laboratory data summary forms (hard copy) have been reviewed during this effort and compared to the automated review output. Findings based on the automated data submission and manual data verification processes are detailed in the ADR narrative.

The following quality control elements were supported by the electronic deliverable and were evaluated during this review effort:

- Blank
- Blank - Negative
- Equipment Blank
- Field Duplicate
- LCS Recovery
- Prep Hold Time
- Surrogate
- Test Hold Time

The following quality control elements were either not applicable to the deliverable, or were not supported by the electronic deliverable, and were therefore not included in the automated data review. Those elements required for the project were reviewed manually, as narrated in the Comment section below.

- Ambient Blank
- Calibration Blank
- Calibration Blank - Negative
- Continuing Calibration Verification
- Field Blank
- Initial Calibration Verification
- Lab Replicate RPD
- Material Blank
- MS Recovery
- MS RPD
- Negative Blank
- Trip Blank

A representative sampling or ten percent of sample and QC results were manually evaluated for compliance with project specific requirements and consistency with hard copy results. The following summaries were generated during the evaluation of this data set and are included in this report as applicable.

Batch – The analytical batch report is reviewed for completeness and compliance with project specific requirements. Incomplete or non-compliant run sequences are identified and their impact on data quality are discussed in the narrative.

QC Outlier – Results exceeding the evaluation criteria are reviewed for compliance with project requirements and a minimum of ten percent of the non-compliant QC values reported electronically are verified for consistency with hard-copy values.

Qualified Results – Qualified results are evaluated for compliance with project requirements and ten percent of qualified results are verified for consistency with the QC Outliers.

Rejected Results – All rejected results are evaluated for compliance with project requirements. The reason for rejection of the data is verified against hard copy data.

Field Duplicates – Field duplicate comparison results are evaluated for compliance with project requirements and ten percent of values reported are verified for consistency with the hard-copy data.

Data Submission Warnings – Warnings encountered during the data submission process are evaluated and their affect on data quality is discussed in the narrative below.

Analytical deficiencies, project non-compliance issues and inconsistencies with hard copy results observed during ADR evaluation process and their impact on data quality are summarized in the narrative below.

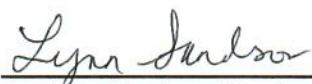
A total of 557 results (60.87%) out of the 915 results (sample and field QC samples) reported are qualified based on review and 0 results (0.00%) have been rejected. Trace values are not counted as qualified results in the above count. The qualified results are detailed in the following tables and discussed in the narrative below, where appropriate.

Narrative Comments

Project samples listed on COC include 19 individual samples, with results submitted in two data packages. Samples received in good condition per case narrative.

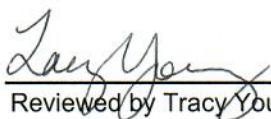
The cap of Client Sample ID BA8C-WO5-0315-1 broke during transit and a small volume of the sample was lost. The client was contacted and the analysis of this sample was canceled.

Analytical Method	Comment
E1668C	Four PCB compounds co-eluted and were reported as combined analytes: PCB-70 and -74, PCB -87 and -119, PCB-153 and -168, and PCB-156 and -157. The PCB portion of the extract underwent acid/silica gel and alumina chromatography cleanup prior to concentration to 15 uL volume. A solution of the 1668C injection standards was added to the extract to provide a final volume of 20 uL for instrumental analysis for PCB via 1668C.
E1699	DDNU, DDMU, and 2,4'-DDE/DDD calculated using one to two internal standards. 2,4'-DDT calculated using one internal standard and corrected relative to 13C12-DDE. It was noted in the case narrative that the sample matrix was particularly problematic.



Reviewed by Lynn Sanders, Senior Quality Assurance
Chemist

May 01, 2016



Reviewed by Tracy Young

August 26, 2016

Reason Code Definitions

Code	Definition
B1	The analyte was found in an associated method blank.
C11	Continuing Calibration Verification percent recovery, percent difference, or percent drift
D5	Field duplicate precision
G	Initial Calibration RRF
G4	Ion abundance ratios are outside criteria - estimated maximum possible concentration (EMPC) reported
H2	Prep Hold Time
K1	Detected in the associated equipment rinsate blank.
L	Percent recovery of laboratory control sample recovery was outside established limits
S	Surrogate recovery out of criteria (upper or lower limit)
TR	Trace Level Detect

Flag Code and Definitions

Flag	Definition
J	Estimated: The analyte was positively identified, the quantitation is an estimation due to discrepancies in meeting certain analyte-specific quality control criteria.
N	The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification".
NJ	The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.
R	The data are rejected due to deficiencies in meeting QC criteria and may not be used for decision making.
U	Undetected: The analyte was analyzed for, but not detected.
UJ	The analyte was not detected; however, the result is estimated due to discrepancies in meeting certain analyte-specific quality control criteria.

Automated Data Review Detail Report for L1594359

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery
Component Palos Verdes Shelf, Los Angeles County, California

Batch Report

Test Method: E1668C

Analysis Batch: R3186253

Location	Matrix	Field Sample ID	Lab Sample ID	Calibration Ref	Run#/Dil'n	Collection Date/Time	Extraction Date/Time	Analysis Date/Time	Prep/Leach Batch	Sample Type
LABQC	WQ	LABQC	WG2065187-1		1/1	4/7/2015 00:00	4/7/2015 00:00	5/17/2015 09:43	R3186253/	LB
LABQC	WQ	LABQC	WG2065187-2		1/1	4/7/2015 00:00	4/7/2015 00:00	5/17/2015 11:02	R3186253/	BS
BA7C	WO	BA7C-WO5-0315-1	L1594359-13		1/1	3/31/2015 11:35	4/7/2015 00:00	5/17/2015 12:21	R3186253/	N
BA7C	WO	BA7C-WO55-0315-1	L1594359-15		1/1	3/31/2015 11:56	4/7/2015 00:00	5/17/2015 13:40	R3186253/	N
BA7C	WO	BA7C-WO58-0315-1	L1594359-16		1/1	3/31/2015 12:27	4/7/2015 00:00	5/17/2015 14:20	R3186253/	N
FIELDQC	WQ	WQ-ER1-0315-1	L1594359-17		1/1	3/31/2015 13:35	4/7/2015 00:00	5/17/2015 14:59	R3186253/	EB
BA8C	WO	BA8C-WO30-0315-1	L1594359-19		1/1	3/31/2015 12:46	4/7/2015 00:00	5/17/2015 15:39	R3186253/	N
BA8C	WO	BA8C-WO55-0315-1	L1594359-20		1/1	3/31/2015 12:58	4/7/2015 00:00	5/17/2015 16:19	R3186253/	N
BA8C	WO	BA8C-WO58-0315-2	L1594359-23		1/1	3/31/2015 13:16	4/7/2015 00:00	5/17/2015 17:37	R3186253/	N
LABQC	WQ	LABQC	WG2065187-1		1/5	4/7/2015 00:00	4/7/2015 00:00	6/8/2015 18:06	R3186253/	LB
BA7C	WO	BA7C-WO30-0315-1	L1594359-14		1/1	3/31/2015 11:43	4/7/2015 00:00	6/8/2015 21:23	R3186253/	N
BA8C	WO	BA8C-WO58-0315-3	L1594359-25		1/1	3/31/2015 13:23	4/7/2015 00:00	6/8/2015 22:03	R3186253/	FD
BA7C	WO	BA7C-WO5-0315-1	L1594359-13		1/5	3/31/2015 11:35	4/7/2015 00:00	6/9/2015 04:48	R3186253/	N
BA7C	WO	BA7C-WO55-0315-1	L1594359-15		1/5	3/31/2015 11:56	4/7/2015 00:00	6/9/2015 05:28	R3186253/	N
BA7C	WO	BA7C-WO58-0315-1	L1594359-16		1/5	3/31/2015 12:27	4/7/2015 00:00	6/9/2015 06:07	R3186253/	N
FIELDQC	WQ	WQ-ER1-0315-1	L1594359-17		1/5	3/31/2015 13:35	4/7/2015 00:00	6/9/2015 06:47	R3186253/	EB
BA8C	WO	BA8C-WO30-0315-1	L1594359-19		1/5	3/31/2015 12:46	4/7/2015 00:00	6/9/2015 07:26	R3186253/	N
BA8C	WO	BA8C-WO55-0315-1	L1594359-20		1/5	3/31/2015 12:58	4/7/2015 00:00	6/9/2015 08:06	R3186253/	N
BA8C	WO	BA8C-WO58-0315-2	L1594359-23		1/5	3/31/2015 13:16	4/7/2015 00:00	6/9/2015 09:25	R3186253/	N
BA7C	WO	BA7C-WO30-0315-1	L1594359-14		1/5	3/31/2015 11:43	4/7/2015 00:00	6/9/2015 21:13	R3186253/	N
BA8C	WO	BA8C-WO58-0315-3	L1594359-25		1/5	3/31/2015 13:23	4/7/2015 00:00	6/9/2015 21:53	R3186253/	FD

Automated Data Review Detail Report for L1594359

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery
Component Palos Verdes Shelf, Los Angeles County, California

Batch Report

Test Method: E1668C		Analysis Batch: R3188625								
Location	Matrix	Field Sample ID	Lab Sample ID	Calibration Ref	Run#/ Dil'n	Collection Date/Time	Extraction Date/Time	Analysis Date/Time	Prep/Leach Batch	Sample Type
LABQC	WQ	LABQC	WG2064239-2		1/1	4/6/2015 00:00	4/6/2015 00:00	5/16/2015 22:21	R3188625/	BS
LABQC	WQ	LABQC	WG2064239-1		1/1	4/6/2015 00:00	4/6/2015 00:00	5/17/2015 00:20	R3188625/	LB
BA9DC	WO	BA9DC-WO5-0315-1	L1594359-1		1/1	3/31/2015 08:37	4/6/2015 00:00	5/17/2015 00:59	R3188625/	N
BA9DC	WO	BA9DC-WO20-0315-1	L1594359-2		1/1	3/31/2015 08:58	4/6/2015 00:00	5/17/2015 01:39	R3188625/	N
BA9DC	WO	BA9DC-WO35-0315-1	L1594359-3		1/1	3/31/2015 09:16	4/6/2015 00:00	5/17/2015 02:18	R3188625/	N
BA9DC	WO	BA9DC-WO38-0315-2	L1594359-6		1/1	3/31/2015 09:34	4/6/2015 00:00	5/17/2015 03:37	R3188625/	N
BA9DC	WO	BA9DC-WO38-0315-3	L1594359-8		1/1	3/31/2015 09:43	4/6/2015 00:00	5/17/2015 04:17	R3188625/	FD
BA9DC	WO	BA9DC-WO38-0315-3	L1594359-8		1/1	3/31/2015 09:43	4/6/2015 00:00	5/17/2015 04:17	R3188625/	N
W4	WO	W4-WO100-0315-1	L1594359-10		1/1	3/31/2015 10:29	4/6/2015 00:00	5/17/2015 05:36	R3188625/	N
LABQC	WQ	LABQC	WG2064239-1		1/5	4/6/2015 00:00	4/6/2015 00:00	6/8/2015 17:26	R3188625/	LB
W4	WO	W4-WO5-0315-1	L1594359-9		1/1	3/31/2015 10:14	4/6/2015 00:00	6/8/2015 19:25	R3188625/	N
W4	WO	W4-WO195-0315-1	L1594359-11		1/1	3/31/2015 10:48	4/6/2015 00:00	6/8/2015 20:04	R3188625/	N
W4	WO	W4-WO198-0315-1	L1594359-12		1/1	3/31/2015 11:13	4/6/2015 00:00	6/8/2015 20:44	R3188625/	FD
W4	WO	W4-WO198-0315-1	L1594359-12		1/1	3/31/2015 11:13	4/6/2015 00:00	6/8/2015 20:44	R3188625/	N
BA9DC	WO	BA9DC-WO5-0315-1	L1594359-1		1/5	3/31/2015 08:37	4/6/2015 00:00	6/8/2015 22:42	R3188625/	N
BA9DC	WO	BA9DC-WO20-0315-1	L1594359-2		1/5	3/31/2015 08:58	4/6/2015 00:00	6/8/2015 23:22	R3188625/	N
BA9DC	WO	BA9DC-WO35-0315-1	L1594359-3		1/5	3/31/2015 09:16	4/6/2015 00:00	6/9/2015 00:01	R3188625/	N
BA9DC	WO	BA9DC-WO38-0315-2	L1594359-6		1/5	3/31/2015 09:34	4/6/2015 00:00	6/9/2015 00:41	R3188625/	N
BA9DC	WO	BA9DC-WO38-0315-3	L1594359-8		1/5	3/31/2015 09:43	4/6/2015 00:00	6/9/2015 03:29	R3188625/	FD
W4	WO	W4-WO100-0315-1	L1594359-10		1/5	3/31/2015 10:29	4/6/2015 00:00	6/9/2015 04:09	R3188625/	N
LABQC	WQ	LABQC	WG2064239-2		1/5	4/6/2015 00:00	4/6/2015 00:00	6/9/2015 16:37	R3188625/	BS
W4	WO	W4-WO5-0315-1	L1594359-9		1/5	3/31/2015 10:14	4/6/2015 00:00	6/9/2015 19:15	R3188625/	N
W4	WO	W4-WO195-0315-1	L1594359-11		1/5	3/31/2015 10:48	4/6/2015 00:00	6/9/2015 19:54	R3188625/	N
W4	WO	W4-WO198-0315-1	L1594359-12		1/5	3/31/2015 11:13	4/6/2015 00:00	6/9/2015 20:34	R3188625/	N

Automated Data Review Detail Report for L1594359

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Batch Report

Test Method: E1699		Analysis Batch: R3186253								
Location	Matrix	Field Sample ID	Lab Sample ID	Calibration Ref	Run#/ Dil'n	Collection Date/Time	Extraction Date/Time	Analysis Date/Time	Prep/Leach Batch	Sample Type
LABQC	WQ	LABQC	WG2065187-1		1/1	4/7/2015 00:00	4/7/2015 00:00	5/6/2015 19:53	R3186253/	LB
LABQC	WQ	LABQC	WG2065187-2		1/1	4/7/2015 00:00	4/7/2015 00:00	5/6/2015 21:30	R3186253/	BS
BA7C	WO	BA7C-WO5-0315-1	L1594359-13		1/1	3/31/2015 11:35	4/7/2015 00:00	5/6/2015 22:02	R3186253/	N
BA7C	WO	BA7C-WO30-0315-1	L1594359-14		1/1	3/31/2015 11:43	4/7/2015 00:00	5/6/2015 22:34	R3186253/	N
BA7C	WO	BA7C-WO55-0315-1	L1594359-15		1/1	3/31/2015 11:56	4/7/2015 00:00	5/7/2015 01:29	R3186253/	N
BA7C	WO	BA7C-WO58-0315-1	L1594359-16		1/1	3/31/2015 12:27	4/7/2015 00:00	5/7/2015 02:01	R3186253/	N
FIELDQC	WQ	WQ-ER1-0315-1	L1594359-17		1/1	3/31/2015 13:35	4/7/2015 00:00	5/7/2015 02:34	R3186253/	EB
BA8C	WO	BA8C-WO30-0315-1	L1594359-19		1/1	3/31/2015 12:46	4/7/2015 00:00	5/7/2015 03:06	R3186253/	N
BA8C	WO	BA8C-WO55-0315-1	L1594359-20		1/1	3/31/2015 12:58	4/7/2015 00:00	5/7/2015 06:01	R3186253/	N
BA8C	WO	BA8C-WO58-0315-1	L1594359-21		1/1	3/31/2015 13:07	4/7/2015 00:00	5/7/2015 06:33	R3186253/	FR
BA8C	WO	BA8C-WO58-0315-2	L1594359-23		1/1	3/31/2015 13:16	4/7/2015 00:00	5/7/2015 07:05	R3186253/	N
BA8C	WO	BA8C-WO58-0315-3	L1594359-25		1/1	3/31/2015 13:23	4/7/2015 00:00	5/7/2015 07:38	R3186253/	FD

Test Method: E1699		Analysis Batch: R3188625								
Location	Matrix	Field Sample ID	Lab Sample ID	Calibration Ref	Run#/ Dil'n	Collection Date/Time	Extraction Date/Time	Analysis Date/Time	Prep/Leach Batch	Sample Type
LABQC	WQ	LABQC	WG2064239-2		1/1	4/6/2015 00:00	4/6/2015 00:00	5/8/2015 20:54	R3188625/	BS
LABQC	WQ	LABQC	WG2064239-1		1/1	4/6/2015 00:00	4/6/2015 00:00	5/8/2015 22:32	R3188625/	LB
BA9DC	WO	BA9DC-WO5-0315-1	L1594359-1		1/1	3/31/2015 08:37	4/6/2015 00:00	5/8/2015 23:04	R3188625/	N
BA9DC	WO	BA9DC-WO20-0315-1	L1594359-2		1/1	3/31/2015 08:58	4/6/2015 00:00	5/8/2015 23:36	R3188625/	N
BA9DC	WO	BA9DC-WO35-0315-1	L1594359-3		1/1	3/31/2015 09:16	4/6/2015 00:00	5/9/2015 02:31	R3188625/	N
BA9DC	WO	BA9DC-WO38-0315-1	L1594359-4		1/1	3/31/2015 09:26	4/6/2015 00:00	5/9/2015 03:03	R3188625/	FR
BA9DC	WO	BA9DC-WO38-0315-2	L1594359-6		1/1	3/31/2015 09:34	4/6/2015 00:00	5/9/2015 03:35	R3188625/	N
BA9DC	WO	BA9DC-WO38-0315-3	L1594359-8		1/1	3/31/2015 09:43	4/6/2015 00:00	5/9/2015 04:07	R3188625/	FD
W4	WO	W4-WO5-0315-1	L1594359-9		1/1	3/31/2015 10:14	4/6/2015 00:00	5/9/2015 07:02	R3188625/	N
W4	WO	W4-WO100-0315-1	L1594359-10		1/1	3/31/2015 10:29	4/6/2015 00:00	5/9/2015 07:35	R3188625/	N

Automated Data Review Detail Report for L1594359

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery
Component Palos Verdes Shelf, Los Angeles County, California

Batch Report

Test Method: E1699		Analysis Batch: R3188625								
Location	Matrix	Field Sample ID	Lab Sample ID	Calibration Ref	Run#/Dil'n	Collection Date/Time	Extraction Date/Time	Analysis Date/Time	Prep/Leach Batch	Sample Type
W4	WO	W4-WO195-0315-1	L1594359-11		1/1	3/31/2015 10:48	4/6/2015 00:00	5/9/2015 08:07	R3188625/	N
W4	WO	W4-WO198-0315-1	L1594359-12		1/1	3/31/2015 11:13	4/6/2015 00:00	5/9/2015 08:39	R3188625/	N
W4	WO	W4-WO5-0315-1	L1594359-9		1/1	3/31/2015 10:14	4/6/2015 00:00	5/11/2015 19:39	R3188625/	N
W4	WO	W4-WO100-0315-1	L1594359-10		1/1	3/31/2015 10:29	4/6/2015 00:00	5/11/2015 20:11	R3188625/	N
W4	WO	W4-WO195-0315-1	L1594359-11		1/1	3/31/2015 10:48	4/6/2015 00:00	5/11/2015 20:43	R3188625/	N
W4	WO	W4-WO198-0315-1	L1594359-12		1/1	3/31/2015 11:13	4/6/2015 00:00	5/11/2015 21:16	R3188625/	N

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Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Field Batch Report

Test Method: E1668C		Extraction Method: METHOD		Leach Method: NONE				
EBLOT	TBLOT	ABLOT	LOCID	Matrix	FLDSAMPID	LABSAMPID	LOGDATE	SACODE
31031501			BA7C	WO	BA7C-WO30-0315-1	L1594359-14	3/31/2015 11:43	N
31031501			BA7C	WO	BA7C-WO5-0315-1	L1594359-13	3/31/2015 11:35	N
31031501			BA7C	WO	BA7C-WO55-0315-1	L1594359-15	3/31/2015 11:56	N
31031501			BA7C	WO	BA7C-WO58-0315-1	L1594359-16	3/31/2015 12:27	N
31031501			BA8C	WO	BA8C-WO30-0315-1	L1594359-19	3/31/2015 12:46	N
31031501			BA8C	WO	BA8C-WO55-0315-1	L1594359-20	3/31/2015 12:58	N
31031501			BA8C	WO	BA8C-WO58-0315-2	L1594359-23	3/31/2015 13:16	N
31031501			BA8C	WO	BA8C-WO58-0315-3	L1594359-25	3/31/2015 13:23	FD
31031501			BA9DC	WO	BA9DC-WO20-0315-1	L1594359-2	3/31/2015 08:58	N
31031501			BA9DC	WO	BA9DC-WO35-0315-1	L1594359-3	3/31/2015 09:16	N
31031501			BA9DC	WO	BA9DC-WO38-0315-2	L1594359-6	3/31/2015 09:34	N
31031501			BA9DC	WO	BA9DC-WO38-0315-3	L1594359-8	3/31/2015 09:43	FD
31031501			BA9DC	WO	BA9DC-WO38-0315-3	L1594359-8	3/31/2015 09:43	N
31031501			BA9DC	WO	BA9DC-WO5-0315-1	L1594359-1	3/31/2015 08:37	N
31031501			FIELDQC	WQ	WQ-ER1-0315-1	L1594359-17	3/31/2015 13:35	EB
31031501			W4	WO	W4-WO100-0315-1	L1594359-10	3/31/2015 10:29	N
31031501			W4	WO	W4-WO195-0315-1	L1594359-11	3/31/2015 10:48	N
31031501			W4	WO	W4-WO198-0315-1	L1594359-12	3/31/2015 11:13	FD
31031501			W4	WO	W4-WO198-0315-1	L1594359-12	3/31/2015 11:13	N
31031501			W4	WO	W4-WO5-0315-1	L1594359-9	3/31/2015 10:14	N

Test Method: E1699		Extraction Method: METHOD		Leach Method: NONE				
EBLOT	TBLOT	ABLOT	LOCID	Matrix	FLDSAMPID	LABSAMPID	LOGDATE	SACODE
31031501			BA7C	WO	BA7C-WO30-0315-1	L1594359-14	3/31/2015 11:43	N
31031501			BA7C	WO	BA7C-WO5-0315-1	L1594359-13	3/31/2015 11:35	N
31031501			BA7C	WO	BA7C-WO55-0315-1	L1594359-15	3/31/2015 11:56	N

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Component Palos Verdes Shelf, Los Angeles County, California

Field Batch Report

Test Method: E1699		Extraction Method: METHOD		Leach Method: NONE				
EBLOT	TBLOT	ABLOT	LOCID	Matrix	FLDSAMPID	LABSAMPID	LOGDATE	SACODE
31031501			BA7C	WO	BA7C-WO58-0315-1	L1594359-16	3/31/2015 12:27	N
31031501			BA8C	WO	BA8C-WO30-0315-1	L1594359-19	3/31/2015 12:46	N
31031501			BA8C	WO	BA8C-WO55-0315-1	L1594359-20	3/31/2015 12:58	N
31031501			BA8C	WO	BA8C-WO58-0315-1	L1594359-21	3/31/2015 13:07	FR
31031501			BA8C	WO	BA8C-WO58-0315-2	L1594359-23	3/31/2015 13:16	N
31031501			BA8C	WO	BA8C-WO58-0315-3	L1594359-25	3/31/2015 13:23	FD
31031501			BA9DC	WO	BA9DC-WO20-0315-1	L1594359-2	3/31/2015 08:58	N
31031501			BA9DC	WO	BA9DC-WO35-0315-1	L1594359-3	3/31/2015 09:16	N
31031501			BA9DC	WO	BA9DC-WO38-0315-1	L1594359-4	3/31/2015 09:26	FR
31031501			BA9DC	WO	BA9DC-WO38-0315-2	L1594359-6	3/31/2015 09:34	N
31031501			BA9DC	WO	BA9DC-WO38-0315-3	L1594359-8	3/31/2015 09:43	FD
31031501			BA9DC	WO	BA9DC-WO5-0315-1	L1594359-1	3/31/2015 08:37	N
31031501			FIELDQC	WQ	WQ-ER1-0315-1	L1594359-17	3/31/2015 13:35	EB
31031501			W4	WO	W4-WO100-0315-1	L1594359-10	3/31/2015 10:29	N
31031501			W4	WO	W4-WO195-0315-1	L1594359-11	3/31/2015 10:48	N
31031501			W4	WO	W4-WO198-0315-1	L1594359-12	3/31/2015 11:13	N
31031501			W4	WO	W4-WO5-0315-1	L1594359-9	3/31/2015 10:14	N

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QC Outlier Report

Test Method: E1668C		Extraction Method: METHOD		Leach Method: NONE							
QC Element	Sample ID/ Lab Sample ID	Run#/ Dil'n	Analyte	Result (Units)	Qualifier	Warning Limits	Control Limits	Reason	Comment	Rule	Action Level
Blank	WG2064239-1 (LB) / WG2064239-1	1 / 1.00	2,2',3,4,4',5,5'- HEPTACHLOROBIPHENYL	1.00 (PG/L)	*U/None	< 0.41	< 11.5	B1		1	1.00
Blank	WG2064239-1 (LB) / WG2064239-1	1 / 1.00	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	1.70 (PG/L)	*U/None	< 0.44	< 11.5	B1		1	1.70
Blank	WG2064239-1 (LB) / WG2064239-1	1 / 1.00	2,2',3,4',5,5',6'- HEPTACHLOROBIPHENYL	0.920 (PG/L)	*U/None	< 0.44	< 11.5	B1		1	0.920
Blank	WG2064239-1 (LB) / WG2064239-1	1 / 1.00	2,2',3,4',5',6'-HEXACHLOROBIPHENYL	1.26 (PG/L)	*U/None	< 0.44	< 11.5	B1		1	1.26
Blank	WG2064239-1 (LB) / WG2064239-1	1 / 1.00	2,2',3,5'-TETRACHLOROBIPHENYL	4.01 (PG/L)	*U/None	< 0.73	< 11.5	B1		1	4.01
Blank	WG2064239-1 (LB) / WG2064239-1	1 / 1.00	2,2',4,5,5'-PENTACHLOROBIPHENYL	1.97 (PG/L)	*U/None	< 0.12	< 11.5	B1		1	1.97
Blank	WG2064239-1 (LB) / WG2064239-1	1 / 1.00	2,2',4,5'-TETRACHLOROBIPHENYL	1.30 (PG/L)	*U/None	< 0.69	< 11.5	B1		1	1.30
Blank	WG2064239-1 (LB) / WG2064239-1	1 / 1.00	2,2',5,5'-TETRACHLOROBIPHENYL	3.63 (PG/L)	*U/None	< 0.76	< 11.5	B1		1	3.63
Blank	WG2064239-1 (LB) / WG2064239-1	1 / 1.00	2,2',5-TRICHLOROBIPHENYL	5.06 (PG/L)	*U/None	< 0.3	< 11.5	B1		1	5.06
Blank	WG2064239-1 (LB) / WG2064239-1	1 / 1.00	2,3,3',4,4',5'- Hexachlorobiphenyl/2,3,3',4,4',5'- Hexachlorobiphenyl	1.21 (PG/L)	*U/None	< 0.4	< 11.5	B1		1	1.21
Blank	WG2064239-1 (LB) / WG2064239-1	1 / 1.00	2,3,3',4,4'-PENTACHLOROBIPHENYL	1.06 (PG/L)	*U/None	< 0.1	< 11.5	B1		1	1.06
Blank	WG2064239-1 (LB) / WG2064239-1	1 / 1.00	2,3,3',4',6-PENTACHLOROBIPHENYL	1.97 (PG/L)	*U/None	< 0.11	< 11.5	B1		1	1.97
Blank	WG2064239-1 (LB) / WG2064239-1	1 / 1.00	2,3,4,4',5-PENTACHLOROBIPHENYL	0.640 (PG/L)	*U/None	< 0.11	< 11.5	B1		1	0.640
Blank	WG2064239-1 (LB) / WG2064239-1	1 / 1.00	2',3,4,4',5-PENTACHLOROBIPHENYL	0.320 (PG/L)	*U/None	< 0.11	< 11.5	B1		1	0.320
Blank	WG2064239-1 (LB) / WG2064239-1	1 / 1.00	2,3',4,4',5-PENTACHLOROBIPHENYL	1.91 (PG/L)	*U/None	< 0.11	< 11.5	B1		1	1.91
Blank	WG2064239-1 (LB) / WG2064239-1	1 / 1.00	2,3',4,4'-TETRACHLOROBIPHENYL	1.00 (PG/L)	*U/None	< 0.82	< 11.5	B1		1	1.00
Blank	WG2064239-1 (LB) / WG2064239-1	1 / 1.00	2,4,4'-TRICHLOROBIPHENYL	4.53 (PG/L)	*U/None	< 0.42	< 11.5	B1		1	4.53
Blank	WG2064239-1 (LB) / WG2064239-1	1 / 5.00	2,4',5-TRICHLOROBIPHENYL	3.68 (PG/L)	*U/None	< 0.82	< 57.7	B1		1	3.68

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Blank	WG2064239-1 (LB) / WG2064239-1	1 / 1.00	2,4'-DICHLOROBIPHENYL	7.30 (PG/L)	*U/None	< 1.9	< 11.5	B1	1	7.30
Blank	WG2064239-1 (LB) / WG2064239-1	1 / 1.00	3,3',4,4',5-PENTACHLOROBIPHENYL	0.480 (PG/L)	*U/None	< 0.1	< 11.5	B1	1	0.480
Blank	WG2064239-1 (LB) / WG2064239-1	1 / 1.00	3,4,4'-TRICHLOROBIPHENYL	1.62 (PG/L)	*U/None	< 0.57	< 11.5	B1	1	1.62
Blank	WG2065187-1 (LB) / WG2065187-1	1 / 1.00	2,2',3,3',4,4',5- HEPTACHLOROBIPHENYL	0.340 (PG/L)	*U/None	< 0.23	< 11.5	B1	1	0.340
Blank	WG2065187-1 (LB) / WG2065187-1	1 / 1.00	2,2',3,3',4,4'-HEXACHLOROBIPHENYL	0.290 (PG/L)	*U/None	< 0.22	< 11.5	B1	1	0.290
Blank	WG2065187-1 (LB) / WG2065187-1	1 / 1.00	2,2',3,4,4',5,5'- HEPTACHLOROBIPHENYL	1.33 (PG/L)	*U/None	< 0.18	< 11.5	B1	1	1.33
Blank	WG2065187-1 (LB) / WG2065187-1	1 / 1.00	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	1.93 (PG/L)	*U/None	< 0.24	< 11.5	B1	1	1.93
Blank	WG2065187-1 (LB) / WG2065187-1	1 / 1.00	2,2',3,4',5,5',6- HEPTACHLOROBIPHENYL	0.910 (PG/L)	*U/None	< 0.19	< 11.5	B1	1	0.910
Blank	WG2065187-1 (LB) / WG2065187-1	1 / 5.00	2,2',3,4',5',6-HEXACHLOROBIPHENYL	1.50 (PG/L)	*U/None	< 0.44	< 57.7	B1	1	1.50
Blank	WG2065187-1 (LB) / WG2065187-1	1 / 1.00	2,2',3,5'-TETRACHLOROBIPHENYL	2.77 (PG/L)	*U/None	< 0.55	< 11.5	B1	1	2.77
Blank	WG2065187-1 (LB) / WG2065187-1	1 / 1.00	2,2',4,5,5'-PENTACHLOROBIPHENYL	1.28 (PG/L)	*U/None	< 0.13	< 11.5	B1	1	1.28
Blank	WG2065187-1 (LB) / WG2065187-1	1 / 1.00	2,2',4,5'-TETRACHLOROBIPHENYL	1.22 (PG/L)	*U/None	< 0.52	< 11.5	B1	1	1.22
Blank	WG2065187-1 (LB) / WG2065187-1	1 / 1.00	2,2',5,5'-TETRACHLOROBIPHENYL	1.60 (PG/L)	*U/None	< 0.56	< 11.5	B1	1	1.60
Blank	WG2065187-1 (LB) / WG2065187-1	1 / 1.00	2,2',5-TRICHLOROBIPHENYL	2.50 (PG/L)	*U/None	< 0.28	< 11.5	B1	1	2.50
Blank	WG2065187-1 (LB) / WG2065187-1	1 / 1.00	2,3,3',4,4',5- Hexachlorobiphenyl/2,3,3',4,4',5'- Hexachlorobiphenyl	0.670 (PG/L)	*U/None	< 0.23	< 11.5	B1	1	0.670
Blank	WG2065187-1 (LB) / WG2065187-1	1 / 1.00	2,3,3',4,4'-PENTACHLOROBIPHENYL	0.650 (PG/L)	*U/None	< 0.29	< 11.5	B1	1	0.650
Blank	WG2065187-1 (LB) / WG2065187-1	1 / 1.00	2,3,3',4',6-PENTACHLOROBIPHENYL	1.70 (PG/L)	*U/None	< 0.12	< 11.5	B1	1	1.70
Blank	WG2065187-1 (LB) / WG2065187-1	1 / 1.00	2,3',4,4',5-PENTACHLOROBIPHENYL	1.91 (PG/L)	*U/None	< 0.29	< 11.5	B1	1	1.91
Blank	WG2065187-1 (LB) / WG2065187-1	1 / 1.00	2,3',4,4'-TETRACHLOROBIPHENYL	0.860 (PG/L)	*U/None	< 0.63	< 11.5	B1	1	0.860
Blank	WG2065187-1 (LB) / WG2065187-1	1 / 1.00	2,4,4'-TRICHLOROBIPHENYL	2.81 (PG/L)	*U/None	< 0.26	< 11.5	B1	1	2.81
Blank	WG2065187-1 (LB) / WG2065187-1	1 / 5.00	2,4',5-TRICHLOROBIPHENYL	1.70 (PG/L)	*U/None	< 0.94	< 57.7	B1	1	1.70

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Blank	WG2065187-1 (LB) / WG2065187-1	1 / 1.00	2,4'-DICHLOROBIPHENYL	4.10 (PG/L)	*U/None	< 2.6	< 11.5	B1	1	4.10
Blank	WG2065187-1 (LB) / WG2065187-1	1 / 1.00	3,4,4'-TRICHLOROBIPHENYL	0.890 (PG/L)	*U/None	< 0.35	< 11.5	B1	1	0.890
Equipment Blank	WQ-ER1-0315-1 (EB) / L1594359-17	1 / 1.00	2,2',3,4,4',5,5'- HEPTACHLOROBIPHENYL	3.44 (PG/L)	*U/None	< 0.77	< 11.5	K1	1	3.44
Equipment Blank	WQ-ER1-0315-1 (EB) / L1594359-17	1 / 1.00	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	3.50 (PG/L)	*U/None	< 0.46	< 11.5	K1	1	3.50
Equipment Blank	WQ-ER1-0315-1 (EB) / L1594359-17	1 / 1.00	2,2',3,4',5,5',6- HEPTACHLOROBIPHENYL	2.90 (PG/L)	*U/None	< 0.8	< 11.5	K1	1	2.90
Equipment Blank	WQ-ER1-0315-1 (EB) / L1594359-17	1 / 5.00	2,2',3,4',5',6-HEXACHLOROBIPHENYL	2.20 (PG/L)	*U/None	< 1	< 57.7	K1	1	2.20
Equipment Blank	WQ-ER1-0315-1 (EB) / L1594359-17	1 / 1.00	2,2',3,5'-TETRACHLOROBIPHENYL	2.15 (PG/L)	*U/None	< 0.46	< 11.5	K1	1	2.15
Equipment Blank	WQ-ER1-0315-1 (EB) / L1594359-17	1 / 1.00	2,2',4,5,5'-PENTACHLOROBIPHENYL	1.60 (PG/L)	*U/None	< 0.077	< 11.5	K1	1	1.60
Equipment Blank	WQ-ER1-0315-1 (EB) / L1594359-17	1 / 1.00	2,2',5,5'-TETRACHLOROBIPHENYL	2.14 (PG/L)	*U/None	< 0.47	< 11.5	K1	1	2.14
Equipment Blank	WQ-ER1-0315-1 (EB) / L1594359-17	1 / 1.00	2,2',5-TRICHLOROBIPHENYL	2.72 (PG/L)	*U/None	< 0.25	< 11.5	K1	1	2.72
Equipment Blank	WQ-ER1-0315-1 (EB) / L1594359-17	1 / 1.00	2,3,3',4,4',5- Hexachlorobiphenyl/2,3,3',4,4',5'- Hexachlorobiphenyl	0.700 (PG/L)	*U/None	< 0.36	< 11.5	K1	1	0.700
Equipment Blank	WQ-ER1-0315-1 (EB) / L1594359-17	1 / 1.00	2,3,3',4,4'-PENTACHLOROBIPHENYL	0.890 (PG/L)	*U/None	< 0.19	< 11.5	K1	1	0.890
Equipment Blank	WQ-ER1-0315-1 (EB) / L1594359-17	1 / 1.00	2,3,3',4',6-PENTACHLOROBIPHENYL	1.80 (PG/L)	*U/None	< 0.071	< 11.5	K1	1	1.80
Equipment Blank	WQ-ER1-0315-1 (EB) / L1594359-17	1 / 1.00	2,3',4,4',5-PENTACHLOROBIPHENYL	2.70 (PG/L)	*U/None	< 0.25	< 11.5	K1	1	2.70
Equipment Blank	WQ-ER1-0315-1 (EB) / L1594359-17	1 / 1.00	2,3',4,4'-TETRACHLOROBIPHENYL	0.850 (PG/L)	*U/None	< 0.6	< 11.5	K1	1	0.850
Equipment Blank	WQ-ER1-0315-1 (EB) / L1594359-17	1 / 1.00	2,4,4'-TRICHLOROBIPHENYL	2.30 (PG/L)	*U/None	< 0.22	< 11.5	K1	1	2.30
Equipment Blank	WQ-ER1-0315-1 (EB) / L1594359-17	1 / 5.00	2,4',5-TRICHLOROBIPHENYL	1.90 (PG/L)	*U/None	< 1.5	< 57.7	K1	1	1.90
Equipment Blank	WQ-ER1-0315-1 (EB) / L1594359-17	1 / 1.00	2,4'-DICHLOROBIPHENYL	3.70 (PG/L)	*U/None	< 2.5	< 11.5	K1	1	3.70
Equipment Blank	WQ-ER1-0315-1 (EB) / L1594359-17	1 / 1.00	3,4,4'-TRICHLOROBIPHENYL	0.790 (PG/L)	*U/None	< 0.33	< 11.5	K1	1	0.790
Field Duplicate	L1594359-25 (N) / L1594359-25	1 / 1.00	2,2',3,3',4,4',5- HEPTACHLOROBIPHENYL	200 (RPD)	J/UJ	< 40	< 80	D5		

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Field Duplicate	L1594359-25 (N) / L1594359-25	1 / 1.00	2,2',3,3',4,4'-HEXACHLOROBIPHENYL	200 (RPD)	J/UJ	< 40	< 80	D5	RPD met low-level FD criteria. Qualified Removed.
Field Duplicate	L1594359-25 (N) / L1594359-25	1 / 1.00	2,2',3,4,4',5,5'-HEPTACHLOROBIPHENYL	59.8 (RPD)	J/UJ	< 40	< 80	D5	
Field Duplicate	L1594359-25 (N) / L1594359-25	1 / 5.00	2,2',3,4',5,6'-HEXACHLOROBIPHENYL	200 (RPD)	J/UJ	< 40	< 80	D5	RPD met low-level FD criteria. Qualified Removed.
Field Duplicate	L1594359-25 (N) / L1594359-25	1 / 5.00	2,2',4,4',5-PENTACHLOROBIPHENYL	200 (RPD)	J/UJ	< 40	< 80	D5	
Field Duplicate	L1594359-25 (N) / L1594359-25	1 / 5.00	2,2',4,5'-TETRACHLOROBIPHENYL	200 (RPD)	J/UJ	< 40	< 80	D5	RPD met low-level FD criteria. Qualified Removed.
Field Duplicate	L1594359-25 (N) / L1594359-25	1 / 1.00	2,2',5,5'-TETRACHLOROBIPHENYL	40.4 (RPD)	J/UJ	< 40	< 80	D5	RPD met low-level FD criteria. Qualified Removed.
Field Duplicate	L1594359-25 (N) / L1594359-25	1 / 1.00	2,3,3',4,4',5-Hexachlorobiphenyl/2,3,3',4,4',5'-Hexachlorobiphenyl	59.8 (RPD)	J/UJ	< 40	< 80	D5	
Field Duplicate	L1594359-25 (N) / L1594359-25	1 / 1.00	2,3',4,4'-TETRACHLOROBIPHENYL	200 (RPD)	J/UJ	< 40	< 80	D5	
Field Duplicate	L1594359-25 (N) / L1594359-25	1 / 1.00	2,4',5-TRICHLOROBIPHENYL	41.4 (RPD)	J/UJ	< 40	< 80	D5	RPD met low-level FD criteria. Qualified Removed
Field Duplicate	L1594359-25 (N) / L1594359-25	1 / 1.00	3,4,4'-TRICHLOROBIPHENYL	50.7 (RPD)	J/UJ	< 40	< 80	D5	
Field Duplicate	L1594359-8 (N) / L1594359-8	1 / 1.00	2,2',3,3',4,4'-HEXACHLOROBIPHENYL	200 (RPD)	J/UJ	< 40	< 80	D5	
Field Duplicate	L1594359-8 (N) / L1594359-8	1 / 1.00	2,2',3,4,4',5,5'-HEPTACHLOROBIPHENYL	200 (RPD)	J/UJ	< 40	< 80	D5	RPD met low-level FD criteria. Qualified Removed

Automated Data Review Detail Report for L1594359

EPA, Region 9

Final Quality Assurance Project Plan - Water Sampling Program for Remedial Action - Monitored Natural Recovery Component Palos Verdes Shelf, Los Angeles County, California

Field Duplicate	L1594359-8 (N) / L1594359-8	1 / 1.00	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	40.6 (RPD)	J/UJ	< 40	< 80	D5	RPD met low-level FD criteria. Qualified Removed.
Field Duplicate	L1594359-8 (N) / L1594359-8	1 / 1.00	2,2',3,4',5,5',6-HEPTACHLOROBIPHENYL	200 (RPD)	J/UJ	< 40	< 80	D5	RPD met low-level FD criteria. Qualified Removed.
Field Duplicate	L1594359-8 (N) / L1594359-8	1 / 1.00	2,2',4,5,5'-PENTACHLOROBIPHENYL	45.7 (RPD)	J/UJ	< 40	< 80	D5	RPD met low-level FD criteria. Qualified Removed.
Field Duplicate	L1594359-8 (N) / L1594359-8	1 / 1.00	2,2',4,5'-TETRACHLOROBIPHENYL	200 (RPD)	J/UJ	< 40	< 80	D5	
Field Duplicate	L1594359-8 (N) / L1594359-8	1 / 1.00	2,2',5,5'-TETRACHLOROBIPHENYL	54.7 (RPD)	J/UJ	< 40	< 80	D5	RPD met low-level FD criteria. Qualified Removed.
Field Duplicate	L1594359-8 (N) / L1594359-8	1 / 1.00	2,3,3',4,4'-PENTACHLOROBIPHENYL	65.3 (RPD)	J/UJ	< 40	< 80	D5	RPD met low-level FD criteria. Qualified Removed.
Field Duplicate	L1594359-8 (N) / L1594359-8	1 / 1.00	2,3,3',4',6-PENTACHLOROBIPHENYL	64.8 (RPD)	J/UJ	< 40	< 80	D5	
Field Duplicate	L1594359-8 (N) / L1594359-8	1 / 1.00	2,3',4,4',5-PENTACHLOROBIPHENYL	59.5 (RPD)	J/UJ	< 40	< 80	D5	RPD met low-level FD criteria. Qualified Removed.
Field Duplicate	L1594359-8 (N) / L1594359-8	1 / 1.00	2,3',4,4'-TETRACHLOROBIPHENYL	200 (RPD)	J/UJ	< 40	< 80	D5	
Prep Hold Time	BA7C-WO30-0315-1 (N) / L1594359-14	1 / 1.00	All in Run	62.9 (Days)	J/UJ	< 40	< 80	H2	1-year holding time met. Qualified removed.

Automated Data Review Detail Report for L1594359

EPA, Region 9

Final Quality Assurance Project Plan i Water Sampling Program for Remedial Action - Monitored Natural Recovery Component Palos Verdes Shelf, Los Angeles County, California

Prep Hold Time	BA7C-WO30-0315-1 (N) / L1594359-14	1 / 5.00	All in Run	63.9 (Days)	J/UJ	< 40	< 80	H2	1-year holding time met. Qualified removed.
Prep Hold Time	BA7C-WO5-0315-1 (N) / L1594359-13	1 / 1.00	All in Run	40.5 (Days)	J/UJ	< 40	< 80	H2	1-year holding time met. Qualified removed.
Prep Hold Time	BA7C-WO5-0315-1 (N) / L1594359-13	1 / 5.00	All in Run	63.2 (Days)	J/UJ	< 40	< 80	H2	1-year holding time met. Qualified removed.
Prep Hold Time	BA7C-WO55-0315-1 (N) / L1594359-15	1 / 1.00	All in Run	40.6 (Days)	J/UJ	< 40	< 80	H2	1-year holding time met. Qualified removed.
Prep Hold Time	BA7C-WO55-0315-1 (N) / L1594359-15	1 / 5.00	All in Run	63.2 (Days)	J/UJ	< 40	< 80	H2	1-year holding time met. Qualified removed.
Prep Hold Time	BA7C-WO58-0315-1 (N) / L1594359-16	1 / 1.00	All in Run	40.6 (Days)	J/UJ	< 40	< 80	H2	1-year holding time met. Qualified removed.
Prep Hold Time	BA7C-WO58-0315-1 (N) / L1594359-16	1 / 5.00	All in Run	63.3 (Days)	J/UJ	< 40	< 80	H2	1-year holding time met. Qualified removed.
Prep Hold Time	BA8C-WO30-0315-1 (N) / L1594359-19	1 / 1.00	All in Run	40.7 (Days)	J/UJ	< 40	< 80	H2	1-year holding time met. Qualified removed.
Prep Hold Time	BA8C-WO30-0315-1 (N) / L1594359-19	1 / 5.00	All in Run	63.3 (Days)	J/UJ	< 40	< 80	H2	1-year holding time met. Qualified removed.
Prep Hold Time	BA8C-WO55-0315-1 (N) / L1594359-20	1 / 1.00	All in Run	40.7 (Days)	J/UJ	< 40	< 80	H2	1-year holding time met. Qualified removed.

Automated Data Review Detail Report for L1594359

EPA, Region 9

Final Quality Assurance Project Plan i Water Sampling Program for Remedial Action - Monitored Natural Recovery Component Palos Verdes Shelf, Los Angeles County, California

Prep Hold Time	BA8C-WO55-0315-1 (N) / L1594359-20	1 / 5.00	All in Run	63.3 (Days)	J/UJ	< 40	< 80	H2	1-year holding time met. Qualified removed.
Prep Hold Time	BA8C-WO58-0315-2 (N) / L1594359-23	1 / 1.00	All in Run	40.7 (Days)	J/UJ	< 40	< 80	H2	1-year holding time met. Qualified removed.
Prep Hold Time	BA8C-WO58-0315-2 (N) / L1594359-23	1 / 5.00	All in Run	63.4 (Days)	J/UJ	< 40	< 80	H2	1-year holding time met. Qualified removed.
Prep Hold Time	BA8C-WO58-0315-3 (FD) / L1594359-25	1 / 1.00	All in Run	62.9 (Days)	J/UJ	< 40	< 80	H2	1-year holding time met. Qualified removed.
Prep Hold Time	BA8C-WO58-0315-3 (FD) / L1594359-25	1 / 5.00	All in Run	63.9 (Days)	J/UJ	< 40	< 80	H2	1-year holding time met. Qualified removed.
Prep Hold Time	BA9DC-WO20-0315-1 (N) / L1594359-2	1 / 1.00	All in Run	41.1 (Days)	J/UJ	< 40	< 80	H2	1-year holding time met. Qualified removed.
Prep Hold Time	BA9DC-WO20-0315-1 (N) / L1594359-2	1 / 5.00	All in Run	64.0 (Days)	J/UJ	< 40	< 80	H2	1-year holding time met. Qualified removed.
Prep Hold Time	BA9DC-WO35-0315-1 (N) / L1594359-3	1 / 1.00	All in Run	41.1 (Days)	J/UJ	< 40	< 80	H2	1-year holding time met. Qualified removed.
Prep Hold Time	BA9DC-WO35-0315-1 (N) / L1594359-3	1 / 5.00	All in Run	64.0 (Days)	J/UJ	< 40	< 80	H2	1-year holding time met. Qualified removed.
Prep Hold Time	BA9DC-WO38-0315-2 (N) / L1594359-6	1 / 1.00	All in Run	41.2 (Days)	J/UJ	< 40	< 80	H2	1-year holding time met. Qualified removed.

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EPA, Region 9

Final Quality Assurance Project Plan i Water Sampling Program for Remedial Action - Monitored Natural Recovery Component Palos Verdes Shelf, Los Angeles County, California

Prep Hold Time	BA9DC-WO38-0315-2 (N) / L1594359-6	1 / 5.00	All in Run	64.0 (Days)	J/UJ	< 40	< 80	H2	1-year holding time met. Qualified removed.
Prep Hold Time	BA9DC-WO38-0315-3 (FD) / L1594359-8	1 / 1.00	All in Run	41.2 (Days)	J/UJ	< 40	< 80	H2	1-year holding time met. Qualified removed.
Prep Hold Time	BA9DC-WO38-0315-3 (FD) / L1594359-8	1 / 5.00	All in Run	64.2 (Days)	J/UJ	< 40	< 80	H2	1-year holding time met. Qualified removed.
Prep Hold Time	BA9DC-WO5-0315-1 (N) / L1594359-1	1 / 1.00	All in Run	41.0 (Days)	J/UJ	< 40	< 80	H2	1-year holding time met. Qualified removed.
Prep Hold Time	BA9DC-WO5-0315-1 (N) / L1594359-1	1 / 5.00	All in Run	64.0 (Days)	J/UJ	< 40	< 80	H2	1-year holding time met. Qualified removed.
Prep Hold Time	W4-WO100-0315-1 (N) / L1594359-10	1 / 1.00	All in Run	41.2 (Days)	J/UJ	< 40	< 80	H2	1-year holding time met. Qualified removed.
Prep Hold Time	W4-WO100-0315-1 (N) / L1594359-10	1 / 5.00	All in Run	64.2 (Days)	J/UJ	< 40	< 80	H2	1-year holding time met. Qualified removed.
Prep Hold Time	W4-WO195-0315-1 (N) / L1594359-11	1 / 1.00	All in Run	63.8 (Days)	J/UJ	< 40	< 80	H2	1-year holding time met. Qualified removed.
Prep Hold Time	W4-WO195-0315-1 (N) / L1594359-11	1 / 5.00	All in Run	64.8 (Days)	J/UJ	< 40	< 80	H2	1-year holding time met. Qualified removed.
Prep Hold Time	W4-WO198-0315-1 (N) / L1594359-12	1 / 1.00	All in Run	63.9 (Days)	J/UJ	< 40	< 80	H2	1-year holding time met. Qualified removed.

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EPA, Region 9

Final Quality Assurance Project Plan i Water Sampling Program for Remedial Action - Monitored Natural Recovery Component Palos Verdes Shelf, Los Angeles County, California

Prep Hold Time	W4-WO198-0315-1 (N) / L1594359-12	1 / 5.00	All in Run	64.9 (Days)	J/UJ	< 40	< 80	H2	1-year holding time met. Qualified removed.
Prep Hold Time	W4-WO5-0315-1 (N) / L1594359-9	1 / 1.00	All in Run	63.8 (Days)	J/UJ	< 40	< 80	H2	1-year holding time met. Qualified removed.
Prep Hold Time	W4-WO5-0315-1 (N) / L1594359-9	1 / 5.00	All in Run	64.8 (Days)	J/UJ	< 40	< 80	H2	1-year holding time met. Qualified removed.
Prep Hold Time	WQ-ER1-0315-1 (EB) / L1594359-17	1 / 1.00	All in Run	40.6 (Days)	J/UJ	< 40	< 80	H2	1-year holding time met. Qualified removed.
Prep Hold Time	WQ-ER1-0315-1 (EB) / L1594359-17	1 / 5.00	All in Run	63.3 (Days)	J/UJ	< 40	< 80	H2	1-year holding time met. Qualified removed.
Surrogate	BA7C-WO5-0315-1 (N) / L1594359-13	1 / 1.00	2,2',4,4',6,6'-HEXACHLOROBIPHENYL-C13	5.00 (PERCENT)	J/UJ	10 - 145	5 - 155	S	Only one SS out. Qualifier Removed.
Surrogate	BA7C-WO58-0315-1 (N) / L1594359-16	1 / 1.00	2,2',4,4',6,6'-HEXACHLOROBIPHENYL-C13	5.00 (PERCENT)	J/UJ	10 - 145	5 - 155	S	Only one SS out. Qualifier Removed.
Surrogate	BA8C-WO55-0315-1 (N) / L1594359-20	1 / 1.00	2,2',4,4',6,6'-HEXACHLOROBIPHENYL-C13	6.00 (PERCENT)	J/UJ	10 - 145	5 - 155	S	
Surrogate	BA8C-WO58-0315-3 (FD) / L1594359-25	1 / 1.00	2,2',3,3',4,4',5,5',6-NONACHLOROBIPHENYL-C13	5.00 (PERCENT)	J/UJ	10 - 145	5 - 155	S	
Surrogate	BA8C-WO58-0315-3 (FD) / L1594359-25	1 / 1.00	2,2',3,3',4,5,5',6,6'-NONACHLOROBIPHENYL-C13	6.00 (PERCENT)	J/UJ	10 - 145	5 - 155	S	
Surrogate	BA8C-WO58-0315-3 (FD) / L1594359-25	1 / 1.00	2,2',3,3',5,5',6,6'-OCTOCHLOROBIPHENYL-C13	6.00 (PERCENT)	J/UJ	10 - 145	5 - 155	S	
Surrogate	BA8C-WO58-0315-3 (FD) / L1594359-25	1 / 1.00	2,2',3,3',5,5',6-HEPTACHLOROBIPHENYL-C13	8.00 (PERCENT)	J/UJ	10 - 145	5 - 155	S	
Surrogate	BA8C-WO58-0315-3 (FD) / L1594359-25	1 / 1.00	2,2',3,4',5,6,6'-HEPTACHLOROBIPHENYL-C13	6.00 (PERCENT)	J/UJ	10 - 145	5 - 155	S	
Surrogate	BA8C-WO58-0315-3 (FD) / L1594359-25	1 / 1.00	2,2',4,4',6,6'-HEXACHLOROBIPHENYL-C13	2.00 (PERCENT)	J/R	10 - 145	5 - 155	S	
Surrogate	BA8C-WO58-0315-3 (FD) / L1594359-25	1 / 1.00	2,2',4,6,6'-PENTACHLOROBIPHENYL-C13	8.00 (Percent)	J/UJ	10 - 145	< 155	S	

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EPA, Region 9

Final Quality Assurance Project Plan i Water Sampling Program for Remedial Action - Monitored Natural Recovery Component Palos Verdes Shelf, Los Angeles County, California

Surrogate	BA8C-WO58-0315-3 (FD) / L1594359-25	1 / 1.00	2,3,3',4,4',5,5',6-OCTACHLOROBIPHENYL-C13	8.00 (PERCENT)	J/UJ	10 - 145	5 - 155	S	
Surrogate	BA8C-WO58-0315-3 (FD) / L1594359-25	1 / 1.00	2,3,3',5,5'-PENTACHLOROBIPHENYL-C13	4.00 (PERCENT)	J/R	10 - 145	5 - 155	S	
Surrogate	BA8C-WO58-0315-3 (FD) / L1594359-25	1 / 1.00	2,3,4,4',5'-PENTACHLOROBIPHENYL-C13	7.00 (PERCENT)	J/UJ	10 - 145	5 - 155	S	
Surrogate	BA8C-WO58-0315-3 (FD) / L1594359-25	1 / 1.00	2,3,4,4',5'-PENTACHLOROBIPHENYL-C13	8.00 (PERCENT)	J/UJ	10 - 145	5 - 155	S	
Surrogate	BA8C-WO58-0315-3 (FD) / L1594359-25	1 / 1.00	2,3,4,4',5'-PENTACHLOROBIPHENYL-C13 (PCB 118L)	8.00 (PERCENT)	J/UJ	10 - 145	5 - 155	S	
Surrogate	BA8C-WO58-0315-3 (FD) / L1594359-25	1 / 1.00	Decachlorobiphenyl-C13	3.00 (PERCENT)	J/R	10 - 145	5 - 155	S	
Surrogate	W4-WO100-0315-1 (N) / L1594359-10	1 / 1.00	2,2',4,4',6,6'-HEXACHLOROBIPHENYL-C13	5.00 (PERCENT)	J/UJ	10 - 145	5 - 155	S	
Surrogate	W4-WO100-0315-1 (N) / L1594359-10	1 / 1.00	Decachlorobiphenyl-C13	5.00 (PERCENT)	J/UJ	10 - 145	5 - 155	S	
Surrogate	W4-WO5-0315-1 (N) / L1594359-9	1 / 1.00	2,2',4,4',6,6'-HEXACHLOROBIPHENYL-C13	9.00 (PERCENT)	J/UJ	10 - 145	5 - 155	S	
Surrogate	W4-WO5-0315-1 (N) / L1594359-9	1 / 1.00	Decachlorobiphenyl-C13	9.00 (PERCENT)	J/UJ	10 - 145	5 - 155	S	
Surrogate	WQ-ER1-0315-1 (EB) / L1594359-17	1 / 1.00	2,2',4,4',6,6'-HEXACHLOROBIPHENYL-C13	9.00 (PERCENT)	J/UJ	10 - 145	5 - 155	S	Only one SS out. Qualifier Removed.

Test Method: E1699		Extraction Method: METHOD		Leach Method: NONE							
QC Element	Sample ID/ Lab Sample ID	Run#/ Dil'n	Analyte	Result (Units)	Qualifier	Warning Limits	Control Limits	Reason	Comment	Rule	Action Level
Blank	WG2064239-1 (LB) / WG2064239-1	1 / 1.00	p,p'-DDE	0.0340 (NG/L)	*U/None	< 0.013	< 0.024	B1		1	0.0340
Blank	WG2065187-1 (LB) / WG2065187-1	1 / 1.00	p,p'-DDE	0.207 (NG/L)	*U/None	< 0.016	< 0.06	B1	1X rule. Flag J+.	1	0.207
Equipment Blank	WQ-ER1-0315-1 (EB) / L1594359-17	1 / 1.00	p,p'-DDE	0.156 (NG/L)	*U/None	< 0.017	< 0.023	K1	1X rule. Flag J+.	1	0.156
Field Duplicate	L1594359-25 (N) / L1594359-25	1 / 1.00	1,1-BIS(P-CHLOROPHENYL)ETHENE	200 (RPD)	J/None	< 30	< 60	D5			
Field Duplicate	L1594359-25 (N) / L1594359-25	1 / 1.00	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	200 (RPD)	J/None	< 30	< 60	D5			
Field Duplicate	L1594359-25 (N) / L1594359-25	1 / 1.00	o,p'-DDE	36.9 (RPD)	J/None	< 30	< 60	D5			
Field Duplicate	L1594359-25 (N) / L1594359-25	1 / 1.00	p,p'-DDE	75.4 (RPD)	J/None	< 30	< 60	D5			

Automated Data Review Detail Report for L1594359

EPA, Region 9

Final Quality Assurance Project Plan i Water Sampling Program for Remedial Action - Monitored Natural Recovery Component Palos Verdes Shelf, Los Angeles County, California

Field Duplicate	L1594359-8 (N) / L1594359-8	1 / 1.00	1,1-BIS(P-CHLOROPHENYL)ETHENE	37.6 (RPD)	J/None	< 30	< 60	D5	
Field Duplicate	L1594359-8 (N) / L1594359-8	1 / 1.00	1,1-BIS(P-CHLOROPHENYL)ETHENE	79.3 (RPD)	J/None	< 30	< 60	D5	
Field Duplicate	L1594359-8 (N) / L1594359-8	1 / 1.00	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	200 (RPD)	J/None	< 30	< 60	D5	
Field Duplicate	L1594359-8 (N) / L1594359-8	1 / 1.00	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	44.6 (RPD)	J/None	< 30	< 60	D5	
Field Duplicate	L1594359-8 (N) / L1594359-8	1 / 1.00	o,p'-DDE	52.7 (RPD)	J/None	< 30	< 60	D5	
Field Duplicate	L1594359-8 (N) / L1594359-8	1 / 1.00	o,p'-DDE	95.5 (RPD)	J/None	< 30	< 60	D5	
Field Duplicate	L1594359-8 (N) / L1594359-8	1 / 1.00	p,p'-DDD	200 (RPD)	J/None	< 30	< 60	D5	
Field Duplicate	L1594359-8 (N) / L1594359-8	1 / 1.00	p,p'-DDD	63.4 (RPD)	J/None	< 30	< 60	D5	
Field Duplicate	L1594359-8 (N) / L1594359-8	1 / 1.00	p,p'-DDE	39.4 (RPD)	J/None	< 30	< 60	D5	
Field Duplicate	L1594359-8 (N) / L1594359-8	1 / 1.00	p,p'-DDE	52.9 (RPD)	J/None	< 30	< 60	D5	
LCS Recovery	WG2064239-2 (BS) / WG2064239-2	1 / 1.00	o,p'-DDE	128 (Percent)	J/None	50 - 120	10 - 130	L	
LCS Recovery	WG2064239-2 (BS) / WG2064239-2	1 / 1.00	p,p'-DDD	124 (Percent)	J/None	42 - 120	10 - 130	L	LCS limits 50-125%. Qualifier Removed.
LCS Recovery	WG2065187-2 (BS) / WG2065187-2	1 / 1.00	o,p'-DDD	169 (Percent)	J/None	50 - 120	10 - 130	L	
LCS Recovery	WG2065187-2 (BS) / WG2065187-2	1 / 1.00	o,p'-DDT	170 (Percent)	J/None	50 - 120	10 - 130	L	
Surrogate	BA7C-WO5-0315-1 (N) / L1594359-13	1 / 1.00	4,4'-DDE-13C12	43.0 (Percent)	J/UJ	47 - 160	10 - 170	S	Only one SS out. Qualifier Removed.
Surrogate	BA7C-WO58-0315-1 (N) / L1594359-16	1 / 1.00	4,4'-DDE-13C12	43.0 (Percent)	J/UJ	47 - 160	10 - 170	S	Only one SS out. Qualifier Removed.
Surrogate	BA8C-WO55-0315-1 (N) / L1594359-20	1 / 1.00	4,4'-DDE-13C12	40.0 (Percent)	J/UJ	47 - 160	10 - 170	S	Only one SS out. Qualifier Removed.
Surrogate	BA8C-WO58-0315-1 (N) / L1594359-21	1 / 1.00	4,4'-DDE-13C12	21.0 (Percent)	J/UJ	47 - 160	10 - 170	S	Only one SS out. Qualifier Removed.

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EPA, Region 9

Final Quality Assurance Project Plan - Water Sampling Program for Remedial Action - Monitored Natural Recovery Component Palos Verdes Shelf, Los Angeles County, California

Surrogate	BA8C-WO58-0315-3 (FD) / L1594359-25	1 / 1.00	4,4'-DDE-13C12	18.0 (Percent)	J/UJ	47 - 160	10 - 170	S	Only one SS out. Qualifier Removed.
Surrogate	BA9DC-WO35-0315-1 (N) / L1594359-3	1 / 1.00	13C10-OXYCHLORDANE	162 (Percent)	J/None	23 - 135	10 - 145	S	Only one SS out. Qualifier Removed.
Surrogate	BA9DC-WO35-0315-1 (N) / L1594359-3	1 / 1.00	4,4'-DDT-13C12	141 (Percent)	J/None	5 - 120	< 130	S	Only one SS out. Qualifier Removed.
Surrogate	W4-WO198-0315-1 (N) / L1594359-12	1 / 1.00	4,4'-DDT-13C12	164 (Percent)	J/None	5 - 120	< 130	S	Only one SS out. Qualifier Removed.

Rule is the multiplier used when blank contamination occurs to determine action level.

Automated Data Review Detail Report for L1594359

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1668C		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
BA7C-WO30-0315-1	L1594359-14	WO	N	2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	0.68	1.8 J,M	1.8 J	-	PG/L	TR/G4
BA7C-WO30-0315-1	L1594359-14	WO	N	2,2',3,3',4,4',5,5'-OCTACHLOROBIPHENYL	0.34	0.50 J	0.50 J		PG/L	TR
BA7C-WO30-0315-1	L1594359-14	WO	N	2,2',3,3',4,4',5-HEPTACHLOROBIPHENYL	0.31	0.64 J,M	0.64 J		PG/L	TR/G4
BA7C-WO30-0315-1	L1594359-14	WO	N	2,2',3,3',4,5',6'-HEPTACHLOROBIPHENYL	0.49	0.49 J,M	0.49 U		PG/L	G4/K1
BA7C-WO30-0315-1	L1594359-14	WO	N	2,2',3,4,4',5,5'-HEPTACHLOROBIPHENYL	2.4	2.4 J,M	2.4 U		PG/L	K1/B1/G4
BA7C-WO30-0315-1	L1594359-14	WO	N	2,2',3,4,4',5',6-HEPTACHLOROBIPHENYL	0.56	0.56 J,M	0.56 U		PG/L	G4/B1/K1
BA7C-WO30-0315-1	L1594359-14	WO	N	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	1.6	6.9 J	6.9 J	+	PG/L	K1/B1/TR
BA7C-WO30-0315-1	L1594359-14	WO	N	2,2',3,4',5,5',6-HEPTACHLOROBIPHENYL	1.8	1.8 J,M	1.8 U		PG/L	K1/B1/G4
BA7C-WO30-0315-1	L1594359-14	WO	N	2,2',3,4',5',6-HEXACHLOROBIPHENYL	1.6	3.6 J,M	3.6 J	+	PG/L	K1/TR/G4
BA7C-WO30-0315-1	L1594359-14	WO	N	2,2',3,4,5'-PENTACHLOROBIPHENYL/2,3',4,4',6-Pentachlorobiphenyl	0.15	4.6 J	4.6 J	+	PG/L	TR/K1
BA7C-WO30-0315-1	L1594359-14	WO	N	2,2',3,5,5',6-HEXACHLOROBIPHENYL	0.18	1.8 J	1.8 J	+	PG/L	TR/K1
BA7C-WO30-0315-1	L1594359-14	WO	N	2,2',3,5'-TETRACHLOROBIPHENYL	0.45	14.4	14.4 J	+	PG/L	B1/TR
BA7C-WO30-0315-1	L1594359-14	WO	N	2,2',4,4',5,5'-HEXACHLOROBIPHENYL/2,3',4,4',5',6-HEXACHLOROBIPHENYL	1.3	5.6 J,M	5.6 J	+	PG/L	TR/G4/K1/B1
BA7C-WO30-0315-1	L1594359-14	WO	N	2,2',4,5,5'-PENTACHLOROBIPHENYL	0.15	7.0 J	7.0 J	+	PG/L	K1/B1/TR
BA7C-WO30-0315-1	L1594359-14	WO	N	2,2',4,5'-TETRACHLOROBIPHENYL	2.8	5.9 J,M	5.9 J	+	PG/L	B1/TR/G4
BA7C-WO30-0315-1	L1594359-14	WO	N	2,2',5,5'-TETRACHLOROBIPHENYL	0.45	13.2	13.2 J	+	PG/L	K1/TR
BA7C-WO30-0315-1	L1594359-14	WO	N	2,2',5-TRICHLOROBIPHENYL	0.33	16.1	16.1 J	+	PG/L	K1/TR

Automated Data Review Detail Report for L1594359

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1668C		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
BA7C-WO30-0315-1	L1594359-14	WO	N	2,3,3',4,4',5'-Hexachlorobiphenyl/2,3,3',4,4',5'-Hexachlorobiphenyl	1.4	1.6 J	1.6 J	+	PG/L	K1/B1/TR
BA7C-WO30-0315-1	L1594359-14	WO	N	2,3,3',4,4'-PENTACHLOROBIPHENYL	0.20	2.7 J,M	2.7 J	+	PG/L	K1/TR/G4
BA7C-WO30-0315-1	L1594359-14	WO	N	2,3,3',4',6'-PENTACHLOROBIPHENYL	0.14	9.1 J	9.1 J	+	PG/L	K1/TR
BA7C-WO30-0315-1	L1594359-14	WO	N	2,3,4,4',5'-PENTACHLOROBIPHENYL	0.21	0.46 J,M	0.46 J	-	PG/L	TR/G4
BA7C-WO30-0315-1	L1594359-14	WO	N	2',3,4,4',5'-PENTACHLOROBIPHENYL	0.21	0.52 J	0.52 J	-	PG/L	TR
BA7C-WO30-0315-1	L1594359-14	WO	N	2,3',4,4',5'-PENTACHLOROBIPHENYL	0.20	6.7 J	6.7 J	+	PG/L	K1/B1/TR
BA7C-WO30-0315-1	L1594359-14	WO	N	2,3',4,4'-TETRACHLOROBIPHENYL	0.41	7.7 J,B	7.7 J	+	PG/L	K1/TR
BA7C-WO30-0315-1	L1594359-14	WO	N	2,4,4'-TRICHLOROBIPHENYL	0.31	19.1	19.1 J	+	PG/L	K1/TR
BA7C-WO30-0315-1	L1594359-14	WO	N	2,4',5'-TRICHLOROBIPHENYL	2.4	8.6 J	8.6 J	+	PG/L	K1/TR
BA7C-WO30-0315-1	L1594359-14	WO	N	2,4'-DICHLOROBIPHENYL	2.0	26.2	26.2 J	+	PG/L	B1
BA7C-WO30-0315-1	L1594359-14	WO	N	3,3',4,4',5'-PENTACHLOROBIPHENYL	0.21	0.32 J,M	0.32 J	-	PG/L	TR/G4
BA7C-WO30-0315-1	L1594359-14	WO	N	3,3',4,4'-TETRACHLOROBIPHENYL	0.54	1.1 J,B	1.1 J	-	PG/L	TR
BA7C-WO30-0315-1	L1594359-14	WO	N	3,4,4'-TRICHLOROBIPHENYL	0.41	4.1 J,B	4.1 J	+	PG/L	B1/TR
BA7C-WO30-0315-1	L1594359-14	WO	N	PCB061/070/074/076	0.45	15.0 B	15.0 J	+	PG/L	B1
BA7C-WO5-0315-1	L1594359-13	WO	N	2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	2.9	3.9 J,M	3.9 J	-	PG/L	TR/G4
BA7C-WO5-0315-1	L1594359-13	WO	N	2,2',3,3',4,4'-HEXACHLOROBIPHENYL	0.38	0.38 J,M	0.38 U		PG/L	B1/G4
BA7C-WO5-0315-1	L1594359-13	WO	N	2,2',3,3',4,5',6'-HEPTACHLOROBIPHENYL	0.82	2.1 J	2.1 J	+	PG/L	TR/K1
BA7C-WO5-0315-1	L1594359-13	WO	N	2,2',3,4,4',5,5'-HEPTACHLOROBIPHENYL	2.9	2.9 J,M	2.9 U		PG/L	K1/B1/G4
BA7C-WO5-0315-1	L1594359-13	WO	N	2,2',3,4,4',5',6'-HEPTACHLOROBIPHENYL	0.68	0.92 J,M	0.92 J	+	PG/L	TR/G4/B1/K1
BA7C-WO5-0315-1	L1594359-13	WO	N	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	0.38	5.2 J	5.2 J	+	PG/L	K1/B1/TR

Automated Data Review Detail Report for L1594359

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1668C		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
BA7C-WO5-0315-1	L1594359-13	WO	N	2,2',3,4',5,5',6-HEPTACHLOROBIPHENYL	0.74	3.4 J,M	3.4 J	+	PG/L	K1/B1/TR/G4
BA7C-WO5-0315-1	L1594359-13	WO	N	2,2',3,4,5'-PENTACHLOROBIPHENYL/2,3',4,4',6-Pentachlorobiphenyl	0.20	2.4 J	2.4 J	+	PG/L	TR/K1
BA7C-WO5-0315-1	L1594359-13	WO	N	2,2',3,5,5',6-HEXACHLOROBIPHENYL	0.27	1.0 J,M	1.0 J	+	PG/L	TR/G4/K1
BA7C-WO5-0315-1	L1594359-13	WO	N	2,2',3,5'-TETRACHLOROBIPHENYL	0.48	4.6 J	4.6 J	+	PG/L	B1/TR
BA7C-WO5-0315-1	L1594359-13	WO	N	2,2',4,4',5,5'-HEXACHLOROBIPHENYL/2,3',4,4',5,5',6-HEXACHLOROBIPHENYL	5.6	4.4 J	5.6 U		PG/L	K1/B1
BA7C-WO5-0315-1	L1594359-13	WO	N	2,2',4,4',5-PENTACHLOROBIPHENYL	0.24	0.64 J	0.64 J	-	PG/L	TR
BA7C-WO5-0315-1	L1594359-13	WO	N	2,2',4,5,5'-PENTACHLOROBIPHENYL	0.20	3.2 J	3.2 J	+	PG/L	K1/B1/TR
BA7C-WO5-0315-1	L1594359-13	WO	N	2,2',4,5'-TETRACHLOROBIPHENYL	0.46	1.4 J,M	1.4 J	+	PG/L	B1/TR/G4
BA7C-WO5-0315-1	L1594359-13	WO	N	2,2',5,5'-TETRACHLOROBIPHENYL	0.49	3.4 J	3.4 J	+	PG/L	K1/TR
BA7C-WO5-0315-1	L1594359-13	WO	N	2,2',5-TRICHLOROBIPHENYL	0.27	10.7 J	10.7 J	+	PG/L	K1/TR
BA7C-WO5-0315-1	L1594359-13	WO	N	2,3,3',4,4',5-Hexachlorobiphenyl/2,3,3',4,4',5'-Hexachlorobiphenyl	0.30	0.86 J,M	0.86 J	+	PG/L	K1/B1/TR/G4
BA7C-WO5-0315-1	L1594359-13	WO	N	2,3,3',4,4',5-PENTACHLOROBIPHENYL	0.28	1.2 J,B	1.2 J	+	PG/L	K1
BA7C-WO5-0315-1	L1594359-13	WO	N	2,3,3',4',6-PENTACHLOROBIPHENYL	0.19	4.7 J	4.7 J	+	PG/L	K1/TR
BA7C-WO5-0315-1	L1594359-13	WO	N	2,3',4,4',5,5'-HEXACHLOROBIPHENYL	0.51	0.51 J,M	0.51 U		PG/L	K1/G4/B1
BA7C-WO5-0315-1	L1594359-13	WO	N	2,3,4,4',5-PENTACHLOROBIPHENYL	0.43	0.64 J,M	0.64 J	-	PG/L	TR/G4
BA7C-WO5-0315-1	L1594359-13	WO	N	2,3',4,4',5-PENTACHLOROBIPHENYL	2.6	2.6 J,M	2.6 U		PG/L	K1/B1/G4
BA7C-WO5-0315-1	L1594359-13	WO	N	2,3',4,4'-TETRACHLOROBIPHENYL	0.40	1.4 J,B	1.4 J	+	PG/L	K1

Automated Data Review Detail Report for L1594359

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1668C		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
BA7C-WO5-0315-1	L1594359-13	WO	N	2,4,4'-TRICHLOROBIPHENYL	0.21	7.5 J,B	7.5 J	+	PG/L	K1/TR
BA7C-WO5-0315-1	L1594359-13	WO	N	2,4,5'-TRICHLOROBIPHENYL	0.19	4.3 J,M	4.3 J	+	PG/L	K1/TR/G4
BA7C-WO5-0315-1	L1594359-13	WO	N	2,4'-DICHLOROBIPHENYL	2.8	24.1	24.1 J	+	PG/L	B1
BA7C-WO5-0315-1	L1594359-13	WO	N	3,3',4,4',5'-PENTACHLOROBIPHENYL	0.27	0.29 J,M	0.29 J	-	PG/L	TR/G4
BA7C-WO5-0315-1	L1594359-13	WO	N	3,3',4,4'-TETRACHLOROBIPHENYL	0.59	0.76 J,M	0.76 J	-	PG/L	TR/G4
BA7C-WO5-0315-1	L1594359-13	WO	N	3,4,4'-TRICHLOROBIPHENYL	0.31	1.6 J,B	1.6 J	+	PG/L	B1/TR
BA7C-WO5-0315-1	L1594359-13	WO	N	PCB061/070/074/076	0.44	2.3 J,B	2.3 J	+	PG/L	TR/B1
BA7C-WO55-0315-1	L1594359-15	WO	N	2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	0.56	1.7 J,M	1.7 J	-	PG/L	TR/G4
BA7C-WO55-0315-1	L1594359-15	WO	N	2,2',3,3',4,4',5'-HEPTACHLOROBIPHENYL	0.25	0.94 J	0.94 J		PG/L	TR
BA7C-WO55-0315-1	L1594359-15	WO	N	2,2',3,3',4,4'-HEXACHLOROBIPHENYL	0.25	0.25 J,M	0.25 U		PG/L	B1/G4
BA7C-WO55-0315-1	L1594359-15	WO	N	2,2',3,3',4,5,6'-HEPTACHLOROBIPHENYL	0.54	0.54 J,M	0.54 U		PG/L	G4/K1
BA7C-WO55-0315-1	L1594359-15	WO	N	2,2',3,4,4',5,5',6'-OCTACHLOROBIPHENYL	0.26	0.47 J	0.47 J		PG/L	TR
BA7C-WO55-0315-1	L1594359-15	WO	N	2,2',3,4,4',5,5'-HEPTACHLOROBIPHENYL	3.4	1.5 J	3.4 U		PG/L	K1/B1/TR
BA7C-WO55-0315-1	L1594359-15	WO	N	2,2',3,4,4',5',6'-HEPTACHLOROBIPHENYL	0.32	0.32 J,M	0.32 U		PG/L	G4/B1/K1
BA7C-WO55-0315-1	L1594359-15	WO	N	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	3.5	2.5 J	3.5 U		PG/L	K1/B1
BA7C-WO55-0315-1	L1594359-15	WO	N	2,2',3,4',5,5',6'-HEPTACHLOROBIPHENYL	1.2	1.2 J,M	1.2 U		PG/L	K1/B1/G4
BA7C-WO55-0315-1	L1594359-15	WO	N	2,2',3,4',5',6'-HEXACHLOROBIPHENYL	1.3	1.3 J,M	1.3 U		PG/L	K1/G4
BA7C-WO55-0315-1	L1594359-15	WO	N	2,2',3,4,5'-PENTACHLOROBIPHENYL/2,3',4,4',6-Pentachlorobiphenyl	1.2	1.2 J,M	1.2 U		PG/L	G4/K1
BA7C-WO55-0315-1	L1594359-15	WO	N	2,2',3,5,5',6'-HEXACHLOROBIPHENYL	0.52	0.52 J,M	0.52 U		PG/L	/G4/K1
BA7C-WO55-0315-1	L1594359-15	WO	N	2,2',3,5'-TETRACHLOROBIPHENYL	2.8	2.6 J	2.8 U		PG/L	B1

Automated Data Review Detail Report for L1594359

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1668C		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
BA7C-WO55-0315-1	L1594359-15	WO	N	2,2',4,4',5,5'- HEXACHLOROBIPHENYL/2,3',4 ,4',5',6- HEXACHLOROBIPHENYL	5.6	2.1 J	5.6 U		PG/L	K1/B1
BA7C-WO55-0315-1	L1594359-15	WO	N	2,2',4,5,5'- PENTACHLOROBIPHENYL	0.15	2.0 J	2.0 J	+	PG/L	K1/B1/TR
BA7C-WO55-0315-1	L1594359-15	WO	N	2,2',5,5'- TETRACHLOROBIPHENYL	2.1	1.8 J	2.1 U		PG/L	K1
BA7C-WO55-0315-1	L1594359-15	WO	N	2,2',5-TRICHLOROBIPHENYL	2.1	2.1 J,M	2.1 U		PG/L	K1/G4
BA7C-WO55-0315-1	L1594359-15	WO	N	2,3,3',4,4',5,5'- HEPTACHLOROBIPHENYL	0.40	0.77 J,M	0.77 J		PG/L	TR/G4
BA7C-WO55-0315-1	L1594359-15	WO	N	2,3,3',4,4',5- Hexachlorobiphenyl/2,3,3',4,4',5'- Hexachlorobiphenyl	0.097	1.9 J	1.6 J	+	PG/L	K1/B1/TR
BA7C-WO55-0315-1	L1594359-15	WO	N	2,3,3',4,4',6- HEXACHLOROBIPHENYL	0.22	0.22 J,M	0.22 U		PG/L	K1/G4
BA7C-WO55-0315-1	L1594359-15	WO	N	2,3,3',4,4'- PENTACHLOROBIPHENYL	0.17	1.6 J,B	1.6 J	+	PG/L	K1
BA7C-WO55-0315-1	L1594359-15	WO	N	2,3,3',4',6- PENTACHLOROBIPHENYL	0.13	1.9 J,M	1.9 J	+	PG/L	K1/TR/G4
BA7C-WO55-0315-1	L1594359-15	WO	N	2,3',4,4',5,5'- HEXACHLOROBIPHENYL	0.081	0.91 J,M	0.91 J	+	PG/L	TR/K1/G4/B1
BA7C-WO55-0315-1	L1594359-15	WO	N	2,3,4,4',5- PENTACHLOROBIPHENYL	0.18	0.96 J	0.96 J	-	PG/L	TR
BA7C-WO55-0315-1	L1594359-15	WO	N	2',3,4,4',5- PENTACHLOROBIPHENYL	0.19	1.1 J	1.1 J	-	PG/L	TR
BA7C-WO55-0315-1	L1594359-15	WO	N	2,3',4,4',5- PENTACHLOROBIPHENYL	0.17	3.0 J	3.0 J	+	PG/L	K1/B1/TR
BA7C-WO55-0315-1	L1594359-15	WO	N	2,3',4,4'- TETRACHLOROBIPHENYL	0.48	1.2 J,B	1.2 J	+	PG/L	K1/TR
BA7C-WO55-0315-1	L1594359-15	WO	N	2,4,4'-TRICHLOROBIPHENYL	0.19	2.8 J,B	2.8 J	+	PG/L	K1
BA7C-WO55-0315-1	L1594359-15	WO	N	3,3',4,4',5,5'- HEXACHLOROBIPHENYL	0.10	1.0 J	1.0 J		PG/L	TR
BA7C-WO55-0315-1	L1594359-15	WO	N	3,3',4,4',5- PENTACHLOROBIPHENYL	0.17	1.2 J	1.2 J	-	PG/L	TR
BA7C-WO55-0315-1	L1594359-15	WO	N	3,3',4,4'- TETRACHLOROBIPHENYL	0.65	1.3 J,B	1.3 J	-	PG/L	TR

Automated Data Review Detail Report for L1594359

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1668C		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
BA7C-WO55-0315-1	L1594359-15	WO	N	3,4,4',5'-TETRACHLOROBIPHENYL	0.62	0.84 J,M	0.84 J	-	PG/L	TR/G4
BA7C-WO55-0315-1	L1594359-15	WO	N	3,4,4'-TRICHLOROBIPHENYL	0.27	1.6 J,M	1.6 J	+	PG/L	B1/TR/G4
BA7C-WO55-0315-1	L1594359-15	WO	N	PCB061/070/074/076	2.2	2.0 J,B	2.2 U		PG/L	B1
BA7C-WO58-0315-1	L1594359-16	WO	N	2,2',3,3',4,4'-HEXACHLOROBIPHENYL	2.9	0.61 J	2.9 U		PG/L	B1
BA7C-WO58-0315-1	L1594359-16	WO	N	2,2',3,3',4,5',6'-HEPTACHLOROBIPHENYL	1.2	1.2 U	1.2 UJ		PG/L	K1
BA7C-WO58-0315-1	L1594359-16	WO	N	2,2',3,4,4',5,5'-HEPTACHLOROBIPHENYL	3.4	2.6 J	3.4 U		PG/L	K1/B1/TR
BA7C-WO58-0315-1	L1594359-16	WO	N	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	2.6	2.6 J,M	2.6 U		PG/L	K1/B1/G4
BA7C-WO58-0315-1	L1594359-16	WO	N	2,2',3,4',5,5',6'-HEPTACHLOROBIPHENYL	1.5	1.5 J,M	1.5 U		PG/L	K1/B1/G4
BA7C-WO58-0315-1	L1594359-16	WO	N	2,2',3,4,5'-PENTACHLOROBIPHENYL/2,3',4,4',6-Pentachlorobiphenyl	0.23	1.5 J	1.5 J	+	PG/L	TR/K1
BA7C-WO58-0315-1	L1594359-16	WO	N	2,2',3,5,5',6'-HEXACHLOROBIPHENYL	0.25	0.25 U	0.25 UJ		PG/L	K1
BA7C-WO58-0315-1	L1594359-16	WO	N	2,2',3,5'-TETRACHLOROBIPHENYL	1.6	1.6 J,M	1.6 U		PG/L	B1/G4
BA7C-WO58-0315-1	L1594359-16	WO	N	2,2',4,4',5,5'-HEXACHLOROBIPHENYL/2,3',4,4',5',6'-HEXACHLOROBIPHENYL	5.6	2.7 J	5.6 U		PG/L	K1/B1
BA7C-WO58-0315-1	L1594359-16	WO	N	2,2',4,5,5'-PENTACHLOROBIPHENYL	1.6	1.5 J	1.6 U		PG/L	K1/B1
BA7C-WO58-0315-1	L1594359-16	WO	N	2,2',5,5'-TETRACHLOROBIPHENYL	2.1	1.2 J	2.1 U		PG/L	K1
BA7C-WO58-0315-1	L1594359-16	WO	N	2,2',5-TRICHLOROBIPHENYL	2.7	1.9 J	2.7 U		PG/L	K1
BA7C-WO58-0315-1	L1594359-16	WO	N	2,3,3',4,4',5'-Hexachlorobiphenyl/2,3,3',4,4',5'-Hexachlorobiphenyl	0.52	0.52 J,M	0.52 U		PG/L	K1/B1/G4
BA7C-WO58-0315-1	L1594359-16	WO	N	2,3,3',4,4'-PENTACHLOROBIPHENYL	0.26	0.67 J,M	0.67 J	+	PG/L	K1/TR/G4
BA7C-WO58-0315-1	L1594359-16	WO	N	2,3,3',4',6-PENTACHLOROBIPHENYL	0.21	2.0 J,M	2.0 J	+	PG/L	K1/TR/G4

Automated Data Review Detail Report for L1594359

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1668C		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
BA7C-WO58-0315-1	L1594359-16	WO	N	2,3',4,4',5-PENTACHLOROBIPHENYL	1.6	1.6 J,M	1.6 U		PG/L	K1/B1/G4
BA7C-WO58-0315-1	L1594359-16	WO	N	2,4,4'-TRICHLOROBIPHENYL	2.8	1.9 J,B	2.8 U		PG/L	K1
BA7C-WO58-0315-1	L1594359-16	WO	N	2,4'-DICHLOROBIPHENYL	4.1	3.5 J	4.1 U		PG/L	B1
BA7C-WO58-0315-1	L1594359-16	WO	N	3,4,4'-TRICHLOROBIPHENYL	0.63	1.0 J,B	1.0 J	+	PG/L	B1/TR
BA8C-WO30-0315-1	L1594359-19	WO	N	2,2',3,3',4,4',5-HEPTACHLOROBIPHENYL	0.61	1.6 J	1.6 J		PG/L	TR
BA8C-WO30-0315-1	L1594359-19	WO	N	2,2',3,3',4,5',6'-HEPTACHLOROBIPHENYL	0.57	1.3 J,M	1.3 J	+	PG/L	TR/G4/K1
BA8C-WO30-0315-1	L1594359-19	WO	N	2,2',3,4,4',5,5'-HEPTACHLOROBIPHENYL	0.49	3.7 J,M	3.7 J	+	PG/L	K1/B1/TR/G4
BA8C-WO30-0315-1	L1594359-19	WO	N	2,2',3,4,4',5',6-HEPTACHLOROBIPHENYL	0.47	1.2 J	1.2 J	+	PG/L	TR
BA8C-WO30-0315-1	L1594359-19	WO	N	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	0.57	3.8 J	3.8 J	+	PG/L	K1/B1/TR
BA8C-WO30-0315-1	L1594359-19	WO	N	2,2',3,4',5,5',6-HEPTACHLOROBIPHENYL	2.3	2.3 J,M	2.3 U		PG/L	K1/B1/G4
BA8C-WO30-0315-1	L1594359-19	WO	N	2,2',3,4',5',6-HEXACHLOROBIPHENYL	2.1	2.1 J,M	2.1 U		PG/L	K1/G4
BA8C-WO30-0315-1	L1594359-19	WO	N	2,2',3,4,5'-PENTACHLOROBIPHENYL/2,3',4,4',6-Pentachlorobiphenyl	1.3	1.2 J	1.3 U		PG/L	TR/K1
BA8C-WO30-0315-1	L1594359-19	WO	N	2,2',3,5,5',6-HEXACHLOROBIPHENYL	0.24	1.2 J,M	1.2 J	+	PG/L	TR/G4/K1
BA8C-WO30-0315-1	L1594359-19	WO	N	2,2',3,5'-TETRACHLOROBIPHENYL	2.8	1.7 J	2.8 U		PG/L	B1
BA8C-WO30-0315-1	L1594359-19	WO	N	2,2',4,4',5,5'-HEXACHLOROBIPHENYL/2,3',4,4',5',6-HEXACHLOROBIPHENYL	5.4	5.4 J,M	5.4 U		PG/L	G4/K1/B1
BA8C-WO30-0315-1	L1594359-19	WO	N	2,2',4,4',5-PENTACHLOROBIPHENYL	0.20	0.74 J	0.74 J	-	PG/L	TR
BA8C-WO30-0315-1	L1594359-19	WO	N	2,2',4,5,5'-PENTACHLOROBIPHENYL	0.17	1.7 J,M	1.7 J	+	PG/L	TR/B1/G4/K1
BA8C-WO30-0315-1	L1594359-19	WO	N	2,2',5,5'-TETRACHLOROBIPHENYL	2.1	1.7 J	2.1 U		PG/L	K1

Automated Data Review Detail Report for L1594359

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1668C		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
BA8C-WO30-0315-1	L1594359-19	WO	N	2,2',5-TRICHLOROBIPHENYL	2.7	2.5 J	2.7 U		PG/L	K1
BA8C-WO30-0315-1	L1594359-19	WO	N	2,3,3',4,4',5'-Hexachlorobiphenyl/2,3,3',4,4',5'-Hexachlorobiphenyl	0.60	0.60 J,M	0.60 U		PG/L	K1/B1/G4
BA8C-WO30-0315-1	L1594359-19	WO	N	2,3,3',4,4'-PENTACHLOROBIPHENYL	0.85	0.85 J,M	0.85 U		PG/L	K1/G4
BA8C-WO30-0315-1	L1594359-19	WO	N	2,3,3',4',6-PENTACHLOROBIPHENYL	0.15	2.2 J	2.2 J	+	PG/L	K1/TR
BA8C-WO30-0315-1	L1594359-19	WO	N	2,3',4,4',5,5'-HEXACHLOROBIPHENYL	0.76	0.60 J	0.76 U		PG/L	K1/B1
BA8C-WO30-0315-1	L1594359-19	WO	N	2,3',4,4',5-PENTACHLOROBIPHENYL	0.45	3.1 J	3.1 J	+	PG/L	K1/B1/TR
BA8C-WO30-0315-1	L1594359-19	WO	N	2,4,4'-TRICHLOROBIPHENYL	2.8	2.5 J,B	2.8 U		PG/L	K1
BA8C-WO30-0315-1	L1594359-19	WO	N	2,4',5-TRICHLOROBIPHENYL	1.5	2.6 J	2.6 J	+	PG/L	K1/TR
BA8C-WO30-0315-1	L1594359-19	WO	N	2,4'-DICHLOROBIPHENYL	4.1	3.4 J	4.1 U		PG/L	B1
BA8C-WO30-0315-1	L1594359-19	WO	N	3,4,4'-TRICHLOROBIPHENYL	0.42	1.0 J,M	1.0 J	+	PG/L	B1/TR/G4
BA8C-WO55-0315-1	L1594359-20	WO	N	2,2',3,3',4,4',5-HEPTACHLOROBIPHENYL	0.69	2.1 J,M	2.1 J		PG/L	TR/G4
BA8C-WO55-0315-1	L1594359-20	WO	N	2,2',3,3',4,4'-HEXACHLOROBIPHENYL	2.9	0.96 J	2.9 U		PG/L	B1
BA8C-WO55-0315-1	L1594359-20	WO	N	2,2',3,3',4,5',6'-HEPTACHLOROBIPHENYL	0.64	1.6 J,M	1.6 J	+	PG/L	TR/G4/K1
BA8C-WO55-0315-1	L1594359-20	WO	N	2,2',3,4,4',5,5',6-OCTACHLOROBIPHENYL	1.0	1.5 J	1.5 J	-	PG/L	TR
BA8C-WO55-0315-1	L1594359-20	WO	N	2,2',3,4,4',5,5'-HEPTACHLOROBIPHENYL	0.56	5.9 J,M	5.9 J	+	PG/L	K1/B1/TR/G4
BA8C-WO55-0315-1	L1594359-20	WO	N	2,2',3,4,4',5',6-HEPTACHLOROBIPHENYL	0.53	1.1 J,M	1.1 J	+	PG/L	TR/G4/B1/K1
BA8C-WO55-0315-1	L1594359-20	WO	N	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	0.43	8.2 J	8.2 J	+	PG/L	K1/B1
BA8C-WO55-0315-1	L1594359-20	WO	N	2,2',3,4',5,5',6-HEPTACHLOROBIPHENYL	0.58	5.4 J	5.4 J	+	PG/L	K1/B1/TR
BA8C-WO55-0315-1	L1594359-20	WO	N	2,2',3,4',5',6-HEXACHLOROBIPHENYL	2.2	6.7 J	6.7 J	+	PG/L	K1/TR

Automated Data Review Detail Report for L1594359

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1668C		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
BA8C-WO55-0315-1	L1594359-20	WO	N	2,2',3,4,5'-PENTACHLOROBIPHENYL/2,3',4,4',6-Pentachlorobiphenyl	0.17	1.7 J,M	1.7 J	+	PG/L	TR/G4/K1
BA8C-WO55-0315-1	L1594359-20	WO	N	2,2',3,5,5',6-HEXACHLOROBIPHENYL	0.21	1.5 J,M	1.5 J	+	PG/L	TR/G4/K1
BA8C-WO55-0315-1	L1594359-20	WO	N	2,2',3,5'-TETRACHLOROBIPHENYL	2.8	2.7 J	2.8 U		PG/L	B1
BA8C-WO55-0315-1	L1594359-20	WO	N	2,2',4,4',5,5'-HEXACHLOROBIPHENYL/2,3',4,4',5,6-HEXACHLOROBIPHENYL	0.35	10.1 J	10.1 J	+	PG/L	TR/K1/B1
BA8C-WO55-0315-1	L1594359-20	WO	N	2,2',4,5,5'-PENTACHLOROBIPHENYL	0.17	3.1 J	3.1 J	+	PG/L	TR/K1
BA8C-WO55-0315-1	L1594359-20	WO	N	2,2',4,5'-TETRACHLOROBIPHENYL	0.82	0.82 J,M	0.82 U		PG/L	B1/G4
BA8C-WO55-0315-1	L1594359-20	WO	N	2,2',5,5'-TETRACHLOROBIPHENYL	2.1	2.1 J	2.1 U		PG/L	K1
BA8C-WO55-0315-1	L1594359-20	WO	N	2,2',5-TRICHLOROBIPHENYL	0.29	2.8 J	2.8 J	+	PG/L	K1/TR
BA8C-WO55-0315-1	L1594359-20	WO	N	2,3,3',4,4',5'-Hexachlorobiphenyl/2,3,3',4,4',5'-Hexachlorobiphenyl	0.37	0.79 J,M	0.79 J	+	PG/L	K1/B1/TR/G4
BA8C-WO55-0315-1	L1594359-20	WO	N	2,3,3',4,4',6-HEXACHLOROBIPHENYL	0.30	0.47 J	0.47 J	+	PG/L	TR/K1
BA8C-WO55-0315-1	L1594359-20	WO	N	2,3,3',4,4'-PENTACHLOROBIPHENYL	0.42	0.95 J,M	0.95 J	+	PG/L	K1/TR/G4
BA8C-WO55-0315-1	L1594359-20	WO	N	2,3,3',4',6-PENTACHLOROBIPHENYL	0.16	3.3 J,M	3.3 J	+	PG/L	K1/TR/G4
BA8C-WO55-0315-1	L1594359-20	WO	N	2,3',4,4',5,5'-HEXACHLOROBIPHENYL	0.49	0.49 J,M	0.49 U		PG/L	K1/G4/B1
BA8C-WO55-0315-1	L1594359-20	WO	N	2,3',4,4',5-PENTACHLOROBIPHENYL	0.52	3.7 J	3.7 J	+	PG/L	K1/B1/TR
BA8C-WO55-0315-1	L1594359-20	WO	N	2,3',4,4'-TETRACHLOROBIPHENYL	0.64	1.1 J,B	1.1 J	+	PG/L	K1/TR
BA8C-WO55-0315-1	L1594359-20	WO	N	2,4,4'-TRICHLOROBIPHENYL	2.7	2.7 J,M	2.7 U		PG/L	K1/G4
BA8C-WO55-0315-1	L1594359-20	WO	N	2,4'-DICHLOROBIPHENYL	4.1	4.0 J	4.1 U		PG/L	B1
BA8C-WO55-0315-1	L1594359-20	WO	N	3,4,4'-TRICHLOROBIPHENYL	0.58	1.3 J,B	1.3 J	+	PG/L	B1/TR

Automated Data Review Detail Report for L1594359

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1668C		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
BA8C-WO55-0315-1	L1594359-20	WO	N	PCB061/070/074/076	2.2	2.1 J,B	2.2 U		PG/L	B1
BA8C-WO58-0315-2	L1594359-23	WO	N	2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	0.55	0.55 U	0.55 UJ		PG/L	S
BA8C-WO58-0315-2	L1594359-23	WO	N	2,2',3,3',4,4',5,5',6-NONACHLOROBIPHENYL	1.5	1.5 U	1.5 UJ		PG/L	S
BA8C-WO58-0315-2	L1594359-23	WO	N	2,2',3,3',4,4',5,5'-OCTACHLOROBIPHENYL	0.38	0.38 U	0.38 UJ		PG/L	S
BA8C-WO58-0315-2	L1594359-23	WO	N	2,2',3,3',4,4',5,6-OCTACHLOROBIPHENYL	0.37	0.37 U	0.37 UJ		PG/L	S
BA8C-WO58-0315-2	L1594359-23	WO	N	2,2',3,3',4,4',5-HEPTACHLOROBIPHENYL	0.18	0.73 J	0.73 J		PG/L	D5/S/TR
BA8C-WO58-0315-2	L1594359-23	WO	N	2,2',3,3',4,4'-HEXACHLOROBIPHENYL	2.9	0.41 J	2.9 U		PG/L	B1/S/TR
BA8C-WO58-0315-2	L1594359-23	WO	N	2,2',3,3',4,5',6,6'-OctaChloroBiphenyl	0.11	0.11 U	0.11 UJ		PG/L	S
BA8C-WO58-0315-2	L1594359-23	WO	N	2,2',3,3',4,5',6'-HEPTACHLOROBIPHENYL	0.72	0.72 J,M	0.72 U		PG/L	S/G4/K1
BA8C-WO58-0315-2	L1594359-23	WO	N	2,2',3,4,4',5,5',6-OCTACHLOROBIPHENYL	0.17	0.23 J,M	0.23 J	-	PG/L	TR/D5/S/G4
BA8C-WO58-0315-2	L1594359-23	WO	N	2,2',3,4,4',5,5'-HEPTACHLOROBIPHENYL	0.15	1.8 J	0.15 U		PG/L	K1/B1/S/TR
BA8C-WO58-0315-2	L1594359-23	WO	N	2,2',3,4,4',5',6-HEPTACHLOROBIPHENYL	0.76	0.58 J	0.76 U		PG/L	S
BA8C-WO58-0315-2	L1594359-23	WO	N	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	0.18	3.7 J	3.7 J		PG/L	K1/B1/S/TR
BA8C-WO58-0315-2	L1594359-23	WO	N	2,2',3,4',5,5',6-HEPTACHLOROBIPHENYL	2.9	1.6 J	2.9 U		PG/L	K1/B1/S/TR
BA8C-WO58-0315-2	L1594359-23	WO	N	2,2',3,4',5',6-HEXACHLOROBIPHENYL	1.2	1.2 J,M	1.2 U		PG/L	K1/S/G4
BA8C-WO58-0315-2	L1594359-23	WO	N	2,2',3,4,5'-PENTACHLOROBIPHENYL/2,3',4,4',6-Pentachlorobiphenyl	0.12	1.9 J	1.9 J		PG/L	TR/S/K1
BA8C-WO58-0315-2	L1594359-23	WO	N	2,2',3,5,5',6-HEXACHLOROBIPHENYL	0.065	1.1 J	1.1 J		PG/L	TR/S/K1
BA8C-WO58-0315-2	L1594359-23	WO	N	2,2',3,5'-TETRACHLOROBIPHENYL	0.25	3.7 J	3.7 J		PG/L	B1/S/TR

Automated Data Review Detail Report for L1594359

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1668C		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
BA8C-WO58-0315-2	L1594359-23	WO	N	2,2',4,4',5,5'- HEXACHLOROBIPHENYL/2,3',4 ,4',5',6- HEXACHLOROBIPHENYL	5.6	4.2 J	5.6 U		PG/L	S/K1/B1
BA8C-WO58-0315-2	L1594359-23	WO	N	2,2',4,4',5- PENTACHLOROBIPHENYL	0.86	1.3 J	1.3 J	-	PG/L	TR/S
BA8C-WO58-0315-2	L1594359-23	WO	N	2,2',4,5,5'- PENTACHLOROBIPHENYL	0.12	2.6 J	2.6 J		PG/L	S/K1/B1/TR
BA8C-WO58-0315-2	L1594359-23	WO	N	2,2',4,5'- TETRACHLOROBIPHENYL	0.23	1.3 J,M	1.3 J		PG/L	B1/TR/S/G4
BA8C-WO58-0315-2	L1594359-23	WO	N	2,2',5,5'- TETRACHLOROBIPHENYL	0.25	3.3 J	3.3 J		PG/L	K1/S/TR
BA8C-WO58-0315-2	L1594359-23	WO	N	2,2',5-TRICHLOROBIPHENYL	2.7	2.4 J,M	2.7 U		PG/L	K1/S/G4
BA8C-WO58-0315-2	L1594359-23	WO	N	2,3,3',4,4',5,5'- HEPTACHLOROBIPHENYL	0.19	0.19 U	0.19 UJ		PG/L	S
BA8C-WO58-0315-2	L1594359-23	WO	N	2,3,3',4,4',5- Hexachlorobiphenyl/2,3,3',4,4',5'- Hexachlorobiphenyl	0.41	0.41 J,M	0.41 U		PG/L	K1/B1/D5/S/G
BA8C-WO58-0315-2	L1594359-23	WO	N	2,3,3',4,4',6- HEXACHLOROBIPHENYL	0.24	0.24 J,M	0.24 U		PG/L	K1/S/G4
BA8C-WO58-0315-2	L1594359-23	WO	N	2,3,3',4,4'- PENTACHLOROBIPHENYL	0.16	0.68 J,M	0.16 U		PG/L	K1/S/G4
BA8C-WO58-0315-2	L1594359-23	WO	N	2,3,3',4',6- PENTACHLOROBIPHENYL	0.11	3.1 J	3.1 J		PG/L	K1/S/TR
BA8C-WO58-0315-2	L1594359-23	WO	N	2,3',4,4',5,5'- HEXACHLOROBIPHENYL	0.24	0.24 J,M	0.24 U		PG/L	K1/S/G4/B1
BA8C-WO58-0315-2	L1594359-23	WO	N	2,3,4,4',5- PENTACHLOROBIPHENYL	0.18	0.18 U	0.18 UJ		PG/L	S
BA8C-WO58-0315-2	L1594359-23	WO	N	2',3,4,4',5- PENTACHLOROBIPHENYL	0.18	0.18 U	0.18 UJ		PG/L	S
BA8C-WO58-0315-2	L1594359-23	WO	N	2,3',4,4',5- PENTACHLOROBIPHENYL	0.17	3.4 J	3.4 J		PG/L	K1/B1/S/TR
BA8C-WO58-0315-2	L1594359-23	WO	N	2,3',4,4'- TETRACHLOROBIPHENYL	0.34	1.4 J,M	1.4 J		PG/L	S/K1/TR/G4
BA8C-WO58-0315-2	L1594359-23	WO	N	2,4,4'-TRICHLOROBIPHENYL	0.15	3.0 J,M	3.0 J		PG/L	K1/TR/D5/S/G
BA8C-WO58-0315-2	L1594359-23	WO	N	2,4',5-TRICHLOROBIPHENYL	1.3	3.5 J,M	3.5 J		PG/L	S/K1/TR/G4

Automated Data Review Detail Report for L1594359

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1668C		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
BA8C-WO58-0315-2	L1594359-23	WO	N	2,4'-DICHLOROBIPHENYL	4.1	3.6 J	4.1 U		PG/L	B1/S
BA8C-WO58-0315-2	L1594359-23	WO	N	3,3',4,4',5,5'- HEXACHLOROBIPHENYL	0.13	0.13 U	0.13 UJ		PG/L	S
BA8C-WO58-0315-2	L1594359-23	WO	N	3,3',4,4',5- PENTACHLOROBIPHENYL	0.16	0.16 U	0.16 UJ		PG/L	S
BA8C-WO58-0315-2	L1594359-23	WO	N	3,3',4,4'- TETRACHLOROBIPHENYL	0.47	0.47 U	0.47 UJ		PG/L	S
BA8C-WO58-0315-2	L1594359-23	WO	N	3,4,4',5- TETRACHLOROBIPHENYL	0.45	0.45 U	0.45 UJ		PG/L	S
BA8C-WO58-0315-2	L1594359-23	WO	N	3,4,4'-TRICHLOROBIPHENYL	0.21	1.3 J,B	1.3 J		PG/L	B1/D5/S
BA8C-WO58-0315-2	L1594359-23	WO	N	PCB061/070/074/076	0.37	3.3 J,B	3.3 J		PG/L	TR/S/B1/D5
BA8C-WO58-0315-3	L1594359-25	WO	FD	2,2',3,3',4,4',5,5',6,6'- Decachlorobiphenyl	3.1	3.1 U	3.1 UJ		PG/L	S
BA8C-WO58-0315-3	L1594359-25	WO	FD	2,2',3,3',4,4',5,5',6- NONACHLOROBIPHENYL	13.0	13.0 U	13.0 UJ		PG/L	S
BA8C-WO58-0315-3	L1594359-25	WO	FD	2,2',3,3',4,4',5,5'- OCTACHLOROBIPHENYL	0.93	0.93 U	0.93 UJ		PG/L	S
BA8C-WO58-0315-3	L1594359-25	WO	FD	2,2',3,3',4,4',5,6- OCTACHLOROBIPHENYL	0.97	0.97 U	0.97 UJ		PG/L	S
BA8C-WO58-0315-3	L1594359-25	WO	FD	2,2',3,3',4,4',5- HEPTACHLOROBIPHENYL	1.7	1.7 U	1.7 UJ		PG/L	D5/S
BA8C-WO58-0315-3	L1594359-25	WO	FD	2,2',3,3',4,4'- HEXACHLOROBIPHENYL	0.56	0.56 U	0.56 UJ		PG/L	S
BA8C-WO58-0315-3	L1594359-25	WO	FD	2,2',3,3',4,5',6,6'- OctaChloroBiphenyl	1.9	1.9 U	1.9 UJ		PG/L	S
BA8C-WO58-0315-3	L1594359-25	WO	FD	2,2',3,3',4,5',6'- HEPTACHLOROBIPHENYL	1.7	1.7 U	1.7 UJ		PG/L	S/K1
BA8C-WO58-0315-3	L1594359-25	WO	FD	2,2',3,4,4',5,5',6- OCTACHLOROBIPHENYL	2.5	2.5 U	2.5 UJ		PG/L	S/D5
BA8C-WO58-0315-3	L1594359-25	WO	FD	2,2',3,4,4',5,5'- HEPTACHLOROBIPHENYL	3.3	3.3 J,M	3.3 U		PG/L	K1/B1/G4/S
BA8C-WO58-0315-3	L1594359-25	WO	FD	2,2',3,4,4',5,6- HEPTACHLOROBIPHENYL	1.5	1.5 U	1.5 UJ		PG/L	S
BA8C-WO58-0315-3	L1594359-25	WO	FD	2,2',3,4,4',5'- HEXACHLOROBIPHENYL	0.64	5.1 J	5.1 J		PG/L	K1/B1/S

Automated Data Review Detail Report for L1594359

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1668C		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
BA8C-WO58-0315-3	L1594359-25	WO	FD	2,2',3,4',5,5',6-HEPTACHLOROBIPHENYL	2.2	2.2 J,M	2.2 U		PG/L	K1/B1/G4/S
BA8C-WO58-0315-3	L1594359-25	WO	FD	2,2',3,4',5',6-HEXACHLOROBIPHENYL	4.8	4.8 U	4.8 UJ		PG/L	S
BA8C-WO58-0315-3	L1594359-25	WO	FD	2,2',3,4,5'-PENTACHLOROBIPHENYL/2,3',4,4',6-Pentachlorobiphenyl	0.31	1.9 J,M	1.9 J		PG/L	S/TR/G4/K1
BA8C-WO58-0315-3	L1594359-25	WO	FD	2,2',3,5,5',6-HEXACHLOROBIPHENYL	0.60	0.96 J,M	0.96 J		PG/L	S/TR/G4/K1
BA8C-WO58-0315-3	L1594359-25	WO	FD	2,2',3,5'-TETRACHLOROBIPHENYL	0.53	2.9 J	2.9 J		PG/L	B1/S
BA8C-WO58-0315-3	L1594359-25	WO	FD	2,2',4,4',5,5'-HEXACHLOROBIPHENYL/2,3',4,4',5,6'-HEXACHLOROBIPHENYL	5.6	4.9 J	5.6 U		PG/L	S/K1/B1
BA8C-WO58-0315-3	L1594359-25	WO	FD	2,2',4,4',5-PENTACHLOROBIPHENYL	7.3	7.3 U	7.3 UJ		PG/L	S
BA8C-WO58-0315-3	L1594359-25	WO	FD	2,2',4,5,5'-PENTACHLOROBIPHENYL	0.31	2.0 J,M	2.0 J		PG/L	TR/B1/K1/G4/
BA8C-WO58-0315-3	L1594359-25	WO	FD	2,2',4,5'-TETRACHLOROBIPHENYL	4.9	4.9 U	1.2 J		PG/L	S
BA8C-WO58-0315-3	L1594359-25	WO	FD	2,2',5,5'-TETRACHLOROBIPHENYL	0.53	2.2 J	2.2 J		PG/L	K1/S
BA8C-WO58-0315-3	L1594359-25	WO	FD	2,2',5-TRICHLOROBIPHENYL	2.6	2.6 J,M	2.6 U		PG/L	K1/G4/S
BA8C-WO58-0315-3	L1594359-25	WO	FD	2,3,3',4,4',5,5'-HEPTACHLOROBIPHENYL	0.80	0.80 U	0.80 UJ		PG/L	S
BA8C-WO58-0315-3	L1594359-25	WO	FD	2,3,3',4,4',5-Hexachlorobiphenyl/2,3,3',4,4',5'-Hexachlorobiphenyl	0.53	0.76 J	0.76 J		PG/L	K1/B1/D5/S
BA8C-WO58-0315-3	L1594359-25	WO	FD	2,3,3',4,4',6-HEXACHLOROBIPHENYL	0.45	0.45 U	0.45 UJ		PG/L	S
BA8C-WO58-0315-3	L1594359-25	WO	FD	2,3,3',4,4'-PENTACHLOROBIPHENYL	0.46	0.46 J,M	0.46 U		PG/L	K1/G4/S
BA8C-WO58-0315-3	L1594359-25	WO	FD	2,3,3',4',6-PENTACHLOROBIPHENYL	0.29	3.4 J	3.4 J		PG/L	K1/TR/S
BA8C-WO58-0315-3	L1594359-25	WO	FD	2,3',4,4',5,5'-HEXACHLOROBIPHENYL	0.69	0.69 U	0.69 UJ		PG/L	S

Automated Data Review Detail Report for L1594359

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1668C		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
BA8C-WO58-0315-3	L1594359-25	WO	FD	2,3,4,4',5-PENTACHLOROBIPHENYL	0.54	0.54 U	0.54 UJ		PG/L	S
BA8C-WO58-0315-3	L1594359-25	WO	FD	2',3,4,4',5-PENTACHLOROBIPHENYL	0.61	0.61 U	0.61 UJ		PG/L	S
BA8C-WO58-0315-3	L1594359-25	WO	FD	2,3',4,4',5-PENTACHLOROBIPHENYL	0.49	3.5 J	3.5 J		PG/L	K1/B1/S
BA8C-WO58-0315-3	L1594359-25	WO	FD	2,3',4,4'-TETRACHLOROBIPHENYL	0.75	0.75 U	0.75 UJ		PG/L	S
BA8C-WO58-0315-3	L1594359-25	WO	FD	2,4,4'-TRICHLOROBIPHENYL	2.8	2.4 J,B	2.8 U		PG/L	K1/D5/S
BA8C-WO58-0315-3	L1594359-25	WO	FD	2,4',5-TRICHLOROBIPHENYL	0.35	2.3 J	2.3 J		PG/L	K1/S
BA8C-WO58-0315-3	L1594359-25	WO	FD	2,4'-DICHLOROBIPHENYL	3.8	3.8 J,M	3.8 U		PG/L	B1/G4/S
BA8C-WO58-0315-3	L1594359-25	WO	FD	3,3',4,4',5,5'-HEXACHLOROBIPHENYL	0.38	0.38 U	0.38 UJ		PG/L	S
BA8C-WO58-0315-3	L1594359-25	WO	FD	3,3',4,4',5-PENTACHLOROBIPHENYL	0.35	0.35 U	0.35 UJ		PG/L	S
BA8C-WO58-0315-3	L1594359-25	WO	FD	3,3',4,4'-TETRACHLOROBIPHENYL	0.98	0.98 U	0.98 UJ		PG/L	S
BA8C-WO58-0315-3	L1594359-25	WO	FD	3,4,4',5-TETRACHLOROBIPHENYL	1.3	1.3 U	1.3 UJ		PG/L	S
BA8C-WO58-0315-3	L1594359-25	WO	FD	3,4,4'-TRICHLOROBIPHENYL	0.89	0.78 J,B	0.89 U		PG/L	B1/D5/S
BA8C-WO58-0315-3	L1594359-25	WO	FD	PCB061/070/074/076	0.83	0.83 U	0.83 UJ		PG/L	S/D5
BA9DC-WO20-0315-1	L1594359-2	WO	N	2,2',3,4,4',5,5'-HEPTACHLOROBIPHENYL	3.4	2.4 J	3.4 U		PG/L	K1
BA9DC-WO20-0315-1	L1594359-2	WO	N	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	0.38	3.6 J	3.6 J	+	PG/L	K1/TR
BA9DC-WO20-0315-1	L1594359-2	WO	N	2,2',3,4',5,5',6-HEPTACHLOROBIPHENYL	1.7	1.7 J,M	1.7 U		PG/L	K1/G4
BA9DC-WO20-0315-1	L1594359-2	WO	N	2,2',3,4',5',6-HEXACHLOROBIPHENYL	0.39	2.9 J	2.9 J	+	PG/L	B1/K1/TR
BA9DC-WO20-0315-1	L1594359-2	WO	N	2,2',3,4,5'-PENTACHLOROBIPHENYL/2,3',4,4',6-Pentachlorobiphenyl	0.11	2.4 J	2.4 J	+	PG/L	TR/B1
BA9DC-WO20-0315-1	L1594359-2	WO	N	2,2',3,5,5',6-HEXACHLOROBIPHENYL	0.19	1.6 J	1.6 J	+	PG/L	TR/K1
BA9DC-WO20-0315-1	L1594359-2	WO	N	2,2',3,5'-TETRACHLOROBIPHENYL	0.92	5.5 J	5.5 J	+	PG/L	B1/TR

Automated Data Review Detail Report for L1594359

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1668C		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
BA9DC-WO20-0315-1	L1594359-2	WO	N	2,2',4,4',5,5'- HEXACHLOROBIPHENYL/2,3',4 ,4',5',6- HEXACHLOROBIPHENYL	3.7	3.7 J,M	3.7 U		PG/L	B1/K1/G4
BA9DC-WO20-0315-1	L1594359-2	WO	N	2,2',4,4',5- PENTACHLOROBIPHENYL	0.89	1.2 J	1.2 J		PG/L	TR
BA9DC-WO20-0315-1	L1594359-2	WO	N	2,2',4,5,5'- PENTACHLOROBIPHENYL	0.058	3.1 J	2.4 J	+	PG/L	B1/K1/TR
BA9DC-WO20-0315-1	L1594359-2	WO	N	2,2',4,5'- TETRACHLOROBIPHENYL	0.87	2.3 J	2.3 J		PG/L	TR
BA9DC-WO20-0315-1	L1594359-2	WO	N	2,2',5,5'- TETRACHLOROBIPHENYL	0.95	5.1 J	5.1 J	+	PG/L	K1/B1/TR
BA9DC-WO20-0315-1	L1594359-2	WO	N	2,2',5-TRICHLOROBIPHENYL	0.34	7.1 J,B	7.1 J	+	PG/L	K1/B1
BA9DC-WO20-0315-1	L1594359-2	WO	N	2,3,3',4,4'- PENTACHLOROBIPHENYL	1.1	0.98 J,B	1.1 U		PG/L	B1
BA9DC-WO20-0315-1	L1594359-2	WO	N	2,3,3',4',6- PENTACHLOROBIPHENYL	0.097	4.2 J	4.2 J	+	PG/L	B1/TR
BA9DC-WO20-0315-1	L1594359-2	WO	N	2,3',4,4',5- PENTACHLOROBIPHENYL	0.27	2.9 J	2.9 J	+	PG/L	K1/B1/TR
BA9DC-WO20-0315-1	L1594359-2	WO	N	2,3',4,4'- TETRACHLOROBIPHENYL	1.1	2.3 J,B	2.3 J	+	PG/L	K1/TR
BA9DC-WO20-0315-1	L1594359-2	WO	N	2,4,4'-TRICHLOROBIPHENYL	0.31	7.0 J	7.0 J	+	PG/L	B1/TR
BA9DC-WO20-0315-1	L1594359-2	WO	N	2,4',5-TRICHLOROBIPHENYL	1.4	5.3 J	5.3 J	+	PG/L	B1/TR
BA9DC-WO20-0315-1	L1594359-2	WO	N	2,4'-DICHLOROBIPHENYL	3.9	10.6 J	10.6 J	+	PG/L	B1/TR
BA9DC-WO20-0315-1	L1594359-2	WO	N	3,4,4'-TRICHLOROBIPHENYL	1.3	1.3 J,M	1.3 U		PG/L	B1/G4
BA9DC-WO20-0315-1	L1594359-2	WO	N	PCB061/070/074/076	1.2	4.1 J,B	4.1 J	+	PG/L	TR/B1
BA9DC-WO35-0315-1	L1594359-3	WO	N	2,2',3,3',4,4',5- HEPTACHLOROBIPHENYL	1.1	1.5 J	1.5 J		PG/L	TR
BA9DC-WO35-0315-1	L1594359-3	WO	N	2,2',3,3',4,4'- HEXACHLOROBIPHENYL	0.53	0.86 J	0.86 J		PG/L	TR
BA9DC-WO35-0315-1	L1594359-3	WO	N	2,2',3,4,4',5,5',6- OCTACHLOROBIPHENYL	0.85	1.1 J,M	1.1 J		PG/L	TR/G4
BA9DC-WO35-0315-1	L1594359-3	WO	N	2,2',3,4,4',5,5'- HEPTACHLOROBIPHENYL	1.3	1.3 J,M	1.3 U		PG/L	B1/G4
BA9DC-WO35-0315-1	L1594359-3	WO	N	2,2',3,4,4',5'- HEXACHLOROBIPHENYL	0.57	4.1 J	4.1 J	+	PG/L	K1/TR

Automated Data Review Detail Report for L1594359

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1668C		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
BA9DC-WO35-0315-1	L1594359-3	WO	N	2,2',3,4',5,5',6-HEPTACHLOROBIPHENYL	1.3	1.3 J,M	1.3 U		PG/L	K1/G4
BA9DC-WO35-0315-1	L1594359-3	WO	N	2,2',3,4',5',6-HEXACHLOROBIPHENYL	0.96	3.0 J	3.0 J	+	PG/L	B1/K1/TR
BA9DC-WO35-0315-1	L1594359-3	WO	N	2,2',3,4,5'-PENTACHLOROBIPHENYL/2,3',4,4',6-Pentachlorobiphenyl	0.18	3.0 J,M	3.0 J	+	PG/L	TR/G4/B1
BA9DC-WO35-0315-1	L1594359-3	WO	N	2,2',3,5',6-HEXACHLOROBIPHENYL	0.35	1.4 J	1.4 J	+	PG/L	TR/K1
BA9DC-WO35-0315-1	L1594359-3	WO	N	2,2',3,5'-TETRACHLOROBIPHENYL	1.3	5.4 J	5.4 J	+	PG/L	B1/TR
BA9DC-WO35-0315-1	L1594359-3	WO	N	2,2',4,4',5,5'-HEXACHLOROBIPHENYL/2,3',4,4',5,6-HEXACHLOROBIPHENYL	5.6	3.7 J	5.6 U		PG/L	B1/K1
BA9DC-WO35-0315-1	L1594359-3	WO	N	2,2',4,4',5-PENTACHLOROBIPHENYL	0.39	0.75 J,M	0.75 J		PG/L	TR/G4
BA9DC-WO35-0315-1	L1594359-3	WO	N	2,2',4,5,5'-PENTACHLOROBIPHENYL	0.16	4.1 J	3.5 J	+	PG/L	B1/K1/TR/S
BA9DC-WO35-0315-1	L1594359-3	WO	N	2,2',4,5'-TETRACHLOROBIPHENYL	1.2	2.1 J	2.1 J		PG/L	TR
BA9DC-WO35-0315-1	L1594359-3	WO	N	2,2',5,5'-TETRACHLOROBIPHENYL	1.3	4.0 J	4.0 J	+	PG/L	K1/B1/TR
BA9DC-WO35-0315-1	L1594359-3	WO	N	2,2',5-TRICHLOROBIPHENYL	5.1	3.3 J,B	5.1 U		PG/L	K1/B1
BA9DC-WO35-0315-1	L1594359-3	WO	N	2,3,3',4,4'-PENTACHLOROBIPHENYL	0.38	1.5 J,B	1.5 J	+	PG/L	B1/TR
BA9DC-WO35-0315-1	L1594359-3	WO	N	2,3,3',4',6-PENTACHLOROBIPHENYL	0.17	6.1 J	6.1 J	+	PG/L	B1/TR
BA9DC-WO35-0315-1	L1594359-3	WO	N	2,3',4,4',5-PENTACHLOROBIPHENYL	0.47	3.0 J,M	3.0 J	+	PG/L	K1/B1/TR/G4
BA9DC-WO35-0315-1	L1594359-3	WO	N	2,3',4,4'-TETRACHLOROBIPHENYL	1.2	2.8 J,M	2.8 J	+	PG/L	K1/TR/G4
BA9DC-WO35-0315-1	L1594359-3	WO	N	2,4,4'-TRICHLOROBIPHENYL	3.3	3.3 J,M	3.3 U		PG/L	B1/G4
BA9DC-WO35-0315-1	L1594359-3	WO	N	2,4',5-TRICHLOROBIPHENYL	3.7	3.3 J	3.7 U		PG/L	B1
BA9DC-WO35-0315-1	L1594359-3	WO	N	PCB061/070/074/076	1.3	5.0 J,B	5.0 J	+	PG/L	TR/B1

Automated Data Review Detail Report for L1594359

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1668C		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
BA9DC-WO38-0315-2	L1594359-6	WO	N	2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	0.57	0.69 J	0.69 J		PG/L	TR/D5
BA9DC-WO38-0315-2	L1594359-6	WO	N	2,2',3,3',4,4',5-HEPTACHLOROBIPHENYL	0.32	0.32 U	0.73 J		PG/L	D5/TR
BA9DC-WO38-0315-2	L1594359-6	WO	N	2,2',3,3',4,4'-HEXACHLOROBIPHENYL	0.24	0.24 U	0.24 UJ		PG/L	D5
BA9DC-WO38-0315-2	L1594359-6	WO	N	2,2',3,4,4',5,5',6-OCTACHLOROBIPHENYL	0.18	0.18 U	0.18 UJ		PG/L	D5
BA9DC-WO38-0315-2	L1594359-6	WO	N	2,2',3,4,4',5,5'-HEPTACHLOROBIPHENYL	0.41	0.41 J,M	0.41 U		PG/L	K1/G4
BA9DC-WO38-0315-2	L1594359-6	WO	N	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	1.1	1.1 J,M	1.1 U		PG/L	K1/G4
BA9DC-WO38-0315-2	L1594359-6	WO	N	2,2',3,4',5,5',6-HEPTACHLOROBIPHENYL	0.31	0.31 J,M	0.31 U		PG/L	K1/G4
BA9DC-WO38-0315-2	L1594359-6	WO	N	2,2',3,4,5'-PENTACHLOROBIPHENYL/2,3',4,4',6-Pentachlorobiphenyl	0.54	0.54 J,M	0.54 U		PG/L	B1/G4
BA9DC-WO38-0315-2	L1594359-6	WO	N	2,2',3,5'-TETRACHLOROBIPHENYL	4.0	1.9 J	4.0 U		PG/L	B1
BA9DC-WO38-0315-2	L1594359-6	WO	N	2,2',4,4',5,5'-HEXACHLOROBIPHENYL/2,3',4,4',5,6-HEXACHLOROBIPHENYL	1.2	1.2 J,M	1.2 U		PG/L	B1/K1/G4
BA9DC-WO38-0315-2	L1594359-6	WO	N	2,2',4,5,5'-PENTACHLOROBIPHENYL	0.15	1.1 J	6.0 J	+	PG/L	B1/K1/TR
BA9DC-WO38-0315-2	L1594359-6	WO	N	2,2',4,5'-TETRACHLOROBIPHENYL	0.62	0.62 M,U	0.62 UJ		PG/L	D5
BA9DC-WO38-0315-2	L1594359-6	WO	N	2,2',5,5'-TETRACHLOROBIPHENYL	3.6	1.2 J	3.6 U		PG/L	K1/B1
BA9DC-WO38-0315-2	L1594359-6	WO	N	2,2',5-TRICHLOROBIPHENYL	1.4	1.4 J,M	1.4 U		PG/L	K1/B1/G4
BA9DC-WO38-0315-2	L1594359-6	WO	N	2,3,3',4,4',5'-Hexachlorobiphenyl/2,3,3',4,4',5'-Hexachlorobiphenyl	0.24	0.24 U	0.24 UJ		PG/L	D5
BA9DC-WO38-0315-2	L1594359-6	WO	N	2,3,3',4,4'-PENTACHLOROBIPHENYL	1.1	0.32 J,B	1.1 U		PG/L	B1
BA9DC-WO38-0315-2	L1594359-6	WO	N	2,3,3',4',6-PENTACHLOROBIPHENYL	2.0	1.4 J	2.0 U		PG/L	B1/D5

Automated Data Review Detail Report for L1594359

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1668C		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
BA9DC-WO38-0315-2	L1594359-6	WO	N	2,3',4,4',5-PENTACHLOROBIPHENYL	2.7	0.98 J	2.7 U		PG/L	K1/B1
BA9DC-WO38-0315-2	L1594359-6	WO	N	2,3',4,4'-TETRACHLOROBIPHENYL	0.78	0.78 U	0.78 UJ		PG/L	D5
BA9DC-WO38-0315-2	L1594359-6	WO	N	2,4,4'-TRICHLOROBIPHENYL	4.5	1.7 J	4.5 U		PG/L	B1
BA9DC-WO38-0315-2	L1594359-6	WO	N	3,4,4'-TRICHLOROBIPHENYL	0.33	0.33 M,U	0.33 UJ		PG/L	D5
BA9DC-WO38-0315-2	L1594359-6	WO	N	PCB061/070/074/076	1.3	1.3 J,M	1.3 U		PG/L	B1/G4/D5
BA9DC-WO38-0315-3	L1594359-8	WO	FD	2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	1.2	1.2 U	1.2 UJ		PG/L	D5
BA9DC-WO38-0315-3	L1594359-8	WO	FD	2,2',3,3',4,4',5-HEPTACHLOROBIPHENYL	0.42	0.42 U	0.42 UJ		PG/L	D5
BA9DC-WO38-0315-3	L1594359-8	WO	FD	2,2',3,3',4,4'-HEXACHLOROBIPHENYL	0.29	0.42 J,M	0.42 J		PG/L	D5/TR/G4
BA9DC-WO38-0315-3	L1594359-8	WO	FD	2,2',3,4,4',5,5',6-OCTACHLOROBIPHENYL	0.26	0.26 U	0.26 UJ		PG/L	D5
BA9DC-WO38-0315-3	L1594359-8	WO	FD	2,2',3,4,4',5,5'-HEPTACHLOROBIPHENYL	3.4	3.4 U	3.4 UJ		PG/L	D5
BA9DC-WO38-0315-3	L1594359-8	WO	FD	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	3.5	1.7 J	3.5 U		PG/L	K1
BA9DC-WO38-0315-3	L1594359-8	WO	FD	2,2',3,4',5,5',6-HEPTACHLOROBIPHENYL	0.37	0.37 U	0.37 UJ		PG/L	D5
BA9DC-WO38-0315-3	L1594359-8	WO	FD	2,2',3,5,5',6-HEXACHLOROBIPHENYL	0.51	0.51 J,M	0.51 U		PG/L	G4/K1
BA9DC-WO38-0315-3	L1594359-8	WO	FD	2,2',3,5'-TETRACHLOROBIPHENYL	4.0	2.9 J	4.0 U		PG/L	B1
BA9DC-WO38-0315-3	L1594359-8	WO	FD	2,2',4,4',5,5'-HEXACHLOROBIPHENYL/2,3',4,4',5,5',6-HEXACHLOROBIPHENYL	1.5	1.5 J,M	1.5 U		PG/L	B1/K1/G4
BA9DC-WO38-0315-3	L1594359-8	WO	FD	2,2',4,5,5'-PENTACHLOROBIPHENYL	2.0	1.8 J,M	2.0 U		PG/L	B1/K1
BA9DC-WO38-0315-3	L1594359-8	WO	FD	2,2',4,5'-TETRACHLOROBIPHENYL	0.80	1.2 J	1.2 J		PG/L	TR/D5
BA9DC-WO38-0315-3	L1594359-8	WO	FD	2,2',5,5'-TETRACHLOROBIPHENYL	3.6	2.1 J	3.6 U		PG/L	K1/B1
BA9DC-WO38-0315-3	L1594359-8	WO	FD	2,2',5-TRICHLOROBIPHENYL	1.3	1.3 J,M	1.3 U		PG/L	K1/B1/G4

Automated Data Review Detail Report for L1594359

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1668C		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
BA9DC-WO38-0315-3	L1594359-8	WO	FD	2,3,3',4,4',5'-Hexachlorobiphenyl/2,3,3',4,4',5'-Hexachlorobiphenyl	0.29	0.29 U	0.76 J		PG/L	D5
BA9DC-WO38-0315-3	L1594359-8	WO	FD	2,3,3',4,4',6-PENTACHLOROBIPHENYL	0.63	0.63 J,M	0.63 U		PG/L	B1/G4
BA9DC-WO38-0315-3	L1594359-8	WO	FD	2,3,3',4',6-PENTACHLOROBIPHENYL	0.059	2.8 J,M	2.8 J	+	PG/L	B1/D5/TR/G4
BA9DC-WO38-0315-3	L1594359-8	WO	FD	2,3',4,4',5-PENTACHLOROBIPHENYL	2.7	1.8 J	2.7 U		PG/L	K1/B1
BA9DC-WO38-0315-3	L1594359-8	WO	FD	2,3',4,4'-TETRACHLOROBIPHENYL	0.88	1.1 J,M	1.1 J	+	PG/L	K1/TR/G4/D5
BA9DC-WO38-0315-3	L1594359-8	WO	FD	2,4,4'-TRICHLOROBIPHENYL	4.5	2.2 J	4.5 U		PG/L	B1
BA9DC-WO38-0315-3	L1594359-8	WO	FD	3,4,4'-TRICHLOROBIPHENYL	0.60	0.60 U	0.60 UJ		PG/L	D5
BA9DC-WO38-0315-3	L1594359-8	WO	FD	PCB061/070/074/076	0.96	2.4 J,B	2.4 J	+	PG/L	TR/B1/D5
BA9DC-WO5-0315-1	L1594359-1	WO	N	2,2',3,4,4',5,5'-HEPTACHLOROBIPHENYL	3.4	1.1 J	3.4 U		PG/L	K1
BA9DC-WO5-0315-1	L1594359-1	WO	N	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	3.5	1.6 J	3.5 U		PG/L	K1
BA9DC-WO5-0315-1	L1594359-1	WO	N	2,2',3,4',5,6-HEXACHLOROBIPHENYL	2.2	1.2 J	2.2 U		PG/L	B1/K1
BA9DC-WO5-0315-1	L1594359-1	WO	N	2,2',3,4,5'-PENTACHLOROBIPHENYL/2,3',4,4',6-Pentachlorobiphenyl	1.4	1.6 J,M	1.6 J	+	PG/L	TR/B1/G4
BA9DC-WO5-0315-1	L1594359-1	WO	N	2,2',3,5,5',6-HEXACHLOROBIPHENYL	0.83	0.53 J	0.83 U		PG/L	G4/K1
BA9DC-WO5-0315-1	L1594359-1	WO	N	2,2',3,5'-TETRACHLOROBIPHENYL	1.1	4.1 J	4.1 J	+	PG/L	B1/TR
BA9DC-WO5-0315-1	L1594359-1	WO	N	2,2',4,4',5,5'-HEXACHLOROBIPHENYL/2,3',4,4',5,6-HEXACHLOROBIPHENYL	5.6	1.6 J	5.6 U		PG/L	B1/K1
BA9DC-WO5-0315-1	L1594359-1	WO	N	2,2',4,4',5-PENTACHLOROBIPHENYL	0.35	1.1 J	1.1 J		PG/L	TR
BA9DC-WO5-0315-1	L1594359-1	WO	N	2,2',4,5,5'-PENTACHLOROBIPHENYL	0.11	2.4 J	3.1 J	+	PG/L	B1/K1/TR
BA9DC-WO5-0315-1	L1594359-1	WO	N	2,2',4,5'-TETRACHLOROBIPHENYL	1.0	1.5 J,M	1.5 J		PG/L	TR/G4

Automated Data Review Detail Report for L1594359

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1668C		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
BA9DC-WO5-0315-1	L1594359-1	WO	N	2,2',5,5'-TETRACHLOROBIPHENYL	1.1	4.3 J	4.3 J	+	PG/L	K1/B1/TR
BA9DC-WO5-0315-1	L1594359-1	WO	N	2,2',5-TRICHLOROBIPHENYL	0.36	5.2 J,B	5.2 J	+	PG/L	K1/B1
BA9DC-WO5-0315-1	L1594359-1	WO	N	2,3,3',4,4'-PENTACHLOROBIPHENYL	0.57	0.57 J,M	0.57 U		PG/L	B1/G4
BA9DC-WO5-0315-1	L1594359-1	WO	N	2,3,3',4',6-PENTACHLOROBIPHENYL	0.052	2.6 J	2.6 J	+	PG/L	B1/TR
BA9DC-WO5-0315-1	L1594359-1	WO	N	2',3,4,4',5-PENTACHLOROBIPHENYL	0.12	0.18 J,M	0.18 J		PG/L	TR/G4
BA9DC-WO5-0315-1	L1594359-1	WO	N	2,3',4,4',5-PENTACHLOROBIPHENYL	1.5	1.5 J,M	1.5 U		PG/L	K1/B1/G4
BA9DC-WO5-0315-1	L1594359-1	WO	N	2,3',4,4'-TETRACHLOROBIPHENYL	1.3	1.3 J,M	1.3 J	+	PG/L	TR/G4
BA9DC-WO5-0315-1	L1594359-1	WO	N	2,4,4'-TRICHLOROBIPHENYL	0.37	5.4 J	5.4 J	+	PG/L	B1/TR
BA9DC-WO5-0315-1	L1594359-1	WO	N	2,4',5-TRICHLOROBIPHENYL	3.4	3.4 J,M	3.4 U		PG/L	B1/G4
BA9DC-WO5-0315-1	L1594359-1	WO	N	2,4'-DICHLOROBIPHENYL	4.4	8.6 J	8.6 J	+	PG/L	B1/TR
BA9DC-WO5-0315-1	L1594359-1	WO	N	3,4,4'-TRICHLOROBIPHENYL	0.84	0.84 J,M	0.84 U		PG/L	B1/G4
BA9DC-WO5-0315-1	L1594359-1	WO	N	PCB061/070/074/076	1.4	3.1 J,B	3.1 J	+	PG/L	TR/B1
W4-WO100-0315-1	L1594359-10	WO	N	2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	4.3	4.3 U	4.3 UJ		PG/L	S
W4-WO100-0315-1	L1594359-10	WO	N	2,2',3,3',4,4',5,5',6-NONACHLOROBIPHENYL	7.3	7.3 U	7.3 UJ		PG/L	S
W4-WO100-0315-1	L1594359-10	WO	N	2,2',3,3',4,4',5,5'-OCTACHLOROBIPHENYL	0.56	0.56 U	0.56 UJ		PG/L	S
W4-WO100-0315-1	L1594359-10	WO	N	2,2',3,3',4,4',5,6-OCTACHLOROBIPHENYL	0.59	0.59 U	0.59 UJ		PG/L	S
W4-WO100-0315-1	L1594359-10	WO	N	2,2',3,3',4,4',5-HEPTACHLOROBIPHENYL	0.94	0.94 U	0.94 UJ		PG/L	S
W4-WO100-0315-1	L1594359-10	WO	N	2,2',3,3',4,4'-HEXACHLOROBIPHENYL	0.33	0.78 J,M	0.78 J	-	PG/L	TR/G4/S
W4-WO100-0315-1	L1594359-10	WO	N	2,2',3,3',4,5',6,6'-OctaChloroBiphenyl	0.36	0.36 U	0.36 UJ		PG/L	S
W4-WO100-0315-1	L1594359-10	WO	N	2,2',3,3',4,5',6'-HEPTACHLOROBIPHENYL	0.89	0.89 U	0.89 UJ		PG/L	S

Automated Data Review Detail Report for L1594359

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1668C		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
W4-WO100-0315-1	L1594359-10	WO	N	2,2',3,4,4',5,5',6-OCTACHLOROBIPHENYL	0.50	0.50 U	0.50 UJ		PG/L	S
W4-WO100-0315-1	L1594359-10	WO	N	2,2',3,4,4',5,5'-HEPTACHLOROBIPHENYL	3.4	1.7 J	3.4 U		PG/L	K1/S
W4-WO100-0315-1	L1594359-10	WO	N	2,2',3,4,4',5',6-HEPTACHLOROBIPHENYL	0.76	0.76 U	0.76 UJ		PG/L	S
W4-WO100-0315-1	L1594359-10	WO	N	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	3.5	3.9 J	3.5 U		PG/L	K1/TR/S
W4-WO100-0315-1	L1594359-10	WO	N	2,2',3,4',5,5',6-HEPTACHLOROBIPHENYL	2.3	2.3 J,M	2.3 U		PG/L	K1/G4/S
W4-WO100-0315-1	L1594359-10	WO	N	2,2',3,4',5',6-HEXACHLOROBIPHENYL	1.6	4.3 J,M	4.3 J		PG/L	B1/TR/K1/G4/
W4-WO100-0315-1	L1594359-10	WO	N	2,2',3,4,5'-PENTACHLOROBIPHENYL/2,3',4,4',6-Pentachlorobiphenyl	0.16	3.1 J	3.1 J		PG/L	TR/B1/S
W4-WO100-0315-1	L1594359-10	WO	N	2,2',3,5,5',6-HEXACHLOROBIPHENYL	0.13	1.4 J,M	1.4 J		PG/L	TR/G4/K1
W4-WO100-0315-1	L1594359-10	WO	N	2,2',3,5'-TETRACHLOROBIPHENYL	4.0	3.9 J	4.0 U		PG/L	B1/S
W4-WO100-0315-1	L1594359-10	WO	N	2,2',4,4',5,5'-HEXACHLOROBIPHENYL/2,3',4,4',5',6-HEXACHLOROBIPHENYL	5.6	3.9 J	5.6 U		PG/L	B1/K1/S
W4-WO100-0315-1	L1594359-10	WO	N	2,2',4,4',5-PENTACHLOROBIPHENYL	2.9	2.9 U	2.9 UJ		PG/L	S
W4-WO100-0315-1	L1594359-10	WO	N	2,2',4,5,5'-PENTACHLOROBIPHENYL	0.19	3.5 J	4.1 J		PG/L	B1/K1/TR/S
W4-WO100-0315-1	L1594359-10	WO	N	2,2',4,5'-TETRACHLOROBIPHENYL	0.52	1.2 J,M	1.2 J		PG/L	TR/G4/S
W4-WO100-0315-1	L1594359-10	WO	N	2,2',5,5'-TETRACHLOROBIPHENYL	3.6	2.6 J	3.6 U		PG/L	K1/B1/S
W4-WO100-0315-1	L1594359-10	WO	N	2,2',5-TRICHLOROBIPHENYL	5.1	2.2 J,B	5.1 U		PG/L	K1/B1/S
W4-WO100-0315-1	L1594359-10	WO	N	2,3,3',4,4',5,5'-HEPTACHLOROBIPHENYL	0.60	0.60 U	0.60 UJ		PG/L	S
W4-WO100-0315-1	L1594359-10	WO	N	2,3,3',4,4',5-Hexachlorobiphenyl/2,3,3',4,4',5'-Hexachlorobiphenyl	0.34	0.34 J,M	0.34 U		PG/L	B1/G4/S

Automated Data Review Detail Report for L1594359

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1668C		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
W4-WO100-0315-1	L1594359-10	WO	N	2,3,3',4,4',6- HEXACHLOROBIPHENYL	0.35	0.35 J,M	0.35 U		PG/L	K1/G4/S
W4-WO100-0315-1	L1594359-10	WO	N	2,3,3',4,4'- PENTACHLOROBIPHENYL	0.20	1.1 J,M	1.1 J		PG/L	B1/TR/G4/S
W4-WO100-0315-1	L1594359-10	WO	N	2,3,3',4',6- PENTACHLOROBIPHENYL	0.15	5.0 J	5.0 J		PG/L	B1/TR/S
W4-WO100-0315-1	L1594359-10	WO	N	2,3',4,4',5,5'- HEXACHLOROBIPHENYL	0.37	0.37 U	0.37 UJ		PG/L	S
W4-WO100-0315-1	L1594359-10	WO	N	2,3,4,4',5- PENTACHLOROBIPHENYL	0.33	0.33 U	0.33 UJ		PG/L	S
W4-WO100-0315-1	L1594359-10	WO	N	2',3,4,4',5- PENTACHLOROBIPHENYL	0.32	0.32 U	0.32 UJ		PG/L	S
W4-WO100-0315-1	L1594359-10	WO	N	2,3',4,4',5- PENTACHLOROBIPHENYL	0.29	3.6 J	3.6 J		PG/L	K1/B1/TR/S
W4-WO100-0315-1	L1594359-10	WO	N	2,3',4,4'- TETRACHLOROBIPHENYL	0.67	1.5 J,B	1.5 J		PG/L	K1/S/TR
W4-WO100-0315-1	L1594359-10	WO	N	2,4,4'-TRICHLOROBIPHENYL	4.5	2.1 J	4.5 U		PG/L	B1/S
W4-WO100-0315-1	L1594359-10	WO	N	2,4',5-TRICHLOROBIPHENYL	1.9	1.9 U	1.9 UJ		PG/L	S
W4-WO100-0315-1	L1594359-10	WO	N	2,4'-DICHLOROBIPHENYL	2.9	2.9 J,M	2.9 U		PG/L	B1/G4/S
W4-WO100-0315-1	L1594359-10	WO	N	3,3',4,4',5,5'- HEXACHLOROBIPHENYL	0.22	0.22 U	0.22 UJ		PG/L	S
W4-WO100-0315-1	L1594359-10	WO	N	3,3',4,4',5- PENTACHLOROBIPHENYL	0.21	0.21 U	0.21 UJ		PG/L	S
W4-WO100-0315-1	L1594359-10	WO	N	3,3',4,4'- TETRACHLOROBIPHENYL	0.87	0.87 U	0.87 UJ		PG/L	S
W4-WO100-0315-1	L1594359-10	WO	N	3,4,4',5- TETRACHLOROBIPHENYL	1.1	1.1 U	1.1 UJ		PG/L	S
W4-WO100-0315-1	L1594359-10	WO	N	3,4,4'-TRICHLOROBIPHENYL	0.83	0.83 J,M	0.83 U		PG/L	B1/G4/S
W4-WO100-0315-1	L1594359-10	WO	N	PCB061/070/074/076	0.73	2.9 J,B	2.9 J		PG/L	TR/B1/S
W4-WO195-0315-1	L1594359-11	WO	N	2,2',3,3',4,4',5,5',6,6'- Decachlorobiphenyl	0.65	1.7 J,M	1.7 J		PG/L	TR/G4
W4-WO195-0315-1	L1594359-11	WO	N	2,2',3,3',4,4',5- HEPTACHLOROBIPHENYL	0.32	1.0 J	1.0 J		PG/L	TR
W4-WO195-0315-1	L1594359-11	WO	N	2,2',3,3',4,4'- HEXACHLOROBIPHENYL	0.20	0.97 J,M	0.97 J		PG/L	TR/G4

Automated Data Review Detail Report for L1594359

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1668C		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
W4-WO195-0315-1	L1594359-11	WO	N	2,2',3,4,4',5,5'-HEPTACHLOROBIPHENYL	2.0	2.0 J,M	2.0 U		PG/L	K1/G4
W4-WO195-0315-1	L1594359-11	WO	N	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	0.23	5.5 J,M	5.5 J	+	PG/L	K1/TR/G4
W4-WO195-0315-1	L1594359-11	WO	N	2,2',3,4',5,5',6-HEPTACHLOROBIPHENYL	1.7	1.7 J,M	1.7 U		PG/L	K1/G4
W4-WO195-0315-1	L1594359-11	WO	N	2,2',3,4',5',6-HEXACHLOROBIPHENYL	0.24	4.5 J	4.5 J	+	PG/L	B1/TR/K1
W4-WO195-0315-1	L1594359-11	WO	N	2,2',3,4,5'-PENTACHLOROBIPHENYL/2,3',4,4',6-Pentachlorobiphenyl	0.15	5.6 J	5.6 J	+	PG/L	TR/B1
W4-WO195-0315-1	L1594359-11	WO	N	2,2',3,5,5',6-HEXACHLOROBIPHENYL	0.16	1.8 J,M	1.8 J	+	PG/L	TR/G4/K1
W4-WO195-0315-1	L1594359-11	WO	N	2,2',3,5'-TETRACHLOROBIPHENYL	0.20	6.8 J	6.8 J	+	PG/L	B1/TR
W4-WO195-0315-1	L1594359-11	WO	N	2,2',4,4',5,5'-HEXACHLOROBIPHENYL/2,3',4,4',5',6-HEXACHLOROBIPHENYL	5.6	4.2 J	5.6 U		PG/L	B1/K1
W4-WO195-0315-1	L1594359-11	WO	N	2,2',4,5,5'-PENTACHLOROBIPHENYL	2.0	6.0 J	2.0 U		PG/L	B1/K1
W4-WO195-0315-1	L1594359-11	WO	N	2,2',4,5'-TETRACHLOROBIPHENYL	0.18	3.2 J	3.2 J		PG/L	TR
W4-WO195-0315-1	L1594359-11	WO	N	2,2',5,5'-TETRACHLOROBIPHENYL	0.20	5.9 J	5.9 J	+	PG/L	K1/B1/TR
W4-WO195-0315-1	L1594359-11	WO	N	2,2',5-TRICHLOROBIPHENYL	5.1	4.5 J,B	5.1 U		PG/L	K1/B1
W4-WO195-0315-1	L1594359-11	WO	N	2,3,3',4,4',5-Hexachlorobiphenyl/2,3,3',4,4',5'-Hexachlorobiphenyl	0.61	0.61 J,M	0.61 U		PG/L	B1/G4
W4-WO195-0315-1	L1594359-11	WO	N	2,3,3',4,4'-PENTACHLOROBIPHENYL	0.21	2.7 J,B	2.7 J	+	PG/L	B1/TR
W4-WO195-0315-1	L1594359-11	WO	N	2,3,3',4',6-PENTACHLOROBIPHENYL	0.14	9.8 J	9.8 J	+	PG/L	B1/TR
W4-WO195-0315-1	L1594359-11	WO	N	2,3',4,4',5,5'-HEXACHLOROBIPHENYL	0.30	0.30 J,M	0.30 U		PG/L	G4/K1
W4-WO195-0315-1	L1594359-11	WO	N	2,3',4,4',5-PENTACHLOROBIPHENYL	0.27	7.0 J	7.0 J	+	PG/L	K1/B1/TR

Automated Data Review Detail Report for L1594359

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1668C		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
W4-WO195-0315-1	L1594359-11	WO	N	2,3',4,4'-TETRACHLOROBIPHENYL	0.25	4.7 J,B	4.7 J	+	PG/L	K1/TR
W4-WO195-0315-1	L1594359-11	WO	N	2,4,4'-TRICHLOROBIPHENYL	0.25	5.4 J	5.4 J	+	PG/L	B1/TR
W4-WO195-0315-1	L1594359-11	WO	N	2,4',5-TRICHLOROBIPHENYL	0.23	3.8 J	3.8 J	+	PG/L	B1/TR
W4-WO195-0315-1	L1594359-11	WO	N	2,4'-DICHLOROBIPHENYL	7.3	6.4 J	7.3 U		PG/L	B1
W4-WO195-0315-1	L1594359-11	WO	N	3,3',4,4'-TETRACHLOROBIPHENYL	0.30	0.37 J,M	0.37 J		PG/L	TR/G4
W4-WO195-0315-1	L1594359-11	WO	N	3,4,4'-TRICHLOROBIPHENYL	1.1	1.1 J,M	1.1 U		PG/L	B1/G4
W4-WO195-0315-1	L1594359-11	WO	N	PCB061/070/074/076	0.27	7.3 J,B	7.3 J	+	PG/L	TR/B1
W4-WO198-0315-1	L1594359-12	WO	N	2,2',3,3',4,4',5-HEPTACHLOROBIPHENYL	0.24	0.40 J,M	0.40 J		PG/L	TR/G4
W4-WO198-0315-1	L1594359-12	WO	N	2,2',3,3',4,4'-HEXACHLOROBIPHENYL	0.23	0.24 J,M	0.24 J		PG/L	TR/G4
W4-WO198-0315-1	L1594359-12	WO	N	2,2',3,3',4,5',6'-HEPTACHLOROBIPHENYL	0.49	0.49 J,M	0.49 U		PG/L	K1/G4
W4-WO198-0315-1	L1594359-12	WO	N	2,2',3,4,4',5,5'-HEPTACHLOROBIPHENYL	0.73	0.73 J,M	0.73 U		PG/L	K1/G4
W4-WO198-0315-1	L1594359-12	WO	N	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	3.5	2.2 J	3.5 U		PG/L	K1
W4-WO198-0315-1	L1594359-12	WO	N	2,2',3,4',5,5',6-HEPTACHLOROBIPHENYL	2.9	1.2 J	2.9 U		PG/L	K1
W4-WO198-0315-1	L1594359-12	WO	N	2,2',3,4',5',6-HEXACHLOROBIPHENYL	1.2	1.2 J,M	1.2 U		PG/L	B1/K1/G4
W4-WO198-0315-1	L1594359-12	WO	N	2,2',3,4,5'-PENTACHLOROBIPHENYL/2,3',4,4',6-Pentachlorobiphenyl	1.4	1.2 J	1.4 U		PG/L	B1
W4-WO198-0315-1	L1594359-12	WO	N	2,2',3,5,5',6-HEXACHLOROBIPHENYL	0.42	0.42 J,M	0.42 U		PG/L	G4/K1
W4-WO198-0315-1	L1594359-12	WO	N	2,2',3,5'-TETRACHLOROBIPHENYL	4.0	2.8 J	4.0 U		PG/L	B1
W4-WO198-0315-1	L1594359-12	WO	N	2,2',4,4',5,5'-HEXACHLOROBIPHENYL/2,3',4,4',5',6-HEXACHLOROBIPHENYL	5.6	2.0 J	5.6 U		PG/L	B1/K1
W4-WO198-0315-1	L1594359-12	WO	N	2,2',4,5,5'-PENTACHLOROBIPHENYL	1.8	1.4 J	1.8 U		PG/L	B1/K1/G4

Automated Data Review Detail Report for L1594359

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1668C		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
W4-WO198-0315-1	L1594359-12	WO	N	2,2',4,5'-TETRACHLOROBIPHENYL	0.13	1.1 J	1.1 J		PG/L	TR
W4-WO198-0315-1	L1594359-12	WO	N	2,2',5,5'-TETRACHLOROBIPHENYL	3.6	2.0 J	3.6 U		PG/L	K1/B1
W4-WO198-0315-1	L1594359-12	WO	N	2,2',5-TRICHLOROBIPHENYL	5.1	1.8 J,B	5.1 U		PG/L	K1/B1
W4-WO198-0315-1	L1594359-12	WO	N	2,3,3',4,4'-PENTACHLOROBIPHENYL	1.1	0.81 J,B	1.1 U		PG/L	B1
W4-WO198-0315-1	L1594359-12	WO	N	2,3,3',4',6-PENTACHLOROBIPHENYL	0.17	2.0 J,M	2.0 J	+	PG/L	B1/TR/G4
W4-WO198-0315-1	L1594359-12	WO	N	2,3',4,4',5-PENTACHLOROBIPHENYL	2.7	1.5 J	2.7 U		PG/L	K1/B1
W4-WO198-0315-1	L1594359-12	WO	N	2,3',4,4'-TETRACHLOROBIPHENYL	0.25	1.0 J,M	1.0 J	+	PG/L	K1/TR/G4
W4-WO198-0315-1	L1594359-12	WO	N	2,4,4'-TRICHLOROBIPHENYL	4.5	2.4 J	4.5 U		PG/L	B1
W4-WO198-0315-1	L1594359-12	WO	N	2,4',5-TRICHLOROBIPHENYL	3.7	1.8 J	3.7 U		PG/L	B1
W4-WO198-0315-1	L1594359-12	WO	N	2,4'-DICHLOROBIPHENYL	7.3	2.3 J	7.3 U		PG/L	B1
W4-WO198-0315-1	L1594359-12	WO	N	3,3',4,4'-TETRACHLOROBIPHENYL	0.32	0.40 J,B	0.40 J		PG/L	TR
W4-WO198-0315-1	L1594359-12	WO	N	3,4,4'-TRICHLOROBIPHENYL	0.79	0.79 J,M	0.79 U		PG/L	B1/G4
W4-WO198-0315-1	L1594359-12	WO	N	PCB061/070/074/076	2.3	2.1 J,B	2.3 U		PG/L	B1
W4-WO5-0315-1	L1594359-9	WO	N	2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	2.7	2.7 U	2.7 UJ		PG/L	S
W4-WO5-0315-1	L1594359-9	WO	N	2,2',3,3',4,4',5,5',6-NONACHLOROBIPHENYL	3.8	3.8 U	3.8 UJ		PG/L	S
W4-WO5-0315-1	L1594359-9	WO	N	2,2',3,3',4,4',5,5'-OCTACHLOROBIPHENYL	0.62	0.62 U	0.62 UJ		PG/L	S
W4-WO5-0315-1	L1594359-9	WO	N	2,2',3,3',4,4',5,6-OCTACHLOROBIPHENYL	0.65	0.65 U	0.65 UJ		PG/L	S
W4-WO5-0315-1	L1594359-9	WO	N	2,2',3,3',4,4',5-HEPTACHLOROBIPHENYL	0.38	0.38 U	0.38 UJ		PG/L	S
W4-WO5-0315-1	L1594359-9	WO	N	2,2',3,3',4,4'-HEXACHLOROBIPHENYL	0.24	0.24 U	0.24 UJ		PG/L	S
W4-WO5-0315-1	L1594359-9	WO	N	2,2',3,3',4,5',6,6'-OctaChloroBiphenyl	0.51	0.51 U	0.51 UJ		PG/L	S

Automated Data Review Detail Report for L1594359

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1668C		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
W4-WO5-0315-1	L1594359-9	WO	N	2,2',3,3',4,5',6'-HEPTACHLOROBIPHENYL	0.39	0.39 U	0.39 UJ		PG/L	S
W4-WO5-0315-1	L1594359-9	WO	N	2,2',3,4,4',5,5',6-OCTACHLOROBIPHENYL	0.67	0.67 U	0.67 UJ		PG/L	S
W4-WO5-0315-1	L1594359-9	WO	N	2,2',3,4,4',5,5'-HEPTACHLOROBIPHENYL	3.4	1.4 J	3.4 U		PG/L	K1/S
W4-WO5-0315-1	L1594359-9	WO	N	2,2',3,4,4',5',6-HEPTACHLOROBIPHENYL	0.34	0.34 U	0.34 UJ		PG/L	S
W4-WO5-0315-1	L1594359-9	WO	N	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	3.5	2.2 J	3.5 U		PG/L	K1/S
W4-WO5-0315-1	L1594359-9	WO	N	2,2',3,4',5,5',6-HEPTACHLOROBIPHENYL	2.9	1.4 J	2.9 U		PG/L	K1/S
W4-WO5-0315-1	L1594359-9	WO	N	2,2',3,4',5',6-HEXACHLOROBIPHENYL	0.28	1.5 J,M	1.5 J	+	PG/L	B1/TR/K1/G4/S
W4-WO5-0315-1	L1594359-9	WO	N	2,2',3,4,5'-PENTACHLOROBIPHENYL/2,3',4,4',6-Pentachlorobiphenyl	1.2	1.2 J,M	1.2 U		PG/L	B1/G4/S
W4-WO5-0315-1	L1594359-9	WO	N	2,2',3,5,5',6-HEXACHLOROBIPHENYL	0.83	0.66 J	0.83 U		PG/L	G4/K1/S
W4-WO5-0315-1	L1594359-9	WO	N	2,2',3,5'-TETRACHLOROBIPHENYL	4.0	4.0 J,M	4.0 U		PG/L	B1/G4/S
W4-WO5-0315-1	L1594359-9	WO	N	2,2',4,4',5,5'-HEXACHLOROBIPHENYL/2,3',4,4',5',6-HEXACHLOROBIPHENYL	5.6	2.2 J	5.6 U		PG/L	S/B1/K1
W4-WO5-0315-1	L1594359-9	WO	N	2,2',4,4',5-PENTACHLOROBIPHENYL	3.2	3.2 U	3.2 UJ		PG/L	S
W4-WO5-0315-1	L1594359-9	WO	N	2,2',4,5,5'-PENTACHLOROBIPHENYL	0.16	2.7 J	2.7 J	+	PG/L	B1/K1/TR/S
W4-WO5-0315-1	L1594359-9	WO	N	2,2',4,5'-TETRACHLOROBIPHENYL	0.24	1.8 J,M	1.8 J		PG/L	S/TR/G4
W4-WO5-0315-1	L1594359-9	WO	N	2,2',5,5'-TETRACHLOROBIPHENYL	0.26	4.2 J	4.2 J	+	PG/L	K1/B1/TR/S
W4-WO5-0315-1	L1594359-9	WO	N	2,2',5-TRICHLOROBIPHENYL	0.23	5.2 J,M	5.2 J	+	PG/L	K1/B1/TR/G4/S
W4-WO5-0315-1	L1594359-9	WO	N	2,3,3',4,4',5,5'-HEPTACHLOROBIPHENYL	0.19	0.19 U	0.19 UJ		PG/L	S

Automated Data Review Detail Report for L1594359

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1668C		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
W4-WO5-0315-1	L1594359-9	WO	N	2,3,3',4,4',5'-Hexachlorobiphenyl/2,3,3',4,4',5'-Hexachlorobiphenyl	0.24	0.24 U	0.24 UJ		PG/L	S
W4-WO5-0315-1	L1594359-9	WO	N	2,3,3',4,4',6'-HEXACHLOROBIPHENYL	0.19	0.19 U	0.19 UJ		PG/L	S
W4-WO5-0315-1	L1594359-9	WO	N	2,3,3',4,4'-PENTACHLOROBIPHENYL	0.44	0.44 J,M	0.44 U		PG/L	B1/G4/S
W4-WO5-0315-1	L1594359-9	WO	N	2,3,3',4',6'-PENTACHLOROBIPHENYL	0.15	2.5 J	2.5 J	+	PG/L	B1/TR/S
W4-WO5-0315-1	L1594359-9	WO	N	2,3',4,4',5,5'-HEXACHLOROBIPHENYL	0.27	0.27 U	0.27 UJ		PG/L	S
W4-WO5-0315-1	L1594359-9	WO	N	2,3,4,4',5'-PENTACHLOROBIPHENYL	0.24	0.24 U	0.24 UJ		PG/L	S
W4-WO5-0315-1	L1594359-9	WO	N	2',3,4,4',5'-PENTACHLOROBIPHENYL	0.28	0.28 U	0.28 UJ		PG/L	S
W4-WO5-0315-1	L1594359-9	WO	N	2,3',4,4',5'-PENTACHLOROBIPHENYL	1.4	1.4 J,M	1.4 U		PG/L	K1/B1/G4/S
W4-WO5-0315-1	L1594359-9	WO	N	2,3',4,4'-TETRACHLOROBIPHENYL	0.33	1.5 J,B	1.5 J	+	PG/L	K1/S/TR
W4-WO5-0315-1	L1594359-9	WO	N	2,4,4'-TRICHLOROBIPHENYL	0.21	5.7 J	5.7 J	+	PG/L	B1/TR/S
W4-WO5-0315-1	L1594359-9	WO	N	2,4',5-TRICHLOROBIPHENYL	0.19	4.4 J	4.4 J	+	PG/L	B1/TR/S
W4-WO5-0315-1	L1594359-9	WO	N	2,4'-DICHLOROBIPHENYL	2.5	8.8 J	8.8 J	+	PG/L	B1/TR/S
W4-WO5-0315-1	L1594359-9	WO	N	3,3',4,4',5,5'-HEXACHLOROBIPHENYL	0.16	0.16 U	0.16 UJ		PG/L	S
W4-WO5-0315-1	L1594359-9	WO	N	3,3',4,4',5'-PENTACHLOROBIPHENYL	0.18	0.18 U	0.18 UJ		PG/L	S
W4-WO5-0315-1	L1594359-9	WO	N	3,3',4,4'-TETRACHLOROBIPHENYL	0.42	0.42 U	0.42 UJ		PG/L	S
W4-WO5-0315-1	L1594359-9	WO	N	3,4,4',5'-TETRACHLOROBIPHENYL	0.46	0.46 U	0.46 UJ		PG/L	S
W4-WO5-0315-1	L1594359-9	WO	N	3,4,4'-TRICHLOROBIPHENYL	1.6	1.2 J	1.6 U		PG/L	B1/S
W4-WO5-0315-1	L1594359-9	WO	N	PCB061/070/074/076	0.36	3.0 J,B	3.0 J	+	PG/L	S/TR/B1
WQ-ER1-0315-1	L1594359-17	WQ	EB	2,2',3,3',4,5',6'-HEPTACHLOROBIPHENYL	0.89	1.0 J	1.0 J		PG/L	TR
WQ-ER1-0315-1	L1594359-17	WQ	EB	2,2',3,4,4',5,5'-HEPTACHLOROBIPHENYL	0.77	3.4 J	3.4 J	+	PG/L	B1/TR

Automated Data Review Detail Report for L1594359

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1668C		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
WQ-ER1-0315-1	L1594359-17	WQ	EB	2,2',3,4,4',5',6-HEPTACHLOROBIPHENYL	0.73	0.76 J,M	0.76 J	+	PG/L	TR/G4/B1
WQ-ER1-0315-1	L1594359-17	WQ	EB	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	0.46	3.5 J,M	3.5 J	+	PG/L	B1/TR/G4
WQ-ER1-0315-1	L1594359-17	WQ	EB	2,2',3,4',5,5',6-HEPTACHLOROBIPHENYL	0.80	2.9 J,M	2.9 J	+	PG/L	B1/TR/G4
WQ-ER1-0315-1	L1594359-17	WQ	EB	2,2',3,4',5',6-HEXACHLOROBIPHENYL	1.0	2.2 J,M	2.2 J		PG/L	TR/G4
WQ-ER1-0315-1	L1594359-17	WQ	EB	2,2',3,4,5'-PENTACHLOROBIPHENYL/2,3',4,4',6-Pentachlorobiphenyl	0.076	1.3 J,M	1.3 J		PG/L	TR/G4
WQ-ER1-0315-1	L1594359-17	WQ	EB	2,2',3,5,5',6-HEXACHLOROBIPHENYL	0.20	0.83 J,M	0.83 J		PG/L	TR/G4
WQ-ER1-0315-1	L1594359-17	WQ	EB	2,2',3,5'-TETRACHLOROBIPHENYL	2.8	2.2 J	2.8 U		PG/L	B1/TR
WQ-ER1-0315-1	L1594359-17	WQ	EB	2,2',4,4',5,5'-HEXACHLOROBIPHENYL/2,3',4,4',5',6-HEXACHLOROBIPHENYL	0.37	5.6 J	5.6 J	+	PG/L	TR/B1
WQ-ER1-0315-1	L1594359-17	WQ	EB	2,2',4,5,5'-PENTACHLOROBIPHENYL	0.077	1.6 J,M	1.6 J		PG/L	TR/G4
WQ-ER1-0315-1	L1594359-17	WQ	EB	2,2',5,5'-TETRACHLOROBIPHENYL	0.47	2.1 J	2.1 J		PG/L	TR
WQ-ER1-0315-1	L1594359-17	WQ	EB	2,2',5-TRICHLOROBIPHENYL	0.25	2.7 J	2.7 J		PG/L	TR
WQ-ER1-0315-1	L1594359-17	WQ	EB	2,3,3',4,4',5'-Hexachlorobiphenyl/2,3,3',4,4',5'-Hexachlorobiphenyl	0.36	0.70 J,M	0.70 J	+	PG/L	B1/TR/G4
WQ-ER1-0315-1	L1594359-17	WQ	EB	2,3,3',4,4',6-HEXACHLOROBIPHENYL	0.32	0.39 J,M	0.39 J		PG/L	TR/G4
WQ-ER1-0315-1	L1594359-17	WQ	EB	2,3,3',4,4'-PENTACHLOROBIPHENYL	0.19	0.89 J,M	0.89 J		PG/L	TR/G4
WQ-ER1-0315-1	L1594359-17	WQ	EB	2,3,3',4',6-PENTACHLOROBIPHENYL	0.071	1.8 J,M	1.8 J		PG/L	TR/G4
WQ-ER1-0315-1	L1594359-17	WQ	EB	2,3',4,4',5,5'-HEXACHLOROBIPHENYL	0.38	0.76 J	0.76 J	+	PG/L	B1
WQ-ER1-0315-1	L1594359-17	WQ	EB	2,3',4,4',5-PENTACHLOROBIPHENYL	0.25	2.7 J	2.7 J		PG/L	TR

Automated Data Review Detail Report for L1594359

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1668C		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
WQ-ER1-0315-1	L1594359-17	WQ	EB	2,4,4'-TRICHLOROBIPHENYL	2.8	2.3 J,B	2.8 U		PG/L	B1
WQ-ER1-0315-1	L1594359-17	WQ	EB	2,4',5-TRICHLOROBIPHENYL	1.5	1.9 J,M	1.9 J		PG/L	TR/G4
WQ-ER1-0315-1	L1594359-17	WQ	EB	2,4'-DICHLOROBIPHENYL	4.1	3.7 J	4.1 U		PG/L	B1
WQ-ER1-0315-1	L1594359-17	WQ	EB	3,4,4'-TRICHLOROBIPHENYL	0.89	0.79 J,B	0.89 U		PG/L	B1
WQ-ER1-0315-1	L1594359-17	WQ	EB	PCB061/070/074/076	0.65	0.65 U	0.65 UJ		PG/L	B1

Test Method: E1699		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
BA7C-WO30-0315-1	L1594359-14	WO	N	o,p'-DDE	0.0085	0.20	0.20 J	+	NG/L	C11
BA7C-WO30-0315-1	L1594359-14	WO	N	p,p'-DDE	0.0084	0.67 B	0.67 J	+	NG/L	B1
BA7C-WO5-0315-1	L1594359-13	WO	N	o,p'-DDE	0.013	0.014 J,M	0.014 J	+	NG/L	TR/C11/G4
BA7C-WO5-0315-1	L1594359-13	WO	N	p,p'-DDE	0.21	0.13 B	0.21 U		NG/L	B1
BA7C-WO55-0315-1	L1594359-15	WO	N	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0010	0.0022 J	0.0022 J		NG/L	TR
BA7C-WO55-0315-1	L1594359-15	WO	N	o,p'-DDE	0.0039	0.0074 J	0.0074 J	+	NG/L	TR/C11
BA7C-WO55-0315-1	L1594359-15	WO	N	p,p'-DDE	0.21	0.086 B	0.21 U		NG/L	B1
BA7C-WO58-0315-1	L1594359-16	WO	N	p,p'-DDE	0.21	0.084 B	0.21 U		NG/L	B1
BA8C-WO30-0315-1	L1594359-19	WO	N	o,p'-DDE	0.0037	0.0074 J	0.0074 J	+	NG/L	TR/C11
BA8C-WO30-0315-1	L1594359-19	WO	N	p,p'-DDE	0.21	0.18 B	0.21 U		NG/L	B1
BA8C-WO55-0315-1	L1594359-20	WO	N	o,p'-DDE	0.0025	0.0056 J	0.0056 J	+	NG/L	TR/C11
BA8C-WO55-0315-1	L1594359-20	WO	N	p,p'-DDE	0.0060	0.29 B	0.29 J	+	NG/L	B1
BA8C-WO58-0315-1	L1594359-21	WO	FR	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0005	0.0005 U	0.0005 UJ		NG/L	D5
BA8C-WO58-0315-1	L1594359-21	WO	FR	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.0081	0.0099 J,M	0.0099 J	-	NG/L	D5/TR/C11/G4
BA8C-WO58-0315-1	L1594359-21	WO	FR	o,p'-DDE	0.0064	0.016 J	0.016 J	+	NG/L	D5/TR/C11
BA8C-WO58-0315-1	L1594359-21	WO	FR	p,p'-DDE	0.013	0.37 B	0.37 J	+	NG/L	D5/B1
BA8C-WO58-0315-2	L1594359-23	WO	N	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0007	0.0021 J	0.0021 J		NG/L	D5/TR

Automated Data Review Detail Report for L1594359

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1699		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
BA8C-WO58-0315-2	L1594359-23	WO	N	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.011	0.029 J	0.029 J		NG/L	D5/TR
BA8C-WO58-0315-2	L1594359-23	WO	N	o,p'-DDE	0.0043	0.025	0.025 J	+	NG/L	D5/C11
BA8C-WO58-0315-2	L1594359-23	WO	N	p,p'-DDE	0.0074	0.21 B	0.21 J	+	NG/L	D5/B1
BA8C-WO58-0315-3	L1594359-25	WO	FD	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0013	0.0013 U	0.0013 UJ		NG/L	D5
BA8C-WO58-0315-3	L1594359-25	WO	FD	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.011	0.011 U	0.011 UJ		NG/L	D5
BA8C-WO58-0315-3	L1594359-25	WO	FD	o,p'-DDE	0.014	0.017 J,M	0.017 J	+	NG/L	D5/TR/C11/G4
BA8C-WO58-0315-3	L1594359-25	WO	FD	p,p'-DDE	0.21	0.17 B	0.21 U		NG/L	D5/B1
BA9DC-WO20-0315-1	L1594359-2	WO	N	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0007	0.0025 J	0.0025 J		NG/L	TR
BA9DC-WO20-0315-1	L1594359-2	WO	N	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.013	0.022 J	0.022 J	-	NG/L	TR/C11
BA9DC-WO20-0315-1	L1594359-2	WO	N	o,p'-DDE	0.0029	0.011 J	0.011 J	+	NG/L	L/TR
BA9DC-WO20-0315-1	L1594359-2	WO	N	p,p'-DDE	0.012	0.14 B	0.14 J	+	NG/L	B1
BA9DC-WO35-0315-1	L1594359-3	WO	N	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0006	0.0035 J	0.0035 J	+	NG/L	TR
BA9DC-WO35-0315-1	L1594359-3	WO	N	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.013	0.030 M	0.030 J	-	NG/L	C11
BA9DC-WO35-0315-1	L1594359-3	WO	N	o,p'-DDE	0.0031	0.017 J	0.017 J	+	NG/L	L/TR/C11
BA9DC-WO35-0315-1	L1594359-3	WO	N	p,p'-DDE	0.011	0.15 B	0.15 J	+	NG/L	B1
BA9DC-WO38-0315-1	L1594359-4	WO	FR	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0007	0.0034 J	0.0034 J		NG/L	D5/TR
BA9DC-WO38-0315-1	L1594359-4	WO	FR	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.0094	0.030 M	0.030 J	-	NG/L	D5/C11
BA9DC-WO38-0315-1	L1594359-4	WO	FR	o,p'-DDE	0.0034	0.022 J	0.022 J		NG/L	D5/L/TR/C11
BA9DC-WO38-0315-1	L1594359-4	WO	FR	p,p'-DDD	0.0067	0.014 J	0.014 J	+	NG/L	D5/TR
BA9DC-WO38-0315-1	L1594359-4	WO	FR	p,p'-DDE	0.013	0.11 B	0.11 J	+	NG/L	D5/B1
BA9DC-WO38-0315-2	L1594359-6	WO	N	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0007	0.0010 J,M	0.0010 J		NG/L	D5/TR/G4
BA9DC-WO38-0315-2	L1594359-6	WO	N	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.0091	0.0091 U	0.0091 UJ		NG/L	D5/C11

Automated Data Review Detail Report for L1594359

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1699		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
BA9DC-WO38-0315-2	L1594359-6	WO	N	o,p'-DDE	0.0032	0.0046 J	0.0046 J		NG/L	D5/L/TR/C11
BA9DC-WO38-0315-2	L1594359-6	WO	N	p,p'-DDD	0.0083	0.0083 U	0.0083 U		NG/L	D5
BA9DC-WO38-0315-2	L1594359-6	WO	N	p,p'-DDE	0.012	0.041 B	0.041 J	+	NG/L	D5/B1
BA9DC-WO38-0315-3	L1594359-8	WO	FD	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0006	0.0023 J	0.0023 J		NG/L	D5/TR
BA9DC-WO38-0315-3	L1594359-8	WO	FD	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.0074	0.019 J	0.019 J	-	NG/L	D5/TR/C11
BA9DC-WO38-0315-3	L1594359-8	WO	FD	o,p'-DDE	0.0017	0.013 J	0.013 J		NG/L	D5/L/TR/C11
BA9DC-WO38-0315-3	L1594359-8	WO	FD	p,p'-DDD	0.0038	0.0070 J	0.0070 J	+	NG/L	D5/TR
BA9DC-WO38-0315-3	L1594359-8	WO	FD	p,p'-DDE	0.0033	0.061 B	0.061 J		NG/L	D5/B1
BA9DC-WO5-0315-1	L1594359-1	WO	N	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.016	0.016 U	0.016 UJ		NG/L	C11
BA9DC-WO5-0315-1	L1594359-1	WO	N	o,p'-DDE	0.0034	0.0041 J	0.0041 J	+	NG/L	L/TR
BA9DC-WO5-0315-1	L1594359-1	WO	N	p,p'-DDE	0.034	0.033 B	0.034 U		NG/L	B1
W4-WO100-0315-1	L1594359-10	WO	N	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.0099	0.016 J	0.016 J	-	NG/L	C11
W4-WO100-0315-1	L1594359-10	WO	N	o,p'-DDE	0.0054	0.018 J	0.018 J		NG/L	L/C11
W4-WO100-0315-1	L1594359-10	WO	N	o,p'-DDT	0.014	0.014 U	0.014 UJ		NG/L	C11
W4-WO100-0315-1	L1594359-10	WO	N	p,p'-DDE	0.019	0.12 J	0.12 J	+	NG/L	B1
W4-WO195-0315-1	L1594359-11	WO	N	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0006	0.017 J	0.017 J		NG/L	TR
W4-WO195-0315-1	L1594359-11	WO	N	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.0097	0.14	0.14 J	-	NG/L	C11
W4-WO195-0315-1	L1594359-11	WO	N	o,p'-DDE	0.0039	0.082	0.082 J		NG/L	L/C11
W4-WO195-0315-1	L1594359-11	WO	N	o,p'-DDT	0.019	0.019 U	0.019 UJ		NG/L	C11
W4-WO195-0315-1	L1594359-11	WO	N	p,p'-DDD	0.012	0.026 M	0.026 J		NG/L	G4
W4-WO195-0315-1	L1594359-11	WO	N	p,p'-DDE	0.010	0.43	0.43 J	+	NG/L	B1
W4-WO198-0315-1	L1594359-12	WO	N	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0004	0.0022 J	0.0022 J	+	NG/L	TR
W4-WO198-0315-1	L1594359-12	WO	N	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.010	0.026	0.026 J	-	NG/L	C11
W4-WO198-0315-1	L1594359-12	WO	N	o,p'-DDE	0.0026	0.0044 J	0.0044 J		NG/L	L/TR/C11

Automated Data Review Detail Report for L1594359

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1699		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
W4-WO198-0315-1	L1594359-12	WO	N	o,p'-DDT	0.011	0.011 U	0.011 UJ		NG/L	C11
W4-WO198-0315-1	L1594359-12	WO	N	p,p'-DDE	0.0099	0.10 B	0.10 J	+	NG/L	B1
W4-WO5-0315-1	L1594359-9	WO	N	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0005	0.0010 J	0.0010 J		NG/L	TR
W4-WO5-0315-1	L1594359-9	WO	N	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.0059	0.0062 J,M	0.0062 J	-	NG/L	TR/C11/G4/C11
W4-WO5-0315-1	L1594359-9	WO	N	o,p'-DDE	0.0033	0.0097 J	0.0097 J		NG/L	L/TR/C11
W4-WO5-0315-1	L1594359-9	WO	N	o,p'-DDT	0.0072	0.0072 U	0.0072 UJ		NG/L	C11
W4-WO5-0315-1	L1594359-9	WO	N	p,p'-DDE	0.010	0.093 B	0.093		NG/L	B1
WQ-ER1-0315-1	L1594359-17	WQ	EB	p,p'-DDE	0.21	0.16 B	0.21 U		NG/L	B1

Automated Data Review Detail Report for L1594359

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Detected Results

Test Method: E1668C		Extraction Method: METHOD			Leach Method: NONE					
FieldSample ID	LabSample ID	Matrix	Type	Dilution	Analyte	MDL	Lab Result	Qualified Result	Units	Reason
BA7C-WO30-0315-1	L1594359-14	WO	N	1	2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	0.68	1.8 J,M	1.8 J	PG/L	TR/G4
BA7C-WO30-0315-1	L1594359-14	WO	N	1	2,2',3,3',4,4',5,5'-OCTACHLOROBIPHENYL	0.34	0.50 J	0.50 J	PG/L	TR
BA7C-WO30-0315-1	L1594359-14	WO	N	1	2,2',3,3',4,4',5-HEPTACHLOROBIPHENYL	0.31	0.64 J,M	0.64 J	PG/L	TR/G4
BA7C-WO30-0315-1	L1594359-14	WO	N	5	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	1.6	6.9 J	6.9 J	PG/L	K1/B1/TR
BA7C-WO30-0315-1	L1594359-14	WO	N	5	2,2',3,4',5',6-HEXACHLOROBIPHENYL	1.6	3.6 J,M	3.6 J	PG/L	K1/TR/G4
BA7C-WO30-0315-1	L1594359-14	WO	N	1	2,2',3,4,5'-PENTACHLOROBIPHENYL/2,3',4,4',6-Pentachlorobiphenyl	0.15	4.6 J	4.6 J	PG/L	TR/K1
BA7C-WO30-0315-1	L1594359-14	WO	N	1	2,2',3,5,5',6-HEXACHLOROBIPHENYL	0.18	1.8 J	1.8 J	PG/L	TR/K1
BA7C-WO30-0315-1	L1594359-14	WO	N	1	2,2',3,5'-TETRACHLOROBIPHENYL	0.45	14.4	14.4 J	PG/L	B1/TR
BA7C-WO30-0315-1	L1594359-14	WO	N	5	2,2',4,4',5,5'-HEXACHLOROBIPHENYL/2,3',4,4',5',6-HEXACHLOROBIPHENYL	1.3	5.6 J,M	5.6 J	PG/L	TR/G4/K1/B1
BA7C-WO30-0315-1	L1594359-14	WO	N	1	2,2',4,5,5'-PENTACHLOROBIPHENYL	0.15	7.0 J	7.0 J	PG/L	K1/B1/TR
BA7C-WO30-0315-1	L1594359-14	WO	N	5	2,2',4,5'-TETRACHLOROBIPHENYL	2.8	5.9 J,M	5.9 J	PG/L	B1/TR/G4
BA7C-WO30-0315-1	L1594359-14	WO	N	1	2,2',5,5'-TETRACHLOROBIPHENYL	0.45	13.2	13.2 J	PG/L	K1/TR
BA7C-WO30-0315-1	L1594359-14	WO	N	1	2,2',5-TRICHLOROBIPHENYL	0.33	16.1	16.1 J	PG/L	K1/TR
BA7C-WO30-0315-1	L1594359-14	WO	N	5	2,3,3',4,4',5'-Hexachlorobiphenyl/2,3,3',4,4',5'-Hexachlorobiphenyl	1.4	1.6 J	1.6 J	PG/L	K1/B1/TR
BA7C-WO30-0315-1	L1594359-14	WO	N	1	2,3,3',4,4'-PENTACHLOROBIPHENYL	0.20	2.7 J,M	2.7 J	PG/L	K1/TR/G4
BA7C-WO30-0315-1	L1594359-14	WO	N	1	2,3,3',4',6-PENTACHLOROBIPHENYL	0.14	9.1 J	9.1 J	PG/L	K1/TR
BA7C-WO30-0315-1	L1594359-14	WO	N	1	2,3,4,4',5-PENTACHLOROBIPHENYL	0.21	0.46 J,M	0.46 J	PG/L	TR/G4
BA7C-WO30-0315-1	L1594359-14	WO	N	1	2',3,4,4',5-PENTACHLOROBIPHENYL	0.21	0.52 J	0.52 J	PG/L	TR
BA7C-WO30-0315-1	L1594359-14	WO	N	1	2,3',4,4',5-PENTACHLOROBIPHENYL	0.20	6.7 J	6.7 J	PG/L	K1/B1/TR
BA7C-WO30-0315-1	L1594359-14	WO	N	1	2,3',4,4'-TETRACHLOROBIPHENYL	0.41	7.7 J,B	7.7 J	PG/L	K1/TR
BA7C-WO30-0315-1	L1594359-14	WO	N	1	2,4,4'-TRICHLOROBIPHENYL	0.31	19.1	19.1 J	PG/L	K1/TR
BA7C-WO30-0315-1	L1594359-14	WO	N	5	2,4',5-TRICHLOROBIPHENYL	2.4	8.6 J	8.6 J	PG/L	K1/TR
BA7C-WO30-0315-1	L1594359-14	WO	N	1	2,4'-DICHLOROBIPHENYL	2.0	26.2	26.2 J	PG/L	B1

Automated Data Review Detail Report for L1594359

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Detected Results

Test Method: E1668C		Extraction Method: METHOD			Leach Method: NONE					
FieldSample ID	LabSample ID	Matrix	Type	Dilution	Analyte	MDL	Lab Result	Qualified Result	Units	Reason
BA7C-WO30-0315-1	L1594359-14	WO	N	1	3,3',4,4',5-PENTACHLOROBIPHENYL	0.21	0.32 J,M	0.32 J	PG/L	TR/G4
BA7C-WO30-0315-1	L1594359-14	WO	N	1	3,3',4,4'-TETRACHLOROBIPHENYL	0.54	1.1 J,B	1.1 J	PG/L	TR
BA7C-WO30-0315-1	L1594359-14	WO	N	1	3,4,4'-TRICHLOROBIPHENYL	0.41	4.1 J,B	4.1 J	PG/L	B1/TR
BA7C-WO30-0315-1	L1594359-14	WO	N	1	PCB061/070/074/076	0.45	15.0 B	15.0 J	PG/L	B1
BA7C-WO5-0315-1	L1594359-13	WO	N	1	2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	2.9	3.9 J,M	3.9 J	PG/L	TR/G4
BA7C-WO5-0315-1	L1594359-13	WO	N	1	2,2',3,3',4,5',6'-HEPTACHLOROBIPHENYL	0.82	2.1 J	2.1 J	PG/L	TR/K1
BA7C-WO5-0315-1	L1594359-13	WO	N	1	2,2',3,4,4',5',6'-HEPTACHLOROBIPHENYL	0.68	0.92 J,M	0.92 J	PG/L	TR/G4/B1/K1
BA7C-WO5-0315-1	L1594359-13	WO	N	1	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	0.38	5.2 J	5.2 J	PG/L	K1/B1/TR
BA7C-WO5-0315-1	L1594359-13	WO	N	1	2,2',3,4',5,5',6'-HEPTACHLOROBIPHENYL	0.74	3.4 J,M	3.4 J	PG/L	K1/B1/TR/G4
BA7C-WO5-0315-1	L1594359-13	WO	N	1	2,2',3,4,5'-PENTACHLOROBIPHENYL/2,3',4,4',6'-Pentachlorobiphenyl	0.20	2.4 J	2.4 J	PG/L	TR/K1
BA7C-WO5-0315-1	L1594359-13	WO	N	1	2,2',3,5,5',6'-HEXACHLOROBIPHENYL	0.27	1.0 J,M	1.0 J	PG/L	TR/G4/K1
BA7C-WO5-0315-1	L1594359-13	WO	N	1	2,2',3,5'-TETRACHLOROBIPHENYL	0.48	4.6 J	4.6 J	PG/L	B1/TR
BA7C-WO5-0315-1	L1594359-13	WO	N	1	2,2',4,4',5-PENTACHLOROBIPHENYL	0.24	0.64 J	0.64 J	PG/L	TR
BA7C-WO5-0315-1	L1594359-13	WO	N	1	2,2',4,5,5'-PENTACHLOROBIPHENYL	0.20	3.2 J	3.2 J	PG/L	K1/B1/TR
BA7C-WO5-0315-1	L1594359-13	WO	N	1	2,2',4,5'-TETRACHLOROBIPHENYL	0.46	1.4 J,M	1.4 J	PG/L	B1/TR/G4
BA7C-WO5-0315-1	L1594359-13	WO	N	1	2,2',5,5'-TETRACHLOROBIPHENYL	0.49	3.4 J	3.4 J	PG/L	K1/TR
BA7C-WO5-0315-1	L1594359-13	WO	N	1	2,2',5-TRICHLOROBIPHENYL	0.27	10.7 J	10.7 J	PG/L	K1/TR
BA7C-WO5-0315-1	L1594359-13	WO	N	1	2,3,3',4,4',5'-Hexachlorobiphenyl/2,3,3',4,4',5'-Hexachlorobiphenyl	0.30	0.86 J,M	0.86 J	PG/L	K1/B1/TR/G4
BA7C-WO5-0315-1	L1594359-13	WO	N	1	2,3,3',4,4'-PENTACHLOROBIPHENYL	0.28	1.2 J,B	1.2 J	PG/L	K1
BA7C-WO5-0315-1	L1594359-13	WO	N	1	2,3,3',4',6-PENTACHLOROBIPHENYL	0.19	4.7 J	4.7 J	PG/L	K1/TR
BA7C-WO5-0315-1	L1594359-13	WO	N	1	2,3,4,4',5-PENTACHLOROBIPHENYL	0.43	0.64 J,M	0.64 J	PG/L	TR/G4
BA7C-WO5-0315-1	L1594359-13	WO	N	1	2,3',4,4'-TETRACHLOROBIPHENYL	0.40	1.4 J,B	1.4 J	PG/L	K1
BA7C-WO5-0315-1	L1594359-13	WO	N	1	2,4,4'-TRICHLOROBIPHENYL	0.21	7.5 J,B	7.5 J	PG/L	K1/TR
BA7C-WO5-0315-1	L1594359-13	WO	N	1	2,4',5-TRICHLOROBIPHENYL	0.19	4.3 J,M	4.3 J	PG/L	K1/TR/G4

Automated Data Review Detail Report for L1594359

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Detected Results

Test Method: E1668C		Extraction Method: METHOD			Leach Method: NONE					
FieldSample ID	LabSample ID	Matrix	Type	Dilution	Analyte	MDL	Lab Result	Qualified Result	Units	Reason
BA7C-WO5-0315-1	L1594359-13	WO	N	1	2,4'-DICHLOROBIPHENYL	2.8	24.1	24.1 J	PG/L	B1
BA7C-WO5-0315-1	L1594359-13	WO	N	1	3,3',4,4',5-PENTACHLOROBIPHENYL	0.27	0.29 J,M	0.29 J	PG/L	TR/G4
BA7C-WO5-0315-1	L1594359-13	WO	N	1	3,3',4,4'-TETRACHLOROBIPHENYL	0.59	0.76 J,M	0.76 J	PG/L	TR/G4
BA7C-WO5-0315-1	L1594359-13	WO	N	1	3,4,4'-TRICHLOROBIPHENYL	0.31	1.6 J,B	1.6 J	PG/L	B1/TR
BA7C-WO5-0315-1	L1594359-13	WO	N	1	PCB061/070/074/076	0.44	2.3 J,B	2.3 J	PG/L	TR/B1
BA7C-WO55-0315-1	L1594359-15	WO	N	1	2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	0.56	1.7 J,M	1.7 J	PG/L	TR/G4
BA7C-WO55-0315-1	L1594359-15	WO	N	1	2,2',3,3',4,4',5-HEPTACHLOROBIPHENYL	0.25	0.94 J	0.94 J	PG/L	TR
BA7C-WO55-0315-1	L1594359-15	WO	N	1	2,2',3,4,4',5,5',6-OCTACHLOROBIPHENYL	0.26	0.47 J	0.47 J	PG/L	TR
BA7C-WO55-0315-1	L1594359-15	WO	N	1	2,2',4,5,5'-PENTACHLOROBIPHENYL	0.15	2.0 J	2.0 J	PG/L	K1/B1/TR
BA7C-WO55-0315-1	L1594359-15	WO	N	1	2,3,3',4,4',5,5'-HEPTACHLOROBIPHENYL	0.40	0.77 J,M	0.77 J	PG/L	TR/G4
BA7C-WO55-0315-1	L1594359-15	WO	N	1	2,3,3',4,4',5-Hexachlorobiphenyl/2,3,3',4,4',5'-Hexachlorobiphenyl	0.097	1.9 J	1.6 J	PG/L	K1/B1/TR
BA7C-WO55-0315-1	L1594359-15	WO	N	1	2,3,3',4,4'-PENTACHLOROBIPHENYL	0.17	1.6 J,B	1.6 J	PG/L	K1
BA7C-WO55-0315-1	L1594359-15	WO	N	1	2,3,3',4',6-PENTACHLOROBIPHENYL	0.13	1.9 J,M	1.9 J	PG/L	K1/TR/G4
BA7C-WO55-0315-1	L1594359-15	WO	N	1	2,3',4,4',5,5'-HEXACHLOROBIPHENYL	0.081	0.91 J,M	0.91 J	PG/L	TR/K1/G4/B1
BA7C-WO55-0315-1	L1594359-15	WO	N	1	2,3,4,4',5-PENTACHLOROBIPHENYL	0.18	0.96 J	0.96 J	PG/L	TR
BA7C-WO55-0315-1	L1594359-15	WO	N	1	2',3,4,4',5-PENTACHLOROBIPHENYL	0.19	1.1 J	1.1 J	PG/L	TR
BA7C-WO55-0315-1	L1594359-15	WO	N	1	2,3',4,4',5-PENTACHLOROBIPHENYL	0.17	3.0 J	3.0 J	PG/L	K1/B1/TR
BA7C-WO55-0315-1	L1594359-15	WO	N	1	2,3',4,4'-TETRACHLOROBIPHENYL	0.48	1.2 J,B	1.2 J	PG/L	K1/TR
BA7C-WO55-0315-1	L1594359-15	WO	N	1	2,4,4'-TRICHLOROBIPHENYL	0.19	2.8 J,B	2.8 J	PG/L	K1
BA7C-WO55-0315-1	L1594359-15	WO	N	1	3,3',4,4',5,5'-HEXACHLOROBIPHENYL	0.10	1.0 J	1.0 J	PG/L	TR
BA7C-WO55-0315-1	L1594359-15	WO	N	1	3,3',4,4',5-PENTACHLOROBIPHENYL	0.17	1.2 J	1.2 J	PG/L	TR
BA7C-WO55-0315-1	L1594359-15	WO	N	1	3,3',4,4'-TETRACHLOROBIPHENYL	0.65	1.3 J,B	1.3 J	PG/L	TR
BA7C-WO55-0315-1	L1594359-15	WO	N	1	3,4,4',5-TETRACHLOROBIPHENYL	0.62	0.84 J,M	0.84 J	PG/L	TR/G4
BA7C-WO55-0315-1	L1594359-15	WO	N	1	3,4,4'-TRICHLOROBIPHENYL	0.27	1.6 J,M	1.6 J	PG/L	B1/TR/G4

Automated Data Review Detail Report for L1594359

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Detected Results

Test Method: E1668C		Extraction Method: METHOD			Leach Method: NONE					
FieldSample ID	LabSample ID	Matrix	Type	Dilution	Analyte	MDL	Lab Result	Qualified Result	Units	Reason
BA7C-WO58-0315-1	L1594359-16	WO	N	1	2,2',3,4,5'-PENTACHLOROBIPHENYL/2,3',4,4',6-Pentachlorobiphenyl	0.23	1.5 J	1.5 J	PG/L	TR/K1
BA7C-WO58-0315-1	L1594359-16	WO	N	1	2,3,3',4,4'-PENTACHLOROBIPHENYL	0.26	0.67 J,M	0.67 J	PG/L	K1/TR/G4
BA7C-WO58-0315-1	L1594359-16	WO	N	1	2,3,3',4',6-PENTACHLOROBIPHENYL	0.21	2.0 J,M	2.0 J	PG/L	K1/TR/G4
BA7C-WO58-0315-1	L1594359-16	WO	N	1	3,4,4'-TRICHLOROBIPHENYL	0.63	1.0 J,B	1.0 J	PG/L	B1/TR
BA8C-WO30-0315-1	L1594359-19	WO	N	1	2,2',3,3',4,4',5-HEPTACHLOROBIPHENYL	0.61	1.6 J	1.6 J	PG/L	TR
BA8C-WO30-0315-1	L1594359-19	WO	N	1	2,2',3,3',4,5',6'-HEPTACHLOROBIPHENYL	0.57	1.3 J,M	1.3 J	PG/L	TR/G4/K1
BA8C-WO30-0315-1	L1594359-19	WO	N	1	2,2',3,4,4',5,5'-HEPTACHLOROBIPHENYL	0.49	3.7 J,M	3.7 J	PG/L	K1/B1/TR/G4
BA8C-WO30-0315-1	L1594359-19	WO	N	1	2,2',3,4,4',5',6-HEPTACHLOROBIPHENYL	0.47	1.2 J	1.2 J	PG/L	TR
BA8C-WO30-0315-1	L1594359-19	WO	N	1	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	0.57	3.8 J	3.8 J	PG/L	K1/B1/TR
BA8C-WO30-0315-1	L1594359-19	WO	N	1	2,2',3,5,5',6-HEXACHLOROBIPHENYL	0.24	1.2 J,M	1.2 J	PG/L	TR/G4/K1
BA8C-WO30-0315-1	L1594359-19	WO	N	1	2,2',4,4',5-PENTACHLOROBIPHENYL	0.20	0.74 J	0.74 J	PG/L	TR
BA8C-WO30-0315-1	L1594359-19	WO	N	1	2,2',4,5,5'-PENTACHLOROBIPHENYL	0.17	1.7 J,M	1.7 J	PG/L	TR/B1/G4/K1
BA8C-WO30-0315-1	L1594359-19	WO	N	1	2,3,3',4',6-PENTACHLOROBIPHENYL	0.15	2.2 J	2.2 J	PG/L	K1/TR
BA8C-WO30-0315-1	L1594359-19	WO	N	1	2,3',4,4',5-PENTACHLOROBIPHENYL	0.45	3.1 J	3.1 J	PG/L	K1/B1/TR
BA8C-WO30-0315-1	L1594359-19	WO	N	5	2,4',5-TRICHLOROBIPHENYL	1.5	2.6 J	2.6 J	PG/L	K1/TR
BA8C-WO30-0315-1	L1594359-19	WO	N	1	3,4,4'-TRICHLOROBIPHENYL	0.42	1.0 J,M	1.0 J	PG/L	B1/TR/G4
BA8C-WO55-0315-1	L1594359-20	WO	N	1	2,2',3,3',4,4',5-HEPTACHLOROBIPHENYL	0.69	2.1 J,M	2.1 J	PG/L	TR/G4
BA8C-WO55-0315-1	L1594359-20	WO	N	1	2,2',3,3',4,5',6'-HEPTACHLOROBIPHENYL	0.64	1.6 J,M	1.6 J	PG/L	TR/G4/K1
BA8C-WO55-0315-1	L1594359-20	WO	N	1	2,2',3,4,4',5,5',6-OCTACHLOROBIPHENYL	1.0	1.5 J	1.5 J	PG/L	TR
BA8C-WO55-0315-1	L1594359-20	WO	N	1	2,2',3,4,4',5,5'-HEPTACHLOROBIPHENYL	0.56	5.9 J,M	5.9 J	PG/L	K1/B1/TR/G4
BA8C-WO55-0315-1	L1594359-20	WO	N	1	2,2',3,4,4',5',6-HEPTACHLOROBIPHENYL	0.53	1.1 J,M	1.1 J	PG/L	TR/G4/B1/K1
BA8C-WO55-0315-1	L1594359-20	WO	N	1	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	0.43	8.2 J	8.2 J	PG/L	K1/B1

Automated Data Review Detail Report for L1594359

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Detected Results

Test Method: E1668C		Extraction Method: METHOD			Leach Method: NONE					
FieldSample ID	LabSample ID	Matrix	Type	Dilution	Analyte	MDL	Lab Result	Qualified Result	Units	Reason
BA8C-WO55-0315-1	L1594359-20	WO	N	1	2,2',3,4',5,5',6-HEPTACHLOROBIPHENYL	0.58	5.4 J	5.4 J	PG/L	K1/B1/TR
BA8C-WO55-0315-1	L1594359-20	WO	N	5	2,2',3,4',5',6-HEXACHLOROBIPHENYL	2.2	6.7 J	6.7 J	PG/L	K1/TR
BA8C-WO55-0315-1	L1594359-20	WO	N	1	2,2',3,4,5'-PENTACHLOROBIPHENYL/2,3',4,4',6-Pentachlorobiphenyl	0.17	1.7 J,M	1.7 J	PG/L	TR/G4/K1
BA8C-WO55-0315-1	L1594359-20	WO	N	1	2,2',3,5,5',6-HEXACHLOROBIPHENYL	0.21	1.5 J,M	1.5 J	PG/L	TR/G4/K1
BA8C-WO55-0315-1	L1594359-20	WO	N	1	2,2',4,4',5,5'-HEXACHLOROBIPHENYL/2,3',4,4',5',6-HEXACHLOROBIPHENYL	0.35	10.1 J	10.1 J	PG/L	TR/K1/B1
BA8C-WO55-0315-1	L1594359-20	WO	N	1	2,2',4,5,5'-PENTACHLOROBIPHENYL	0.17	3.1 J	3.1 J	PG/L	TR/K1
BA8C-WO55-0315-1	L1594359-20	WO	N	1	2,2',5-TRICHLOROBIPHENYL	0.29	2.8 J	2.8 J	PG/L	K1/TR
BA8C-WO55-0315-1	L1594359-20	WO	N	1	2,3,3',4,4',5'-Hexachlorobiphenyl/2,3,3',4,4',5'-Hexachlorobiphenyl	0.37	0.79 J,M	0.79 J	PG/L	K1/B1/TR/G4
BA8C-WO55-0315-1	L1594359-20	WO	N	1	2,3,3',4,4',6-HEXACHLOROBIPHENYL	0.30	0.47 J	0.47 J	PG/L	TR/K1
BA8C-WO55-0315-1	L1594359-20	WO	N	1	2,3,3',4,4'-PENTACHLOROBIPHENYL	0.42	0.95 J,M	0.95 J	PG/L	K1/TR/G4
BA8C-WO55-0315-1	L1594359-20	WO	N	1	2,3,3',4',6-PENTACHLOROBIPHENYL	0.16	3.3 J,M	3.3 J	PG/L	K1/TR/G4
BA8C-WO55-0315-1	L1594359-20	WO	N	1	2,3',4,4',5-PENTACHLOROBIPHENYL	0.52	3.7 J	3.7 J	PG/L	K1/B1/TR
BA8C-WO55-0315-1	L1594359-20	WO	N	1	2,3',4,4'-TETRACHLOROBIPHENYL	0.64	1.1 J,B	1.1 J	PG/L	K1/TR
BA8C-WO55-0315-1	L1594359-20	WO	N	1	3,4,4'-TRICHLOROBIPHENYL	0.58	1.3 J,B	1.3 J	PG/L	B1/TR
BA8C-WO58-0315-2	L1594359-23	WO	N	1	2,2',3,3',4,4',5-HEPTACHLOROBIPHENYL	0.18	0.73 J	0.73 J	PG/L	D5/S/TR
BA8C-WO58-0315-2	L1594359-23	WO	N	1	2,2',3,4,4',5,5',6-OCTACHLOROBIPHENYL	0.17	0.23 J,M	0.23 J	PG/L	TR/D5/S/G4
BA8C-WO58-0315-2	L1594359-23	WO	N	1	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	0.18	3.7 J	3.7 J	PG/L	K1/B1/S/TR
BA8C-WO58-0315-2	L1594359-23	WO	N	1	2,2',3,4,5'-PENTACHLOROBIPHENYL/2,3',4,4',6-Pentachlorobiphenyl	0.12	1.9 J	1.9 J	PG/L	TR/S/K1
BA8C-WO58-0315-2	L1594359-23	WO	N	1	2,2',3,5,5',6-HEXACHLOROBIPHENYL	0.065	1.1 J	1.1 J	PG/L	TR/S/K1
BA8C-WO58-0315-2	L1594359-23	WO	N	1	2,2',3,5'-TETRACHLOROBIPHENYL	0.25	3.7 J	3.7 J	PG/L	B1/S/TR
BA8C-WO58-0315-2	L1594359-23	WO	N	5	2,2',4,4',5-PENTACHLOROBIPHENYL	0.86	1.3 J	1.3 J	PG/L	TR/S
BA8C-WO58-0315-2	L1594359-23	WO	N	1	2,2',4,5,5'-PENTACHLOROBIPHENYL	0.12	2.6 J	2.6 J	PG/L	S/K1/B1/TR

Automated Data Review Detail Report for L1594359

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Detected Results

Test Method: E1668C		Extraction Method: METHOD			Leach Method: NONE					
FieldSample ID	LabSample ID	Matrix	Type	Dilution	Analyte	MDL	Lab Result	Qualified Result	Units	Reason
BA8C-WO58-0315-2	L1594359-23	WO	N	1	2,2',4,5'-TETRACHLOROBIPHENYL	0.23	1.3 J,M	1.3 J	PG/L	B1/TR/S/G4
BA8C-WO58-0315-2	L1594359-23	WO	N	1	2,2',5,5'-TETRACHLOROBIPHENYL	0.25	3.3 J	3.3 J	PG/L	K1/S/TR
BA8C-WO58-0315-2	L1594359-23	WO	N	1	2,3,3',4',6-PENTACHLOROBIPHENYL	0.11	3.1 J	3.1 J	PG/L	K1/S/TR
BA8C-WO58-0315-2	L1594359-23	WO	N	1	2,3',4,4',5-PENTACHLOROBIPHENYL	0.17	3.4 J	3.4 J	PG/L	K1/B1/S/TR
BA8C-WO58-0315-2	L1594359-23	WO	N	1	2,3',4,4'-TETRACHLOROBIPHENYL	0.34	1.4 J,M	1.4 J	PG/L	S/K1/TR/G4
BA8C-WO58-0315-2	L1594359-23	WO	N	1	2,4,4'-TRICHLOROBIPHENYL	0.15	3.0 J,M	3.0 J	PG/L	K1/TR/D5/S/G
BA8C-WO58-0315-2	L1594359-23	WO	N	5	2,4',5-TRICHLOROBIPHENYL	1.3	3.5 J,M	3.5 J	PG/L	S/K1/TR/G4
BA8C-WO58-0315-2	L1594359-23	WO	N	1	3,4,4'-TRICHLOROBIPHENYL	0.21	1.3 J,B	1.3 J	PG/L	B1/D5/S
BA8C-WO58-0315-2	L1594359-23	WO	N	1	PCB061/070/074/076	0.37	3.3 J,B	3.3 J	PG/L	TR/S/B1/D5
BA8C-WO58-0315-3	L1594359-25	WO	FD	1	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	0.64	5.1 J	5.1 J	PG/L	K1/B1/S
BA8C-WO58-0315-3	L1594359-25	WO	FD	1	2,2',3,4,5'-PENTACHLOROBIPHENYL/2,3',4,4',6-Pentachlorobiphenyl	0.31	1.9 J,M	1.9 J	PG/L	S/TR/G4/K1
BA8C-WO58-0315-3	L1594359-25	WO	FD	1	2,2',3,5,5',6-HEXACHLOROBIPHENYL	0.60	0.96 J,M	0.96 J	PG/L	S/TR/G4/K1
BA8C-WO58-0315-3	L1594359-25	WO	FD	1	2,2',3,5'-TETRACHLOROBIPHENYL	0.53	2.9 J	2.9 J	PG/L	B1/S
BA8C-WO58-0315-3	L1594359-25	WO	FD	1	2,2',4,5,5'-PENTACHLOROBIPHENYL	0.31	2.0 J,M	2.0 J	PG/L	TR/B1/K1/G4/
BA8C-WO58-0315-3	L1594359-25	WO	FD	1	2,2',5,5'-TETRACHLOROBIPHENYL	0.53	2.2 J	2.2 J	PG/L	K1/S
BA8C-WO58-0315-3	L1594359-25	WO	FD	1	2,3,3',4,4',5'-Hexachlorobiphenyl/2,3,3',4,4',5'-Hexachlorobiphenyl	0.53	0.76 J	0.76 J	PG/L	K1/B1/D5/S
BA8C-WO58-0315-3	L1594359-25	WO	FD	1	2,3,3',4',6-PENTACHLOROBIPHENYL	0.29	3.4 J	3.4 J	PG/L	K1/TR/S
BA8C-WO58-0315-3	L1594359-25	WO	FD	1	2,3',4,4',5-PENTACHLOROBIPHENYL	0.49	3.5 J	3.5 J	PG/L	K1/B1/S
BA8C-WO58-0315-3	L1594359-25	WO	FD	1	2,4',5-TRICHLOROBIPHENYL	0.35	2.3 J	2.3 J	PG/L	K1/S
BA9DC-WO20-0315-1	L1594359-2	WO	N	1	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	0.38	3.6 J	3.6 J	PG/L	K1/TR
BA9DC-WO20-0315-1	L1594359-2	WO	N	1	2,2',3,4',5',6-HEXACHLOROBIPHENYL	0.39	2.9 J	2.9 J	PG/L	B1/K1/TR
BA9DC-WO20-0315-1	L1594359-2	WO	N	1	2,2',3,4,5'-PENTACHLOROBIPHENYL/2,3',4,4',6-Pentachlorobiphenyl	0.11	2.4 J	2.4 J	PG/L	TR/B1
BA9DC-WO20-0315-1	L1594359-2	WO	N	1	2,2',3,5,5',6-HEXACHLOROBIPHENYL	0.19	1.6 J	1.6 J	PG/L	TR/K1
BA9DC-WO20-0315-1	L1594359-2	WO	N	1	2,2',3,5'-TETRACHLOROBIPHENYL	0.92	5.5 J	5.5 J	PG/L	B1/TR
BA9DC-WO20-0315-1	L1594359-2	WO	N	5	2,2',4,4',5-PENTACHLOROBIPHENYL	0.89	1.2 J	1.2 J	PG/L	TR

Automated Data Review Detail Report for L1594359

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Detected Results

Test Method: E1668C		Extraction Method: METHOD			Leach Method: NONE					
FieldSample ID	LabSample ID	Matrix	Type	Dilution	Analyte	MDL	Lab Result	Qualified Result	Units	Reason
BA9DC-WO20-0315-1	L1594359-2	WO	N	1	2,2',4,5,5'-PENTACHLOROBIPHENYL	0.058	3.1 J	2.4 J	PG/L	B1/K1/TR
BA9DC-WO20-0315-1	L1594359-2	WO	N	1	2,2',4,5'-TETRACHLOROBIPHENYL	0.87	2.3 J	2.3 J	PG/L	TR
BA9DC-WO20-0315-1	L1594359-2	WO	N	1	2,2',5,5'-TETRACHLOROBIPHENYL	0.95	5.1 J	5.1 J	PG/L	K1/B1/TR
BA9DC-WO20-0315-1	L1594359-2	WO	N	1	2,2',5-TRICHLOROBIPHENYL	0.34	7.1 J,B	7.1 J	PG/L	K1/B1
BA9DC-WO20-0315-1	L1594359-2	WO	N	1	2,3,3',4',6-PENTACHLOROBIPHENYL	0.097	4.2 J	4.2 J	PG/L	B1/TR
BA9DC-WO20-0315-1	L1594359-2	WO	N	1	2,3',4,4',5-PENTACHLOROBIPHENYL	0.27	2.9 J	2.9 J	PG/L	K1/B1/TR
BA9DC-WO20-0315-1	L1594359-2	WO	N	1	2,3',4,4'-TETRACHLOROBIPHENYL	1.1	2.3 J,B	2.3 J	PG/L	K1/TR
BA9DC-WO20-0315-1	L1594359-2	WO	N	1	2,4,4'-TRICHLOROBIPHENYL	0.31	7.0 J	7.0 J	PG/L	B1/TR
BA9DC-WO20-0315-1	L1594359-2	WO	N	5	2,4',5-TRICHLOROBIPHENYL	1.4	5.3 J	5.3 J	PG/L	B1/TR
BA9DC-WO20-0315-1	L1594359-2	WO	N	1	2,4'-DICHLOROBIPHENYL	3.9	10.6 J	10.6 J	PG/L	B1/TR
BA9DC-WO20-0315-1	L1594359-2	WO	N	1	PCB061/070/074/076	1.2	4.1 J,B	4.1 J	PG/L	TR/B1
BA9DC-WO35-0315-1	L1594359-3	WO	N	1	2,2',3,3',4,4',5-HEPTACHLOROBIPHENYL	1.1	1.5 J	1.5 J	PG/L	TR
BA9DC-WO35-0315-1	L1594359-3	WO	N	1	2,2',3,3',4,4'-HEXACHLOROBIPHENYL	0.53	0.86 J	0.86 J	PG/L	TR
BA9DC-WO35-0315-1	L1594359-3	WO	N	1	2,2',3,4,4',5,5',6-OCTACHLOROBIPHENYL	0.85	1.1 J,M	1.1 J	PG/L	TR/G4
BA9DC-WO35-0315-1	L1594359-3	WO	N	1	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	0.57	4.1 J	4.1 J	PG/L	K1/TR
BA9DC-WO35-0315-1	L1594359-3	WO	N	5	2,2',3,4',5',6-HEXACHLOROBIPHENYL	0.96	3.0 J	3.0 J	PG/L	B1/K1/TR
BA9DC-WO35-0315-1	L1594359-3	WO	N	1	2,2',3,4,5'-PENTACHLOROBIPHENYL/2,3',4,4',6-Pentachlorobiphenyl	0.18	3.0 J,M	3.0 J	PG/L	TR/G4/B1
BA9DC-WO35-0315-1	L1594359-3	WO	N	1	2,2',3,5,5',6-HEXACHLOROBIPHENYL	0.35	1.4 J	1.4 J	PG/L	TR/K1
BA9DC-WO35-0315-1	L1594359-3	WO	N	1	2,2',3,5'-TETRACHLOROBIPHENYL	1.3	5.4 J	5.4 J	PG/L	B1/TR
BA9DC-WO35-0315-1	L1594359-3	WO	N	5	2,2',4,4',5-PENTACHLOROBIPHENYL	0.39	0.75 J,M	0.75 J	PG/L	TR/G4
BA9DC-WO35-0315-1	L1594359-3	WO	N	1	2,2',4,5,5'-PENTACHLOROBIPHENYL	0.16	4.1 J	3.5 J	PG/L	B1/K1/TR/S
BA9DC-WO35-0315-1	L1594359-3	WO	N	1	2,2',4,5'-TETRACHLOROBIPHENYL	1.2	2.1 J	2.1 J	PG/L	TR
BA9DC-WO35-0315-1	L1594359-3	WO	N	1	2,2',5,5'-TETRACHLOROBIPHENYL	1.3	4.0 J	4.0 J	PG/L	K1/B1/TR
BA9DC-WO35-0315-1	L1594359-3	WO	N	1	2,3,3',4,4'-PENTACHLOROBIPHENYL	0.38	1.5 J,B	1.5 J	PG/L	B1/TR
BA9DC-WO35-0315-1	L1594359-3	WO	N	1	2,3,3',4',6-PENTACHLOROBIPHENYL	0.17	6.1 J	6.1 J	PG/L	B1/TR
BA9DC-WO35-0315-1	L1594359-3	WO	N	1	2,3',4,4',5-PENTACHLOROBIPHENYL	0.47	3.0 J,M	3.0 J	PG/L	K1/B1/TR/G4

Automated Data Review Detail Report for L1594359

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Detected Results

Test Method: E1668C		Extraction Method: METHOD			Leach Method: NONE					
FieldSample ID	LabSample ID	Matrix	Type	Dilution	Analyte	MDL	Lab Result	Qualified Result	Units	Reason
BA9DC-WO35-0315-1	L1594359-3	WO	N	1	2,3',4,4'-TETRACHLOROBIPHENYL	1.2	2.8 J,M	2.8 J	PG/L	K1/TR/G4
BA9DC-WO35-0315-1	L1594359-3	WO	N	1	PCB061/070/074/076	1.3	5.0 J,B	5.0 J	PG/L	TR/B1
BA9DC-WO38-0315-2	L1594359-6	WO	N	1	2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	0.57	0.69 J	0.69 J	PG/L	TR/D5
BA9DC-WO38-0315-2	L1594359-6	WO	N	1	2,2',3,3',4,4',5-HEPTACHLOROBIPHENYL	0.32	0.32 U	0.73 J	PG/L	D5/TR
BA9DC-WO38-0315-2	L1594359-6	WO	N	1	2,2',4,5,5'-PENTACHLOROBIPHENYL	0.15	1.1 J	6.0 J	PG/L	B1/K1/TR
BA9DC-WO38-0315-3	L1594359-8	WO	FD	1	2,2',3,3',4,4'-HEXACHLOROBIPHENYL	0.29	0.42 J,M	0.42 J	PG/L	D5/TR/G4
BA9DC-WO38-0315-3	L1594359-8	WO	FD	1	2,2',4,5'-TETRACHLOROBIPHENYL	0.80	1.2 J	1.2 J	PG/L	TR/D5
BA9DC-WO38-0315-3	L1594359-8	WO	FD	1	2,3,3',4,4',5'-Hexachlorobiphenyl/2,3,3',4,4',5'-Hexachlorobiphenyl	0.29	0.29 U	0.76 J	PG/L	D5
BA9DC-WO38-0315-3	L1594359-8	WO	FD	1	2,3,3',4',6-PENTACHLOROBIPHENYL	0.059	2.8 J,M	2.8 J	PG/L	B1/D5/TR/G4
BA9DC-WO38-0315-3	L1594359-8	WO	FD	1	2,3',4,4'-TETRACHLOROBIPHENYL	0.88	1.1 J,M	1.1 J	PG/L	K1/TR/G4/D5
BA9DC-WO38-0315-3	L1594359-8	WO	FD	1	PCB061/070/074/076	0.96	2.4 J,B	2.4 J	PG/L	TR/B1/D5
BA9DC-WO5-0315-1	L1594359-1	WO	N	1	2,2',3,4,5'-PENTACHLOROBIPHENYL/2,3',4,4',6-Pentachlorobiphenyl	1.4	1.6 J,M	1.6 J	PG/L	TR/B1/G4
BA9DC-WO5-0315-1	L1594359-1	WO	N	1	2,2',3,5'-TETRACHLOROBIPHENYL	1.1	4.1 J	4.1 J	PG/L	B1/TR
BA9DC-WO5-0315-1	L1594359-1	WO	N	5	2,2',4,4',5-PENTACHLOROBIPHENYL	0.35	1.1 J	1.1 J	PG/L	TR
BA9DC-WO5-0315-1	L1594359-1	WO	N	1	2,2',4,5,5'-PENTACHLOROBIPHENYL	0.11	2.4 J	3.1 J	PG/L	B1/K1/TR
BA9DC-WO5-0315-1	L1594359-1	WO	N	1	2,2',4,5'-TETRACHLOROBIPHENYL	1.0	1.5 J,M	1.5 J	PG/L	TR/G4
BA9DC-WO5-0315-1	L1594359-1	WO	N	1	2,2',5,5'-TETRACHLOROBIPHENYL	1.1	4.3 J	4.3 J	PG/L	K1/B1/TR
BA9DC-WO5-0315-1	L1594359-1	WO	N	1	2,2',5-TRICHLOROBIPHENYL	0.36	5.2 J,B	5.2 J	PG/L	K1/B1
BA9DC-WO5-0315-1	L1594359-1	WO	N	1	2,3,3',4',6-PENTACHLOROBIPHENYL	0.052	2.6 J	2.6 J	PG/L	B1/TR
BA9DC-WO5-0315-1	L1594359-1	WO	N	1	2',3,4,4',5-PENTACHLOROBIPHENYL	0.12	0.18 J,M	0.18 J	PG/L	TR/G4
BA9DC-WO5-0315-1	L1594359-1	WO	N	1	2,3',4,4'-TETRACHLOROBIPHENYL	1.3	1.3 J,M	1.3 J	PG/L	TR/G4
BA9DC-WO5-0315-1	L1594359-1	WO	N	1	2,4,4'-TRICHLOROBIPHENYL	0.37	5.4 J	5.4 J	PG/L	B1/TR
BA9DC-WO5-0315-1	L1594359-1	WO	N	1	2,4'-DICHLOROBIPHENYL	4.4	8.6 J	8.6 J	PG/L	B1/TR
BA9DC-WO5-0315-1	L1594359-1	WO	N	1	PCB061/070/074/076	1.4	3.1 J,B	3.1 J	PG/L	TR/B1
W4-WO100-0315-1	L1594359-10	WO	N	1	2,2',3,3',4,4'-HEXACHLOROBIPHENYL	0.33	0.78 J,M	0.78 J	PG/L	TR/G4/S

Automated Data Review Detail Report for L1594359

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Detected Results

Test Method: E1668C		Extraction Method: METHOD			Leach Method: NONE					
FieldSample ID	LabSample ID	Matrix	Type	Dilution	Analyte	MDL	Lab Result	Qualified Result	Units	Reason
W4-WO100-0315-1	L1594359-10	WO	N	5	2,2',3,4',5',6-HEXACHLOROBIPHENYL	1.6	4.3 J,M	4.3 J	PG/L	B1/TR/K1/G4/
W4-WO100-0315-1	L1594359-10	WO	N	1	2,2',3,4,5'-PENTACHLOROBIPHENYL/2,3',4,4',6-Pentachlorobiphenyl	0.16	3.1 J	3.1 J	PG/L	TR/B1/S
W4-WO100-0315-1	L1594359-10	WO	N	1	2,2',3,5,5',6-HEXACHLOROBIPHENYL	0.13	1.4 J,M	1.4 J	PG/L	TR/G4/K1
W4-WO100-0315-1	L1594359-10	WO	N	1	2,2',4,5,5'-PENTACHLOROBIPHENYL	0.19	3.5 J	4.1 J	PG/L	B1/K1/TR/S
W4-WO100-0315-1	L1594359-10	WO	N	1	2,2',4,5'-TETRACHLOROBIPHENYL	0.52	1.2 J,M	1.2 J	PG/L	TR/G4/S
W4-WO100-0315-1	L1594359-10	WO	N	1	2,3,3',4,4'-PENTACHLOROBIPHENYL	0.20	1.1 J,M	1.1 J	PG/L	B1/TR/G4/S
W4-WO100-0315-1	L1594359-10	WO	N	1	2,3,3',4',6-PENTACHLOROBIPHENYL	0.15	5.0 J	5.0 J	PG/L	B1/TR/S
W4-WO100-0315-1	L1594359-10	WO	N	1	2,3',4,4',5-PENTACHLOROBIPHENYL	0.29	3.6 J	3.6 J	PG/L	K1/B1/TR/S
W4-WO100-0315-1	L1594359-10	WO	N	1	2,3',4,4'-TETRACHLOROBIPHENYL	0.67	1.5 J,B	1.5 J	PG/L	K1/S/TR
W4-WO100-0315-1	L1594359-10	WO	N	1	PCB061/070/074/076	0.73	2.9 J,B	2.9 J	PG/L	TR/B1/S
W4-WO195-0315-1	L1594359-11	WO	N	1	2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	0.65	1.7 J,M	1.7 J	PG/L	TR/G4
W4-WO195-0315-1	L1594359-11	WO	N	1	2,2',3,3',4,4',5-HEPTACHLOROBIPHENYL	0.32	1.0 J	1.0 J	PG/L	TR
W4-WO195-0315-1	L1594359-11	WO	N	1	2,2',3,3',4,4'-HEXACHLOROBIPHENYL	0.20	0.97 J,M	0.97 J	PG/L	TR/G4
W4-WO195-0315-1	L1594359-11	WO	N	1	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	0.23	5.5 J,M	5.5 J	PG/L	K1/TR/G4
W4-WO195-0315-1	L1594359-11	WO	N	1	2,2',3,4',5',6-HEXACHLOROBIPHENYL	0.24	4.5 J	4.5 J	PG/L	B1/TR/K1
W4-WO195-0315-1	L1594359-11	WO	N	1	2,2',3,4,5'-PENTACHLOROBIPHENYL/2,3',4,4',6-Pentachlorobiphenyl	0.15	5.6 J	5.6 J	PG/L	TR/B1
W4-WO195-0315-1	L1594359-11	WO	N	1	2,2',3,5,5',6-HEXACHLOROBIPHENYL	0.16	1.8 J,M	1.8 J	PG/L	TR/G4/K1
W4-WO195-0315-1	L1594359-11	WO	N	1	2,2',3,5'-TETRACHLOROBIPHENYL	0.20	6.8 J	6.8 J	PG/L	B1/TR
W4-WO195-0315-1	L1594359-11	WO	N	1	2,2',4,5'-TETRACHLOROBIPHENYL	0.18	3.2 J	3.2 J	PG/L	TR
W4-WO195-0315-1	L1594359-11	WO	N	1	2,2',5,5'-TETRACHLOROBIPHENYL	0.20	5.9 J	5.9 J	PG/L	K1/B1/TR
W4-WO195-0315-1	L1594359-11	WO	N	1	2,3,3',4,4'-PENTACHLOROBIPHENYL	0.21	2.7 J,B	2.7 J	PG/L	B1/TR
W4-WO195-0315-1	L1594359-11	WO	N	1	2,3,3',4',6-PENTACHLOROBIPHENYL	0.14	9.8 J	9.8 J	PG/L	B1/TR
W4-WO195-0315-1	L1594359-11	WO	N	1	2,3',4,4',5-PENTACHLOROBIPHENYL	0.27	7.0 J	7.0 J	PG/L	K1/B1/TR
W4-WO195-0315-1	L1594359-11	WO	N	1	2,3',4,4'-TETRACHLOROBIPHENYL	0.25	4.7 J,B	4.7 J	PG/L	K1/TR
W4-WO195-0315-1	L1594359-11	WO	N	1	2,4,4'-TRICHLOROBIPHENYL	0.25	5.4 J	5.4 J	PG/L	B1/TR

Automated Data Review Detail Report for L1594359

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Detected Results

Test Method: E1668C		Extraction Method: METHOD			Leach Method: NONE					
FieldSample ID	LabSample ID	Matrix	Type	Dilution	Analyte	MDL	Lab Result	Qualified Result	Units	Reason
W4-WO195-0315-1	L1594359-11	WO	N	1	2,4',5-TRICHLOROBIPHENYL	0.23	3.8 J	3.8 J	PG/L	B1/TR
W4-WO195-0315-1	L1594359-11	WO	N	1	3,3',4,4'-TETRACHLOROBIPHENYL	0.30	0.37 J,M	0.37 J	PG/L	TR/G4
W4-WO195-0315-1	L1594359-11	WO	N	1	PCB061/070/074/076	0.27	7.3 J,B	7.3 J	PG/L	TR/B1
W4-WO198-0315-1	L1594359-12	WO	N	1	2,2',3,3',4,4',5-HEPTACHLOROBIPHENYL	0.24	0.40 J,M	0.40 J	PG/L	TR/G4
W4-WO198-0315-1	L1594359-12	WO	N	1	2,2',3,3',4,4'-HEXACHLOROBIPHENYL	0.23	0.24 J,M	0.24 J	PG/L	TR/G4
W4-WO198-0315-1	L1594359-12	WO	N	1	2,2',4,5'-TETRACHLOROBIPHENYL	0.13	1.1 J	1.1 J	PG/L	TR
W4-WO198-0315-1	L1594359-12	WO	N	1	2,3,3',4',6-PENTACHLOROBIPHENYL	0.17	2.0 J,M	2.0 J	PG/L	B1/TR/G4
W4-WO198-0315-1	L1594359-12	WO	N	1	2,3',4,4'-TETRACHLOROBIPHENYL	0.25	1.0 J,M	1.0 J	PG/L	K1/TR/G4
W4-WO198-0315-1	L1594359-12	WO	N	1	3,3',4,4'-TETRACHLOROBIPHENYL	0.32	0.40 J,B	0.40 J	PG/L	TR
W4-WO5-0315-1	L1594359-9	WO	N	1	2,2',3,4',5',6-HEXACHLOROBIPHENYL	0.28	1.5 J,M	1.5 J	PG/L	B1/TR/K1/G4/S
W4-WO5-0315-1	L1594359-9	WO	N	1	2,2',4,5,5'-PENTACHLOROBIPHENYL	0.16	2.7 J	2.7 J	PG/L	B1/K1/TR/S
W4-WO5-0315-1	L1594359-9	WO	N	1	2,2',4,5'-TETRACHLOROBIPHENYL	0.24	1.8 J,M	1.8 J	PG/L	S/TR/G4
W4-WO5-0315-1	L1594359-9	WO	N	1	2,2',5,5'-TETRACHLOROBIPHENYL	0.26	4.2 J	4.2 J	PG/L	K1/B1/TR/S
W4-WO5-0315-1	L1594359-9	WO	N	1	2,2',5-TRICHLOROBIPHENYL	0.23	5.2 J,M	5.2 J	PG/L	K1/B1/TR/G4/S
W4-WO5-0315-1	L1594359-9	WO	N	1	2,3,3',4',6-PENTACHLOROBIPHENYL	0.15	2.5 J	2.5 J	PG/L	B1/TR/S
W4-WO5-0315-1	L1594359-9	WO	N	1	2,3',4,4'-TETRACHLOROBIPHENYL	0.33	1.5 J,B	1.5 J	PG/L	K1/S/TR
W4-WO5-0315-1	L1594359-9	WO	N	1	2,4,4'-TRICHLOROBIPHENYL	0.21	5.7 J	5.7 J	PG/L	B1/TR/S
W4-WO5-0315-1	L1594359-9	WO	N	1	2,4',5-TRICHLOROBIPHENYL	0.19	4.4 J	4.4 J	PG/L	B1/TR/S
W4-WO5-0315-1	L1594359-9	WO	N	1	2,4'-DICHLOROBIPHENYL	2.5	8.8 J	8.8 J	PG/L	B1/TR/S
W4-WO5-0315-1	L1594359-9	WO	N	1	PCB061/070/074/076	0.36	3.0 J,B	3.0 J	PG/L	S/TR/B1
WQ-ER1-0315-1	L1594359-17	WQ	EB	1	2,2',3,3',4,5',6'-HEPTACHLOROBIPHENYL	0.89	1.0 J	1.0 J	PG/L	TR
WQ-ER1-0315-1	L1594359-17	WQ	EB	1	2,2',3,4,4',5,5'-HEPTACHLOROBIPHENYL	0.77	3.4 J	3.4 J	PG/L	B1/TR
WQ-ER1-0315-1	L1594359-17	WQ	EB	1	2,2',3,4,4',5',6'-HEPTACHLOROBIPHENYL	0.73	0.76 J,M	0.76 J	PG/L	TR/G4/B1
WQ-ER1-0315-1	L1594359-17	WQ	EB	1	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	0.46	3.5 J,M	3.5 J	PG/L	B1/TR/G4
WQ-ER1-0315-1	L1594359-17	WQ	EB	1	2,2',3,4',5,5',6'-HEPTACHLOROBIPHENYL	0.80	2.9 J,M	2.9 J	PG/L	B1/TR/G4

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Component Palos Verdes Shelf, Los Angeles County, California

Detected Results

Test Method: E1668C		Extraction Method: METHOD			Leach Method: NONE					
FieldSample ID	LabSample ID	Matrix	Type	Dilution	Analyte	MDL	Lab Result	Qualified Result	Units	Reason
WQ-ER1-0315-1	L1594359-17	WQ	EB	5	2,2',3,4',5',6-HEXACHLOROBIPHENYL	1.0	2.2 J,M	2.2 J	PG/L	TR/G4
WQ-ER1-0315-1	L1594359-17	WQ	EB	1	2,2',3,4,5'-PENTACHLOROBIPHENYL/2,3',4,4',6-Pentachlorobiphenyl	0.076	1.3 J,M	1.3 J	PG/L	TR/G4
WQ-ER1-0315-1	L1594359-17	WQ	EB	1	2,2',3,5,5',6-HEXACHLOROBIPHENYL	0.20	0.83 J,M	0.83 J	PG/L	TR/G4
WQ-ER1-0315-1	L1594359-17	WQ	EB	1	2,2',4,4',5,5'-HEXACHLOROBIPHENYL/2,3',4,4',5',6-HEXACHLOROBIPHENYL	0.37	5.6 J	5.6 J	PG/L	TR/B1
WQ-ER1-0315-1	L1594359-17	WQ	EB	1	2,2',4,5,5'-PENTACHLOROBIPHENYL	0.077	1.6 J,M	1.6 J	PG/L	TR/G4
WQ-ER1-0315-1	L1594359-17	WQ	EB	1	2,2',5,5'-TETRACHLOROBIPHENYL	0.47	2.1 J	2.1 J	PG/L	TR
WQ-ER1-0315-1	L1594359-17	WQ	EB	1	2,2',5-TRICHLOROBIPHENYL	0.25	2.7 J	2.7 J	PG/L	TR
WQ-ER1-0315-1	L1594359-17	WQ	EB	1	2,3,3',4,4',5'-Hexachlorobiphenyl/2,3,3',4,4',5'-Hexachlorobiphenyl	0.36	0.70 J,M	0.70 J	PG/L	B1/TR/G4
WQ-ER1-0315-1	L1594359-17	WQ	EB	1	2,3,3',4,4',6-HEXACHLOROBIPHENYL	0.32	0.39 J,M	0.39 J	PG/L	TR/G4
WQ-ER1-0315-1	L1594359-17	WQ	EB	1	2,3,3',4,4'-PENTACHLOROBIPHENYL	0.19	0.89 J,M	0.89 J	PG/L	TR/G4
WQ-ER1-0315-1	L1594359-17	WQ	EB	1	2,3,3',4',6-PENTACHLOROBIPHENYL	0.071	1.8 J,M	1.8 J	PG/L	TR/G4
WQ-ER1-0315-1	L1594359-17	WQ	EB	1	2,3',4,4',5,5'-HEXACHLOROBIPHENYL	0.38	0.76 J	0.76 J	PG/L	B1
WQ-ER1-0315-1	L1594359-17	WQ	EB	1	2,3',4,4',5-PENTACHLOROBIPHENYL	0.25	2.7 J	2.7 J	PG/L	TR
WQ-ER1-0315-1	L1594359-17	WQ	EB	1	2,3',4,4'-TETRACHLOROBIPHENYL	0.60	0.85 J,B	0.85 J	PG/L	
WQ-ER1-0315-1	L1594359-17	WQ	EB	5	2,4',5-TRICHLOROBIPHENYL	1.5	1.9 J,M	1.9 J	PG/L	TR/G4

Test Method: E1699		Extraction Method: METHOD			Leach Method: NONE					
FieldSample ID	LabSample ID	Matrix	Type	Dilution	Analyte	MDL	Lab Result	Qualified Result	Units	Reason
BA7C-WO30-0315-1	L1594359-14	WO	N	1	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0014	0.042	0.042	NG/L	
BA7C-WO30-0315-1	L1594359-14	WO	N	1	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.025	0.23 M	0.23	NG/L	
BA7C-WO30-0315-1	L1594359-14	WO	N	1	o,p'-DDE	0.0085	0.20	0.20 J	NG/L	C11
BA7C-WO30-0315-1	L1594359-14	WO	N	1	p,p'-DDD	0.018	0.077	0.077	NG/L	
BA7C-WO30-0315-1	L1594359-14	WO	N	1	p,p'-DDE	0.0084	0.67 B	0.67 J	NG/L	B1

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Detected Results

Test Method: E1699		Extraction Method: METHOD			Leach Method: NONE					
FieldSample ID	LabSample ID	Matrix	Type	Dilution	Analyte	MDL	Lab Result	Qualified Result	Units	Reason
BA7C-WO5-0315-1	L1594359-13	WO	N	1	o,p'-DDE	0.013	0.014 J,M	0.014 J	NG/L	TR/C11/G4
BA7C-WO55-0315-1	L1594359-15	WO	N	1	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0010	0.0022 J	0.0022 J	NG/L	TR
BA7C-WO55-0315-1	L1594359-15	WO	N	1	o,p'-DDE	0.0039	0.0074 J	0.0074 J	NG/L	TR/C11
BA8C-WO30-0315-1	L1594359-19	WO	N	1	o,p'-DDE	0.0037	0.0074 J	0.0074 J	NG/L	TR/C11
BA8C-WO55-0315-1	L1594359-20	WO	N	1	o,p'-DDE	0.0025	0.0056 J	0.0056 J	NG/L	TR/C11
BA8C-WO55-0315-1	L1594359-20	WO	N	1	p,p'-DDE	0.0060	0.29 B	0.29 J	NG/L	B1
BA8C-WO58-0315-1	L1594359-21	WO	FR	1	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.0081	0.0099 J,M	0.0099 J	NG/L	D5/TR/C11/G4
BA8C-WO58-0315-1	L1594359-21	WO	FR	1	o,p'-DDE	0.0064	0.016 J	0.016 J	NG/L	D5/TR/C11
BA8C-WO58-0315-1	L1594359-21	WO	FR	1	p,p'-DDE	0.013	0.37 B	0.37 J	NG/L	D5/B1
BA8C-WO58-0315-2	L1594359-23	WO	N	1	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0007	0.0021 J	0.0021 J	NG/L	D5/TR
BA8C-WO58-0315-2	L1594359-23	WO	N	1	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.011	0.029 J	0.029 J	NG/L	D5/TR
BA8C-WO58-0315-2	L1594359-23	WO	N	1	o,p'-DDE	0.0043	0.025	0.025 J	NG/L	D5/C11
BA8C-WO58-0315-2	L1594359-23	WO	N	1	p,p'-DDE	0.0074	0.21 B	0.21 J	NG/L	D5/B1
BA8C-WO58-0315-3	L1594359-25	WO	FD	1	o,p'-DDE	0.014	0.017 J,M	0.017 J	NG/L	D5/TR/C11/G4
BA9DC-WO20-0315-1	L1594359-2	WO	N	1	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0007	0.0025 J	0.0025 J	NG/L	TR
BA9DC-WO20-0315-1	L1594359-2	WO	N	1	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.013	0.022 J	0.022 J	NG/L	TR/C11
BA9DC-WO20-0315-1	L1594359-2	WO	N	1	o,p'-DDE	0.0029	0.011 J	0.011 J	NG/L	L/TR
BA9DC-WO20-0315-1	L1594359-2	WO	N	1	p,p'-DDE	0.012	0.14 B	0.14 J	NG/L	B1
BA9DC-WO35-0315-1	L1594359-3	WO	N	1	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0006	0.0035 J	0.0035 J	NG/L	TR
BA9DC-WO35-0315-1	L1594359-3	WO	N	1	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.013	0.030 M	0.030 J	NG/L	C11
BA9DC-WO35-0315-1	L1594359-3	WO	N	1	o,p'-DDE	0.0031	0.017 J	0.017 J	NG/L	L/TR/C11
BA9DC-WO35-0315-1	L1594359-3	WO	N	1	p,p'-DDE	0.011	0.15 B	0.15 J	NG/L	B1
BA9DC-WO38-0315-1	L1594359-4	WO	FR	1	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0007	0.0034 J	0.0034 J	NG/L	D5/TR
BA9DC-WO38-0315-1	L1594359-4	WO	FR	1	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.0094	0.030 M	0.030 J	NG/L	D5/C11
BA9DC-WO38-0315-1	L1594359-4	WO	FR	1	o,p'-DDE	0.0034	0.022 J	0.022 J	NG/L	D5/L/TR/C11

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Component Palos Verdes Shelf, Los Angeles County, California

Detected Results

Test Method: E1699		Extraction Method: METHOD			Leach Method: NONE					
FieldSample ID	LabSample ID	Matrix	Type	Dilution	Analyte	MDL	Lab Result	Qualified Result	Units	Reason
BA9DC-WO38-0315-1	L1594359-4	WO	FR	1	p,p'-DDD	0.0067	0.014 J	0.014 J	NG/L	D5/TR
BA9DC-WO38-0315-1	L1594359-4	WO	FR	1	p,p'-DDE	0.013	0.11 B	0.11 J	NG/L	D5/B1
BA9DC-WO38-0315-2	L1594359-6	WO	N	1	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0007	0.0010 J,M	0.0010 J	NG/L	D5/TR/G4
BA9DC-WO38-0315-2	L1594359-6	WO	N	1	o,p'-DDE	0.0032	0.0046 J	0.0046 J	NG/L	D5/L/TR/C11
BA9DC-WO38-0315-2	L1594359-6	WO	N	1	p,p'-DDE	0.012	0.041 B	0.041 J	NG/L	D5/B1
BA9DC-WO38-0315-3	L1594359-8	WO	FD	1	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0006	0.0023 J	0.0023 J	NG/L	D5/TR
BA9DC-WO38-0315-3	L1594359-8	WO	FD	1	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.0074	0.019 J	0.019 J	NG/L	D5/TR/C11
BA9DC-WO38-0315-3	L1594359-8	WO	FD	1	o,p'-DDE	0.0017	0.013 J	0.013 J	NG/L	D5/L/TR/C11
BA9DC-WO38-0315-3	L1594359-8	WO	FD	1	p,p'-DDD	0.0038	0.0070 J	0.0070 J	NG/L	D5/TR
BA9DC-WO38-0315-3	L1594359-8	WO	FD	1	p,p'-DDE	0.0033	0.061 B	0.061 J	NG/L	D5/B1
BA9DC-WO5-0315-1	L1594359-1	WO	N	1	o,p'-DDE	0.0034	0.0041 J	0.0041 J	NG/L	L/TR
W4-WO100-0315-1	L1594359-10	WO	N	1	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0008	0.0014 J	0.0014	NG/L	
W4-WO100-0315-1	L1594359-10	WO	N	1	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.0099	0.016 J	0.016 J	NG/L	C11
W4-WO100-0315-1	L1594359-10	WO	N	1	o,p'-DDE	0.0054	0.018 J	0.018 J	NG/L	L/C11
W4-WO100-0315-1	L1594359-10	WO	N	1	p,p'-DDE	0.019	0.12 J	0.12 J	NG/L	B1
W4-WO195-0315-1	L1594359-11	WO	N	1	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0006	0.017 J	0.017 J	NG/L	TR
W4-WO195-0315-1	L1594359-11	WO	N	1	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.0097	0.14	0.14 J	NG/L	C11
W4-WO195-0315-1	L1594359-11	WO	N	1	o,p'-DDE	0.0039	0.082	0.082 J	NG/L	L/C11
W4-WO195-0315-1	L1594359-11	WO	N	1	p,p'-DDD	0.012	0.026 M	0.026 J	NG/L	G4
W4-WO195-0315-1	L1594359-11	WO	N	1	p,p'-DDE	0.010	0.43	0.43 J	NG/L	B1
W4-WO198-0315-1	L1594359-12	WO	N	1	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0004	0.0022 J	0.0022 J	NG/L	TR
W4-WO198-0315-1	L1594359-12	WO	N	1	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.010	0.026	0.026 J	NG/L	C11
W4-WO198-0315-1	L1594359-12	WO	N	1	o,p'-DDE	0.0026	0.0044 J	0.0044 J	NG/L	L/TR/C11
W4-WO198-0315-1	L1594359-12	WO	N	1	p,p'-DDE	0.0099	0.10 B	0.10 J	NG/L	B1
W4-WO5-0315-1	L1594359-9	WO	N	1	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0005	0.0010 J	0.0010 J	NG/L	TR
W4-WO5-0315-1	L1594359-9	WO	N	1	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.0059	0.0062 J,M	0.0062 J	NG/L	TR/C11/G4/C11

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Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Detected Results

Test Method: E1699		Extraction Method: METHOD			Leach Method: NONE					
FieldSample ID	LabSample ID	Matrix	Type	Dilution	Analyte	MDL	Lab Result	Qualified Result	Units	Reason
W4-WO5-0315-1	L1594359-9	WO	N	1	o,p'-DDE	0.0033	0.0097 J	0.0097 J	NG/L	L/TR/C11
W4-WO5-0315-1	L1594359-9	WO	N	1	p,p'-DDE	0.010	0.093 B	0.093	NG/L	B1

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Rejected Results

--No Records Found--

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Component Palos Verdes Shelf, Los Angeles County, California

Review Questions

Method: E1668C				
Review Questions	Yes	No	NA	Comment
Stage 2 Review: COC - Custody Trail?	•			
Stage 2 Review: COC - Temperature/Condition?	•			
Stage 2 Review: COC - Receipt anomalies?	•			See SDG comment
Stage 2 Review: COC - Sample/Methods checked?	•			
Stage 2 Review: Case Narrative - Anomalies?	•			The PCB portion of the extract underwent acid/silica gel and alumina chromatography cleanup prior to concentration to 15 uL volume. A solution of the 1668C injection standards was added to the extract to provide a final volume of 20 uL for instrumental analysis for PCB via 1668C. For Client Sample ID BA8C-WO5-0315-1, the sample cap was broken during shipping and a small volume of sample was lost. Gilbane was notified and the analyses were cancelled.
Stage 2 Review: Samples - Collection date?	•			03/31/2015
Stage 2 Review: Samples - Extraction date?	•			04/06/2015 and 04/07/2015
Stage 2 Review: Samples - Analysis date?	•			05/17/2015, 06/08/2015, and 06/09/2015
Stage 2 Review: Samples - Holding time?	•			
Stage 2 Review: Samples - Batching?	•			WG2064239 and WG2065187
Stage 2 Review: Samples - Surrogate recoveries?			•	
Stage 2 Review: Samples - Lab qualifiers?	•			J-Flag: Result >= MDL, <= RL. R-flag: ion abundance criteria not met. M-flag: peak was manually integrated. B-flag: analyte detected in the blank >10% of sample concentration.
Stage 2 Review: Samples - Internal Standard recoveries?		•		Consistently low extraction standard recoveries were noted for BA8C-WO58-0315-3, which is the field duplicate associated with BA8C-WO58-0315-2. All detected results are qualified as estimated concentrations with a low bias (J-) and non-detected results are qualified as having estimated reporting limits (UJ). Two extraction standard recoveries each were lower than control limits in Client Sample IDs W4-WO5-0315-1 and W4-WO100-0315-1. All detected results are qualified as estimated concentrations (J) and non-detected results are qualified as having estimated reporting limits (UJ).
Stage 2 Review: Calibration - ICAL?	•			
Stage 2 Review: Calibration - ICV?	•			
Stage 2 Review: Calibration - CCV?	•			
Stage 2 Review: Instrument - Tune?	•			

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Method: E1668C

Review Questions	Yes	No	NA	Comment
Stage 2 Review: Blank - Method blank?				In Blank WG2064239-1, the following analytes were detected. Associated sample results detected at a concentration less than the concentration in the method blank are flagged as not-detected (U) and the reporting limit has been raised to the concentration detected in the blank. Associated results detected at concentrations greater than the concentration in the method blank are flagged for potential high bias (J+). PCB-008 (7.34 pg/L), PCB-018/30 (5.06 pg/L), PCB-31 (3.68 pg/L), PCB-20/28 (4.53 pg/L), PCB-37 (1.62 pg/L), PCB-52 (3.63 pg/L), PCB-44 (4.01 pg/L), PCB-61 (2.34 pg/L), PCB-90/101/113 (1.97 pg/L), PCB-86/87/97/109/119/125 (1.4 pg/L), PCB-85/110/115/116/117 (1.97 pg/L), PCB-118 (1.91 pg/L), PCB-114 (0.644 pg/L), PCB-105 (1.06 pg/L), PCB-147/149 (1.26 pg/L), PCB-153 /168 (1.81 pg/L), and PCB-156/157 (1.21 pg/L).
				In Blank WG2065187-11, the following analytes were detected. Associated sample results detected at a concentration less than the concentration in the method blank are flagged as not-detected (U) and the reporting limit has been raised to the concentration detected in the blank. Associated results detected at concentrations greater than the concentration in the method blank are flagged for potential high bias (J+). PCB-008 (4.13 pg/L), PCB-20/28 (2.81 pg/L), PCB-37 (0.885 pg/L), PCB-49/69 (1.22 pg/L), PCB-44/47/65 (2.77 pg/L), PCB-61/70/74/76 (2.18 pg/L), PCB-90/101/113 (1.28 pg/L), PCB-118 (1.91 pg/L), PCB-158/163 (2.27 pg/L), PCB-129/138/163 (1.93 pg/L), PCB-128/166 (0.294 pg/L), PCB-167 (0.243 pg/L), PCB-156/157 (0.673 pg/L), PCB-187 (0.911 pg/L), PCB-183 (0.386 pg/L), and PCB-180/193 (1.33 pg/L).

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Review Questions

Method: E1668C				
Review Questions	Yes	No	NA	Comment
Stage 2 Review: Blank - Equipment blank?		•		For Equipment Blank Sample ID WQ-ER-0315-1 (collected on 03/31/2015), numerous analytes were detected; however, some of the equipment blank detections were qualified as not-detected due to method blank contamination. Because two separate method blanks are associated with the analyses of client samples in this SDG, the equipment blank assessment is different for each analytical batch. For this SDG, the following PCBs were assessed for equipment blank contamination, with qualification depending on the associated method blank contamination. If there were detections of an analyte in both the equipment blank and the associated method blank, the highest blank concentration was used as the updated MDL.PCB-018 (2.72 pg/L)PCB-052 (2.14 pg/L)PCB-086/87/97 (1.3 pg/L)PCB-085/110/115/116/117 (1.8 pg/L)PCB-101 (1.6 pg/L)PCB-105 (0.89 pg/L)PCB-110 (1.8 pg/L)PCB-129/138 (3.5 pg/L)PCB-156/157 (0.7 pg/L)PCB-158 (0.39 pg/L)PCB-167 (0.76 pg/L)PCB-177 (1.03 pg/L)PCB-183 (0.76 pg/L)PCB-187 (2.9 pg/L)PCB-031 (1.9 pg/L)PCB-066 (0.846 pg/L)PCB-118 (2.7 pg/L)PCB-138 (3.5 pg/L)PCB-153/168 (5.62pg/L)PCB-147/149 (2.2 pg/L)PCB-151 (0.83 pg/L)PCB-180/193 (3.44 pg/L)Associated sample results detected at a concentration less than the concentration in the equipment blank are flagged as not-detected (U); associated /results detected at concentrations greater than the concentration in the equipment blank are flagged for potential high bias (J+).
Stage 2 Review: Precision/Accuracy - LCS/LCSD?		•		Precision analyses are not required by the method. For overall project precision, all project LCS spike recoveries were statistically evaluated as a single data set and appear acceptable.)
Stage 2 Review: Precision/Accuracy - Lab Replicate?			•	
Stage 2 Review: Precision/Accuracy - MS/MSD?			•	
Stage 2 Review: Quantitation - PQLs?	•			
Stage 2 Review: Quantitation - Dilution Factor?	•			The following Client Sample IDs were analyzed at dilutions in order to appropriately quantitate the target compounds with the highest concentrations: BA9DC-WO5-0315-1: 5x BA9DC-WO20-0315-1: 5x BA9DC-WO35-0315-1: 5x BA9DC-WO38-0315-2: 5x BA9DC-WO38-0315-3: 5x W4-WO5-0315-1: 5x W4-WO100-0315-1: 5x W4-WO195-0315-1: 5x W4-WO198-0315-1: 5x

Automated Data Review Detail Report for L1594359

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Review Questions

Method: E1668C

Review Questions	Yes	No	NA	Comment
Stage 2 Review: Quantitation - Results (i.e. correct analytes, RTs)?		•		One or more sample results were reported by the laboratory as not-detected with a laboratory data flag of "R" and an EMPC value (indicating that ion abundance criteria were not met). For those results, the "PARVQ" was changed to "C", the "<" parameter was removed, and the results are qualified as estimated concentrations. Four PCB compounds co-eluted and were reported as combined analytes: PCB-70 and -74, PCB -87 and -119, PCB-153 and -168, and PCB-156 and -157.
Stage 2 Review: Quantitation - Column/Detector RPD?			•	
Stage 2 Review: Field Duplicates - RPD within limits?		•		Two field duplicate samples were included in this SDG: BA8C-WO58-0315-2(NS)/-3(FD) and BA9DC-WO38-0315-2(NS)/-3(FD). For Client Sample ID BA9DC-WO38-0315, the sample results (for the normal sample and the field duplicate) for six analytes (PCB-110, PCB-128, PCB-049, PCB-061/070/074, PCB-66, and PCB-209) are qualified as estimated concentrations (J/UJ) due to poor field duplicate precision. For Client Sample ID BA8C-WO58-0315, the sample results (for the normal sample and the field duplicate) for eight analytes (PCB-156/157, PCB-170, PCB-203, PCB-028, PCB-037, PCB-061/070/074, PCB-066, and PCB-099) are qualified as estimated concentrations (UJ/J) due to poor precision.

Automated Data Review Detail Report for L1594359

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Review Questions

Method: E1699				
Review Questions	Yes	No	NA	Comment
Stage 2 Review: COC - Custody Trail?	•			
Stage 2 Review: COC - Temperature/Condition?	•			
Stage 2 Review: COC - Receipt anomalies?	•			See SDG Comment.
Stage 2 Review: COC - Sample/Methods checked?	•			
Stage 2 Review: Case Narrative - Anomalies?	•			For Client Sample ID BA8C-WO5-0315-1, the sample cap was broken during shipping and a small volume of sample was lost. Gilbane was notified and the analyses were cancelled.
Stage 2 Review: Samples - Collection date?	•			03/31/2015
Stage 2 Review: Samples - Extraction date?	•			04/06/2015 and 04/07/2015
Stage 2 Review: Samples - Analysis date?	•			05/06/2015, 05/07/2015, 05/08/2015, 05/09/2015, and 05/11/2015
Stage 2 Review: Samples - Holding time?	•			
Stage 2 Review: Samples - Batching?	•			WG2064239 and WG2065187
Stage 2 Review: Samples - Surrogate recoveries?			•	
Stage 2 Review: Samples - Lab qualifiers?	•			J-Flag: Result >= MDL, <= RL. R-flag: ion abundance criteria not met. M-flag: peak was manually integrated. B-flag: analyte detected in the blank >10% of sample concentration.
Stage 2 Review: Samples - Internal Standard recoveries?		•		Several extraction standard recoveries were low. For all project samples, only one of four standard recoveries did not meet criteria; therefore, qualification of data is not warranted.
Stage 2 Review: Calibration - ICAL?	•			
Stage 2 Review: Calibration - ICV?	•			

Automated Data Review Detail Report for L1594359

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Review Questions

Method: E1699

Review Questions	Yes	No	NA	Comment
				High recoveries were noted for 2,4'-DDT in the following CCVs: H6-15-CCV-0270 (141%) and H6-15-CCV-0271 (131%). Associated detected samples are qualified for potential high bias (J+).
				High recoveries were noted for 2,4'-DDE in the following CCVs: H6-15-CCV-0271 (126%), H6-15-CCV-0263 (132%), and H6-15-CCV-0264 (174%). Associated detected samples are qualified for potential high bias (J+).
Stage 2 Review: Calibration - CCV?		•		High recoveries were noted in several CCVs for 2,4'-DDT and 2,4'-DDD. Since all associated sample results were non-detect, qualification of data is not warranted.
				Low recoveries were noted for several analytes in the following CCVs. Associated samples are qualified for potential low bias (J-/UJ). H6-15-CCV-0270: 4,4'-DDMU (72%) H6-15-CCV-0271: 4,4'-DDMU (68%) H6-15-CCV-0272: 4,4'-DDMU (70%) H6-15-CCV-0274: 2,4'-DDT (65%)
Stage 2 Review: Blank - Method blank?		•		The following analytes were detected in Method Blanks: Blank ID WG2064239-1: 4,4'-DDE = 0.0337 ng/L Blank ID WG2065187-1: 4,4'-DDE = 0.207 ng/L Associated sample results detected at a concentration less than the concentration in the method blank are flagged as not-detected (U) and the reporting limit has been raised to the concentration detected in the blank. Associated results detected at concentrations greater than the concentration in the method blank are flagged for potential high bias (J+).
Stage 2 Review: Blank - Equipment blank?	•			Equipment Blank Sample ID WQ-ER-0315-1: 4,4'-DDT was reported in the sample, but was qualified as not-detected due to method blank contamination. No qualification of data is warranted.
Stage 2 Review: Instrument - Tune?	•			
Stage 2 Review: Instrument - Breakdown Standard?	•			
Stage 2 Review: Precision/Accuracy - Lab Replicates?			•	
Stage 2 Review: Precision/Accuracy - MS/MSD?			•	

Automated Data Review Detail Report for L1594359

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Review Questions

Method: E1699

Review Questions	Yes	No	NA	Comment
				For QC Sample WG2065187-2, high percent recoveries were noted for 2,4'-DDD (169%) and 2,4'-DDT (170%). All associated sample results were not detected, so qualification of data is not warranted.
Stage 2 Review: Precision/Accuracy - LCS/LCSD?		•		For QC Sample WG2064239-2, a high percent recovery was noted for 2,4'-DDE (128%). Associated detected results are qualified (J+) for potential high bias. Precision analyses are not required by the method. For overall project precision, all project LCS spike recoveries were statistically evaluated as a single data set and appear acceptable.
Stage 2 Review: Quantitation - PQLs?	•			
Stage 2 Review: Quantitation - Dilution Factor?			•	No dilutions.
Stage 2 Review: Quantitation - Results (i.e. correct analytes, RTs)?	•			
Stage 2 Review: Quantitation - Column/Detector RPD?			•	
				Two field triplicate samples were included in this SDG: BA8C-WO58-0315-1 (FR)/-2(NS)/-3(FD) and BA9DC-WO38-0315-1(FR)/-2(NS)/-3(FD). Precision was assessed by comparing the FR/NS sample results and the FD/NS sample results.
Stage 2 Review: Field Duplicates - RPD within limits?		•		For Client Sample ID BA9DC-WO38-0315, the sample results for five analytes (2,4'-DDE, 4,4'-DDD, 4,4'-DDE, 4,4'-DDNU, and 4,4'-DDMU) are qualified as estimated concentrations (J/UJ) due to poor precision. For Client Sample ID BA8C-WO58-0315, the sample results for four analytes (2,4'-DDE, 4,4'-DDE, 4,4'-DDNU, and 4,4'-DDMU) are qualified as estimated concentrations (J/UJ) due to poor precision.

Field Replicate Report
PV Shelf Ocean Water - 2015
SDG L1594359 - Method 1668C

Field Sample ID	Analyte	NS Value	FD Value	DIFF	AVE	RPD	CHECK	mdl	5x mdl
BA8C-WO58-0315-2	PCB101	2.59	2	0.59	2.295	25.7	OK	0.12	
BA8C-WO58-0315-2	PCB105	0	0	0	0	0.0	OK	0.16	
BA8C-WO58-0315-2	PCB110	3.08	3.43	-0.35	3.255	-10.8	OK	0.11	
BA8C-WO58-0315-2	PCB114	0	0	0	0	0.0	OK	0.18	
BA8C-WO58-0315-2	PCB118	3.42	3.52	-0.1	3.47	-2.9	OK	0.17	
BA8C-WO58-0315-2	PCB123	0	0	0	0	0.0	OK	0.18	
BA8C-WO58-0315-2	PCB126	0	0	0	0	0.0	OK	0.16	
BA8C-WO58-0315-2	PCB128	0	0	0	0	0.0	OK	2.94	
BA8C-WO58-0315-2	PCB138	3.68	5.06	-1.38	4.37	-31.6	OK	0.18	
BA8C-WO58-0315-2	PCB149	0	0	0	0	0.0	OK	1.2	
BA8C-WO58-0315-2	PCB151	1.1	0.96	0.14	1.03	13.6	OK	0.065	
BA8C-WO58-0315-2	PCB153/168	0	4.94	-4.94	2.47	-200.0	1x rule, OK	5.62	28.1
BA8C-WO58-0315-2	PCB156/157	0	0.76	-0.76	0.38	-200.0	<5x MDL, 1x rule, flag D5	0.41	2.05
BA8C-WO58-0315-2	PCB158	0	0	0	0	0.0	OK	0.24	
BA8C-WO58-0315-2	PCB167	0	0	0	0	0.0	OK	0.24	
BA8C-WO58-0315-2	PCB169	0	0	0	0	0.0	OK	0.13	
BA8C-WO58-0315-2	PCB170	0.73	0	0.73	0.365	200.0	<5x MDL, 1x rule, flag D5	0.18	0.9
BA8C-WO58-0315-2	PCB177	0	0	0	0	0.0	OK	0.72	
BA8C-WO58-0315-2	PCB18	0	0	0	0	0.0	OK	2.72	
BA8C-WO58-0315-2	PCB180	0	0	0	0	0.0	OK	0.15	
BA8C-WO58-0315-2	PCB183	0	0	0	0	0.0	OK	0.76	
BA8C-WO58-0315-2	PCB187	0	0	0	0	0.0	OK	2.9	
BA8C-WO58-0315-2	PCB189	0	0	0	0	0.0	OK	0.19	
BA8C-WO58-0315-2	PCB194	0	0	0	0	0.0	OK	0.38	
BA8C-WO58-0315-2	PCB195	0	0	0	0	0.0	OK	0.37	
BA8C-WO58-0315-2	PCB201	0	0	0	0	0.0	OK	0.11	
BA8C-WO58-0315-2	PCB203	0.23	0	0.23	0.115	200.0	<5x MDL, 1x rule, flag D5	0.17	0.85
BA8C-WO58-0315-2	PCB206	0	0	0	0	0.0	OK	1.5	
BA8C-WO58-0315-2	PCB209	0	0	0	0	0.0	OK	0.55	
BA8C-WO58-0315-2	PCB28	3	0	3	1.5	200.0	<5x MDL, 1x rule, flag D5	0.15	0.75

Field Replicate Report
PV Shelf Ocean Water - 2015
SDG L1594359 - Method 1668C

Field Sample ID	Analyte	NS Value	FD Value	DIFF	AVE	RPD	CHECK	mdl	5x mdl
BA8C-WO58-0315-2	PCB31	3.5	2.3	1.2	2.9	41.4	1x rule, OK	1.3	6.5
BA8C-WO58-0315-2	PCB37	1.31	0	1.31	0.655	200.0	<5x MDL, 1x rule, flag D5	0.21	1.05
BA8C-WO58-0315-2	PCB44	3.65	2.94	0.71	3.295	21.5	OK	0.25	
BA8C-WO58-0315-2	PCB49	1.3	1.22	0.08	1.26	6.3	OK	0.23	1.15
BA8C-WO58-0315-2	PCB52	3.27	2.17	1.1	2.72	40.4	OK	0.25	1.25
BA8C-WO58-0315-2	PCB61/70/74	3.25	0	3.25	1.625	200.0	<5x MDL, 1x rule, flag D5	0.37	1.85
BA8C-WO58-0315-2	PCB66	1.4	0	1.4	0.7	200.0	<5x MDL, 1x rule, flag D5	0.34	1.7
BA8C-WO58-0315-2	PCB77	0	0	0	0	0.0	OK	0.47	
BA8C-WO58-0315-2	PCB8	0	0	0	0	0.0	OK	4.13	
BA8C-WO58-0315-2	PCB81	0	0	0	0	0.0	OK	0.45	
BA8C-WO58-0315-2	PCB86/87/97	1.85	1.9	-0.05	1.875	-2.7	OK	0.12	
BA8C-WO58-0315-2	PCB99	1.26	0	1.26	0.63	200.0	<5x MDL, 1x rule, flag D5	0.86	4.3
BA9DC-WO38-0315-2	PCB101	0	0	0	0	0.0	OK	1.97	
BA9DC-WO38-0315-2	PCB105	0	0	0	0	0.0	OK	1.06	
BA9DC-WO38-0315-2	PCB110	0	2.8	-2.8	1.4	-200.0	<5x MDL, 1x rule, flag D5	1.97	9.85
BA9DC-WO38-0315-2	PCB114	0	0	0	0	0.0	OK	0.19	
BA9DC-WO38-0315-2	PCB118	0	0	0	0	0.0	OK	2.7	
BA9DC-WO38-0315-2	PCB123	0	0	0	0	0.0	OK	0.19	
BA9DC-WO38-0315-2	PCB126	0	0	0	0	0.0	OK	0.19	
BA9DC-WO38-0315-2	PCB128	0	0.42	-0.42	0.21	-200.0	<5x MDL, 1x rule, flag D5	0.24	1.2
BA9DC-WO38-0315-2	PCB138	0	0	0	0	0.0	OK	1.1	
BA9DC-WO38-0315-2	PCB149	0	0	0	0	0.0	OK	0.88	
BA9DC-WO38-0315-2	PCB151	0	0	0	0	0.0	OK	0.17	
BA9DC-WO38-0315-2	PCB153/168	0	0	0	0	0.0	OK	1.2	
BA9DC-WO38-0315-2	PCB156/157	0	0	0	0	0.0	OK	0.24	
BA9DC-WO38-0315-2	PCB158	0	0	0	0	0.0	OK	0.18	
BA9DC-WO38-0315-2	PCB167	0	0	0	0	0.0	OK	0.2	
BA9DC-WO38-0315-2	PCB169	0	0	0	0	0.0	OK	0.26	
BA9DC-WO38-0315-2	PCB170	0	0	0	0	0.0	OK	0.32	

Field Replicate Report
PV Shelf Ocean Water - 2015
SDG L1594359 - Method 1668C

Field Sample ID	Analyte	NS Value	FD Value	DIFF	AVE	RPD	CHECK	mdl	5x mdl
BA9DC-WO38-0315-2	PCB177	0	0	0	0	0.0	OK	0.3	
BA9DC-WO38-0315-2	PCB18	0	0	0	0	0.0	OK	1.4	
BA9DC-WO38-0315-2	PCB180	0	0	0	0	0.0	OK	0.41	
BA9DC-WO38-0315-2	PCB183	0	0	0	0	0.0	OK	0.26	
BA9DC-WO38-0315-2	PCB187	0	0	0	0	0.0	OK	0.31	
BA9DC-WO38-0315-2	PCB189	0	0	0	0	0.0	OK	0.3	
BA9DC-WO38-0315-2	PCB194	0	0	0	0	0.0	OK	0.19	
BA9DC-WO38-0315-2	PCB195	0	0	0	0	0.0	OK	0.2	
BA9DC-WO38-0315-2	PCB201	0	0	0	0	0.0	OK	0.13	
BA9DC-WO38-0315-2	PCB203	0	0	0	0	0.0	OK	0.18	
BA9DC-WO38-0315-2	PCB206	0	0	0	0	0.0	OK	1.9	
BA9DC-WO38-0315-2	PCB209	0.69	0	0.69	0.345	200.0	<5x MDL, 1x rule, flag D5	0.57	2.85
BA9DC-WO38-0315-2	PCB28	0	0	0	0	0.0	OK	4.53	
BA9DC-WO38-0315-2	PCB31	0	0	0	0	0.0	OK	2.3	
BA9DC-WO38-0315-2	PCB37	0	0	0	0	0.0	OK	0.33	
BA9DC-WO38-0315-2	PCB44	0	0	0	0	0.0	OK	4.01	
BA9DC-WO38-0315-2	PCB49	0	1.22	-1.22	0.61	-200.0	<5x MDL, 1x rule, flag D5	0.62	3.1
BA9DC-WO38-0315-2	PCB52	0	0	0	0	0.0	OK	3.63	
BA9DC-WO38-0315-2	PCB61/70/74	0	2.36	-2.36	1.18	-200.0	<5x MDL, 1x rule, flag D5	1.3	6.5
BA9DC-WO38-0315-2	PCB66	0	1.1	-1.1	0.55	-200.0	<5x MDL, 1x rule, flag D5	0.78	3.9
BA9DC-WO38-0315-2	PCB77	0	0	0	0	0.0	OK	1	
BA9DC-WO38-0315-2	PCB8	0	0	0	0	0.0	OK	1.4	
BA9DC-WO38-0315-2	PCB81	0	0	0	0	0.0	OK	0.96	
BA9DC-WO38-0315-2	PCB86/87/97	0	0	0	0	0.0	OK	0.54	
BA9DC-WO38-0315-2	PCB99	0	0	0	0	0.0	OK	0.6	

Field Triplicate Report
PV Shelf Ocean Water - 2015
SDG L1594359 - Method 1699

Field Sample ID	Analyte	FR Value	NS Value	DIFF	AVE	FR/NS RPD	MDL	5X MDL	CHECK
BA8C-WO58-0315-1/2	o,p'-DDD	0	0	0	0	0	0.013	0.065	ok
	o,p'-DDE	0.0156	0.0247	-0.0091	0.02015	-45.16129	0.0043	0.0215	<5X, 1x Rule - flag D5
	o,p'-DDT	0	0	0	0	0	0.021	0.105	ok
	p,p'-DDD	0	0	0	0	0	0.013	0.065	ok
	p,p'-DDE	0.367	0.209	0.158	0.288	54.86111111	0.0074	0.037	Flag D5
	p,p'-DDMU	0.0099	0.029	-0.0191	0.01945	-98.200514	0.011	0.055	<5X, 1x Rule - flag D5
	p,p'-DDNU	0	0.00214	-0.00214	0.00107	-200	0.00068	0.0034	<5X, 1x Rule - flag D5
	p,p'-DDT	0	0	0	0	0	0.036	0.18	ok
		FD Value	NS Value	DIFF	AVE	FD/NS RPD	MDL	5X MDL	CHECK
BA8C-WO58-0315-2/-3	o,p'-DDD	0	0	0	0	0	0.013	0.065	ok
	o,p'-DDE	0.017	0.0247	-0.0077	0.02085	-36.930456	0.0043	0.0215	Flag D5
	o,p'-DDT	0	0	0	0	0	0.021	0.105	ok
	p,p'-DDD	0	0	0	0	0	0.013	0.065	ok
	p,p'-DDE	0	0.209	-0.209	0.1045	-200	0.0074	0.037	Flag D5
	p,p'-DDMU	0	0.029	-0.029	0.0145	-200	0.011	0.055	<5X, 1x Rule - flag D5
	p,p'-DDNU	0	0.00214	-0.00214	0.00107	-200	0.00068	0.0034	<5X, 1x Rule - flag D5
	p,p'-DDT	0	0	0	0	0	0.036	0.18	ok

Field Triplicate Report
PV Shelf Ocean Water - 2015
SDG L1594359 - Method 1699

Field Sample ID	Analyte	FR Value	NS Value	DIFF	AVE	FR/NS RPD	MDL	5X MDL	CHECK
BA9DC-WO38-0315-1/-2	o,p'-DDD	0	0	0	0	0	0.014	0.07	ok
	o,p'-DDE	0.0223	0.0046	0.02	0.01345	131.598513	0.0032	0.016	<5X, 1x Rule - flag D5
	o,p'-DDT	0	0	0	0	0	0.011	0.055	ok
	p,p'-DDD	0.0135	0	0.01	0.00675	200	0.0083	0.0415	<5X, 1x Rule - flag D5
	p,p'-DDE	0.105	0.041	0.06	0.073	87.67123288	0.012	0.06	<5X, 1x Rule - flag D5
	p,p'-DDMU	0.0299	0	0.03	0.01495	200	0.0091	0.0455	<5X, 1x Rule - flag D5
	p,p'-DDNU	0.00335	0.00099	0	0.00217	108.7557604	0.00073	0.00365	<5X, 1x Rule - flag D5
	p,p'-DDT	0	0	0	0	0	0.0097	0.0485	ok
		FD Value	NS Value	DIFF	AVE	FD/NS RPD	MDL	5X MDL	CHECK
BA9DC-WO38-0315-2/-3	o,p'-DDD	0	0	0	0	0	0.014	0.07	ok
	o,p'-DDE	0.013	0.0046	0.01	0.0088	95.45454545	0.0032	0.016	<5X, 1x Rule - flag D5
	o,p'-DDT	0	0	0	0	0	0.011	0.055	ok
	p,p'-DDD	0.007	0	0.01	0.0035	200	0.0083	0.0415	<5X, 1x Rule - OK
	p,p'-DDE	0.0611	0.041	0.02	0.05105	39.37316357	0.012	0.06	<5X, 1x Rule - flag D5
	p,p'-DDMU	0.019	0	0.02	0.0095	200	0.0091	0.0455	<5X, 1x Rule - flag D5
	p,p'-DDNU	0.00229	0.00099	0	0.00164	79.26829268	0.00073	0.00365	<5X, 1x Rule - flag D5
	p,p'-DDT	0	0	0	0	0	0.0097	0.0485	ok

Facility: EPA, Region 9
 Event: PV Shelf Water
 Guidance Document: Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery Component Palos Verdes Shelf, Los Angeles County, California
 Contract Laboratory: ALS LAB GROUP, BURLINGTON, ON CANADA
 Field Contractor: Gilbane Company, Walnut Creek, CA
 Data Review Contractor: Veridian Environmental, Inc.
 SDG: L1675327, Certified - 5/27/2016 by wtse
 QC Level: S2BVEM
 Project Manager: Robert Lindfors
 Data Reviewer: Lynn Sandsor
 Data Reviewer Title: Senior Quality Assurance Chemist
 Date of Review Report: March 08, 2016
 Second Reviewer: Tracy Young
 Completion Date of Second Reviewer: August 11, 2016

Analytical Method/ Leach Method	Normal Water Samples	Field QC Water Samples
E1668C/NONE	27	
E1699/NONE	26	

This report assesses the analytical data quality associated with the analyses listed on the preceding cover page. This assessment has been made through a combination of automated data review (ADR) and supplemental manual review, the details of which are described below. The approach taken in the review of this data set is consistent with the requirements contained in the Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery Component Palos Verdes Shelf, Los Angeles County, California to the extent possible. Where definitive guidance is not provided, data has been evaluated in a conservative manner using professional judgment. In cases where two qualifiers are listed as an action, such as 'J/UJ', the first qualifier applies to positive results, and the second to non-detect results.

Samples were collected by Gilbane Company, Walnut Creek, CA; analyses were performed by ALS LAB GROUP, BURLINGTON, ON CANADA and were reported under sample delivery group (SDG) L1675327. Results have been evaluated electronically using electronic data deliverables (EDDs) provided by the laboratory. The laboratory data summary forms (hard copy) have been reviewed during this effort and compared to the automated review output. Findings based on the automated data submission and manual data verification processes are detailed in the ADR narrative.

The following quality control elements were supported by the electronic deliverable and were evaluated during this review effort:

- Blank
- Blank - Negative
- LCS Recovery
- Prep Hold Time
- Surrogate
- Test Hold Time

The following quality control elements were either not applicable to the deliverable, or were not supported by the electronic deliverable, and were therefore not included in the automated data review. Those elements required for the project were reviewed manually, as narrated in the Comment section below.

- Ambient Blank
- Calibration Blank
- Calibration Blank - Negative
- Continuing Calibration Verification
- Equipment Blank
- Field Blank
- Field Duplicate
- Initial Calibration Verification
- Lab Replicate RPD
- Material Blank
- MS Recovery
- MS RPD
- Negative Blank
- Trip Blank

A representative sampling or ten percent of sample and QC results were manually evaluated for compliance with project specific requirements and consistency with hard copy results. The following summaries were generated during the evaluation of this data set and are included in this report as applicable.

Batch – The analytical batch report is reviewed for completeness and compliance with project specific requirements. Incomplete or non-compliant run sequences are identified and their impact on data quality are discussed in the narrative.

QC Outlier – Results exceeding the evaluation criteria are reviewed for compliance with project requirements and a minimum of ten percent of the non-compliant QC values reported electronically are verified for consistency with hard-copy values.

Qualified Results – Qualified results are evaluated for compliance with project requirements and ten percent of qualified results are verified for consistency with the QC Outliers.

Rejected Results – All rejected results are evaluated for compliance with project requirements. The reason for rejection of the data is verified against hard copy data.

Field Duplicates – Field duplicate comparison results are evaluated for compliance with project requirements and ten percent of values reported are verified for consistency with the hard-copy data.

Data Submission Warnings – Warnings encountered during the data submission process are evaluated and their affect on data quality is discussed in the narrative below.

Analytical deficiencies, project non-compliance issues and inconsistencies with hard copy results observed during ADR evaluation process and their impact on data quality are summarized in the narrative below.

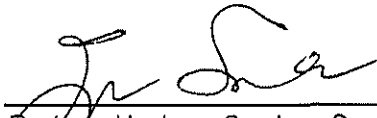
A total of 398 results (29.66%) out of the 1342 results (sample and field QC samples) reported are qualified based on review and 0 results (0.00%) have been rejected. Trace values are not counted as qualified results in the above count. The qualified results are detailed in the following tables and discussed in the narrative below, where appropriate.

Narrative Comments

Project samples listed on COC include 26 individual samples, with results submitted in two data packages. Samples received in good condition per case narrative.

Client Sample IDs BA2B-WO145-0915-1 and BA1DC-WO5-915-1 were received but not analyzed, as instructed by Gilbane.

Analytical Method	Comment
E1668C	The PCB portion of the extract underwent acid/silica gel and alumina chromatography cleanup prior to concentration to 15 uL volume. A solution of the 1668C injection standards was added to the extract to provide a final volume of 20 uL for instrumental analysis for PCB via 1668C.
E1699	All samples analyzed out of the 40-day holding time. DDNU, DDMU, and 2,4'-DDE/DDD calculated using one to two internal standards. 2,4'-DDT calculated using one internal standard and corrected relative to 13C12-DDE. For Client Sample ID W1-WO5-0915-1, the laboratory was unable to analyze the sample due to multiple re-runs that did not produce usable data. The sample was to be recollected, but the laboratory provided the wrong sample ID for recollection. Therefore, there are no results reported for this sample. It was noted in the case narrative that the sample matrix was particularly problematic.



Reviewed by Lynn Sanders, Senior Quality Assurance
Chemist

March 08, 2016



Reviewed by Tracy Young

August 11, 2016

Reason Code Definitions

Code	Definition
B1	The analyte was found in an associated method blank.
C11	Continuing Calibration Verification percent recovery, percent difference, or percent drift
G4	Ion abundance ratios are outside criteria - estimated maximum possible concentration (EMPC) reported
H2	Prep Hold Time
S	Surrogate recovery out of criteria (upper or lower limit)
TR	Trace Level Detect

Flag Code and Definitions

Flag	Definition
J	Estimated: The analyte was positively identified, the quantitation is an estimation due to discrepancies in meeting certain analyte-specific quality control criteria.
N	The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification".
NJ	The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.
R	The data are rejected due to deficiencies in meeting QC criteria and may not be used for decision making.
U	Undetected: The analyte was analyzed for, but not detected.
UJ	The analyte was not detected; however, the result is estimated due to discrepancies in meeting certain analyte-specific quality control criteria.

Automated Data Review Detail Report for L1675327

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Batch Report

Test Method: E1668C Analysis Batch: R3320969

Location	Matrix	Field Sample ID	Lab Sample ID	Calibration Ref	Run#/ Dil'n	Collection Date/Time	Extraction Date/Time	Analysis Date/Time	Prep/Leach Batch	Sample Type
LABQC	WQ	LABQC	WG2175642-2		1/1	9/22/2015 00:00	9/22/2015 00:00	10/22/2015 17:00	R3320969/	BS
LABQC	WQ	LABQC	WG2175642-1		1/1	9/22/2015 00:00	9/22/2015 00:00	10/22/2015 18:19	R3320969/	LB
BA1C	WO	BA1C-WO5-0915-1	L1675327-1		1/1	9/16/2015 11:03	9/22/2015 00:00	10/22/2015 18:58	R3320969/	N
BA1C	WO	BA1C-WO30-0915-1	L1675327-2		1/1	9/16/2015 11:10	9/22/2015 00:00	10/22/2015 19:38	R3320969/	N
BA1C	WO	BA1C-WO55-0915-1	L1675327-3		1/1	9/16/2015 11:23	9/22/2015 00:00	10/22/2015 20:17	R3320969/	N
BA1C	WO	BA1C-WO60-0915-1	L1675327-4		1/1	9/16/2015 11:34	9/22/2015 00:00	10/22/2015 20:57	R3320969/	N
BA1DC	WO	BA1DC-WO20-0915-1	L1675327-6		1/1	9/16/2015 12:07	9/22/2015 00:00	10/22/2015 21:36	R3320969/	N
BA1DC	WO	BA1DC-WO35-0915-1	L1675327-7		1/1	9/16/2015 12:15	9/22/2015 00:00	10/22/2015 22:16	R3320969/	N
BA2B	WO	BA2B-WO5-0915-1	L1675327-8		1/1	9/16/2015 14:51	9/22/2015 00:00	10/23/2015 01:43	R3320969/	N
BA2B	WO	BA2B-WO75-0915-1	L1675327-9		1/1	9/16/2015 15:01	9/22/2015 00:00	10/23/2015 02:23	R3320969/	N
BA2C	WO	BA2C-WO30-0915-1	L1675327-11		1/1	9/16/2015 13:54	9/22/2015 00:00	10/23/2015 03:02	R3320969/	N
BA2C	WO	BA2C-WO55-0915-1	L1675327-12		1/1	9/16/2015 14:06	9/22/2015 00:00	10/23/2015 03:42	R3320969/	N
BA2DC	WO	BA2DC-WO5-0915-1	L1675327-13		1/1	9/16/2015 12:43	9/22/2015 00:00	10/23/2015 04:21	R3320969/	N
BA10DC	WO	BA10DC-WO5-0915-1	L1675327-23		1/1	9/15/2015 15:35	9/22/2015 00:00	10/23/2015 05:01	R3320969/	N
BA10DC	WO	BA10DC-WO20-0915-1	L1675327-24		1/1	9/15/2015 16:03	9/22/2015 00:00	10/23/2015 05:40	R3320969/	N
BA10DC	WO	BA10DC-WO35-0915-1	L1675327-25		1/1	9/15/2015 16:15	9/22/2015 00:00	10/23/2015 06:20	R3320969/	N

Test Method: E1668C Analysis Batch: R3321467

Location	Matrix	Field Sample ID	Lab Sample ID	Calibration Ref	Run#/ Dil'n	Collection Date/Time	Extraction Date/Time	Analysis Date/Time	Prep/Leach Batch	Sample Type
LABQC	WQ	LABQC	WG2176880-2		1/1	9/23/2015 00:00	9/23/2015 00:00	11/18/2015 15:10	R3321467/	BS
LABQC	WQ	LABQC	WG2176880-1		1/1	9/23/2015 00:00	9/23/2015 00:00	11/18/2015 16:29	R3321467/	LB
BA2DC	WO	BA2DC-WO20-0915-1	L1675327-14		1/1	9/16/2015 12:54	9/23/2015 00:00	11/18/2015 17:09	R3321467/	N
BA2DC	WO	BA2DC-WO35-0915-1	L1675327-15		1/1	9/16/2015 13:27	9/23/2015 00:00	11/18/2015 17:48	R3321467/	N
BA3C	WO	BA3C-WO5-0915-1	L1675327-16		1/1	9/16/2015 16:58	9/23/2015 00:00	11/18/2015 18:28	R3321467/	N

Automated Data Review Detail Report for L1675327

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Batch Report

Test Method: E1668C		Analysis Batch: R3321467								
Location	Matrix	Field Sample ID	Lab Sample ID	Calibration Ref	Run#/Dil'n	Collection Date/Time	Extraction Date/Time	Analysis Date/Time	Prep/Leach Batch	Sample Type
BA3C	WO	BA3C-WO30-0915-1	L1675327-17		1/1	9/16/2015 17:08	9/23/2015 00:00	11/18/2015 19:07	R3321467/	N
BA3C	WO	BA3C-WO58-0915-1	L1675327-19		1/1	9/16/2015 17:29	9/23/2015 00:00	11/18/2015 19:47	R3321467/	N
BA3DC	WO	BA3DC-WO5-0915-1	L1675327-20		1/1	9/16/2015 16:33	9/23/2015 00:00	11/18/2015 20:26	R3321467/	N
BA3DC	WO	BA3DC-WO20-0915-1	L1675327-21		1/1	9/16/2015 16:41	9/23/2015 00:00	11/18/2015 23:54	R3321467/	N
BA3DC	WO	BA3DC-WO35-0915-1	L1675327-22		1/1	9/16/2015 16:50	9/23/2015 00:00	11/19/2015 00:33	R3321467/	N
W1	WO	W1-WO5-0915-1	L1675327-26		1/1	9/16/2015 08:42	9/23/2015 00:00	11/19/2015 01:13	R3321467/	N
W1	WO	W1-WO30-0915-1	L1675327-27		1/1	9/16/2015 08:54	9/23/2015 00:00	11/19/2015 01:52	R3321467/	N
W1	WO	W1-WO55-0915-1	L1675327-28		1/1	9/16/2015 09:10	9/23/2015 00:00	11/19/2015 02:32	R3321467/	N
W1	WO	W1-WO58-0915-1	L1675327-29		1/1	9/16/2015 09:34	9/23/2015 00:00	11/19/2015 03:11	R3321467/	N
BA3C	WO	BA3C-WO55-0915-1	L1675327-18		1/1	9/16/2015 17:20	9/23/2015 00:00	11/19/2015 03:51	R3321467/	N

Test Method: E1699		Analysis Batch: R3320969								
Location	Matrix	Field Sample ID	Lab Sample ID	Calibration Ref	Run#/Dil'n	Collection Date/Time	Extraction Date/Time	Analysis Date/Time	Prep/Leach Batch	Sample Type
LABQC	WQ	LABQC	WG2175642-2		1/1	9/22/2015 00:00	9/22/2015 00:00	11/10/2015 22:40	R3320969/	BS
LABQC	WQ	LABQC	WG2175642-1		1/1	9/22/2015 00:00	9/22/2015 00:00	11/11/2015 00:17	R3320969/	LB
BA1C	WO	BA1C-WO5-0915-1	L1675327-1		1/1	9/16/2015 11:03	9/22/2015 00:00	11/11/2015 00:50	R3320969/	N
BA1C	WO	BA1C-WO30-0915-1	L1675327-2		1/1	9/16/2015 11:10	9/22/2015 00:00	11/11/2015 01:22	R3320969/	N
BA1C	WO	BA1C-WO55-0915-1	L1675327-3		1/1	9/16/2015 11:23	9/22/2015 00:00	11/11/2015 01:54	R3320969/	N
BA1C	WO	BA1C-WO60-0915-1	L1675327-4		1/1	9/16/2015 11:34	9/22/2015 00:00	11/11/2015 04:49	R3320969/	N
BA1DC	WO	BA1DC-WO20-0915-1	L1675327-6		1/1	9/16/2015 12:07	9/22/2015 00:00	11/11/2015 05:22	R3320969/	N
BA1DC	WO	BA1DC-WO35-0915-1	L1675327-7		1/1	9/16/2015 12:15	9/22/2015 00:00	11/11/2015 05:54	R3320969/	N
BA2B	WO	BA2B-WO5-0915-1	L1675327-8		1/1	9/16/2015 14:51	9/22/2015 00:00	11/11/2015 06:26	R3320969/	N
BA2B	WO	BA2B-WO75-0915-1	L1675327-9		1/1	9/16/2015 15:01	9/22/2015 00:00	11/11/2015 06:59	R3320969/	N
BA2C	WO	BA2C-WO30-0915-1	L1675327-11		1/1	9/16/2015 13:54	9/22/2015 00:00	11/11/2015 07:31	R3320969/	N
BA2C	WO	BA2C-WO55-0915-1	L1675327-12		1/1	9/16/2015 14:06	9/22/2015 00:00	11/11/2015 10:26	R3320969/	N

Automated Data Review Detail Report for L1675327

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery
Component Palos Verdes Shelf, Los Angeles County, California

Batch Report

Test Method: E1699		Analysis Batch: R3320969								
Location	Matrix	Field Sample ID	Lab Sample ID	Calibration Ref	Run#/ Dil'n	Collection Date/Time	Extraction Date/Time	Analysis Date/Time	Prep/Leach Batch	Sample Type
BA2DC	WO	BA2DC-WO5-0915-1	L1675327-13		1/1	9/16/2015 12:43	9/22/2015 00:00	11/11/2015 10:58	R3320969/	N
BA10DC	WO	BA10DC-WO5-0915-1	L1675327-23		1/1	9/15/2015 15:35	9/22/2015 00:00	11/11/2015 11:30	R3320969/	N
BA10DC	WO	BA10DC-WO20-0915-1	L1675327-24		1/1	9/15/2015 16:03	9/22/2015 00:00	11/11/2015 12:03	R3320969/	N
BA10DC	WO	BA10DC-WO35-0915-1	L1675327-25		1/1	9/15/2015 16:15	9/22/2015 00:00	11/11/2015 12:35	R3320969/	N

Test Method: E1699		Analysis Batch: R3321467								
Location	Matrix	Field Sample ID	Lab Sample ID	Calibration Ref	Run#/ Dil'n	Collection Date/Time	Extraction Date/Time	Analysis Date/Time	Prep/Leach Batch	Sample Type
LABQC	WQ	LABQC	WG2176880-2		1/1	9/23/2015 00:00	9/23/2015 00:00	11/13/2015 15:51	R3321467/	BS
LABQC	WQ	LABQC	WG2176880-1		1/1	9/23/2015 00:00	9/23/2015 00:00	11/13/2015 17:28	R3321467/	LB
BA2DC	WO	BA2DC-WO20-0915-1	L1675327-14		1/1	9/16/2015 12:54	9/23/2015 00:00	11/13/2015 18:01	R3321467/	N
BA2DC	WO	BA2DC-WO35-0915-1	L1675327-15		1/1	9/16/2015 13:27	9/23/2015 00:00	11/13/2015 18:33	R3321467/	N
BA3C	WO	BA3C-WO5-0915-1	L1675327-16		1/1	9/16/2015 16:58	9/23/2015 00:00	11/13/2015 19:05	R3321467/	N
BA3C	WO	BA3C-WO30-0915-1	L1675327-17		1/1	9/16/2015 17:08	9/23/2015 00:00	11/13/2015 22:00	R3321467/	N
BA3C	WO	BA3C-WO55-0915-1	L1675327-18		1/1	9/16/2015 17:20	9/23/2015 00:00	11/13/2015 22:33	R3321467/	N
BA3C	WO	BA3C-WO58-0915-1	L1675327-19		1/1	9/16/2015 17:29	9/23/2015 00:00	11/13/2015 23:05	R3321467/	N
BA3DC	WO	BA3DC-WO5-0915-1	L1675327-20		1/1	9/16/2015 16:33	9/23/2015 00:00	11/13/2015 23:37	R3321467/	N
BA3DC	WO	BA3DC-WO20-0915-1	L1675327-21		1/1	9/16/2015 16:41	9/23/2015 00:00	11/14/2015 00:10	R3321467/	N
BA3DC	WO	BA3DC-WO35-0915-1	L1675327-22		1/1	9/16/2015 16:50	9/23/2015 00:00	11/14/2015 03:05	R3321467/	N
W1	WO	W1-WO30-0915-1	L1675327-27		1/1	9/16/2015 08:54	9/23/2015 00:00	11/14/2015 04:09	R3321467/	N
W1	WO	W1-WO55-0915-1	L1675327-28		1/1	9/16/2015 09:10	9/23/2015 00:00	11/14/2015 04:41	R3321467/	N
W1	WO	W1-WO58-0915-1	L1675327-29		1/1	9/16/2015 09:34	9/23/2015 00:00	11/18/2015 22:11	R3321467/	N

Automated Data Review Detail Report for L1675327

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery
Component Palos Verdes Shelf, Los Angeles County, California

Field Batch Report

--No Records Found--

Automated Data Review Detail Report for L1675327

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

QC Outlier Report

Test Method: E1668C		Extraction Method: METHOD		Leach Method: NONE							
QC Element	Sample ID/ Lab Sample ID	Run#/ Dil'n	Analyte	Result (Units)	Qualifier	Warning Limits	Control Limits	Reason	Comment	Rule	Action Level
Blank	WG2175642-1 (LB) / WG2175642-1	1 / 1.00	2,2',3,4,4',5'- HEXACHLOROBIPHENYL	0.820 (PG/L)	*U/None	< 0.41	< 8	B1		1	0.820
Blank	WG2175642-1 (LB) / WG2175642-1	1 / 1.00	2,2',3,5'-TETRACHLOROBIPHENYL	3.59 (PG/L)	*U/None	< 0.63	< 8	B1		1	3.59
Blank	WG2175642-1 (LB) / WG2175642-1	1 / 1.00	2,2',4,5,5'- PENTACHLOROBIPHENYL	1.27 (PG/L)	*U/None	< 0.45	< 8	B1		1	1.27
Blank	WG2175642-1 (LB) / WG2175642-1	1 / 1.00	2,2',5,5'-TETRACHLOROBIPHENYL	2.65 (PG/L)	*U/None	< 0.85	< 8	B1		1	2.65
Blank	WG2175642-1 (LB) / WG2175642-1	1 / 1.00	2,3',4,4',5'- PENTACHLOROBIPHENYL	1.25 (PG/L)	*U/None	< 0.39	< 8	B1		1	1.25
Blank	WG2176880-1 (LB) / WG2176880-1	1 / 1.00	2,2',3,4,4',5'- HEXACHLOROBIPHENYL	0.780 (PG/L)	*U/None	< 0.41	< 8	B1		1	0.780
Blank	WG2176880-1 (LB) / WG2176880-1	1 / 1.00	2,2',3,5'-TETRACHLOROBIPHENYL	3.20 (PG/L)	*U/None	< 0.47	< 8	B1		1	3.20
Blank	WG2176880-1 (LB) / WG2176880-1	1 / 1.00	2,2',5,5'-TETRACHLOROBIPHENYL	1.30 (PG/L)	*U/None	< 0.58	< 8	B1		1	1.30
Prep Hold Time	BA2DC-WO20-0915-1 (N) / L1675327-14	1 / 1.00	All in Run	56.7 (Days)	J/UJ	< 40	< 80	H2	Analyzed within one- year holding time. Qualifier Removed.		
Prep Hold Time	BA2DC-WO35-0915-1 (N) / L1675327-15	1 / 1.00	All in Run	56.7 (Days)	J/UJ	< 40	< 80	H2			
Prep Hold Time	BA3C-WO30-0915-1 (N) / L1675327-17	1 / 1.00	All in Run	56.8 (Days)	J/UJ	< 40	< 80	H2	Analyzed within one- year holding time. Qualifier Removed.		
Prep Hold Time	BA3C-WO5-0915-1 (N) / L1675327-16	1 / 1.00	All in Run	56.8 (Days)	J/UJ	< 40	< 80	H2	Analyzed within one- year holding time. Qualifier Removed.		

Automated Data Review Detail Report for L1675327

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Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Prep Hold Time	BA3C-WO55-0915-1 (N) / L1675327-18	1 / 1.00	All in Run	57.2 (Days)	J/UJ	< 40	< 80	H2	Analyzed within one- year holding time. Qualifier Removed.
Prep Hold Time	BA3C-WO58-0915-1 (N) / L1675327-19	1 / 1.00	All in Run	56.8 (Days)	J/UJ	< 40	< 80	H2	Analyzed within one- year holding time. Qualifier Removed.
Prep Hold Time	BA3DC-WO20-0915-1 (N) / L1675327-21	1 / 1.00	All in Run	57.0 (Days)	J/UJ	< 40	< 80	H2	Analyzed within one- year holding time. Qualifier Removed.
Prep Hold Time	BA3DC-WO35-0915-1 (N) / L1675327-22	1 / 1.00	All in Run	57.0 (Days)	J/UJ	< 40	< 80	H2	Analyzed within one- year holding time. Qualifier Removed.
Prep Hold Time	BA3DC-WO5-0915-1 (N) / L1675327-20	1 / 1.00	All in Run	56.8 (Days)	J/UJ	< 40	< 80	H2	Analyzed within one- year holding time. Qualifier Removed.
Prep Hold Time	W1-WO30-0915-1 (N) / L1675327-27	1 / 1.00	All in Run	57.1 (Days)	J/UJ	< 40	< 80	H2	Analyzed within one- year holding time. Qualifier Removed.
Prep Hold Time	W1-WO5-0915-1 (N) / L1675327-26	1 / 1.00	All in Run	57.0 (Days)	J/UJ	< 40	< 80	H2	Analyzed within one- year holding time. Qualifier Removed.

Automated Data Review Detail Report for L1675327

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Prep Hold Time	W1-WO55-0915-1 (N) / L1675327-28	1 / 1.00	All in Run	57.1 (Days)	J/UJ	< 40	< 80	H2	Analyzed within one- year holding time. Qualifier Removed.
Prep Hold Time	W1-WO58-0915-1 (N) / L1675327-29	1 / 1.00	All in Run	57.1 (Days)	J/UJ	< 40	< 80	H2	Analyzed within one- year holding time. Qualifier Removed.
Surrogate	BA10DC-WO20-0915-1 (N) / L1675327-24	1 / 1.00	4-Chlorobophenyl-C13	8.00 (PERCENT)	J/UJ	10 - 145	5 - 155	S	Early eluters not reported. Qualifier Removed.
Surrogate	BA10DC-WO35-0915-1 (N) / L1675327-25	1 / 1.00	4-Chlorobophenyl-C13	7.00 (PERCENT)	J/UJ	10 - 145	5 - 155	S	Early eluters not reported. Qualifier Removed.
Surrogate	BA1C-WO30-0915-1 (N) / L1675327-2	1 / 1.00	4-Chlorobophenyl-C13	8.00 (PERCENT)	J/UJ	10 - 145	5 - 155	S	Early eluters not reported. Qualifier Removed.
Surrogate	BA1C-WO55-0915-1 (N) / L1675327-3	1 / 1.00	2-MONOCHLOROBIPHENYL-C13	7.00 (PERCENT)	J/UJ	10 - 145	5 - 155	S	Early eluters not reported. Qualifier Removed.
Surrogate	BA1C-WO55-0915-1 (N) / L1675327-3	1 / 1.00	4-Chlorobophenyl-C13	5.00 (PERCENT)	J/UJ	10 - 145	5 - 155	S	Early eluters not reported. Qualifier Removed.
Surrogate	BA3C-WO30-0915-1 (N) / L1675327-17	1 / 1.00	2-MONOCHLOROBIPHENYL-C13	9.00 (PERCENT)	J/UJ	10 - 145	5 - 155	S	Early eluters not reported. Qualifier Removed.
Surrogate	W1-WO5-0915-1 (N) / L1675327-26	1 / 1.00	2-MONOCHLOROBIPHENYL-C13	4.00 (PERCENT)	J/R	10 - 145	5 - 155	S	Early eluters not reported. Qualifier Removed.

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Surrogate	W1-WO5-0915-1 (N) / L1675327-26	1 / 1.00	4-Chlorobophenyl-C13	4.00 (PERCENT)	J/R	10 - 145	5 - 155	S	Early eluters not reported. Qualifier Removed.		
Test Method: E1699	Extraction Method: METHOD	Leach Method: NONE									
QC Element	Sample ID/ Lab Sample ID	Run#/ Dil'n	Analyte	Result (Units)	Qualifier	Warning Limits	Control Limits	Reason	Comment	Rule	Action Level
Blank	WG2175642-1 (LB) / WG2175642-1	1 / 1.00	o,p'-DDE	0.00310 (NG/L)	*U/None	< 0.0012	< 0.024	B1		1	0.00310
Blank	WG2175642-1 (LB) / WG2175642-1	1 / 1.00	p,p'-DDD	0.0108 (NG/L)	*U/None	< 0.0077	< 0.024	B1		1	0.0108
Blank	WG2175642-1 (LB) / WG2175642-1	1 / 1.00	p,p'-DDE	0.0371 (NG/L)	*U/None	< 0.0034	< 0.024	B1		1	0.0371
Blank	WG2176880-1 (LB) / WG2176880-1	1 / 1.00	1,1-BIS(P- CHLOROPHENYL)ETHENE	0.000570 (NG/L)	*U/None	< 0.00024	< 0.024	B1		1	0.000570
Blank	WG2176880-1 (LB) / WG2176880-1	1 / 1.00	o,p'-DDE	0.00240 (NG/L)	*U/None	< 0.001	< 0.024	B1		1	0.00240
Blank	WG2176880-1 (LB) / WG2176880-1	1 / 1.00	p,p'-DDD	0.00710 (NG/L)	*U/None	< 0.0051	< 0.024	B1		1	0.00710
Blank	WG2176880-1 (LB) / WG2176880-1	1 / 1.00	p,p'-DDE	0.0278 (NG/L)	*U/None	< 0.0029	< 0.024	B1		1	0.0278
Prep Hold Time	BA10DC-WO20-0915-1 (N) / L1675327-24	1 / 1.00	All in Run	50.5 (Days)	J/UJ	< 40	< 80	H2			
Prep Hold Time	BA10DC-WO35-0915-1 (N) / L1675327-25	1 / 1.00	All in Run	50.5 (Days)	J/UJ	< 40	< 80	H2			
Prep Hold Time	BA10DC-WO5-0915-1 (N) / L1675327-23	1 / 1.00	All in Run	50.5 (Days)	J/UJ	< 40	< 80	H2			
Prep Hold Time	BA1C-WO30-0915-1 (N) / L1675327-2	1 / 1.00	All in Run	50.1 (Days)	J/UJ	< 40	< 80	H2			
Prep Hold Time	BA1C-WO5-0915-1 (N) / L1675327-1	1 / 1.00	All in Run	50.0 (Days)	J/UJ	< 40	< 80	H2			
Prep Hold Time	BA1C-WO55-0915-1 (N) / L1675327-3	1 / 1.00	All in Run	50.1 (Days)	J/UJ	< 40	< 80	H2			
Prep Hold Time	BA1C-WO60-0915-1 (N) / L1675327-4	1 / 1.00	All in Run	50.2 (Days)	J/UJ	< 40	< 80	H2			
Prep Hold Time	BA1DC-WO20-0915-1 (N) / L1675327-6	1 / 1.00	All in Run	50.2 (Days)	J/UJ	< 40	< 80	H2			
Prep Hold Time	BA1DC-WO35-0915-1 (N) / L1675327-7	1 / 1.00	All in Run	50.3 (Days)	J/UJ	< 40	< 80	H2			

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Prep Hold Time	BA2B-WO5-0915-1 (N) / L1675327-8	1 / 1.00	All in Run	50.3 (Days)	J/UJ	< 40	< 80	H2	
Prep Hold Time	BA2B-WO75-0915-1 (N) / L1675327-9	1 / 1.00	All in Run	50.3 (Days)	J/UJ	< 40	< 80	H2	
Prep Hold Time	BA2C-WO30-0915-1 (N) / L1675327-11	1 / 1.00	All in Run	50.3 (Days)	J/UJ	< 40	< 80	H2	
Prep Hold Time	BA2C-WO55-0915-1 (N) / L1675327-12	1 / 1.00	All in Run	50.4 (Days)	J/UJ	< 40	< 80	H2	
Prep Hold Time	BA2DC-WO20-0915-1 (N) / L1675327-14	1 / 1.00	All in Run	51.8 (Days)	J/UJ	< 40	< 80	H2	
Prep Hold Time	BA2DC-WO35-0915-1 (N) / L1675327-15	1 / 1.00	All in Run	51.8 (Days)	J/UJ	< 40	< 80	H2	
Prep Hold Time	BA2DC-WO5-0915-1 (N) / L1675327-13	1 / 1.00	All in Run	50.5 (Days)	J/UJ	< 40	< 80	H2	
Prep Hold Time	BA3C-WO30-0915-1 (N) / L1675327-17	1 / 1.00	All in Run	51.9 (Days)	J/UJ	< 40	< 80	H2	
Prep Hold Time	BA3C-WO5-0915-1 (N) / L1675327-16	1 / 1.00	All in Run	51.8 (Days)	J/UJ	< 40	< 80	H2	
Prep Hold Time	BA3C-WO55-0915-1 (N) / L1675327-18	1 / 1.00	All in Run	51.9 (Days)	J/UJ	< 40	< 80	H2	
Prep Hold Time	BA3C-WO58-0915-1 (N) / L1675327-19	1 / 1.00	All in Run	52.0 (Days)	J/UJ	< 40	< 80	H2	
Prep Hold Time	BA3DC-WO20-0915-1 (N) / L1675327-21	1 / 1.00	All in Run	52.0 (Days)	J/UJ	< 40	< 80	H2	
Prep Hold Time	BA3DC-WO35-0915-1 (N) / L1675327-22	1 / 1.00	All in Run	52.1 (Days)	J/UJ	< 40	< 80	H2	
Prep Hold Time	BA3DC-WO5-0915-1 (N) / L1675327-20	1 / 1.00	All in Run	52.0 (Days)	J/UJ	< 40	< 80	H2	
Prep Hold Time	W1-WO30-0915-1 (N) / L1675327-27	1 / 1.00	All in Run	52.2 (Days)	J/UJ	< 40	< 80	H2	
Prep Hold Time	W1-WO55-0915-1 (N) / L1675327-28	1 / 1.00	All in Run	52.2 (Days)	J/UJ	< 40	< 80	H2	
Prep Hold Time	W1-WO58-0915-1 (N) / L1675327-29	1 / 1.00	All in Run	56.9 (Days)	J/UJ	< 40	< 80	H2	
Surrogate	BA1C-WO30-0915-1 (N) / L1675327-2	1 / 1.00	4,4'-DDE-13C12	40.0 (Percent)	J/UJ	47 - 160	10 - 170	S	Only 1 SS out. Qualifier Removed.
Surrogate	BA1C-WO5-0915-1 (N) / L1675327-1	1 / 1.00	4,4'-DDE-13C12	37.0 (Percent)	J/UJ	47 - 160	10 - 170	S	Only 1 SS out. Qualifier Removed.

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Surrogate	BA1C-WO60-0915-1 (N) / L1675327-4	1 / 1.00	4,4'-DDE-13C12	44.0 (Percent)	J/UJ	47 - 160	10 - 170	S	Only 1 SS out. Qualifier Removed.
Surrogate	BA1DC-WO20-0915-1 (N) / L1675327-6	1 / 1.00	4,4'-DDE-13C12	41.0 (Percent)	J/UJ	47 - 160	10 - 170	S	Only 1 SS out. Qualifier Removed.
Surrogate	BA1DC-WO35-0915-1 (N) / L1675327-7	1 / 1.00	4,4'-DDE-13C12	41.0 (Percent)	J/UJ	47 - 160	10 - 170	S	Only 1 SS out. Qualifier Removed.
Surrogate	BA2B-WO5-0915-1 (N) / L1675327-8	1 / 1.00	4,4'-DDE-13C12	36.0 (Percent)	J/UJ	47 - 160	10 - 170	S	Only 1 SS out. Qualifier Removed.
Surrogate	BA2B-WO75-0915-1 (N) / L1675327-9	1 / 1.00	4,4'-DDE-13C12	43.0 (Percent)	J/UJ	47 - 160	10 - 170	S	Only 1 SS out. Qualifier Removed.
Surrogate	BA2C-WO30-0915-1 (N) / L1675327-11	1 / 1.00	4,4'-DDE-13C12	34.0 (Percent)	J/UJ	47 - 160	10 - 170	S	Only 1 SS out. Qualifier Removed.
Surrogate	BA2C-WO55-0915-1 (N) / L1675327-12	1 / 1.00	4,4'-DDE-13C12	45.0 (Percent)	J/UJ	47 - 160	10 - 170	S	Only 1 SS out. Qualifier Removed.
Surrogate	BA2DC-WO35-0915-1 (N) / L1675327-15	1 / 1.00	4,4'-DDE-13C12	41.0 (Percent)	J/UJ	47 - 160	10 - 170	S	Only 1 SS out. Qualifier Removed.
Surrogate	BA3C-WO30-0915-1 (N) / L1675327-17	1 / 1.00	4,4'-DDE-13C12	46.0 (Percent)	J/UJ	47 - 160	10 - 170	S	Only 1 SS out. Qualifier Removed.
Surrogate	BA3C-WO5-0915-1 (N) / L1675327-16	1 / 1.00	4,4'-DDE-13C12	46.0 (Percent)	J/UJ	47 - 160	10 - 170	S	Only 1 SS out. Qualifier Removed.
Surrogate	BA3C-WO55-0915-1 (N) / L1675327-18	1 / 1.00	4,4'-DDE-13C12	41.0 (Percent)	J/UJ	47 - 160	10 - 170	S	Only 1 SS out. Qualifier Removed.
Surrogate	BA3C-WO58-0915-1 (N) / L1675327-19	1 / 1.00	4,4'-DDE-13C12	36.0 (Percent)	J/UJ	47 - 160	10 - 170	S	Only 1 SS out. Qualifier Removed.
Surrogate	BA3DC-WO20-0915-1 (N) / L1675327-21	1 / 1.00	4,4'-DDE-13C12	46.0 (Percent)	J/UJ	47 - 160	10 - 170	S	Only 1 SS out. Qualifier Removed.
Surrogate	BA3DC-WO35-0915-1 (N) / L1675327-22	1 / 1.00	4,4'-DDE-13C12	40.0 (Percent)	J/UJ	47 - 160	10 - 170	S	Only 1 SS out. Qualifier Removed.

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Surrogate	BA3DC-WO5-0915-1 (N) / L1675327-20	1 / 1.00	4,4'-DDE-13C12	42.0 (Percent)	J/UJ	47 - 160	10 - 170	S	Only 1 SS out. Qualifier Removed.
Surrogate	W1-WO30-0915-1 (N) / L1675327-27	1 / 1.00	4,4'-DDE-13C12	40.0 (Percent)	J/UJ	47 - 160	10 - 170	S	Only 1 SS out. Qualifier Removed.
Surrogate	W1-WO55-0915-1 (N) / L1675327-28	1 / 1.00	4,4'-DDE-13C12	39.0 (Percent)	J/UJ	47 - 160	10 - 170	S	Only 1 SS out. Qualifier Removed.
Surrogate	W1-WO58-0915-1 (N) / L1675327-29	1 / 1.00	4,4'-DDE-13C12	30.0 (Percent)	J/UJ	47 - 160	10 - 170	S	Only 1 SS out. Qualifier Removed.

Rule is the multiplier used when blank contamination occurs to determine action level.

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Qualified Results

Test Method: E1668C		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
BA10DC-WO20-0915-1	L1675327-24	WO	N	2,2',3,4,4',5'- HEXACHLOROBIPHENYL	0.26	0.99 J,M	0.99 J		PG/L	TR/G4
BA10DC-WO20-0915-1	L1675327-24	WO	N	2,2',3,5'- TETRACHLOROBIPHENYL	0.33	2.6 J,M	0.33 U		PG/L	B1/TR/G4
BA10DC-WO20-0915-1	L1675327-24	WO	N	2,2',4,4',5,5'- HEXACHLOROBIPHENYL/2,3',4 ,4',5',6- HEXACHLOROBIPHENYL	0.19	1.2 J,M	1.2 J	+	PG/L	TR/B1/G4
BA10DC-WO20-0915-1	L1675327-24	WO	N	2,2',4,5,5'- PENTACHLOROBIPHENYL	0.29	0.68 J,M	0.29 U		PG/L	B1/TR/G4
BA10DC-WO20-0915-1	L1675327-24	WO	N	2,2',5,5'- TETRACHLOROBIPHENYL	0.47	1.6 J,M	1.6 J	+	PG/L	B1/TR/G4
BA10DC-WO20-0915-1	L1675327-24	WO	N	2,3,3',4',6- PENTACHLOROBIPHENYL	0.26	0.90 J	0.90 J		PG/L	TR
BA10DC-WO20-0915-1	L1675327-24	WO	N	2,3',4,4',5- PENTACHLOROBIPHENYL	0.27	0.84 J	0.84 J	+	PG/L	B1/TR
BA10DC-WO20-0915-1	L1675327-24	WO	N	2,4,4'-TRICHLOROBIPHENYL	1.6	2.5 J	2.5 J		PG/L	TR
BA10DC-WO20-0915-1	L1675327-24	WO	N	2,4',5-TRICHLOROBIPHENYL	1.4	2.6 J	2.6 J		PG/L	TR
BA10DC-WO20-0915-1	L1675327-24	WO	N	PCB061/070/074/076	0.33	1.1 J	1.1 J		PG/L	TR
BA10DC-WO35-0915-1	L1675327-25	WO	N	2,2',3,3',4,4',5,5',6,6'- Decachlorobiphenyl	0.10	0.53 J	0.53 J		PG/L	TR
BA10DC-WO35-0915-1	L1675327-25	WO	N	2,2',3,4,4',5'- HEXACHLOROBIPHENYL	0.28	2.7 J	2.7 J		PG/L	TR
BA10DC-WO35-0915-1	L1675327-25	WO	N	2,2',3,4',5',6- HEXACHLOROBIPHENYL	0.30	1.6 J,M	1.6 J		PG/L	TR/G4
BA10DC-WO35-0915-1	L1675327-25	WO	N	2,2',3,4,5'- PENTACHLOROBIPHENYL/2,3', 4,4',6-Pentachlorobiphenyl	0.34	1.6 J	1.6 J		PG/L	TR
BA10DC-WO35-0915-1	L1675327-25	WO	N	2,2',3,5'- TETRACHLOROBIPHENYL	0.34	4.1 J	4.1 J	+	PG/L	B1/TR
BA10DC-WO35-0915-1	L1675327-25	WO	N	2,2',4,4',5,5'- HEXACHLOROBIPHENYL/2,3',4 ,4',5',6- HEXACHLOROBIPHENYL	0.20	1.9 J,M	1.9 J	+	PG/L	TR/B1/G4
BA10DC-WO35-0915-1	L1675327-25	WO	N	2,2',4,4',5- PENTACHLOROBIPHENYL	0.46	1.4 J,M	1.4 J		PG/L	TR/G4

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Qualified Results

Test Method: E1668C		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
BA10DC-WO35-0915-1	L1675327-25	WO	N	2,2',4,5,5'-PENTACHLOROBIPHENYL	0.35	1.8 J,M	1.8 J	+	PG/L	B1/TR/G4
BA10DC-WO35-0915-1	L1675327-25	WO	N	2,2',4,5'-TETRACHLOROBIPHENYL	0.31	1.5 J	1.5 J		PG/L	TR
BA10DC-WO35-0915-1	L1675327-25	WO	N	2,2',5,5'-TETRACHLOROBIPHENYL	0.49	3.6 J	3.6 J	+	PG/L	B1/TR
BA10DC-WO35-0915-1	L1675327-25	WO	N	2,3,3',4',6-PENTACHLOROBIPHENYL	0.32	2.1 J	2.1 J		PG/L	TR
BA10DC-WO35-0915-1	L1675327-25	WO	N	2,3',4,4',5-PENTACHLOROBIPHENYL	0.31	2.0 J	2.0 J	+	PG/L	B1/TR
BA10DC-WO35-0915-1	L1675327-25	WO	N	2,3',4,4'-TETRACHLOROBIPHENYL	0.33	2.0 J	2.0 J		PG/L	TR
BA10DC-WO35-0915-1	L1675327-25	WO	N	2,4,4'-TRICHLOROBIPHENYL	1.8	2.9 J	2.9 J		PG/L	TR
BA10DC-WO35-0915-1	L1675327-25	WO	N	2,4',5-TRICHLOROBIPHENYL	1.6	2.3 J	2.3 J		PG/L	TR
BA10DC-WO35-0915-1	L1675327-25	WO	N	PCB061/070/074/076	0.32	2.5 J	2.5 J		PG/L	TR
BA10DC-WO5-0915-1	L1675327-23	WO	N	2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	0.12	0.45 J,M	0.45 J		PG/L	TR/G4
BA10DC-WO5-0915-1	L1675327-23	WO	N	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	0.30	1.3 J	1.3 J		PG/L	TR
BA10DC-WO5-0915-1	L1675327-23	WO	N	2,2',3,5'-TETRACHLOROBIPHENYL	0.38	3.6 J	3.6 J	+	PG/L	B1/TR
BA10DC-WO5-0915-1	L1675327-23	WO	N	2,2',4,4',5,5'-HEXACHLOROBIPHENYL/2,3',4',4',5',6'-HEXACHLOROBIPHENYL	0.22	0.85 J	0.22 U		PG/L	B1
BA10DC-WO5-0915-1	L1675327-23	WO	N	2,2',4,5,5'-PENTACHLOROBIPHENYL	0.30	0.92 J,M	0.30 U		PG/L	B1/TR/G4
BA10DC-WO5-0915-1	L1675327-23	WO	N	2,2',5,5'-TETRACHLOROBIPHENYL	0.54	2.5 J	0.54 U		PG/L	B1
BA10DC-WO5-0915-1	L1675327-23	WO	N	2,2',5-TRICHLOROBIPHENYL	2.3	5.1 J,M	5.1 J		PG/L	TR/G4
BA10DC-WO5-0915-1	L1675327-23	WO	N	2,3,3',4',6-PENTACHLOROBIPHENYL	0.27	1.1 J,M	1.1 J		PG/L	TR/G4
BA10DC-WO5-0915-1	L1675327-23	WO	N	2,3',4,4',5-PENTACHLOROBIPHENYL	0.23	0.73 J	0.73 J	+	PG/L	B1/TR
BA10DC-WO5-0915-1	L1675327-23	WO	N	2,4,4'-TRICHLOROBIPHENYL	1.6	2.7 J	2.7 J		PG/L	TR
BA10DC-WO5-0915-1	L1675327-23	WO	N	2,4',5-TRICHLOROBIPHENYL	1.4	2.5 J	2.5 J		PG/L	TR

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Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1668C		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
BA10DC-WO5-0915-1	L1675327-23	WO	N	PCB061/070/074/076	0.38	1.5 J	1.5 J		PG/L	TR
BA1C-WO30-0915-1	L1675327-2	WO	N	2,2',3,4,4',5'- HEXACHLOROBIPHENYL	0.30	2.2 J,M	2.2 J		PG/L	TR/G4
BA1C-WO30-0915-1	L1675327-2	WO	N	2,2',3,4',5',6- HEXACHLOROBIPHENYL	0.27	1.2 J	1.2 J		PG/L	TR
BA1C-WO30-0915-1	L1675327-2	WO	N	2,2',3,5'- TETRACHLOROBIPHENYL	0.50	7.4 J	7.4 J	+	PG/L	B1/TR
BA1C-WO30-0915-1	L1675327-2	WO	N	2,2',4,4',5,5'- HEXACHLOROBIPHENYL/2,3',4 ,4',5',6- HEXACHLOROBIPHENYL	0.23	1.8 J	1.8 J	+	PG/L	TR/B1
BA1C-WO30-0915-1	L1675327-2	WO	N	2,2',4,4',5- PENTACHLOROBIPHENYL	0.39	1.5 J,M	1.5 J		PG/L	TR/G4
BA1C-WO30-0915-1	L1675327-2	WO	N	2,2',4,5,5'- PENTACHLOROBIPHENYL	0.33	2.1 J,M	2.1 J	+	PG/L	B1/TR/G4
BA1C-WO30-0915-1	L1675327-2	WO	N	2,2',5,5'- TETRACHLOROBIPHENYL	0.68	4.5 J,M	4.5 J	+	PG/L	B1/TR/G4
BA1C-WO30-0915-1	L1675327-2	WO	N	2,2',5-TRICHLOROBIPHENYL	2.7	3.7 J	3.7 J		PG/L	TR
BA1C-WO30-0915-1	L1675327-2	WO	N	2,3,3',4',6- PENTACHLOROBIPHENYL	0.29	2.7 J,M	2.7 J		PG/L	TR/G4
BA1C-WO30-0915-1	L1675327-2	WO	N	2,3',4,4',5- PENTACHLOROBIPHENYL	0.32	1.6 J,M	1.6 J	+	PG/L	B1/TR/G4
BA1C-WO30-0915-1	L1675327-2	WO	N	2,3',4,4'- TETRACHLOROBIPHENYL	0.56	2.2 J,M	2.2 J		PG/L	TR/G4
BA1C-WO30-0915-1	L1675327-2	WO	N	2,4,4'-TRICHLOROBIPHENYL	3.1	5.1 J	5.1 J		PG/L	TR
BA1C-WO30-0915-1	L1675327-2	WO	N	2,4',5-TRICHLOROBIPHENYL	2.9	4.1 J	4.1 J		PG/L	TR
BA1C-WO30-0915-1	L1675327-2	WO	N	PCB061/070/074/076	0.56	5.4 J	5.4 J		PG/L	TR
BA1C-WO5-0915-1	L1675327-1	WO	N	2,2',3,4,4',5'- HEXACHLOROBIPHENYL	0.26	1.6 J	1.6 J		PG/L	TR
BA1C-WO5-0915-1	L1675327-1	WO	N	2,2',3,5'- TETRACHLOROBIPHENYL	0.36	3.7 J	3.7 J	+	PG/L	B1/TR
BA1C-WO5-0915-1	L1675327-1	WO	N	2,2',4,4',5,5'- HEXACHLOROBIPHENYL/2,3',4 ,4',5',6- HEXACHLOROBIPHENYL	0.20	0.92 J,M	0.20 U		PG/L	B1/G4

Automated Data Review Detail Report for L1675327

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1668C		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
BA1C-WO5-0915-1	L1675327-1	WO	N	2,2',4,4',5-PENTACHLOROBIPHENYL	0.37	0.97 J	0.97 J		PG/L	TR
BA1C-WO5-0915-1	L1675327-1	WO	N	2,2',4,5,5'-PENTACHLOROBIPHENYL	0.31	1.5 J	1.5 J	+	PG/L	B1/TR
BA1C-WO5-0915-1	L1675327-1	WO	N	2,2',5,5'-TETRACHLOROBIPHENYL	0.49	2.7 J,M	2.7 J	+	PG/L	B1/TR/G4
BA1C-WO5-0915-1	L1675327-1	WO	N	2,2',5-TRICHLOROBIPHENYL	1.9	2.2 J	2.2 J		PG/L	TR
BA1C-WO5-0915-1	L1675327-1	WO	N	2,3,3',4',6-PENTACHLOROBIPHENYL	0.27	1.4 J,M	1.4 J		PG/L	TR/G4
BA1C-WO5-0915-1	L1675327-1	WO	N	2,3',4,4',5-PENTACHLOROBIPHENYL	0.24	1.2 J	1.2 J	+	PG/L	B1/TR
BA1C-WO5-0915-1	L1675327-1	WO	N	2,4,4'-TRICHLOROBIPHENYL	1.9	3.4 J	3.4 J		PG/L	TR
BA1C-WO5-0915-1	L1675327-1	WO	N	2,4',5-TRICHLOROBIPHENYL	1.8	1.8 J	1.8 J		PG/L	TR
BA1C-WO5-0915-1	L1675327-1	WO	N	PCB061/070/074/076	0.38	2.4 J	2.4 J		PG/L	TR
BA1C-WO55-0915-1	L1675327-3	WO	N	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	0.37	4.5 J	4.5 J		PG/L	TR
BA1C-WO55-0915-1	L1675327-3	WO	N	2,2',3,4',5,5',6-HEPTACHLOROBIPHENYL	0.54	0.97 J,M	0.97 J		PG/L	TR/G4
BA1C-WO55-0915-1	L1675327-3	WO	N	2,2',3,4',5',6-HEXACHLOROBIPHENYL	0.34	1.9 J,M	1.9 J		PG/L	TR/G4
BA1C-WO55-0915-1	L1675327-3	WO	N	2,2',3,5'-TETRACHLOROBIPHENYL	0.60	5.4 J	5.4 J	+	PG/L	B1/TR
BA1C-WO55-0915-1	L1675327-3	WO	N	2,2',4,4',5,5'-HEXACHLOROBIPHENYL/2,3',4',4',5',6-HEXACHLOROBIPHENYL	0.29	3.5 J	3.5 J	+	PG/L	TR/B1
BA1C-WO55-0915-1	L1675327-3	WO	N	2,2',4,4',5-PENTACHLOROBIPHENYL	0.83	3.0 J,M	3.0 J		PG/L	TR/G4
BA1C-WO55-0915-1	L1675327-3	WO	N	2,2',4,5,5'-PENTACHLOROBIPHENYL	0.69	4.1 J	4.1 J	+	PG/L	B1/TR
BA1C-WO55-0915-1	L1675327-3	WO	N	2,2',4,5'-TETRACHLOROBIPHENYL	0.52	1.4 J,M	1.4 J		PG/L	TR/G4
BA1C-WO55-0915-1	L1675327-3	WO	N	2,2',5,5'-TETRACHLOROBIPHENYL	0.81	5.2 J	5.2 J	+	PG/L	B1/TR
BA1C-WO55-0915-1	L1675327-3	WO	N	2,3,3',4,4'-PENTACHLOROBIPHENYL	0.43	1.1 J,M	1.1 J		PG/L	TR/G4

Automated Data Review Detail Report for L1675327

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1668C		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
BA1C-WO55-0915-1	L1675327-3	WO	N	2,3,3',4',6-PENTACHLOROBIPHENYL	0.60	4.6 J	4.6 J		PG/L	TR
BA1C-WO55-0915-1	L1675327-3	WO	N	2,3,4,4',5-PENTACHLOROBIPHENYL	0.39	3.8 J	3.8 J	+	PG/L	B1/TR
BA1C-WO55-0915-1	L1675327-3	WO	N	2,3,4,4'-TETRACHLOROBIPHENYL	0.61	4.0 J	4.0 J		PG/L	TR
BA1C-WO55-0915-1	L1675327-3	WO	N	PCB061/070/074/076	0.60	4.5 J,M	4.5 J		PG/L	TR/G4
BA1C-WO60-0915-1	L1675327-4	WO	N	2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	0.17	0.65 J	0.65 J		PG/L	TR
BA1C-WO60-0915-1	L1675327-4	WO	N	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	0.29	2.4 J	2.4 J		PG/L	TR
BA1C-WO60-0915-1	L1675327-4	WO	N	2,2',3,4',5',6-HEXACHLOROBIPHENYL	0.27	1.5 J	1.5 J		PG/L	TR
BA1C-WO60-0915-1	L1675327-4	WO	N	2,2',3,5,5',6-HEXACHLOROBIPHENYL	0.23	0.70 J	0.70 J		PG/L	TR
BA1C-WO60-0915-1	L1675327-4	WO	N	2,2',3,5'-TETRACHLOROBIPHENYL	0.45	6.5 J	6.5 J	+	PG/L	B1/TR
BA1C-WO60-0915-1	L1675327-4	WO	N	2,2',4,4',5,5'-HEXACHLOROBIPHENYL/2,3',4',4',5',6-HEXACHLOROBIPHENYL	0.23	1.4 J,M	1.4 J	+	PG/L	TR/B1/G4
BA1C-WO60-0915-1	L1675327-4	WO	N	2,2',4,4',5-PENTACHLOROBIPHENYL	0.45	1.7 J	1.7 J		PG/L	TR
BA1C-WO60-0915-1	L1675327-4	WO	N	2,2',4,5,5'-PENTACHLOROBIPHENYL	0.38	2.8 J	2.8 J	+	PG/L	B1/TR
BA1C-WO60-0915-1	L1675327-4	WO	N	2,2',4,5'-TETRACHLOROBIPHENYL	0.39	1.6 J	1.6 J	+	PG/L	TR/B1
BA1C-WO60-0915-1	L1675327-4	WO	N	2,2',5,5'-TETRACHLOROBIPHENYL	0.60	4.6 J	4.6 J	+	PG/L	B1/TR
BA1C-WO60-0915-1	L1675327-4	WO	N	2,2',5-TRICHLOROBIPHENYL	2.2	2.3 J,M	2.3 J		PG/L	TR/G4
BA1C-WO60-0915-1	L1675327-4	WO	N	2,3,3',4',6-PENTACHLOROBIPHENYL	0.33	3.6 J	3.6 J		PG/L	TR
BA1C-WO60-0915-1	L1675327-4	WO	N	2,3',4,4',5-PENTACHLOROBIPHENYL	0.26	1.9 J	1.9 J	+	PG/L	B1/TR
BA1C-WO60-0915-1	L1675327-4	WO	N	2,3',4,4'-TETRACHLOROBIPHENYL	0.49	2.3 J	2.3 J		PG/L	TR
BA1C-WO60-0915-1	L1675327-4	WO	N	2,4,4'-TRICHLOROBIPHENYL	2.2	4.8 J	4.8 J		PG/L	TR

Automated Data Review Detail Report for L1675327

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1668C		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
BA1C-WO60-0915-1	L1675327-4	WO	N	2,4',5-TRICHLOROBIPHENYL	2.0	3.4 J,M	3.4 J		PG/L	TR/G4
BA1C-WO60-0915-1	L1675327-4	WO	N	PCB061/070/074/076	0.48	4.2 J	4.2 J		PG/L	TR
BA1DC-WO20-0915-1	L1675327-6	WO	N	2,2',3,4,4',5'- HEXACHLOROBIPHENYL	0.36	1.8 J	1.8 J		PG/L	TR
BA1DC-WO20-0915-1	L1675327-6	WO	N	2,2',3,4',5',6- HEXACHLOROBIPHENYL	0.32	1.2 J	1.2 J		PG/L	TR
BA1DC-WO20-0915-1	L1675327-6	WO	N	2,2',3,5'- TETRACHLOROBIPHENYL	0.43	5.0 J	5.0 J	+	PG/L	B1/TR
BA1DC-WO20-0915-1	L1675327-6	WO	N	2,2',4,4',5,5'- HEXACHLOROBIPHENYL/2,3',4 ,4',5',6- HEXACHLOROBIPHENYL	0.28	1.5 J,M	1.5 J	+	PG/L	TR/B1/G4
BA1DC-WO20-0915-1	L1675327-6	WO	N	2,2',4,4',5- PENTACHLOROBIPHENYL	0.37	1.8 J	1.8 J		PG/L	TR
BA1DC-WO20-0915-1	L1675327-6	WO	N	2,2',4,5,5'- PENTACHLOROBIPHENYL	0.31	2.4 J	2.4 J	+	PG/L	B1/TR
BA1DC-WO20-0915-1	L1675327-6	WO	N	2,2',4,5'- TETRACHLOROBIPHENYL	0.37	1.9 J	1.9 J		PG/L	TR
BA1DC-WO20-0915-1	L1675327-6	WO	N	2,2',5,5'- TETRACHLOROBIPHENYL	0.58	4.7 J	4.7 J	+	PG/L	B1/TR
BA1DC-WO20-0915-1	L1675327-6	WO	N	2,2',5-TRICHLOROBIPHENYL	1.4	3.0 J	3.0 J		PG/L	TR
BA1DC-WO20-0915-1	L1675327-6	WO	N	2,3,3',4,4'- PENTACHLOROBIPHENYL	0.24	0.48 J,M	0.48 J		PG/L	TR/G4
BA1DC-WO20-0915-1	L1675327-6	WO	N	2,3,3',4',6- PENTACHLOROBIPHENYL	0.27	2.3 J	2.3 J		PG/L	TR
BA1DC-WO20-0915-1	L1675327-6	WO	N	2,3',4,4',5- PENTACHLOROBIPHENYL	0.21	1.7 J	1.7 J	+	PG/L	B1/TR
BA1DC-WO20-0915-1	L1675327-6	WO	N	2,3',4,4'- TETRACHLOROBIPHENYL	0.32	2.1 J	2.1 J		PG/L	TR
BA1DC-WO20-0915-1	L1675327-6	WO	N	2,4,4'-TRICHLOROBIPHENYL	1.9	3.8 J,M	3.8 J		PG/L	TR/G4
BA1DC-WO20-0915-1	L1675327-6	WO	N	2,4',5-TRICHLOROBIPHENYL	1.8	2.4 J	2.4 J		PG/L	TR
BA1DC-WO20-0915-1	L1675327-6	WO	N	PCB061/070/074/076	0.32	3.6 J	3.6 J		PG/L	TR
BA1DC-WO35-0915-1	L1675327-7	WO	N	2,2',3,3',4,4',5,5',6,6'- Decachlorobiphenyl	0.15	0.42 J,M	0.42 J		PG/L	TR/G4
BA1DC-WO35-0915-1	L1675327-7	WO	N	2,2',3,4,4',5'- HEXACHLOROBIPHENYL	0.28	1.2 J,M	1.2 J		PG/L	TR/G4

Automated Data Review Detail Report for L1675327

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1668C		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
BA1DC-WO35-0915-1	L1675327-7	WO	N	2,2',3,4',5',6'- HEXACHLOROBIPHENYL	0.26	0.55 J,M	0.55 J		PG/L	TR/G4
BA1DC-WO35-0915-1	L1675327-7	WO	N	2,2',3,5'- TETRACHLOROBIPHENYL	0.37	3.4 J,M	3.4 J	+	PG/L	B1/TR/G4
BA1DC-WO35-0915-1	L1675327-7	WO	N	2,2',4,4',5,5'- HEXACHLOROBIPHENYL/2,3',4 ,4',5',6'- HEXACHLOROBIPHENYL	0.22	0.81 J	0.22 U		PG/L	B1
BA1DC-WO35-0915-1	L1675327-7	WO	N	2,2',4,5,5'- PENTACHLOROBIPHENYL	0.30	1.3 J	1.3 J	+	PG/L	B1/TR
BA1DC-WO35-0915-1	L1675327-7	WO	N	2,2',4,5'- TETRACHLOROBIPHENYL	0.32	1.1 J	1.1 J		PG/L	TR
BA1DC-WO35-0915-1	L1675327-7	WO	N	2,2',5,5'- TETRACHLOROBIPHENYL	0.50	3.6 J	3.6 J	+	PG/L	B1/TR
BA1DC-WO35-0915-1	L1675327-7	WO	N	2,2',5-TRICHLOROBIPHENYL	1.7	2.5 J	2.5 J		PG/L	TR
BA1DC-WO35-0915-1	L1675327-7	WO	N	2,3,3',4',6'- PENTACHLOROBIPHENYL	0.26	1.2 J	1.2 J		PG/L	TR
BA1DC-WO35-0915-1	L1675327-7	WO	N	2,3',4,4',5'- PENTACHLOROBIPHENYL	0.23	0.90 J,M	0.90 J	+	PG/L	B1/TR/G4
BA1DC-WO35-0915-1	L1675327-7	WO	N	2,3',4,4'- TETRACHLOROBIPHENYL	0.41	1.2 J,M	1.2 J		PG/L	TR/G4
BA1DC-WO35-0915-1	L1675327-7	WO	N	2,4,4'-TRICHLOROBIPHENYL	1.7	3.6 J,M	3.6 J		PG/L	TR/G4
BA1DC-WO35-0915-1	L1675327-7	WO	N	2,4',5-TRICHLOROBIPHENYL	1.6	2.5 J,M	2.5 J		PG/L	TR/G4
BA1DC-WO35-0915-1	L1675327-7	WO	N	PCB061/070/074/076	0.41	2.7 J	2.7 J		PG/L	TR
BA2B-WO5-0915-1	L1675327-8	WO	N	2,2',3,3',4,4',5,5',6,6'- Decachlorobiphenyl	0.14	0.59 J	0.59 J		PG/L	TR
BA2B-WO5-0915-1	L1675327-8	WO	N	2,2',3,4,4',5'- HEXACHLOROBIPHENYL	0.36	0.98 J	0.98 J		PG/L	TR
BA2B-WO5-0915-1	L1675327-8	WO	N	2,2',3,5'- TETRACHLOROBIPHENYL	0.33	3.4 J	3.4 J	+	PG/L	B1/TR
BA2B-WO5-0915-1	L1675327-8	WO	N	2,2',4,4',5,5'- HEXACHLOROBIPHENYL/2,3',4 ,4',5',6'- HEXACHLOROBIPHENYL	0.26	0.82 J,M	0.26 U		PG/L	B1/G4
BA2B-WO5-0915-1	L1675327-8	WO	N	2,2',4,5,5'- PENTACHLOROBIPHENYL	0.28	0.90 J,M	0.28 U		PG/L	B1/TR/G4

Automated Data Review Detail Report for L1675327

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1668C		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
BA2B-WO5-0915-1	L1675327-8	WO	N	2,2',5,5'-TETRACHLOROBIPHENYL	0.46	2.5 J	0.46 U		PG/L	B1
BA2B-WO5-0915-1	L1675327-8	WO	N	2,2',5-TRICHLOROBIPHENYL	2.5	4.2 J	4.2 J		PG/L	TR
BA2B-WO5-0915-1	L1675327-8	WO	N	2,3,3',4',6-PENTACHLOROBIPHENYL	0.26	1.0 J	1.0 J		PG/L	TR
BA2B-WO5-0915-1	L1675327-8	WO	N	2,3',4,4',5-PENTACHLOROBIPHENYL	0.27	0.65 J	0.65 J	+	PG/L	B1/TR
BA2B-WO5-0915-1	L1675327-8	WO	N	2,4,4'-TRICHLOROBIPHENYL	1.4	2.6 J	2.6 J		PG/L	TR
BA2B-WO5-0915-1	L1675327-8	WO	N	2,4',5-TRICHLOROBIPHENYL	1.2	1.9 J	1.9 J		PG/L	TR
BA2B-WO5-0915-1	L1675327-8	WO	N	PCB061/070/074/076	0.36	1.7 J,M	1.7 J		PG/L	TR/G4
BA2B-WO75-0915-1	L1675327-9	WO	N	2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	0.14	0.43 J,M	0.43 J		PG/L	TR/G4
BA2B-WO75-0915-1	L1675327-9	WO	N	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	0.41	1.5 J	1.5 J		PG/L	TR
BA2B-WO75-0915-1	L1675327-9	WO	N	2,2',3,5'-TETRACHLOROBIPHENYL	0.43	3.4 J	3.4 J	+	PG/L	B1/TR
BA2B-WO75-0915-1	L1675327-9	WO	N	2,2',4,4',5,5'-HEXACHLOROBIPHENYL/2,3',4',4',5',6'-HEXACHLOROBIPHENYL	0.29	1.2 J	1.2 J	+	PG/L	TR/B1
BA2B-WO75-0915-1	L1675327-9	WO	N	2,2',4,4',5-PENTACHLOROBIPHENYL	0.38	0.78 J	0.78 J		PG/L	TR
BA2B-WO75-0915-1	L1675327-9	WO	N	2,2',4,5,5'-PENTACHLOROBIPHENYL	0.29	1.1 J,M	1.1 J	+	PG/L	B1/TR/G4
BA2B-WO75-0915-1	L1675327-9	WO	N	2,2',5,5'-TETRACHLOROBIPHENYL	0.61	3.0 J	3.0 J	+	PG/L	B1/TR
BA2B-WO75-0915-1	L1675327-9	WO	N	2,2',5-TRICHLOROBIPHENYL	2.5	4.0 J	4.0 J		PG/L	TR
BA2B-WO75-0915-1	L1675327-9	WO	N	2,3,3',4',6-PENTACHLOROBIPHENYL	0.26	1.4 J,M	1.4 J		PG/L	TR/G4
BA2B-WO75-0915-1	L1675327-9	WO	N	2,3',4,4',5-PENTACHLOROBIPHENYL	0.21	1.4 J	1.4 J	+	PG/L	B1/TR
BA2B-WO75-0915-1	L1675327-9	WO	N	2,4,4'-TRICHLOROBIPHENYL	1.5	2.5 J	2.5 J		PG/L	TR
BA2B-WO75-0915-1	L1675327-9	WO	N	2,4',5-TRICHLOROBIPHENYL	1.4	1.7 J	1.7 J		PG/L	TR
BA2B-WO75-0915-1	L1675327-9	WO	N	PCB061/070/074/076	0.35	1.8 J	1.8 J		PG/L	TR

Automated Data Review Detail Report for L1675327

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1668C		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
BA2C-WO30-0915-1	L1675327-11	WO	N	2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	0.10	0.56 J,M	0.56 J		PG/L	TR/G4
BA2C-WO30-0915-1	L1675327-11	WO	N	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	0.27	2.4 J	2.4 J		PG/L	TR
BA2C-WO30-0915-1	L1675327-11	WO	N	2,2',3,4',5',6'-HEXACHLOROBIPHENYL	0.29	1.8 J	1.8 J		PG/L	TR
BA2C-WO30-0915-1	L1675327-11	WO	N	2,2',3,4,5'-PENTACHLOROBIPHENYL/2,3',4,4',6-Pentachlorobiphenyl	0.50	2.1 J	2.1 J		PG/L	TR
BA2C-WO30-0915-1	L1675327-11	WO	N	2,2',3,5'-TETRACHLOROBIPHENYL	0.24	4.3 J	4.3 J	+	PG/L	B1/TR
BA2C-WO30-0915-1	L1675327-11	WO	N	2,2',4,4',5,5'-HEXACHLOROBIPHENYL/2,3',4,4',5,6'-HEXACHLOROBIPHENYL	0.19	1.8 J	1.8 J	+	PG/L	TR/B1
BA2C-WO30-0915-1	L1675327-11	WO	N	2,2',4,4',5'-PENTACHLOROBIPHENYL	0.67	1.6 J	1.6 J		PG/L	TR
BA2C-WO30-0915-1	L1675327-11	WO	N	2,2',4,5,5'-PENTACHLOROBIPHENYL	0.51	2.6 J	2.6 J	+	PG/L	B1/TR
BA2C-WO30-0915-1	L1675327-11	WO	N	2,2',4,5'-TETRACHLOROBIPHENYL	0.22	1.5 J,M	1.5 J		PG/L	TR/G4
BA2C-WO30-0915-1	L1675327-11	WO	N	2,2',5,5'-TETRACHLOROBIPHENYL	0.34	4.8 J	4.8 J	+	PG/L	B1/TR
BA2C-WO30-0915-1	L1675327-11	WO	N	2,2',5-TRICHLOROBIPHENYL	2.7	4.4 J	4.4 J		PG/L	TR
BA2C-WO30-0915-1	L1675327-11	WO	N	2,3,3',4,4'-PENTACHLOROBIPHENYL	0.25	1.3 J	1.3 J		PG/L	TR
BA2C-WO30-0915-1	L1675327-11	WO	N	2,3,3',4',6'-PENTACHLOROBIPHENYL	0.47	2.7 J	2.7 J		PG/L	TR
BA2C-WO30-0915-1	L1675327-11	WO	N	2,3',4,4',5'-PENTACHLOROBIPHENYL	0.21	1.8 J,M	1.8 J	+	PG/L	B1/TR/G4
BA2C-WO30-0915-1	L1675327-11	WO	N	2,3',4,4'-TETRACHLOROBIPHENYL	0.38	2.3 J	2.3 J		PG/L	TR
BA2C-WO30-0915-1	L1675327-11	WO	N	2,4,4'-TRICHLOROBIPHENYL	1.4	4.0 J	4.0 J		PG/L	TR
BA2C-WO30-0915-1	L1675327-11	WO	N	2,4',5-TRICHLOROBIPHENYL	1.2	2.5 J	2.5 J		PG/L	TR
BA2C-WO30-0915-1	L1675327-11	WO	N	PCB061/070/074/076	0.37	3.8 J	3.8 J		PG/L	TR

Automated Data Review Detail Report for L1675327

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1668C		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
BA2C-WO55-0915-1	L1675327-12	WO	N	2,2',3,4,4',5'- HEXACHLOROBIPHENYL	0.32	1.7 J	1.7 J		PG/L	TR
BA2C-WO55-0915-1	L1675327-12	WO	N	2,2',3,4,5'- PENTACHLOROBIPHENYL/2,3', 4,4',6-Pentachlorobiphenyl	0.22	1.3 J,M	1.3 J		PG/L	TR/G4
BA2C-WO55-0915-1	L1675327-12	WO	N	2,2',3,5'- TETRACHLOROBIPHENYL	0.27	3.3 J	3.3 J	+	PG/L	B1/TR
BA2C-WO55-0915-1	L1675327-12	WO	N	2,2',4,4',5,5'- HEXACHLOROBIPHENYL/2,3',4 ,4',5',6- HEXACHLOROBIPHENYL	0.23	1.5 J	1.5 J	+	PG/L	TR/B1
BA2C-WO55-0915-1	L1675327-12	WO	N	2,2',4,4',5- PENTACHLOROBIPHENYL	0.30	1.4 J	1.4 J		PG/L	TR
BA2C-WO55-0915-1	L1675327-12	WO	N	2,2',4,5,5'- PENTACHLOROBIPHENYL	0.23	1.9 J	1.9 J	+	PG/L	B1/TR
BA2C-WO55-0915-1	L1675327-12	WO	N	2,2',5,5'- TETRACHLOROBIPHENYL	0.39	2.3 J,M	2.3 J	+	PG/L	B1/TR/G4
BA2C-WO55-0915-1	L1675327-12	WO	N	2,2',5-TRICHLOROBIPHENYL	2.2	3.6 J	3.6 J		PG/L	TR
BA2C-WO55-0915-1	L1675327-12	WO	N	2,3,3',4',6- PENTACHLOROBIPHENYL	0.21	2.0 J	2.0 J		PG/L	TR
BA2C-WO55-0915-1	L1675327-12	WO	N	2,3',4,4',5- PENTACHLOROBIPHENYL	0.24	1.2 J,M	1.2 J	+	PG/L	B1/TR/G4
BA2C-WO55-0915-1	L1675327-12	WO	N	2,4,4'-TRICHLOROBIPHENYL	1.6	2.8 J,M	2.8 J		PG/L	TR/G4
BA2C-WO55-0915-1	L1675327-12	WO	N	2,4',5-TRICHLOROBIPHENYL	1.4	2.0 J	2.0 J		PG/L	TR
BA2C-WO55-0915-1	L1675327-12	WO	N	PCB061/070/074/076	0.36	2.0 J	2.0 J		PG/L	TR
BA2DC-WO20-0915-1	L1675327-14	WO	N	2,2',3,4,4',5'- HEXACHLOROBIPHENYL	0.46	1.7 J,M	1.7 J		PG/L	TR/G4
BA2DC-WO20-0915-1	L1675327-14	WO	N	2,2',3,4',5',6- HEXACHLOROBIPHENYL	0.44	1.3 J,M	1.3 J		PG/L	TR/G4
BA2DC-WO20-0915-1	L1675327-14	WO	N	2,2',3,5'- TETRACHLOROBIPHENYL	0.65	5.0 J,M	5.0 J	+	PG/L	B1/TR/G4
BA2DC-WO20-0915-1	L1675327-14	WO	N	2,2',4,4',5,5'- HEXACHLOROBIPHENYL/2,3',4 ,4',5',6- HEXACHLOROBIPHENYL	0.36	1.7 J,M	1.7 J		PG/L	TR/G4
BA2DC-WO20-0915-1	L1675327-14	WO	N	2,2',4,4',5- PENTACHLOROBIPHENYL	0.82	1.8 J,M	1.8 J		PG/L	TR/G4

Automated Data Review Detail Report for L1675327

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1668C		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
BA2DC-WO20-0915-1	L1675327-14	WO	N	2,2',4,5,5'-PENTACHLOROBIPHENYL	0.72	3.2 J	3.2 J		PG/L	TR
BA2DC-WO20-0915-1	L1675327-14	WO	N	2,2',4,5'-TETRACHLOROBIPHENYL	0.59	2.4 J	2.4 J		PG/L	TR
BA2DC-WO20-0915-1	L1675327-14	WO	N	2,2',5,5'-TETRACHLOROBIPHENYL	0.79	5.0 J,M	5.0 J	+	PG/L	B1/TR/G4
BA2DC-WO20-0915-1	L1675327-14	WO	N	2,3,3',4,4'-PENTACHLOROBIPHENYL	0.78	1.5 J,M	1.5 J		PG/L	TR/G4
BA2DC-WO20-0915-1	L1675327-14	WO	N	2,3,3',4',6-PENTACHLOROBIPHENYL	0.62	2.6 J,M	2.6 J		PG/L	TR/G4
BA2DC-WO20-0915-1	L1675327-14	WO	N	2,3',4,4',5-PENTACHLOROBIPHENYL	0.78	2.9 J	2.9 J		PG/L	TR
BA2DC-WO20-0915-1	L1675327-14	WO	N	2,4,4'-TRICHLOROBIPHENYL	3.0	4.9 J	4.9 J		PG/L	TR
BA2DC-WO35-0915-1	L1675327-15	WO	N	2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	0.20	0.51 J,M	0.51 J		PG/L	TR/G4
BA2DC-WO35-0915-1	L1675327-15	WO	N	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	0.29	1.6 J	1.6 J		PG/L	TR
BA2DC-WO35-0915-1	L1675327-15	WO	N	2,2',3,4',5',6-HEXACHLOROBIPHENYL	0.28	1.0 J	1.0 J		PG/L	TR
BA2DC-WO35-0915-1	L1675327-15	WO	N	2,2',3,5'-TETRACHLOROBIPHENYL	0.42	4.9 J,B	4.9 J	+	PG/L	B1/TR
BA2DC-WO35-0915-1	L1675327-15	WO	N	2,2',4,4',5,5'-HEXACHLOROBIPHENYL/2,3',4,4',5',6-HEXACHLOROBIPHENYL	0.23	1.1 J,M	1.1 J		PG/L	TR/G4
BA2DC-WO35-0915-1	L1675327-15	WO	N	2,2',4,5,5'-PENTACHLOROBIPHENYL	0.56	2.3 J	2.3 J		PG/L	TR
BA2DC-WO35-0915-1	L1675327-15	WO	N	2,2',4,5'-TETRACHLOROBIPHENYL	0.38	1.6 J	1.6 J		PG/L	TR
BA2DC-WO35-0915-1	L1675327-15	WO	N	2,2',5,5'-TETRACHLOROBIPHENYL	0.52	3.5 J	3.5 J	+	PG/L	B1/TR
BA2DC-WO35-0915-1	L1675327-15	WO	N	2,3',4,4'-TETRACHLOROBIPHENYL	0.39	2.1 J,M	2.1 J		PG/L	TR/G4
BA2DC-WO35-0915-1	L1675327-15	WO	N	2,4,4'-TRICHLOROBIPHENYL	2.1	3.8 J	3.8 J		PG/L	TR
BA2DC-WO35-0915-1	L1675327-15	WO	N	PCB061/070/074/076	0.37	3.1 J,M	3.1 J		PG/L	TR/G4
BA2DC-WO5-0915-1	L1675327-13	WO	N	2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	0.14	0.34 J,M	0.34 J		PG/L	TR/G4

Automated Data Review Detail Report for L1675327

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1668C		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
BA2DC-WO5-0915-1	L1675327-13	WO	N	2,2',3,4,4',5'- HEXACHLOROBIPHENYL	0.25	1.5 J,M	1.5 J		PG/L	TR/G4
BA2DC-WO5-0915-1	L1675327-13	WO	N	2,2',3,4,5'- PENTACHLOROBIPHENYL/2,3', 4,4',6-Pentachlorobiphenyl	0.20	1.1 J,M	1.1 J		PG/L	TR/G4
BA2DC-WO5-0915-1	L1675327-13	WO	N	2,2',3,5'- TETRACHLOROBIPHENYL	0.28	3.5 J	3.5 J	+	PG/L	B1/TR
BA2DC-WO5-0915-1	L1675327-13	WO	N	2,2',4,4',5,5'- HEXACHLOROBIPHENYL/2,3',4 ,4',5',6- HEXACHLOROBIPHENYL	0.18	1.2 J	1.2 J	+	PG/L	TR/B1
BA2DC-WO5-0915-1	L1675327-13	WO	N	2,2',4,4',5- PENTACHLOROBIPHENYL	0.27	1.3 J	1.3 J		PG/L	TR
BA2DC-WO5-0915-1	L1675327-13	WO	N	2,2',4,5,5'- PENTACHLOROBIPHENYL	0.21	1.8 J	1.8 J	+	PG/L	B1/TR
BA2DC-WO5-0915-1	L1675327-13	WO	N	2,2',4,5'- TETRACHLOROBIPHENYL	0.25	1.2 J,M	1.2 J		PG/L	TR/G4
BA2DC-WO5-0915-1	L1675327-13	WO	N	2,2',5,5'- TETRACHLOROBIPHENYL	0.39	3.1 J,M	3.1 J	+	PG/L	B1/TR/G4
BA2DC-WO5-0915-1	L1675327-13	WO	N	2,2',5-TRICHLOROBIPHENYL	2.7	5.4 J	5.4 J		PG/L	TR
BA2DC-WO5-0915-1	L1675327-13	WO	N	2,3,3',4',6- PENTACHLOROBIPHENYL	0.19	1.7 J	1.7 J		PG/L	TR
BA2DC-WO5-0915-1	L1675327-13	WO	N	2,3',4,4',5- PENTACHLOROBIPHENYL	0.16	1.1 J,M	1.1 J	+	PG/L	B1/TR/G4
BA2DC-WO5-0915-1	L1675327-13	WO	N	2,3',4,4'- TETRACHLOROBIPHENYL	0.28	1.5 J	1.5 J		PG/L	TR
BA2DC-WO5-0915-1	L1675327-13	WO	N	2,4,4'-TRICHLOROBIPHENYL	1.1	3.2 J	3.2 J		PG/L	TR
BA2DC-WO5-0915-1	L1675327-13	WO	N	2,4',5-TRICHLOROBIPHENYL	1.0	2.3 J	2.3 J		PG/L	TR
BA2DC-WO5-0915-1	L1675327-13	WO	N	PCB061/070/074/076	0.28	2.2 J	2.2 J		PG/L	TR
BA3C-WO30-0915-1	L1675327-17	WO	N	2,2',3,4,4',5'- HEXACHLOROBIPHENYL	0.59	2.0 J,M	2.0 J		PG/L	TR/G4
BA3C-WO30-0915-1	L1675327-17	WO	N	2,2',3,4',5',6- HEXACHLOROBIPHENYL	0.56	1.5 J,M	1.5 J		PG/L	TR/G4
BA3C-WO30-0915-1	L1675327-17	WO	N	2,2',3,4,5'- PENTACHLOROBIPHENYL/2,3', 4,4',6-Pentachlorobiphenyl	0.71	2.6 J	2.6 J		PG/L	TR

Automated Data Review Detail Report for L1675327

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1668C		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
BA3C-WO30-0915-1	L1675327-17	WO	N	2,2',3,5'-TETRACHLOROBIPHENYL	0.70	5.6 J,M	5.6 J	+	PG/L	B1/TR/G4
BA3C-WO30-0915-1	L1675327-17	WO	N	2,2',4,4',5,5'-HEXACHLOROBIPHENYL/2,3',4',4',5',6'-HEXACHLOROBIPHENYL	0.46	1.7 J,M	1.7 J		PG/L	TR/G4
BA3C-WO30-0915-1	L1675327-17	WO	N	2,2',4,4',5-PENTACHLOROBIPHENYL	0.86	1.6 J,M	1.6 J		PG/L	TR/G4
BA3C-WO30-0915-1	L1675327-17	WO	N	2,2',4,5,5'-PENTACHLOROBIPHENYL	0.76	4.3 J	4.3 J		PG/L	TR
BA3C-WO30-0915-1	L1675327-17	WO	N	2,2',4,5'-TETRACHLOROBIPHENYL	0.63	2.7 J	2.7 J		PG/L	TR
BA3C-WO30-0915-1	L1675327-17	WO	N	2,2',5,5'-TETRACHLOROBIPHENYL	0.85	6.0 J	6.0 J	+	PG/L	B1/TR
BA3C-WO30-0915-1	L1675327-17	WO	N	2,3,3',4',6-PENTACHLOROBIPHENYL	0.66	5.3 J	5.3 J		PG/L	TR
BA3C-WO30-0915-1	L1675327-17	WO	N	2,3',4,4',5-PENTACHLOROBIPHENYL	0.57	3.2 J	3.2 J		PG/L	TR
BA3C-WO30-0915-1	L1675327-17	WO	N	2,3',4,4'-TETRACHLOROBIPHENYL	0.85	5.1 J	5.1 J		PG/L	TR
BA3C-WO30-0915-1	L1675327-17	WO	N	2,4,4'-TRICHLOROBIPHENYL	3.6	4.5 J	4.5 J		PG/L	TR
BA3C-WO30-0915-1	L1675327-17	WO	N	PCB061/070/074/076	0.82	6.5 J	6.5 J		PG/L	TR
BA3C-WO5-0915-1	L1675327-16	WO	N	2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	0.23	0.43 J,M	0.43 J		PG/L	TR/G4
BA3C-WO5-0915-1	L1675327-16	WO	N	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	0.42	1.2 J,M	1.2 J		PG/L	TR/G4
BA3C-WO5-0915-1	L1675327-16	WO	N	2,2',3,5'-TETRACHLOROBIPHENYL	0.81	3.3 J,B	3.3 J	+	PG/L	B1/TR
BA3C-WO5-0915-1	L1675327-16	WO	N	2,2',4,4',5,5'-HEXACHLOROBIPHENYL/2,3',4',4',5',6'-HEXACHLOROBIPHENYL	0.33	1.2 J	1.2 J		PG/L	TR
BA3C-WO5-0915-1	L1675327-16	WO	N	2,2',4,5,5'-PENTACHLOROBIPHENYL	0.73	1.8 J	1.8 J		PG/L	TR
BA3C-WO5-0915-1	L1675327-16	WO	N	2,2',5,5'-TETRACHLOROBIPHENYL	0.99	3.0 J	3.0 J	+	PG/L	B1/TR

Automated Data Review Detail Report for L1675327

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1668C		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
BA3C-WO5-0915-1	L1675327-16	WO	N	2,3,3',4',6-PENTACHLOROBIPHENYL	0.64	1.7 J	1.7 J		PG/L	TR
BA3C-WO55-0915-1	L1675327-18	WO	N	2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	0.14	0.48 J	0.48 J		PG/L	TR
BA3C-WO55-0915-1	L1675327-18	WO	N	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	0.28	1.6 J,M	1.6 J		PG/L	TR/G4
BA3C-WO55-0915-1	L1675327-18	WO	N	2,2',3,4',5',6-HEXACHLOROBIPHENYL	0.24	0.79 J,M	0.79 J		PG/L	TR/G4
BA3C-WO55-0915-1	L1675327-18	WO	N	2,2',3,4,5'-PENTACHLOROBIPHENYL/2,3',4,4',6-Pentachlorobiphenyl	0.33	1.6 J,M	1.6 J		PG/L	TR/G4
BA3C-WO55-0915-1	L1675327-18	WO	N	2,2',3,5'-TETRACHLOROBIPHENYL	0.38	4.0 J,B	4.0 J	+	PG/L	B1/TR
BA3C-WO55-0915-1	L1675327-18	WO	N	2,2',4,4',5,5'-HEXACHLOROBIPHENYL/2,3',4,4',5,5',6-HEXACHLOROBIPHENYL	0.20	1.3 J	1.3 J		PG/L	TR
BA3C-WO55-0915-1	L1675327-18	WO	N	2,2',4,4',5-PENTACHLOROBIPHENYL	0.41	1.0 J,M	1.0 J		PG/L	TR/G4
BA3C-WO55-0915-1	L1675327-18	WO	N	2,2',4,5,5'-PENTACHLOROBIPHENYL	0.35	2.1 J	2.1 J		PG/L	TR
BA3C-WO55-0915-1	L1675327-18	WO	N	2,2',4,5'-TETRACHLOROBIPHENYL	0.35	1.4 J,M	1.4 J		PG/L	TR/G4
BA3C-WO55-0915-1	L1675327-18	WO	N	2,2',5,5'-TETRACHLOROBIPHENYL	0.43	3.6 J	3.6 J	+	PG/L	B1/TR
BA3C-WO55-0915-1	L1675327-18	WO	N	2,3,3',4',6-PENTACHLOROBIPHENYL	0.31	2.4 J	2.4 J		PG/L	TR
BA3C-WO55-0915-1	L1675327-18	WO	N	2,3',4,4',5-PENTACHLOROBIPHENYL	0.30	2.1 J	2.1 J		PG/L	TR
BA3C-WO55-0915-1	L1675327-18	WO	N	2,3',4,4'-TETRACHLOROBIPHENYL	0.46	2.2 J	2.2 J		PG/L	TR
BA3C-WO55-0915-1	L1675327-18	WO	N	PCB061/070/074/076	0.44	3.4 J	3.4 J		PG/L	TR
BA3C-WO58-0915-1	L1675327-19	WO	N	2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	0.16	0.45 J,M	0.45 J		PG/L	TR/G4
BA3C-WO58-0915-1	L1675327-19	WO	N	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	0.31	1.9 J	1.9 J		PG/L	TR

Automated Data Review Detail Report for L1675327

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1668C		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
BA3C-WO58-0915-1	L1675327-19	WO	N	2,2',3,4,5'-PENTACHLOROBIPHENYL/2,3',4,4',6-Pentachlorobiphenyl	0.56	1.5 J,M	1.5 J		PG/L	TR/G4
BA3C-WO58-0915-1	L1675327-19	WO	N	2,2',3,5'-TETRACHLOROBIPHENYL	0.49	5.1 J,B	5.1 J	+	PG/L	B1/TR
BA3C-WO58-0915-1	L1675327-19	WO	N	2,2',4,5,5'-PENTACHLOROBIPHENYL	0.59	2.6 J,M	2.6 J		PG/L	TR/G4
BA3C-WO58-0915-1	L1675327-19	WO	N	2,2',4,5'-TETRACHLOROBIPHENYL	0.44	1.8 J	1.8 J		PG/L	TR
BA3C-WO58-0915-1	L1675327-19	WO	N	2,2',5,5'-TETRACHLOROBIPHENYL	0.59	3.8 J	3.8 J	+	PG/L	B1/TR
BA3C-WO58-0915-1	L1675327-19	WO	N	2,3,3',4',6-PENTACHLOROBIPHENYL	0.51	3.4 J	3.4 J		PG/L	TR
BA3C-WO58-0915-1	L1675327-19	WO	N	2,3',4,4',5-PENTACHLOROBIPHENYL	0.36	2.0 J	2.0 J		PG/L	TR
BA3C-WO58-0915-1	L1675327-19	WO	N	2,3',4,4'-TETRACHLOROBIPHENYL	0.34	2.0 J	2.0 J		PG/L	TR
BA3C-WO58-0915-1	L1675327-19	WO	N	PCB061/070/074/076	0.33	3.4 J,M	3.4 J		PG/L	TR/G4
BA3DC-WO20-0915-1	L1675327-21	WO	N	2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	0.21	2.2 J	2.2 J		PG/L	TR
BA3DC-WO20-0915-1	L1675327-21	WO	N	2,2',3,4,4',5,5'-HEPTACHLOROBIPHENYL	0.67	2.0 J	2.0 J		PG/L	TR
BA3DC-WO20-0915-1	L1675327-21	WO	N	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	0.48	5.7 J,M	5.7 J		PG/L	TR/G4
BA3DC-WO20-0915-1	L1675327-21	WO	N	2,2',3,4',5',6-HEXACHLOROBIPHENYL	0.42	2.5 J,M	2.5 J		PG/L	TR/G4
BA3DC-WO20-0915-1	L1675327-21	WO	N	2,2',3,4,5'-PENTACHLOROBIPHENYL/2,3',4,4',6-Pentachlorobiphenyl	0.51	4.3 J	4.3 J		PG/L	TR
BA3DC-WO20-0915-1	L1675327-21	WO	N	2,2',3,5'-TETRACHLOROBIPHENYL	0.47	7.1 J,B	7.1 J	+	PG/L	B1/TR
BA3DC-WO20-0915-1	L1675327-21	WO	N	2,2',4,4',5,5'-HEXACHLOROBIPHENYL/2,3',4,4',5,5',6-HEXACHLOROBIPHENYL	0.34	3.4 J,M	3.4 J		PG/L	TR/G4
BA3DC-WO20-0915-1	L1675327-21	WO	N	2,2',4,4',5-PENTACHLOROBIPHENYL	0.63	3.8 J	3.8 J		PG/L	TR

Automated Data Review Detail Report for L1675327

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1668C		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
BA3DC-WO20-0915-1	L1675327-21	WO	N	2,2',4,5,5'-PENTACHLOROBIPHENYL	0.54	6.2 J,M	6.2 J		PG/L	TR/G4
BA3DC-WO20-0915-1	L1675327-21	WO	N	2,2',4,5'-TETRACHLOROBIPHENYL	0.43	3.8 J	3.8 J		PG/L	TR
BA3DC-WO20-0915-1	L1675327-21	WO	N	2,2',5,5'-TETRACHLOROBIPHENYL	0.54	7.0 J	7.0 J	+	PG/L	B1/TR
BA3DC-WO20-0915-1	L1675327-21	WO	N	2,3,3',4,4'-PENTACHLOROBIPHENYL	0.49	3.1 J,M	3.1 J		PG/L	TR/G4
BA3DC-WO20-0915-1	L1675327-21	WO	N	2,3',4,4',5-PENTACHLOROBIPHENYL	0.48	6.5 J	6.5 J		PG/L	TR
BA3DC-WO20-0915-1	L1675327-21	WO	N	2,3',4,4'-TETRACHLOROBIPHENYL	0.67	7.2 J	7.2 J		PG/L	TR
BA3DC-WO20-0915-1	L1675327-21	WO	N	2,4,4'-TRICHLOROBIPHENYL	2.2	4.0 J	4.0 J		PG/L	TR
BA3DC-WO20-0915-1	L1675327-21	WO	N	2,4',5-TRICHLOROBIPHENYL	2.2	3.0 J,M	3.0 J		PG/L	TR/G4
BA3DC-WO35-0915-1	L1675327-22	WO	N	2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	0.18	1.8 J	1.8 J		PG/L	TR
BA3DC-WO35-0915-1	L1675327-22	WO	N	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	0.45	5.2 J	5.2 J		PG/L	TR
BA3DC-WO35-0915-1	L1675327-22	WO	N	2,2',3,4',5',6-HEXACHLOROBIPHENYL	0.39	2.9 J	2.9 J		PG/L	TR
BA3DC-WO35-0915-1	L1675327-22	WO	N	2,2',3,4,5'-PENTACHLOROBIPHENYL/2,3',4,4',6-Pentachlorobiphenyl	1.3	5.3 J	5.3 J		PG/L	TR
BA3DC-WO35-0915-1	L1675327-22	WO	N	2,2',3,5'-TETRACHLOROBIPHENYL	0.31	8.1 B	8.1 J	+	PG/L	B1
BA3DC-WO35-0915-1	L1675327-22	WO	N	2,2',4,4',5,5'-HEXACHLOROBIPHENYL/2,3',4,4',5',6-HEXACHLOROBIPHENYL	0.32	3.3 J	3.3 J		PG/L	TR
BA3DC-WO35-0915-1	L1675327-22	WO	N	2,2',4,4',5-PENTACHLOROBIPHENYL	1.6	5.0 J	5.0 J		PG/L	TR
BA3DC-WO35-0915-1	L1675327-22	WO	N	2,2',4,5,5'-PENTACHLOROBIPHENYL	1.3	6.3 J	6.3 J		PG/L	TR
BA3DC-WO35-0915-1	L1675327-22	WO	N	2,2',4,5'-TETRACHLOROBIPHENYL	0.29	4.0 J,M	4.0 J		PG/L	TR/G4
BA3DC-WO35-0915-1	L1675327-22	WO	N	2,3,3',4,4'-PENTACHLOROBIPHENYL	0.40	2.5 J	2.5 J		PG/L	TR

Automated Data Review Detail Report for L1675327

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1668C		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
BA3DC-WO35-0915-1	L1675327-22	WO	N	2,3',4,4',5-PENTACHLOROBIPHENYL	0.48	6.2 J	6.2 J		PG/L	TR
BA3DC-WO35-0915-1	L1675327-22	WO	N	2,3',4,4'-TETRACHLOROBIPHENYL	0.53	7.2 J	7.2 J		PG/L	TR
BA3DC-WO35-0915-1	L1675327-22	WO	N	2,4,4'-TRICHLOROBIPHENYL	2.3	6.3 J	6.3 J		PG/L	TR
BA3DC-WO35-0915-1	L1675327-22	WO	N	2,4',5-TRICHLOROBIPHENYL	2.2	3.0 J,M	3.0 J		PG/L	TR/G4
BA3DC-WO5-0915-1	L1675327-20	WO	N	2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	0.16	0.40 J,M	0.40 J		PG/L	TR/G4
BA3DC-WO5-0915-1	L1675327-20	WO	N	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	0.27	0.98 J	0.98 J		PG/L	TR
BA3DC-WO5-0915-1	L1675327-20	WO	N	2,2',3,4',5',6-HEXACHLOROBIPHENYL	0.26	0.61 J	0.61 J		PG/L	TR
BA3DC-WO5-0915-1	L1675327-20	WO	N	2,2',3,5'-TETRACHLOROBIPHENYL	0.34	3.0 J,B	3.0 J	+	PG/L	B1/TR
BA3DC-WO5-0915-1	L1675327-20	WO	N	2,2',4,4',5,5'-HEXACHLOROBIPHENYL/2,3',4,4',5',6-HEXACHLOROBIPHENYL	0.21	0.85 J,M	0.85 J		PG/L	TR/G4
BA3DC-WO5-0915-1	L1675327-20	WO	N	2,2',4,5'-TETRACHLOROBIPHENYL	0.30	0.90 J	0.90 J		PG/L	TR
BA3DC-WO5-0915-1	L1675327-20	WO	N	2,2',5,5'-TETRACHLOROBIPHENYL	0.41	2.2 J,M	2.2 J	+	PG/L	B1/TR/G4
W1-WO30-0915-1	L1675327-27	WO	N	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	0.30	1.6 J,M	1.6 J		PG/L	TR/G4
W1-WO30-0915-1	L1675327-27	WO	N	2,2',3,4',5',6-HEXACHLOROBIPHENYL	0.26	0.98 J,M	0.98 J		PG/L	TR/G4
W1-WO30-0915-1	L1675327-27	WO	N	2,2',3,4,5'-PENTACHLOROBIPHENYL/2,3',4,4',6-Pentachlorobiphenyl	0.40	0.98 J,M	0.98 J		PG/L	TR/G4
W1-WO30-0915-1	L1675327-27	WO	N	2,2',3,5'-TETRACHLOROBIPHENYL	0.29	3.7 J,B	3.7 J	+	PG/L	B1/TR
W1-WO30-0915-1	L1675327-27	WO	N	2,2',4,4',5,5'-HEXACHLOROBIPHENYL/2,3',4,4',5',6-HEXACHLOROBIPHENYL	0.21	1.1 J,M	1.1 J		PG/L	TR/G4
W1-WO30-0915-1	L1675327-27	WO	N	2,2',4,4',5-PENTACHLOROBIPHENYL	0.49	0.93 J	0.93 J		PG/L	TR

Automated Data Review Detail Report for L1675327

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1668C		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
W1-WO30-0915-1	L1675327-27	WO	N	2,2',4,5,5'-PENTACHLOROBIPHENYL	0.42	2.2 J	2.2 J		PG/L	TR
W1-WO30-0915-1	L1675327-27	WO	N	2,2',4,5'-TETRACHLOROBIPHENYL	0.26	1.5 J	1.5 J		PG/L	TR
W1-WO30-0915-1	L1675327-27	WO	N	2,2',5,5'-TETRACHLOROBIPHENYL	0.32	3.1 J	3.1 J	+	PG/L	B1/TR
W1-WO30-0915-1	L1675327-27	WO	N	2,2',5-TRICHLOROBIPHENYL	1.8	2.0 J,M	2.0 J		PG/L	TR/G4
W1-WO30-0915-1	L1675327-27	WO	N	2,3,3',4',6-PENTACHLOROBIPHENYL	0.38	2.7 J	2.7 J		PG/L	TR
W1-WO30-0915-1	L1675327-27	WO	N	2,3',4,4',5-PENTACHLOROBIPHENYL	0.29	1.8 J,M	1.8 J		PG/L	TR/G4
W1-WO30-0915-1	L1675327-27	WO	N	2,3',4,4'-TETRACHLOROBIPHENYL	0.43	1.3 J,M	1.3 J		PG/L	TR/G4
W1-WO30-0915-1	L1675327-27	WO	N	2,4,4'-TRICHLOROBIPHENYL	1.7	2.7 J,M	2.7 J		PG/L	TR/G4
W1-WO30-0915-1	L1675327-27	WO	N	PCB061/070/074/076	0.41	2.8 J	2.8 J		PG/L	TR
W1-WO5-0915-1	L1675327-26	WO	N	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	0.87	1.9 J,M	1.9 J		PG/L	TR/G4
W1-WO5-0915-1	L1675327-26	WO	N	2,2',3,5'-TETRACHLOROBIPHENYL	1.0	2.1 J,M	1.0 U		PG/L	B1/G4
W1-WO5-0915-1	L1675327-26	WO	N	2,2',4,4',5,5'-HEXACHLOROBIPHENYL/2,3',4,4',5',6-HEXACHLOROBIPHENYL	0.62	1.6 J	1.6 J		PG/L	TR
W1-WO5-0915-1	L1675327-26	WO	N	2,2',5,5'-TETRACHLOROBIPHENYL	1.1	3.0 J,M	3.0 J	+	PG/L	B1/TR/G4
W1-WO55-0915-1	L1675327-28	WO	N	2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	0.15	0.72 J	0.72 J		PG/L	TR
W1-WO55-0915-1	L1675327-28	WO	N	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	0.27	0.90 J,M	0.90 J		PG/L	TR/G4
W1-WO55-0915-1	L1675327-28	WO	N	2,2',3,4',5',6-HEXACHLOROBIPHENYL	0.24	0.70 J,M	0.70 J		PG/L	TR/G4
W1-WO55-0915-1	L1675327-28	WO	N	2,2',3,4,5'-PENTACHLOROBIPHENYL/2,3',4,4',6-Pentachlorobiphenyl	0.34	1.1 J	1.1 J		PG/L	TR
W1-WO55-0915-1	L1675327-28	WO	N	2,2',3,5'-TETRACHLOROBIPHENYL	0.33	2.7 J,M	0.33 U		PG/L	B1/G4

Automated Data Review Detail Report for L1675327

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1668C		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
W1-WO55-0915-1	L1675327-28	WO	N	2,2',4,4',5,5'- HEXACHLOROBIPHENYL/2,3',4 ,4',5',6- HEXACHLOROBIPHENYL	0.19	1.0 J,M	1.0 J		PG/L	TR/G4
W1-WO55-0915-1	L1675327-28	WO	N	2,2',4,4',5- PENTACHLOROBIPHENYL	0.42	0.86 J,M	0.86 J		PG/L	TR/G4
W1-WO55-0915-1	L1675327-28	WO	N	2,2',4,5,5'- PENTACHLOROBIPHENYL	0.36	1.8 J	1.8 J		PG/L	TR
W1-WO55-0915-1	L1675327-28	WO	N	2,2',4,5'- TETRACHLOROBIPHENYL	0.30	0.70 J,M	0.70 J		PG/L	TR/G4
W1-WO55-0915-1	L1675327-28	WO	N	2,2',5,5'- TETRACHLOROBIPHENYL	0.38	2.3 J	2.3 J	+	PG/L	B1/TR
W1-WO55-0915-1	L1675327-28	WO	N	2,3,3',4',6- PENTACHLOROBIPHENYL	0.32	1.4 J,M	1.4 J		PG/L	TR/G4
W1-WO55-0915-1	L1675327-28	WO	N	2,3',4,4',5- PENTACHLOROBIPHENYL	0.37	0.95 J	0.95 J		PG/L	TR
W1-WO55-0915-1	L1675327-28	WO	N	2,4,4'-TRICHLOROBIPHENYL	1.6	1.6 J,M	1.6 J		PG/L	TR/G4
W1-WO55-0915-1	L1675327-28	WO	N	PCB061/070/074/076	0.27	1.8 J	1.8 J		PG/L	TR
W1-WO58-0915-1	L1675327-29	WO	N	2,2',3,4,4',5'- HEXACHLOROBIPHENYL	0.30	1.6 J,M	1.6 J		PG/L	TR/G4
W1-WO58-0915-1	L1675327-29	WO	N	2,2',3,4',5',6- HEXACHLOROBIPHENYL	0.26	0.90 J,M	0.90 J		PG/L	TR/G4
W1-WO58-0915-1	L1675327-29	WO	N	2,2',3,5'- TETRACHLOROBIPHENYL	0.40	3.1 J,M	0.40 U		PG/L	B1/G4
W1-WO58-0915-1	L1675327-29	WO	N	2,2',4,4',5,5'- HEXACHLOROBIPHENYL/2,3',4 ,4',5',6- HEXACHLOROBIPHENYL	0.21	1.2 J,M	1.2 J		PG/L	TR/G4
W1-WO58-0915-1	L1675327-29	WO	N	2,2',4,5'- TETRACHLOROBIPHENYL	0.36	1.4 J	1.4 J		PG/L	TR
W1-WO58-0915-1	L1675327-29	WO	N	2,2',5,5'- TETRACHLOROBIPHENYL	0.45	2.7 J	2.7 J	+	PG/L	B1/TR
W1-WO58-0915-1	L1675327-29	WO	N	2,3',4,4',5- PENTACHLOROBIPHENYL	0.31	1.3 J,M	1.3 J		PG/L	TR/G4

Automated Data Review Detail Report for L1675327

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1668C		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
W1-WO58-0915-1	L1675327-29	WO	N	2,4,4'-TRICHLOROBIPHENYL	1.9	2.2 J,M	2.2 J		PG/L	TR/G4

Test Method: E1699		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
BA10DC-WO20-0915-1	L1675327-24	WO	N	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0006	0.0006 U	0.0006 UJ		NG/L	H2
BA10DC-WO20-0915-1	L1675327-24	WO	N	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.055	0.055 U	0.055 UJ		NG/L	H2
BA10DC-WO20-0915-1	L1675327-24	WO	N	o,p'-DDD	0.016	0.016 U	0.016 UJ		NG/L	H2
BA10DC-WO20-0915-1	L1675327-24	WO	N	o,p'-DDE	0.0091	0.0091 U	0.0091 UJ		NG/L	H2
BA10DC-WO20-0915-1	L1675327-24	WO	N	o,p'-DDT	0.10	0.10 U	0.10 UJ		NG/L	H2
BA10DC-WO20-0915-1	L1675327-24	WO	N	p,p'-DDD	0.050	0.050 U	0.050 UJ		NG/L	H2
BA10DC-WO20-0915-1	L1675327-24	WO	N	p,p'-DDE	0.028	0.036 B	0.028 U		NG/L	H2/B1
BA10DC-WO20-0915-1	L1675327-24	WO	N	p,p'-DDT	0.29	0.29 U	0.29 UJ		NG/L	H2
BA10DC-WO35-0915-1	L1675327-25	WO	N	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0003	0.0026 J	0.0026 J	-	NG/L	H2/TR
BA10DC-WO35-0915-1	L1675327-25	WO	N	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.043	0.043 U	0.043 UJ		NG/L	H2
BA10DC-WO35-0915-1	L1675327-25	WO	N	o,p'-DDD	0.0094	0.0094 U	0.0094 UJ		NG/L	H2
BA10DC-WO35-0915-1	L1675327-25	WO	N	o,p'-DDE	0.0075	0.023 J	0.023 J	-	NG/L	H2/C11/TR
BA10DC-WO35-0915-1	L1675327-25	WO	N	o,p'-DDT	0.10	0.10 U	0.10 UJ		NG/L	H2
BA10DC-WO35-0915-1	L1675327-25	WO	N	p,p'-DDD	0.052	0.052 U	0.052 UJ		NG/L	H2
BA10DC-WO35-0915-1	L1675327-25	WO	N	p,p'-DDE	0.029	0.16 B	0.16 J	-	NG/L	H2
BA10DC-WO35-0915-1	L1675327-25	WO	N	p,p'-DDT	0.19	0.19 U	0.19 UJ		NG/L	H2
BA10DC-WO5-0915-1	L1675327-23	WO	N	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0005	0.0005 U	0.0005 UJ		NG/L	H2

Automated Data Review Detail Report for L1675327

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1699		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
BA10DC-WO5-0915-1	L1675327-23	WO	N	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.047	0.047 U	0.047 UJ		NG/L	H2
BA10DC-WO5-0915-1	L1675327-23	WO	N	o,p'-DDD	0.011	0.011 U	0.011 UJ		NG/L	H2
BA10DC-WO5-0915-1	L1675327-23	WO	N	o,p'-DDE	0.0088	0.0088 U	0.0088 UJ		NG/L	H2
BA10DC-WO5-0915-1	L1675327-23	WO	N	o,p'-DDT	0.11	0.11 U	0.11 UJ		NG/L	H2
BA10DC-WO5-0915-1	L1675327-23	WO	N	p,p'-DDD	0.053	0.053 U	0.053 UJ		NG/L	H2
BA10DC-WO5-0915-1	L1675327-23	WO	N	p,p'-DDE	0.026	0.028 M	0.028 J		NG/L	H2/B1/G4
BA10DC-WO5-0915-1	L1675327-23	WO	N	p,p'-DDT	0.23	0.23 U	0.23 UJ		NG/L	H2
BA1C-WO30-0915-1	L1675327-2	WO	N	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0003	0.0061 J	0.0061 J	-	NG/L	H2/TR
BA1C-WO30-0915-1	L1675327-2	WO	N	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.014	0.13 M	0.13 J	-	NG/L	H2
BA1C-WO30-0915-1	L1675327-2	WO	N	o,p'-DDD	0.0025	0.0078 J	0.0078 J	-	NG/L	H2/TR
BA1C-WO30-0915-1	L1675327-2	WO	N	o,p'-DDE	0.0021	0.046 M	0.046 J	-	NG/L	H2/C11
BA1C-WO30-0915-1	L1675327-2	WO	N	o,p'-DDT	0.041	0.041 U	0.041 UJ		NG/L	H2
BA1C-WO30-0915-1	L1675327-2	WO	N	p,p'-DDD	0.021	0.021 M,U	0.021 UJ		NG/L	H2
BA1C-WO30-0915-1	L1675327-2	WO	N	p,p'-DDE	0.0078	0.17 B	0.17 J	-	NG/L	H2
BA1C-WO30-0915-1	L1675327-2	WO	N	p,p'-DDT	0.084	0.084 U	0.084 UJ		NG/L	H2
BA1C-WO5-0915-1	L1675327-1	WO	N	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0003	0.0022 J	0.0022 J	-	NG/L	H2/TR
BA1C-WO5-0915-1	L1675327-1	WO	N	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.013	0.013 U	0.013 UJ		NG/L	H2
BA1C-WO5-0915-1	L1675327-1	WO	N	o,p'-DDD	0.0019	0.0019 U	0.0019 UJ		NG/L	H2
BA1C-WO5-0915-1	L1675327-1	WO	N	o,p'-DDE	0.0013	0.014 J	0.014 J	-	NG/L	H2/C11/TR
BA1C-WO5-0915-1	L1675327-1	WO	N	o,p'-DDT	0.012	0.012 U	0.012 UJ		NG/L	H2
BA1C-WO5-0915-1	L1675327-1	WO	N	p,p'-DDD	0.0059	0.012 J,M	0.012 J		NG/L	B1/H2/TR/G4
BA1C-WO5-0915-1	L1675327-1	WO	N	p,p'-DDE	0.0049	0.062 B	0.062 J	-	NG/L	H2
BA1C-WO5-0915-1	L1675327-1	WO	N	p,p'-DDT	0.060	0.060 U	0.060 UJ		NG/L	H2
BA1C-WO55-0915-1	L1675327-3	WO	N	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0002	0.013 J	0.013 J	-	NG/L	H2/TR
BA1C-WO55-0915-1	L1675327-3	WO	N	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.015	0.27 M	0.27 J	-	NG/L	H2

Automated Data Review Detail Report for L1675327

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1699		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
BA1C-WO55-0915-1	L1675327-3	WO	N	o,p'-DDD	0.0030	0.0030 U	0.0030 UJ		NG/L	H2
BA1C-WO55-0915-1	L1675327-3	WO	N	o,p'-DDE	0.0019	0.073	0.073 J	-	NG/L	H2/C11
BA1C-WO55-0915-1	L1675327-3	WO	N	o,p'-DDT	0.040	0.040 U	0.040 UJ		NG/L	H2
BA1C-WO55-0915-1	L1675327-3	WO	N	p,p'-DDD	0.020	0.021 J,B	0.021 J		NG/L	B1/H2/TR
BA1C-WO55-0915-1	L1675327-3	WO	N	p,p'-DDE	0.0072	0.34 B	0.34 J	-	NG/L	H2
BA1C-WO55-0915-1	L1675327-3	WO	N	p,p'-DDT	0.065	0.065 U	0.065 UJ		NG/L	H2
BA1C-WO60-0915-1	L1675327-4	WO	N	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0002	0.014 J	0.014 J	-	NG/L	H2/TR
BA1C-WO60-0915-1	L1675327-4	WO	N	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.013	0.18 M	0.18 J	-	NG/L	H2
BA1C-WO60-0915-1	L1675327-4	WO	N	o,p'-DDD	0.0022	0.0022 U	0.0022 UJ		NG/L	H2
BA1C-WO60-0915-1	L1675327-4	WO	N	o,p'-DDE	0.0013	0.045	0.045 J	-	NG/L	H2/C11
BA1C-WO60-0915-1	L1675327-4	WO	N	o,p'-DDT	0.012	0.012 M,U	0.012 UJ		NG/L	H2
BA1C-WO60-0915-1	L1675327-4	WO	N	p,p'-DDD	0.0058	0.019 J,B	0.019 J		NG/L	B1/H2/TR
BA1C-WO60-0915-1	L1675327-4	WO	N	p,p'-DDE	0.0058	0.19 B	0.19 J	-	NG/L	H2
BA1C-WO60-0915-1	L1675327-4	WO	N	p,p'-DDT	0.060	0.060 U	0.060 UJ		NG/L	H2
BA1DC-WO20-0915-1	L1675327-6	WO	N	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0003	0.0049 J	0.0049 J	-	NG/L	H2/TR
BA1DC-WO20-0915-1	L1675327-6	WO	N	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.015	0.082 M	0.082 J	-	NG/L	H2
BA1DC-WO20-0915-1	L1675327-6	WO	N	o,p'-DDD	0.0027	0.0027 U	0.0027 UJ		NG/L	H2
BA1DC-WO20-0915-1	L1675327-6	WO	N	o,p'-DDE	0.0017	0.032	0.032 J	-	NG/L	H2/C11
BA1DC-WO20-0915-1	L1675327-6	WO	N	o,p'-DDT	0.019	0.019 U	0.019 UJ		NG/L	H2
BA1DC-WO20-0915-1	L1675327-6	WO	N	p,p'-DDD	0.0095	0.024 B	0.024 J		NG/L	H2/B1
BA1DC-WO20-0915-1	L1675327-6	WO	N	p,p'-DDE	0.0058	0.15 B	0.15 J	-	NG/L	H2
BA1DC-WO20-0915-1	L1675327-6	WO	N	p,p'-DDT	0.059	0.059 U	0.059 UJ		NG/L	H2
BA1DC-WO35-0915-1	L1675327-7	WO	N	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0003	0.0024 J	0.0024 J	-	NG/L	H2/TR
BA1DC-WO35-0915-1	L1675327-7	WO	N	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.013	0.050 M	0.050 J	-	NG/L	H2
BA1DC-WO35-0915-1	L1675327-7	WO	N	o,p'-DDD	0.0033	0.0033 U	0.0033 UJ		NG/L	H2

Automated Data Review Detail Report for L1675327

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1699		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
BA1DC-WO35-0915-1	L1675327-7	WO	N	o,p'-DDE	0.0028	0.016 J	0.016 J	-	NG/L	H2/C11/TR
BA1DC-WO35-0915-1	L1675327-7	WO	N	o,p'-DDT	0.029	0.029 U	0.029 UJ		NG/L	H2
BA1DC-WO35-0915-1	L1675327-7	WO	N	p,p'-DDD	0.014	0.017 J,B	0.017 J		NG/L	B1/H2/TR
BA1DC-WO35-0915-1	L1675327-7	WO	N	p,p'-DDE	0.0081	0.086 B	0.086 J	-	NG/L	H2
BA1DC-WO35-0915-1	L1675327-7	WO	N	p,p'-DDT	0.062	0.062 U	0.062 UJ		NG/L	H2
BA2B-WO5-0915-1	L1675327-8	WO	N	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0003	0.0003 U	0.0003 UJ		NG/L	H2
BA2B-WO5-0915-1	L1675327-8	WO	N	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.015	0.015 U	0.015 UJ		NG/L	H2
BA2B-WO5-0915-1	L1675327-8	WO	N	o,p'-DDD	0.0040	0.0040 U	0.0040 UJ		NG/L	H2
BA2B-WO5-0915-1	L1675327-8	WO	N	o,p'-DDE	0.0022	0.0022 U	0.0022 UJ		NG/L	H2
BA2B-WO5-0915-1	L1675327-8	WO	N	o,p'-DDT	0.055	0.055 U	0.055 UJ		NG/L	H2
BA2B-WO5-0915-1	L1675327-8	WO	N	p,p'-DDD	0.027	0.027 U	0.027 UJ		NG/L	H2
BA2B-WO5-0915-1	L1675327-8	WO	N	p,p'-DDE	0.010	0.026 B	0.010 U		NG/L	H2/B1
BA2B-WO5-0915-1	L1675327-8	WO	N	p,p'-DDT	0.12	0.12 U	0.12 UJ		NG/L	H2
BA2B-WO75-0915-1	L1675327-9	WO	N	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0002	0.0018 J	0.0018 J	-	NG/L	H2/TR
BA2B-WO75-0915-1	L1675327-9	WO	N	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.010	0.028 M	0.028 J	-	NG/L	H2
BA2B-WO75-0915-1	L1675327-9	WO	N	o,p'-DDD	0.0030	0.0073 J	0.0073 J	-	NG/L	H2/TR
BA2B-WO75-0915-1	L1675327-9	WO	N	o,p'-DDE	0.0032	0.014 J	0.014 J	-	NG/L	H2/C11/TR
BA2B-WO75-0915-1	L1675327-9	WO	N	o,p'-DDT	0.028	0.028 U	0.028 UJ		NG/L	H2
BA2B-WO75-0915-1	L1675327-9	WO	N	p,p'-DDD	0.014	0.014 U	0.014 UJ		NG/L	H2
BA2B-WO75-0915-1	L1675327-9	WO	N	p,p'-DDE	0.010	0.083 B	0.083 J	-	NG/L	H2
BA2B-WO75-0915-1	L1675327-9	WO	N	p,p'-DDT	0.11	0.11 U	0.11 UJ		NG/L	H2
BA2C-WO30-0915-1	L1675327-11	WO	N	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0003	0.0059 J	0.0059 J	-	NG/L	H2/TR
BA2C-WO30-0915-1	L1675327-11	WO	N	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.023	0.15	0.15 J	-	NG/L	H2
BA2C-WO30-0915-1	L1675327-11	WO	N	o,p'-DDD	0.0067	0.016 J	0.016 J	-	NG/L	H2/TR
BA2C-WO30-0915-1	L1675327-11	WO	N	o,p'-DDE	0.0049	0.048 M	0.048 J	-	NG/L	H2/C11

Automated Data Review Detail Report for L1675327

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1699		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
BA2C-WO30-0915-1	L1675327-11	WO	N	o,p'-DDT	0.026	0.026 U	0.026 UJ		NG/L	H2
BA2C-WO30-0915-1	L1675327-11	WO	N	p,p'-DDD	0.013	0.033 B	0.033 J		NG/L	H2/B1
BA2C-WO30-0915-1	L1675327-11	WO	N	p,p'-DDE	0.010	0.20 B	0.20 J	-	NG/L	H2
BA2C-WO30-0915-1	L1675327-11	WO	N	p,p'-DDT	0.13	0.13 U	0.13 UJ		NG/L	H2
BA2C-WO55-0915-1	L1675327-12	WO	N	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0004	0.0035 J	0.0035 J	-	NG/L	H2/TR
BA2C-WO55-0915-1	L1675327-12	WO	N	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.048	0.11 M	0.11 J	-	NG/L	H2
BA2C-WO55-0915-1	L1675327-12	WO	N	o,p'-DDD	0.010	0.010 U	0.010 UJ		NG/L	H2
BA2C-WO55-0915-1	L1675327-12	WO	N	o,p'-DDE	0.0075	0.024 M	0.024 J	-	NG/L	H2/C11
BA2C-WO55-0915-1	L1675327-12	WO	N	o,p'-DDT	0.090	0.090 U	0.090 UJ		NG/L	H2
BA2C-WO55-0915-1	L1675327-12	WO	N	p,p'-DDD	0.045	0.045 U	0.045 UJ		NG/L	H2
BA2C-WO55-0915-1	L1675327-12	WO	N	p,p'-DDE	0.029	0.14 B	0.14 J	-	NG/L	H2
BA2C-WO55-0915-1	L1675327-12	WO	N	p,p'-DDT	0.30	0.30 U	0.30 UJ		NG/L	H2
BA2DC-WO20-0915-1	L1675327-14	WO	N	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0002	0.010 J	0.010 J		NG/L	B1/H2/TR
BA2DC-WO20-0915-1	L1675327-14	WO	N	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.0065	0.090 M	0.090 J	-	NG/L	H2
BA2DC-WO20-0915-1	L1675327-14	WO	N	o,p'-DDD	0.0040	0.0040 U	0.0040 UJ		NG/L	H2
BA2DC-WO20-0915-1	L1675327-14	WO	N	o,p'-DDE	0.0007	0.034	0.034 J		NG/L	H2/B1
BA2DC-WO20-0915-1	L1675327-14	WO	N	o,p'-DDT	0.011	0.011 U	0.011 UJ		NG/L	H2
BA2DC-WO20-0915-1	L1675327-14	WO	N	p,p'-DDD	0.0084	0.023 M	0.023 J		NG/L	B1/H2/G4
BA2DC-WO20-0915-1	L1675327-14	WO	N	p,p'-DDE	0.0029	0.18 B	0.18 J		NG/L	H2/B1
BA2DC-WO20-0915-1	L1675327-14	WO	N	p,p'-DDT	0.031	0.031 U	0.031 UJ		NG/L	H2
BA2DC-WO35-0915-1	L1675327-15	WO	N	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0003	0.011 J	0.011 J		NG/L	B1/H2/TR
BA2DC-WO35-0915-1	L1675327-15	WO	N	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.0091	0.11 M	0.11 J	-	NG/L	H2
BA2DC-WO35-0915-1	L1675327-15	WO	N	o,p'-DDD	0.0041	0.0041 U	0.0041 UJ		NG/L	H2
BA2DC-WO35-0915-1	L1675327-15	WO	N	o,p'-DDE	0.0011	0.029	0.029 J		NG/L	H2/B1
BA2DC-WO35-0915-1	L1675327-15	WO	N	o,p'-DDT	0.022	0.022 U	0.022 UJ		NG/L	H2

Automated Data Review Detail Report for L1675327

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1699		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
BA2DC-WO35-0915-1	L1675327-15	WO	N	p,p'-DDD	0.017	0.017 U	0.017 UJ		NG/L	H2
BA2DC-WO35-0915-1	L1675327-15	WO	N	p,p'-DDE	0.0054	0.16 B	0.16 J		NG/L	H2/B1
BA2DC-WO35-0915-1	L1675327-15	WO	N	p,p'-DDT	0.048	0.048 U	0.048 UJ		NG/L	H2
BA2DC-WO5-0915-1	L1675327-13	WO	N	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0004	0.0021 J	0.0021 J	-	NG/L	H2/TR
BA2DC-WO5-0915-1	L1675327-13	WO	N	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.026	0.026 U	0.026 UJ		NG/L	H2
BA2DC-WO5-0915-1	L1675327-13	WO	N	o,p'-DDD	0.0068	0.0068 U	0.0068 UJ		NG/L	H2
BA2DC-WO5-0915-1	L1675327-13	WO	N	o,p'-DDE	0.0052	0.017 J	0.017 J	-	NG/L	H2/C11/TR
BA2DC-WO5-0915-1	L1675327-13	WO	N	o,p'-DDT	0.075	0.075 U	0.075 UJ		NG/L	H2
BA2DC-WO5-0915-1	L1675327-13	WO	N	p,p'-DDD	0.038	0.038 U	0.038 UJ		NG/L	H2
BA2DC-WO5-0915-1	L1675327-13	WO	N	p,p'-DDE	0.022	0.082 B	0.082 J	-	NG/L	H2
BA2DC-WO5-0915-1	L1675327-13	WO	N	p,p'-DDT	0.33	0.33 U	0.33 UJ		NG/L	H2
BA3C-WO30-0915-1	L1675327-17	WO	N	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0002	0.019 M,[J]	0.019 J		NG/L	B1/H2/TR
BA3C-WO30-0915-1	L1675327-17	WO	N	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.016	0.25	0.25 J	-	NG/L	H2
BA3C-WO30-0915-1	L1675327-17	WO	N	o,p'-DDD	0.0069	0.0069 U	0.0069 UJ		NG/L	H2
BA3C-WO30-0915-1	L1675327-17	WO	N	o,p'-DDE	0.0017	0.067	0.067 J		NG/L	H2/B1
BA3C-WO30-0915-1	L1675327-17	WO	N	o,p'-DDT	0.034	0.034 U	0.034 UJ		NG/L	H2
BA3C-WO30-0915-1	L1675327-17	WO	N	p,p'-DDD	0.027	0.038 M	0.038 J	-	NG/L	H2
BA3C-WO30-0915-1	L1675327-17	WO	N	p,p'-DDE	0.0060	0.31	0.31 J		NG/L	H2/B1
BA3C-WO30-0915-1	L1675327-17	WO	N	p,p'-DDT	0.064	0.064 U	0.064 UJ		NG/L	H2
BA3C-WO5-0915-1	L1675327-16	WO	N	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0003	0.0022 J	0.0022 J		NG/L	B1/H2/TR
BA3C-WO5-0915-1	L1675327-16	WO	N	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.0081	0.015 M,[J],	0.015 J	-	NG/L	H2/TR
BA3C-WO5-0915-1	L1675327-16	WO	N	o,p'-DDD	0.0040	0.0040 U	0.0040 UJ		NG/L	H2
BA3C-WO5-0915-1	L1675327-16	WO	N	o,p'-DDE	0.0014	0.010 M,[J],	0.010 J		NG/L	B1/H2/TR
BA3C-WO5-0915-1	L1675327-16	WO	N	o,p'-DDT	0.020	0.020 U	0.020 UJ		NG/L	H2
BA3C-WO5-0915-1	L1675327-16	WO	N	p,p'-DDD	0.015	0.015 U	0.015 UJ		NG/L	H2

Automated Data Review Detail Report for L1675327

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1699		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
BA3C-WO5-0915-1	L1675327-16	WO	N	p,p'-DDE	0.0062	0.065 B	0.065 J		NG/L	H2/B1
BA3C-WO5-0915-1	L1675327-16	WO	N	p,p'-DDT	0.091	0.091 U	0.091 UJ		NG/L	H2
BA3C-WO55-0915-1	L1675327-18	WO	N	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0003	0.0099 J	0.0099 J		NG/L	B1/H2/TR
BA3C-WO55-0915-1	L1675327-18	WO	N	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.023	0.12	0.12 J	-	NG/L	H2
BA3C-WO55-0915-1	L1675327-18	WO	N	o,p'-DDD	0.0059	0.0059 U	0.0059 UJ		NG/L	H2
BA3C-WO55-0915-1	L1675327-18	WO	N	o,p'-DDE	0.0028	0.030	0.030 J		NG/L	H2/B1
BA3C-WO55-0915-1	L1675327-18	WO	N	o,p'-DDT	0.035	0.035 U	0.035 UJ		NG/L	H2
BA3C-WO55-0915-1	L1675327-18	WO	N	p,p'-DDD	0.027	0.027 U	0.027 UJ		NG/L	H2
BA3C-WO55-0915-1	L1675327-18	WO	N	p,p'-DDE	0.011	0.15 B	0.15 J		NG/L	H2/B1
BA3C-WO55-0915-1	L1675327-18	WO	N	p,p'-DDT	0.087	0.087 U	0.087 UJ		NG/L	H2
BA3C-WO58-0915-1	L1675327-19	WO	N	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0003	0.012 J	0.012 J		NG/L	B1/H2/TR
BA3C-WO58-0915-1	L1675327-19	WO	N	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.015	0.16 M	0.16 J	-	NG/L	H2
BA3C-WO58-0915-1	L1675327-19	WO	N	o,p'-DDD	0.0090	0.0090 U	0.0090 UJ		NG/L	H2
BA3C-WO58-0915-1	L1675327-19	WO	N	o,p'-DDE	0.0020	0.037	0.037 J		NG/L	H2/B1
BA3C-WO58-0915-1	L1675327-19	WO	N	o,p'-DDT	0.052	0.052 U	0.052 UJ		NG/L	H2
BA3C-WO58-0915-1	L1675327-19	WO	N	p,p'-DDD	0.040	0.040 U	0.040 UJ		NG/L	H2
BA3C-WO58-0915-1	L1675327-19	WO	N	p,p'-DDE	0.0095	0.21 B	0.21 J		NG/L	H2/B1
BA3C-WO58-0915-1	L1675327-19	WO	N	p,p'-DDT	0.075	0.075 U	0.075 UJ		NG/L	H2
BA3DC-WO20-0915-1	L1675327-21	WO	N	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0004	0.030	0.030 J	-	NG/L	H2
BA3DC-WO20-0915-1	L1675327-21	WO	N	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.032	0.39	0.39 J	-	NG/L	H2
BA3DC-WO20-0915-1	L1675327-21	WO	N	o,p'-DDD	0.013	0.013 U	0.013 UJ		NG/L	H2
BA3DC-WO20-0915-1	L1675327-21	WO	N	o,p'-DDE	0.0032	0.11	0.11 J		NG/L	H2/B1
BA3DC-WO20-0915-1	L1675327-21	WO	N	o,p'-DDT	0.049	0.049 U	0.049 UJ		NG/L	H2
BA3DC-WO20-0915-1	L1675327-21	WO	N	p,p'-DDD	0.039	0.039 U	0.039 UJ		NG/L	H2
BA3DC-WO20-0915-1	L1675327-21	WO	N	p,p'-DDE	0.013	0.58	0.58 J		NG/L	H2/B1

Automated Data Review Detail Report for L1675327

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1699		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
BA3DC-WO20-0915-1	L1675327-21	WO	N	p,p'-DDT	0.11	0.11 U	0.11 UJ		NG/L	H2
BA3DC-WO35-0915-1	L1675327-22	WO	N	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0005	0.045	0.045 J	-	NG/L	H2
BA3DC-WO35-0915-1	L1675327-22	WO	N	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.028	0.52	0.52 J	-	NG/L	H2
BA3DC-WO35-0915-1	L1675327-22	WO	N	o,p'-DDD	0.015	0.015 U	0.015 UJ		NG/L	H2
BA3DC-WO35-0915-1	L1675327-22	WO	N	o,p'-DDE	0.0037	0.12	0.12 J		NG/L	H2/B1
BA3DC-WO35-0915-1	L1675327-22	WO	N	o,p'-DDT	0.058	0.058 U	0.058 UJ		NG/L	H2
BA3DC-WO35-0915-1	L1675327-22	WO	N	p,p'-DDD	0.045	0.057	0.057 J	-	NG/L	H2
BA3DC-WO35-0915-1	L1675327-22	WO	N	p,p'-DDE	0.016	0.59	0.59 J		NG/L	H2/B1
BA3DC-WO35-0915-1	L1675327-22	WO	N	p,p'-DDT	0.21	0.21 U	0.21 UJ		NG/L	H2
BA3DC-WO5-0915-1	L1675327-20	WO	N	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0003	0.0003 U	0.0003 UJ		NG/L	H2
BA3DC-WO5-0915-1	L1675327-20	WO	N	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.015	0.015 U	0.015 UJ		NG/L	H2
BA3DC-WO5-0915-1	L1675327-20	WO	N	o,p'-DDD	0.0088	0.0088 U	0.0088 UJ		NG/L	H2
BA3DC-WO5-0915-1	L1675327-20	WO	N	o,p'-DDE	0.0028	0.0028 U	0.0028 UJ		NG/L	H2
BA3DC-WO5-0915-1	L1675327-20	WO	N	o,p'-DDT	0.029	0.029 U	0.029 UJ		NG/L	H2
BA3DC-WO5-0915-1	L1675327-20	WO	N	p,p'-DDD	0.022	0.022 U	0.022 UJ		NG/L	H2
BA3DC-WO5-0915-1	L1675327-20	WO	N	p,p'-DDE	0.010	0.022 M,[J],	0.010 U		NG/L	B1/H2
BA3DC-WO5-0915-1	L1675327-20	WO	N	p,p'-DDT	0.10	0.10 U	0.10 UJ		NG/L	H2
W1-WO30-0915-1	L1675327-27	WO	N	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0004	0.0036 J	0.0036 J		NG/L	B1/H2/TR
W1-WO30-0915-1	L1675327-27	WO	N	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.024	0.024 U	0.024 UJ		NG/L	H2
W1-WO30-0915-1	L1675327-27	WO	N	o,p'-DDD	0.014	0.014 U	0.014 UJ		NG/L	H2
W1-WO30-0915-1	L1675327-27	WO	N	o,p'-DDE	0.0030	0.020 [J],[B	0.020 J		NG/L	B1/H2/TR
W1-WO30-0915-1	L1675327-27	WO	N	o,p'-DDT	0.070	0.070 U	0.070 UJ		NG/L	H2
W1-WO30-0915-1	L1675327-27	WO	N	p,p'-DDD	0.055	0.055 U	0.055 UJ		NG/L	H2
W1-WO30-0915-1	L1675327-27	WO	N	p,p'-DDE	0.015	0.12 B	0.12 J		NG/L	H2/B1
W1-WO30-0915-1	L1675327-27	WO	N	p,p'-DDT	0.21	0.21 U	0.21 UJ		NG/L	H2

Automated Data Review Detail Report for L1675327

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1699		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
W1-WO55-0915-1	L1675327-28	WO	N	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0004	0.0024 M,[J]	0.0024 J		NG/L	B1/H2/TR
W1-WO55-0915-1	L1675327-28	WO	N	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.038	0.038 U	0.038 UJ		NG/L	H2
W1-WO55-0915-1	L1675327-28	WO	N	o,p'-DDD	0.019	0.019 U	0.019 UJ		NG/L	H2
W1-WO55-0915-1	L1675327-28	WO	N	o,p'-DDE	0.0043	0.011 [J],[B]	0.011 J		NG/L	B1/H2/TR
W1-WO55-0915-1	L1675327-28	WO	N	o,p'-DDT	0.094	0.094 U	0.094 UJ		NG/L	H2
W1-WO55-0915-1	L1675327-28	WO	N	p,p'-DDD	0.073	0.073 U	0.073 UJ		NG/L	H2
W1-WO55-0915-1	L1675327-28	WO	N	p,p'-DDE	0.017	0.088 B	0.088 J		NG/L	H2/B1
W1-WO55-0915-1	L1675327-28	WO	N	p,p'-DDT	0.20	0.20 U	0.20 UJ		NG/L	H2
W1-WO58-0915-1	L1675327-29	WO	N	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0007	0.0097 J	0.0097 J		NG/L	B1/H2/TR
W1-WO58-0915-1	L1675327-29	WO	N	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.019	0.057 M	0.057 J	-	NG/L	H2
W1-WO58-0915-1	L1675327-29	WO	N	o,p'-DDD	0.0035	0.013 [J],R	0.013 J	-	NG/L	H2/TR
W1-WO58-0915-1	L1675327-29	WO	N	o,p'-DDE	0.0025	0.022 M,[J],	0.022 J		NG/L	B1/H2/TR
W1-WO58-0915-1	L1675327-29	WO	N	o,p'-DDT	0.014	0.014 U	0.014 UJ		NG/L	H2
W1-WO58-0915-1	L1675327-29	WO	N	p,p'-DDD	0.0088	0.022 M,[J]	0.022 J		NG/L	B1/H2/TR
W1-WO58-0915-1	L1675327-29	WO	N	p,p'-DDE	0.0071	0.13 B	0.13 J		NG/L	H2/B1
W1-WO58-0915-1	L1675327-29	WO	N	p,p'-DDT	0.032	0.050 M	0.050 J	-	NG/L	H2/G4

Automated Data Review Detail Report for L1675327

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Detected Results

Test Method: E1668C		Extraction Method: METHOD			Leach Method: NONE					
FieldSample ID	LabSample ID	Matrix	Type	Dilution	Analyte	MDL	Lab Result	Qualified Result	Units	Reason
BA10DC-WO20-0915-1	L1675327-24	WO	N	1	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	0.26	0.99 J,M	0.99 J	PG/L	TR/G4
BA10DC-WO20-0915-1	L1675327-24	WO	N	1	2,2',4,4',5,5'-HEXACHLOROBIPHENYL/2,3',4,4',5',6-HEXACHLOROBIPHENYL	0.19	1.2 J,M	1.2 J	PG/L	TR/B1/G4
BA10DC-WO20-0915-1	L1675327-24	WO	N	1	2,2',5,5'-TETRACHLOROBIPHENYL	0.47	1.6 J,M	1.6 J	PG/L	B1/TR/G4
BA10DC-WO20-0915-1	L1675327-24	WO	N	1	2,3,3',4',6-PENTACHLOROBIPHENYL	0.26	0.90 J	0.90 J	PG/L	TR
BA10DC-WO20-0915-1	L1675327-24	WO	N	1	2,3',4,4',5-PENTACHLOROBIPHENYL	0.27	0.84 J	0.84 J	PG/L	B1/TR
BA10DC-WO20-0915-1	L1675327-24	WO	N	1	2,4,4'-TRICHLOROBIPHENYL	1.6	2.5 J	2.5 J	PG/L	TR
BA10DC-WO20-0915-1	L1675327-24	WO	N	1	2,4',5-TRICHLOROBIPHENYL	1.4	2.6 J	2.6 J	PG/L	TR
BA10DC-WO20-0915-1	L1675327-24	WO	N	1	PCB061/070/074/076	0.33	1.1 J	1.1 J	PG/L	TR
BA10DC-WO35-0915-1	L1675327-25	WO	N	1	2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	0.10	0.53 J	0.53 J	PG/L	TR
BA10DC-WO35-0915-1	L1675327-25	WO	N	1	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	0.28	2.7 J	2.7 J	PG/L	TR
BA10DC-WO35-0915-1	L1675327-25	WO	N	1	2,2',3,4',5',6-HEXACHLOROBIPHENYL	0.30	1.6 J,M	1.6 J	PG/L	TR/G4
BA10DC-WO35-0915-1	L1675327-25	WO	N	1	2,2',3,4,5'-PENTACHLOROBIPHENYL/2,3',4,4',6-Pentachlorobiphenyl	0.34	1.6 J	1.6 J	PG/L	TR
BA10DC-WO35-0915-1	L1675327-25	WO	N	1	2,2',3,5'-TETRACHLOROBIPHENYL	0.34	4.1 J	4.1 J	PG/L	B1/TR
BA10DC-WO35-0915-1	L1675327-25	WO	N	1	2,2',4,4',5,5'-HEXACHLOROBIPHENYL/2,3',4,4',5',6-HEXACHLOROBIPHENYL	0.20	1.9 J,M	1.9 J	PG/L	TR/B1/G4
BA10DC-WO35-0915-1	L1675327-25	WO	N	1	2,2',4,4',5-PENTACHLOROBIPHENYL	0.46	1.4 J,M	1.4 J	PG/L	TR/G4
BA10DC-WO35-0915-1	L1675327-25	WO	N	1	2,2',4,5,5'-PENTACHLOROBIPHENYL	0.35	1.8 J,M	1.8 J	PG/L	B1/TR/G4
BA10DC-WO35-0915-1	L1675327-25	WO	N	1	2,2',4,5'-TETRACHLOROBIPHENYL	0.31	1.5 J	1.5 J	PG/L	TR
BA10DC-WO35-0915-1	L1675327-25	WO	N	1	2,2',5,5'-TETRACHLOROBIPHENYL	0.49	3.6 J	3.6 J	PG/L	B1/TR
BA10DC-WO35-0915-1	L1675327-25	WO	N	1	2,3,3',4',6-PENTACHLOROBIPHENYL	0.32	2.1 J	2.1 J	PG/L	TR
BA10DC-WO35-0915-1	L1675327-25	WO	N	1	2,3',4,4',5-PENTACHLOROBIPHENYL	0.31	2.0 J	2.0 J	PG/L	B1/TR
BA10DC-WO35-0915-1	L1675327-25	WO	N	1	2,3',4,4'-TETRACHLOROBIPHENYL	0.33	2.0 J	2.0 J	PG/L	TR
BA10DC-WO35-0915-1	L1675327-25	WO	N	1	2,4,4'-TRICHLOROBIPHENYL	1.8	2.9 J	2.9 J	PG/L	TR
BA10DC-WO35-0915-1	L1675327-25	WO	N	1	2,4',5-TRICHLOROBIPHENYL	1.6	2.3 J	2.3 J	PG/L	TR
BA10DC-WO35-0915-1	L1675327-25	WO	N	1	PCB061/070/074/076	0.32	2.5 J	2.5 J	PG/L	TR

Automated Data Review Detail Report for L1675327

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Detected Results

Test Method: E1668C		Extraction Method: METHOD			Leach Method: NONE					
FieldSample ID	LabSample ID	Matrix	Type	Dilution	Analyte	MDL	Lab Result	Qualified Result	Units	Reason
BA10DC-WO5-0915-1	L1675327-23	WO	N	1	2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	0.12	0.45 J,M	0.45 J	PG/L	TR/G4
BA10DC-WO5-0915-1	L1675327-23	WO	N	1	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	0.30	1.3 J	1.3 J	PG/L	TR
BA10DC-WO5-0915-1	L1675327-23	WO	N	1	2,2',3,5'-TETRACHLOROBIPHENYL	0.38	3.6 J	3.6 J	PG/L	B1/TR
BA10DC-WO5-0915-1	L1675327-23	WO	N	1	2,2',5-TRICHLOROBIPHENYL	2.3	5.1 J,M	5.1 J	PG/L	TR/G4
BA10DC-WO5-0915-1	L1675327-23	WO	N	1	2,3,3',4',6-PENTACHLOROBIPHENYL	0.27	1.1 J,M	1.1 J	PG/L	TR/G4
BA10DC-WO5-0915-1	L1675327-23	WO	N	1	2,3',4,4',5-PENTACHLOROBIPHENYL	0.23	0.73 J	0.73 J	PG/L	B1/TR
BA10DC-WO5-0915-1	L1675327-23	WO	N	1	2,4,4'-TRICHLOROBIPHENYL	1.6	2.7 J	2.7 J	PG/L	TR
BA10DC-WO5-0915-1	L1675327-23	WO	N	1	2,4',5-TRICHLOROBIPHENYL	1.4	2.5 J	2.5 J	PG/L	TR
BA10DC-WO5-0915-1	L1675327-23	WO	N	1	PCB061/070/074/076	0.38	1.5 J	1.5 J	PG/L	TR
BA1C-WO30-0915-1	L1675327-2	WO	N	1	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	0.30	2.2 J,M	2.2 J	PG/L	TR/G4
BA1C-WO30-0915-1	L1675327-2	WO	N	1	2,2',3,4',5',6-HEXACHLOROBIPHENYL	0.27	1.2 J	1.2 J	PG/L	TR
BA1C-WO30-0915-1	L1675327-2	WO	N	1	2,2',3,5'-TETRACHLOROBIPHENYL	0.50	7.4 J	7.4 J	PG/L	B1/TR
BA1C-WO30-0915-1	L1675327-2	WO	N	1	2,2',4,4',5,5'-HEXACHLOROBIPHENYL/2,3',4,4',5',6-HEXACHLOROBIPHENYL	0.23	1.8 J	1.8 J	PG/L	TR/B1
BA1C-WO30-0915-1	L1675327-2	WO	N	1	2,2',4,4',5-PENTACHLOROBIPHENYL	0.39	1.5 J,M	1.5 J	PG/L	TR/G4
BA1C-WO30-0915-1	L1675327-2	WO	N	1	2,2',4,5,5'-PENTACHLOROBIPHENYL	0.33	2.1 J,M	2.1 J	PG/L	B1/TR/G4
BA1C-WO30-0915-1	L1675327-2	WO	N	1	2,2',5,5'-TETRACHLOROBIPHENYL	0.68	4.5 J,M	4.5 J	PG/L	B1/TR/G4
BA1C-WO30-0915-1	L1675327-2	WO	N	1	2,2',5-TRICHLOROBIPHENYL	2.7	3.7 J	3.7 J	PG/L	TR
BA1C-WO30-0915-1	L1675327-2	WO	N	1	2,3,3',4',6-PENTACHLOROBIPHENYL	0.29	2.7 J,M	2.7 J	PG/L	TR/G4
BA1C-WO30-0915-1	L1675327-2	WO	N	1	2,3',4,4',5-PENTACHLOROBIPHENYL	0.32	1.6 J,M	1.6 J	PG/L	B1/TR/G4
BA1C-WO30-0915-1	L1675327-2	WO	N	1	2,3',4,4'-TETRACHLOROBIPHENYL	0.56	2.2 J,M	2.2 J	PG/L	TR/G4
BA1C-WO30-0915-1	L1675327-2	WO	N	1	2,4,4'-TRICHLOROBIPHENYL	3.1	5.1 J	5.1 J	PG/L	TR
BA1C-WO30-0915-1	L1675327-2	WO	N	1	2,4',5-TRICHLOROBIPHENYL	2.9	4.1 J	4.1 J	PG/L	TR
BA1C-WO30-0915-1	L1675327-2	WO	N	1	PCB061/070/074/076	0.56	5.4 J	5.4 J	PG/L	TR
BA1C-WO5-0915-1	L1675327-1	WO	N	1	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	0.26	1.6 J	1.6 J	PG/L	TR
BA1C-WO5-0915-1	L1675327-1	WO	N	1	2,2',3,5'-TETRACHLOROBIPHENYL	0.36	3.7 J	3.7 J	PG/L	B1/TR
BA1C-WO5-0915-1	L1675327-1	WO	N	1	2,2',4,4',5-PENTACHLOROBIPHENYL	0.37	0.97 J	0.97 J	PG/L	TR
BA1C-WO5-0915-1	L1675327-1	WO	N	1	2,2',4,5,5'-PENTACHLOROBIPHENYL	0.31	1.5 J	1.5 J	PG/L	B1/TR

Automated Data Review Detail Report for L1675327

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Detected Results

Test Method: E1668C		Extraction Method: METHOD			Leach Method: NONE					
FieldSample ID	LabSample ID	Matrix	Type	Dilution	Analyte	MDL	Lab Result	Qualified Result	Units	Reason
BA1C-WO5-0915-1	L1675327-1	WO	N	1	2,2',5,5'-TETRACHLOROBIPHENYL	0.49	2.7 J,M	2.7 J	PG/L	B1/TR/G4
BA1C-WO5-0915-1	L1675327-1	WO	N	1	2,2',5-TRICHLOROBIPHENYL	1.9	2.2 J	2.2 J	PG/L	TR
BA1C-WO5-0915-1	L1675327-1	WO	N	1	2,3,3',4',6-PENTACHLOROBIPHENYL	0.27	1.4 J,M	1.4 J	PG/L	TR/G4
BA1C-WO5-0915-1	L1675327-1	WO	N	1	2,3',4,4',5-PENTACHLOROBIPHENYL	0.24	1.2 J	1.2 J	PG/L	B1/TR
BA1C-WO5-0915-1	L1675327-1	WO	N	1	2,4,4'-TRICHLOROBIPHENYL	1.9	3.4 J	3.4 J	PG/L	TR
BA1C-WO5-0915-1	L1675327-1	WO	N	1	2,4',5-TRICHLOROBIPHENYL	1.8	1.8 J	1.8 J	PG/L	TR
BA1C-WO5-0915-1	L1675327-1	WO	N	1	PCB061/070/074/076	0.38	2.4 J	2.4 J	PG/L	TR
BA1C-WO55-0915-1	L1675327-3	WO	N	1	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	0.37	4.5 J	4.5 J	PG/L	TR
BA1C-WO55-0915-1	L1675327-3	WO	N	1	2,2',3,4',5,5',6-HEPTACHLOROBIPHENYL	0.54	0.97 J,M	0.97 J	PG/L	TR/G4
BA1C-WO55-0915-1	L1675327-3	WO	N	1	2,2',3,4',5',6-HEXACHLOROBIPHENYL	0.34	1.9 J,M	1.9 J	PG/L	TR/G4
BA1C-WO55-0915-1	L1675327-3	WO	N	1	2,2',3,5'-TETRACHLOROBIPHENYL	0.60	5.4 J	5.4 J	PG/L	B1/TR
BA1C-WO55-0915-1	L1675327-3	WO	N	1	2,2',4,4',5,5'-HEXACHLOROBIPHENYL/2,3',4,4',5',6-HEXACHLOROBIPHENYL	0.29	3.5 J	3.5 J	PG/L	TR/B1
BA1C-WO55-0915-1	L1675327-3	WO	N	1	2,2',4,4',5-PENTACHLOROBIPHENYL	0.83	3.0 J,M	3.0 J	PG/L	TR/G4
BA1C-WO55-0915-1	L1675327-3	WO	N	1	2,2',4,5,5'-PENTACHLOROBIPHENYL	0.69	4.1 J	4.1 J	PG/L	B1/TR
BA1C-WO55-0915-1	L1675327-3	WO	N	1	2,2',4,5'-TETRACHLOROBIPHENYL	0.52	1.4 J,M	1.4 J	PG/L	TR/G4
BA1C-WO55-0915-1	L1675327-3	WO	N	1	2,2',5,5'-TETRACHLOROBIPHENYL	0.81	5.2 J	5.2 J	PG/L	B1/TR
BA1C-WO55-0915-1	L1675327-3	WO	N	1	2,3,3',4,4'-PENTACHLOROBIPHENYL	0.43	1.1 J,M	1.1 J	PG/L	TR/G4
BA1C-WO55-0915-1	L1675327-3	WO	N	1	2,3,3',4',6-PENTACHLOROBIPHENYL	0.60	4.6 J	4.6 J	PG/L	TR
BA1C-WO55-0915-1	L1675327-3	WO	N	1	2,3',4,4',5-PENTACHLOROBIPHENYL	0.39	3.8 J	3.8 J	PG/L	B1/TR
BA1C-WO55-0915-1	L1675327-3	WO	N	1	2,3',4,4'-TETRACHLOROBIPHENYL	0.61	4.0 J	4.0 J	PG/L	TR
BA1C-WO55-0915-1	L1675327-3	WO	N	1	PCB061/070/074/076	0.60	4.5 J,M	4.5 J	PG/L	TR/G4
BA1C-WO60-0915-1	L1675327-4	WO	N	1	2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	0.17	0.65 J	0.65 J	PG/L	TR
BA1C-WO60-0915-1	L1675327-4	WO	N	1	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	0.29	2.4 J	2.4 J	PG/L	TR
BA1C-WO60-0915-1	L1675327-4	WO	N	1	2,2',3,4',5',6-HEXACHLOROBIPHENYL	0.27	1.5 J	1.5 J	PG/L	TR
BA1C-WO60-0915-1	L1675327-4	WO	N	1	2,2',3,5,5',6-HEXACHLOROBIPHENYL	0.23	0.70 J	0.70 J	PG/L	TR
BA1C-WO60-0915-1	L1675327-4	WO	N	1	2,2',3,5'-TETRACHLOROBIPHENYL	0.45	6.5 J	6.5 J	PG/L	B1/TR

Automated Data Review Detail Report for L1675327

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Detected Results

Test Method: E1668C		Extraction Method: METHOD			Leach Method: NONE					
FieldSample ID	LabSample ID	Matrix	Type	Dilution	Analyte	MDL	Lab Result	Qualified Result	Units	Reason
BA1C-WO60-0915-1	L1675327-4	WO	N	1	2,2',4,4',5,5'- HEXACHLOROBIPHENYL/2,3',4,4',5',6- HEXACHLOROBIPHENYL	0.23	1.4 J,M	1.4 J	PG/L	TR/B1/G4
BA1C-WO60-0915-1	L1675327-4	WO	N	1	2,2',4,4',5-PENTACHLOROBIPHENYL	0.45	1.7 J	1.7 J	PG/L	TR
BA1C-WO60-0915-1	L1675327-4	WO	N	1	2,2',4,5,5'-PENTACHLOROBIPHENYL	0.38	2.8 J	2.8 J	PG/L	B1/TR
BA1C-WO60-0915-1	L1675327-4	WO	N	1	2,2',4,5'-TETRACHLOROBIPHENYL	0.39	1.6 J	1.6 J	PG/L	TR/B1
BA1C-WO60-0915-1	L1675327-4	WO	N	1	2,2',5,5'-TETRACHLOROBIPHENYL	0.60	4.6 J	4.6 J	PG/L	B1/TR
BA1C-WO60-0915-1	L1675327-4	WO	N	1	2,2',5-TRICHLOROBIPHENYL	2.2	2.3 J,M	2.3 J	PG/L	TR/G4
BA1C-WO60-0915-1	L1675327-4	WO	N	1	2,3,3',4',6-PENTACHLOROBIPHENYL	0.33	3.6 J	3.6 J	PG/L	TR
BA1C-WO60-0915-1	L1675327-4	WO	N	1	2,3',4,4',5-PENTACHLOROBIPHENYL	0.26	1.9 J	1.9 J	PG/L	B1/TR
BA1C-WO60-0915-1	L1675327-4	WO	N	1	2,3',4,4'-TETRACHLOROBIPHENYL	0.49	2.3 J	2.3 J	PG/L	TR
BA1C-WO60-0915-1	L1675327-4	WO	N	1	2,4,4'-TRICHLOROBIPHENYL	2.2	4.8 J	4.8 J	PG/L	TR
BA1C-WO60-0915-1	L1675327-4	WO	N	1	2,4',5-TRICHLOROBIPHENYL	2.0	3.4 J,M	3.4 J	PG/L	TR/G4
BA1C-WO60-0915-1	L1675327-4	WO	N	1	PCB061/070/074/076	0.48	4.2 J	4.2 J	PG/L	TR
BA1DC-WO20-0915-1	L1675327-6	WO	N	1	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	0.36	1.8 J	1.8 J	PG/L	TR
BA1DC-WO20-0915-1	L1675327-6	WO	N	1	2,2',3,4',5',6-HEXACHLOROBIPHENYL	0.32	1.2 J	1.2 J	PG/L	TR
BA1DC-WO20-0915-1	L1675327-6	WO	N	1	2,2',3,5'-TETRACHLOROBIPHENYL	0.43	5.0 J	5.0 J	PG/L	B1/TR
BA1DC-WO20-0915-1	L1675327-6	WO	N	1	2,2',4,4',5,5'- HEXACHLOROBIPHENYL/2,3',4,4',5',6- HEXACHLOROBIPHENYL	0.28	1.5 J,M	1.5 J	PG/L	TR/B1/G4
BA1DC-WO20-0915-1	L1675327-6	WO	N	1	2,2',4,4',5-PENTACHLOROBIPHENYL	0.37	1.8 J	1.8 J	PG/L	TR
BA1DC-WO20-0915-1	L1675327-6	WO	N	1	2,2',4,5,5'-PENTACHLOROBIPHENYL	0.31	2.4 J	2.4 J	PG/L	B1/TR
BA1DC-WO20-0915-1	L1675327-6	WO	N	1	2,2',4,5'-TETRACHLOROBIPHENYL	0.37	1.9 J	1.9 J	PG/L	TR
BA1DC-WO20-0915-1	L1675327-6	WO	N	1	2,2',5,5'-TETRACHLOROBIPHENYL	0.58	4.7 J	4.7 J	PG/L	B1/TR
BA1DC-WO20-0915-1	L1675327-6	WO	N	1	2,2',5-TRICHLOROBIPHENYL	1.4	3.0 J	3.0 J	PG/L	TR
BA1DC-WO20-0915-1	L1675327-6	WO	N	1	2,3,3',4,4'-PENTACHLOROBIPHENYL	0.24	0.48 J,M	0.48 J	PG/L	TR/G4
BA1DC-WO20-0915-1	L1675327-6	WO	N	1	2,3,3',4',6-PENTACHLOROBIPHENYL	0.27	2.3 J	2.3 J	PG/L	TR
BA1DC-WO20-0915-1	L1675327-6	WO	N	1	2,3',4,4',5-PENTACHLOROBIPHENYL	0.21	1.7 J	1.7 J	PG/L	B1/TR
BA1DC-WO20-0915-1	L1675327-6	WO	N	1	2,3',4,4'-TETRACHLOROBIPHENYL	0.32	2.1 J	2.1 J	PG/L	TR
BA1DC-WO20-0915-1	L1675327-6	WO	N	1	2,4,4'-TRICHLOROBIPHENYL	1.9	3.8 J,M	3.8 J	PG/L	TR/G4

Automated Data Review Detail Report for L1675327

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Detected Results

Test Method: E1668C		Extraction Method: METHOD			Leach Method: NONE					
FieldSample ID	LabSample ID	Matrix	Type	Dilution	Analyte	MDL	Lab Result	Qualified Result	Units	Reason
BA1DC-WO20-0915-1	L1675327-6	WO	N	1	2,4',5-TRICHLOROBIPHENYL	1.8	2.4 J	2.4 J	PG/L	TR
BA1DC-WO20-0915-1	L1675327-6	WO	N	1	PCB061/070/074/076	0.32	3.6 J	3.6 J	PG/L	TR
BA1DC-WO35-0915-1	L1675327-7	WO	N	1	2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	0.15	0.42 J,M	0.42 J	PG/L	TR/G4
BA1DC-WO35-0915-1	L1675327-7	WO	N	1	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	0.28	1.2 J,M	1.2 J	PG/L	TR/G4
BA1DC-WO35-0915-1	L1675327-7	WO	N	1	2,2',3,4',5'-HEXACHLOROBIPHENYL	0.26	0.55 J,M	0.55 J	PG/L	TR/G4
BA1DC-WO35-0915-1	L1675327-7	WO	N	1	2,2',3,5'-TETRACHLOROBIPHENYL	0.37	3.4 J,M	3.4 J	PG/L	B1/TR/G4
BA1DC-WO35-0915-1	L1675327-7	WO	N	1	2,2',4,5,5'-PENTACHLOROBIPHENYL	0.30	1.3 J	1.3 J	PG/L	B1/TR
BA1DC-WO35-0915-1	L1675327-7	WO	N	1	2,2',4,5'-TETRACHLOROBIPHENYL	0.32	1.1 J	1.1 J	PG/L	TR
BA1DC-WO35-0915-1	L1675327-7	WO	N	1	2,2',5,5'-TETRACHLOROBIPHENYL	0.50	3.6 J	3.6 J	PG/L	B1/TR
BA1DC-WO35-0915-1	L1675327-7	WO	N	1	2,2',5-TRICHLOROBIPHENYL	1.7	2.5 J	2.5 J	PG/L	TR
BA1DC-WO35-0915-1	L1675327-7	WO	N	1	2,3,3',4',6-PENTACHLOROBIPHENYL	0.26	1.2 J	1.2 J	PG/L	TR
BA1DC-WO35-0915-1	L1675327-7	WO	N	1	2,3',4,4',5-PENTACHLOROBIPHENYL	0.23	0.90 J,M	0.90 J	PG/L	B1/TR/G4
BA1DC-WO35-0915-1	L1675327-7	WO	N	1	2,3',4,4'-TETRACHLOROBIPHENYL	0.41	1.2 J,M	1.2 J	PG/L	TR/G4
BA1DC-WO35-0915-1	L1675327-7	WO	N	1	2,4,4'-TRICHLOROBIPHENYL	1.7	3.6 J,M	3.6 J	PG/L	TR/G4
BA1DC-WO35-0915-1	L1675327-7	WO	N	1	2,4',5-TRICHLOROBIPHENYL	1.6	2.5 J,M	2.5 J	PG/L	TR/G4
BA1DC-WO35-0915-1	L1675327-7	WO	N	1	PCB061/070/074/076	0.41	2.7 J	2.7 J	PG/L	TR
BA2B-WO5-0915-1	L1675327-8	WO	N	1	2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	0.14	0.59 J	0.59 J	PG/L	TR
BA2B-WO5-0915-1	L1675327-8	WO	N	1	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	0.36	0.98 J	0.98 J	PG/L	TR
BA2B-WO5-0915-1	L1675327-8	WO	N	1	2,2',3,5'-TETRACHLOROBIPHENYL	0.33	3.4 J	3.4 J	PG/L	B1/TR
BA2B-WO5-0915-1	L1675327-8	WO	N	1	2,2',5-TRICHLOROBIPHENYL	2.5	4.2 J	4.2 J	PG/L	TR
BA2B-WO5-0915-1	L1675327-8	WO	N	1	2,3,3',4',6-PENTACHLOROBIPHENYL	0.26	1.0 J	1.0 J	PG/L	TR
BA2B-WO5-0915-1	L1675327-8	WO	N	1	2,3',4,4',5-PENTACHLOROBIPHENYL	0.27	0.65 J	0.65 J	PG/L	B1/TR
BA2B-WO5-0915-1	L1675327-8	WO	N	1	2,4,4'-TRICHLOROBIPHENYL	1.4	2.6 J	2.6 J	PG/L	TR
BA2B-WO5-0915-1	L1675327-8	WO	N	1	2,4',5-TRICHLOROBIPHENYL	1.2	1.9 J	1.9 J	PG/L	TR
BA2B-WO5-0915-1	L1675327-8	WO	N	1	PCB061/070/074/076	0.36	1.7 J,M	1.7 J	PG/L	TR/G4
BA2B-WO75-0915-1	L1675327-9	WO	N	1	2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	0.14	0.43 J,M	0.43 J	PG/L	TR/G4
BA2B-WO75-0915-1	L1675327-9	WO	N	1	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	0.41	1.5 J	1.5 J	PG/L	TR
BA2B-WO75-0915-1	L1675327-9	WO	N	1	2,2',3,5'-TETRACHLOROBIPHENYL	0.43	3.4 J	3.4 J	PG/L	B1/TR

Automated Data Review Detail Report for L1675327

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Detected Results

Test Method: E1668C		Extraction Method: METHOD			Leach Method: NONE					
FieldSample ID	LabSample ID	Matrix	Type	Dilution	Analyte	MDL	Lab Result	Qualified Result	Units	Reason
BA2B-WO75-0915-1	L1675327-9	WO	N	1	2,2',4,4',5,5'- HEXACHLOROBIPHENYL/2,3',4,4',5',6- HEXACHLOROBIPHENYL	0.29	1.2 J	1.2 J	PG/L	TR/B1
BA2B-WO75-0915-1	L1675327-9	WO	N	1	2,2',4,4',5-PENTACHLOROBIPHENYL	0.38	0.78 J	0.78 J	PG/L	TR
BA2B-WO75-0915-1	L1675327-9	WO	N	1	2,2',4,5,5'-PENTACHLOROBIPHENYL	0.29	1.1 J,M	1.1 J	PG/L	B1/TR/G4
BA2B-WO75-0915-1	L1675327-9	WO	N	1	2,2',5,5'-TETRACHLOROBIPHENYL	0.61	3.0 J	3.0 J	PG/L	B1/TR
BA2B-WO75-0915-1	L1675327-9	WO	N	1	2,2',5-TRICHLOROBIPHENYL	2.5	4.0 J	4.0 J	PG/L	TR
BA2B-WO75-0915-1	L1675327-9	WO	N	1	2,3,3',4',6-PENTACHLOROBIPHENYL	0.26	1.4 J,M	1.4 J	PG/L	TR/G4
BA2B-WO75-0915-1	L1675327-9	WO	N	1	2,3',4,4',5-PENTACHLOROBIPHENYL	0.21	1.4 J	1.4 J	PG/L	B1/TR
BA2B-WO75-0915-1	L1675327-9	WO	N	1	2,4,4'-TRICHLOROBIPHENYL	1.5	2.5 J	2.5 J	PG/L	TR
BA2B-WO75-0915-1	L1675327-9	WO	N	1	2,4',5-TRICHLOROBIPHENYL	1.4	1.7 J	1.7 J	PG/L	TR
BA2B-WO75-0915-1	L1675327-9	WO	N	1	PCB061/070/074/076	0.35	1.8 J	1.8 J	PG/L	TR
BA2C-WO30-0915-1	L1675327-11	WO	N	1	2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	0.10	0.56 J,M	0.56 J	PG/L	TR/G4
BA2C-WO30-0915-1	L1675327-11	WO	N	1	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	0.27	2.4 J	2.4 J	PG/L	TR
BA2C-WO30-0915-1	L1675327-11	WO	N	1	2,2',3,4',5',6-HEXACHLOROBIPHENYL	0.29	1.8 J	1.8 J	PG/L	TR
BA2C-WO30-0915-1	L1675327-11	WO	N	1	2,2',3,4,5'- PENTACHLOROBIPHENYL/2,3',4,4',6- Pentachlorobiphenyl	0.50	2.1 J	2.1 J	PG/L	TR
BA2C-WO30-0915-1	L1675327-11	WO	N	1	2,2',3,5'-TETRACHLOROBIPHENYL	0.24	4.3 J	4.3 J	PG/L	B1/TR
BA2C-WO30-0915-1	L1675327-11	WO	N	1	2,2',4,4',5,5'- HEXACHLOROBIPHENYL/2,3',4,4',5',6- HEXACHLOROBIPHENYL	0.19	1.8 J	1.8 J	PG/L	TR/B1
BA2C-WO30-0915-1	L1675327-11	WO	N	1	2,2',4,4',5-PENTACHLOROBIPHENYL	0.67	1.6 J	1.6 J	PG/L	TR
BA2C-WO30-0915-1	L1675327-11	WO	N	1	2,2',4,5,5'-PENTACHLOROBIPHENYL	0.51	2.6 J	2.6 J	PG/L	B1/TR
BA2C-WO30-0915-1	L1675327-11	WO	N	1	2,2',4,5'-TETRACHLOROBIPHENYL	0.22	1.5 J,M	1.5 J	PG/L	TR/G4
BA2C-WO30-0915-1	L1675327-11	WO	N	1	2,2',5,5'-TETRACHLOROBIPHENYL	0.34	4.8 J	4.8 J	PG/L	B1/TR
BA2C-WO30-0915-1	L1675327-11	WO	N	1	2,2',5-TRICHLOROBIPHENYL	2.7	4.4 J	4.4 J	PG/L	TR
BA2C-WO30-0915-1	L1675327-11	WO	N	1	2,3,3',4,4'-PENTACHLOROBIPHENYL	0.25	1.3 J	1.3 J	PG/L	TR
BA2C-WO30-0915-1	L1675327-11	WO	N	1	2,3,3',4',6-PENTACHLOROBIPHENYL	0.47	2.7 J	2.7 J	PG/L	TR
BA2C-WO30-0915-1	L1675327-11	WO	N	1	2,3',4,4',5-PENTACHLOROBIPHENYL	0.21	1.8 J,M	1.8 J	PG/L	B1/TR/G4
BA2C-WO30-0915-1	L1675327-11	WO	N	1	2,3',4,4'-TETRACHLOROBIPHENYL	0.38	2.3 J	2.3 J	PG/L	TR

Automated Data Review Detail Report for L1675327

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Detected Results

Test Method: E1668C		Extraction Method: METHOD			Leach Method: NONE					
FieldSample ID	LabSample ID	Matrix	Type	Dilution	Analyte	MDL	Lab Result	Qualified Result	Units	Reason
BA2C-WO30-0915-1	L1675327-11	WO	N	1	2,4,4'-TRICHLOROBIPHENYL	1.4	4.0 J	4.0 J	PG/L	TR
BA2C-WO30-0915-1	L1675327-11	WO	N	1	2,4,5'-TRICHLOROBIPHENYL	1.2	2.5 J	2.5 J	PG/L	TR
BA2C-WO30-0915-1	L1675327-11	WO	N	1	PCB061/070/074/076	0.37	3.8 J	3.8 J	PG/L	TR
BA2C-WO55-0915-1	L1675327-12	WO	N	1	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	0.32	1.7 J	1.7 J	PG/L	TR
BA2C-WO55-0915-1	L1675327-12	WO	N	1	2,2',3,4,5'-PENTACHLOROBIPHENYL/2,3',4,4',6-Pentachlorobiphenyl	0.22	1.3 J,M	1.3 J	PG/L	TR/G4
BA2C-WO55-0915-1	L1675327-12	WO	N	1	2,2',3,5'-TETRACHLOROBIPHENYL	0.27	3.3 J	3.3 J	PG/L	B1/TR
BA2C-WO55-0915-1	L1675327-12	WO	N	1	2,2',4,4',5,5'-HEXACHLOROBIPHENYL/2,3',4,4',5',6-HEXACHLOROBIPHENYL	0.23	1.5 J	1.5 J	PG/L	TR/B1
BA2C-WO55-0915-1	L1675327-12	WO	N	1	2,2',4,4',5-PENTACHLOROBIPHENYL	0.30	1.4 J	1.4 J	PG/L	TR
BA2C-WO55-0915-1	L1675327-12	WO	N	1	2,2',4,5,5'-PENTACHLOROBIPHENYL	0.23	1.9 J	1.9 J	PG/L	B1/TR
BA2C-WO55-0915-1	L1675327-12	WO	N	1	2,2',5,5'-TETRACHLOROBIPHENYL	0.39	2.3 J,M	2.3 J	PG/L	B1/TR/G4
BA2C-WO55-0915-1	L1675327-12	WO	N	1	2,2',5-TRICHLOROBIPHENYL	2.2	3.6 J	3.6 J	PG/L	TR
BA2C-WO55-0915-1	L1675327-12	WO	N	1	2,3,3',4',6-PENTACHLOROBIPHENYL	0.21	2.0 J	2.0 J	PG/L	TR
BA2C-WO55-0915-1	L1675327-12	WO	N	1	2,3',4,4',5-PENTACHLOROBIPHENYL	0.24	1.2 J,M	1.2 J	PG/L	B1/TR/G4
BA2C-WO55-0915-1	L1675327-12	WO	N	1	2,4,4'-TRICHLOROBIPHENYL	1.6	2.8 J,M	2.8 J	PG/L	TR/G4
BA2C-WO55-0915-1	L1675327-12	WO	N	1	2,4,5'-TRICHLOROBIPHENYL	1.4	2.0 J	2.0 J	PG/L	TR
BA2C-WO55-0915-1	L1675327-12	WO	N	1	PCB061/070/074/076	0.36	2.0 J	2.0 J	PG/L	TR
BA2DC-WO20-0915-1	L1675327-14	WO	N	1	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	0.46	1.7 J,M	1.7 J	PG/L	TR/G4
BA2DC-WO20-0915-1	L1675327-14	WO	N	1	2,2',3,4',5,6-HEXACHLOROBIPHENYL	0.44	1.3 J,M	1.3 J	PG/L	TR/G4
BA2DC-WO20-0915-1	L1675327-14	WO	N	1	2,2',3,5'-TETRACHLOROBIPHENYL	0.65	5.0 J,M	5.0 J	PG/L	B1/TR/G4
BA2DC-WO20-0915-1	L1675327-14	WO	N	1	2,2',4,4',5,5'-HEXACHLOROBIPHENYL/2,3',4,4',5',6-HEXACHLOROBIPHENYL	0.36	1.7 J,M	1.7 J	PG/L	TR/G4
BA2DC-WO20-0915-1	L1675327-14	WO	N	1	2,2',4,4',5-PENTACHLOROBIPHENYL	0.82	1.8 J,M	1.8 J	PG/L	TR/G4
BA2DC-WO20-0915-1	L1675327-14	WO	N	1	2,2',4,5,5'-PENTACHLOROBIPHENYL	0.72	3.2 J	3.2 J	PG/L	TR
BA2DC-WO20-0915-1	L1675327-14	WO	N	1	2,2',4,5'-TETRACHLOROBIPHENYL	0.59	2.4 J	2.4 J	PG/L	TR
BA2DC-WO20-0915-1	L1675327-14	WO	N	1	2,2',5,5'-TETRACHLOROBIPHENYL	0.79	5.0 J,M	5.0 J	PG/L	B1/TR/G4
BA2DC-WO20-0915-1	L1675327-14	WO	N	1	2,3,3',4,4'-PENTACHLOROBIPHENYL	0.78	1.5 J,M	1.5 J	PG/L	TR/G4

Automated Data Review Detail Report for L1675327

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Detected Results

Test Method: E1668C		Extraction Method: METHOD			Leach Method: NONE					
FieldSample ID	LabSample ID	Matrix	Type	Dilution	Analyte	MDL	Lab Result	Qualified Result	Units	Reason
BA2DC-WO20-0915-1	L1675327-14	WO	N	1	2,3,3',4',6-PENTACHLOROBIPHENYL	0.62	2.6 J,M	2.6 J	PG/L	TR/G4
BA2DC-WO20-0915-1	L1675327-14	WO	N	1	2,3',4,4',5-PENTACHLOROBIPHENYL	0.78	2.9 J	2.9 J	PG/L	TR
BA2DC-WO20-0915-1	L1675327-14	WO	N	1	2,4,4'-TRICHLOROBIPHENYL	3.0	4.9 J	4.9 J	PG/L	TR
BA2DC-WO35-0915-1	L1675327-15	WO	N	1	2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	0.20	0.51 J,M	0.51 J	PG/L	TR/G4
BA2DC-WO35-0915-1	L1675327-15	WO	N	1	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	0.29	1.6 J	1.6 J	PG/L	TR
BA2DC-WO35-0915-1	L1675327-15	WO	N	1	2,2',3,4',5',6-HEXACHLOROBIPHENYL	0.28	1.0 J	1.0 J	PG/L	TR
BA2DC-WO35-0915-1	L1675327-15	WO	N	1	2,2',3,5'-TETRACHLOROBIPHENYL	0.42	4.9 J,B	4.9 J	PG/L	B1/TR
BA2DC-WO35-0915-1	L1675327-15	WO	N	1	2,2',4,4',5,5'-HEXACHLOROBIPHENYL/2,3',4,4',5,6-HEXACHLOROBIPHENYL	0.23	1.1 J,M	1.1 J	PG/L	TR/G4
BA2DC-WO35-0915-1	L1675327-15	WO	N	1	2,2',4,5,5'-PENTACHLOROBIPHENYL	0.56	2.3 J	2.3 J	PG/L	TR
BA2DC-WO35-0915-1	L1675327-15	WO	N	1	2,2',4,5'-TETRACHLOROBIPHENYL	0.38	1.6 J	1.6 J	PG/L	TR
BA2DC-WO35-0915-1	L1675327-15	WO	N	1	2,2',5,5'-TETRACHLOROBIPHENYL	0.52	3.5 J	3.5 J	PG/L	B1/TR
BA2DC-WO35-0915-1	L1675327-15	WO	N	1	2,3',4,4'-TETRACHLOROBIPHENYL	0.39	2.1 J,M	2.1 J	PG/L	TR/G4
BA2DC-WO35-0915-1	L1675327-15	WO	N	1	2,4,4'-TRICHLOROBIPHENYL	2.1	3.8 J	3.8 J	PG/L	TR
BA2DC-WO35-0915-1	L1675327-15	WO	N	1	PCB061/070/074/076	0.37	3.1 J,M	3.1 J	PG/L	TR/G4
BA2DC-WO5-0915-1	L1675327-13	WO	N	1	2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	0.14	0.34 J,M	0.34 J	PG/L	TR/G4
BA2DC-WO5-0915-1	L1675327-13	WO	N	1	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	0.25	1.5 J,M	1.5 J	PG/L	TR/G4
BA2DC-WO5-0915-1	L1675327-13	WO	N	1	2,2',3,4,5'-PENTACHLOROBIPHENYL/2,3',4,4',6-Pentachlorobiphenyl	0.20	1.1 J,M	1.1 J	PG/L	TR/G4
BA2DC-WO5-0915-1	L1675327-13	WO	N	1	2,2',3,5'-TETRACHLOROBIPHENYL	0.28	3.5 J	3.5 J	PG/L	B1/TR
BA2DC-WO5-0915-1	L1675327-13	WO	N	1	2,2',4,4',5,5'-HEXACHLOROBIPHENYL/2,3',4,4',5,6-HEXACHLOROBIPHENYL	0.18	1.2 J	1.2 J	PG/L	TR/B1
BA2DC-WO5-0915-1	L1675327-13	WO	N	1	2,2',4,4',5-PENTACHLOROBIPHENYL	0.27	1.3 J	1.3 J	PG/L	TR
BA2DC-WO5-0915-1	L1675327-13	WO	N	1	2,2',4,5,5'-PENTACHLOROBIPHENYL	0.21	1.8 J	1.8 J	PG/L	B1/TR
BA2DC-WO5-0915-1	L1675327-13	WO	N	1	2,2',4,5'-TETRACHLOROBIPHENYL	0.25	1.2 J,M	1.2 J	PG/L	TR/G4
BA2DC-WO5-0915-1	L1675327-13	WO	N	1	2,2',5,5'-TETRACHLOROBIPHENYL	0.39	3.1 J,M	3.1 J	PG/L	B1/TR/G4
BA2DC-WO5-0915-1	L1675327-13	WO	N	1	2,2',5-TRICHLOROBIPHENYL	2.7	5.4 J	5.4 J	PG/L	TR
BA2DC-WO5-0915-1	L1675327-13	WO	N	1	2,3,3',4',6-PENTACHLOROBIPHENYL	0.19	1.7 J	1.7 J	PG/L	TR

Automated Data Review Detail Report for L1675327

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Detected Results

Test Method: E1668C		Extraction Method: METHOD			Leach Method: NONE					
FieldSample ID	LabSample ID	Matrix	Type	Dilution	Analyte	MDL	Lab Result	Qualified Result	Units	Reason
BA2DC-WO5-0915-1	L1675327-13	WO	N	1	2,3',4,4',5-PENTACHLOROBIPHENYL	0.16	1.1 J,M	1.1 J	PG/L	B1/TR/G4
BA2DC-WO5-0915-1	L1675327-13	WO	N	1	2,3',4,4'-TETRACHLOROBIPHENYL	0.28	1.5 J	1.5 J	PG/L	TR
BA2DC-WO5-0915-1	L1675327-13	WO	N	1	2,4,4'-TRICHLOROBIPHENYL	1.1	3.2 J	3.2 J	PG/L	TR
BA2DC-WO5-0915-1	L1675327-13	WO	N	1	2,4',5-TRICHLOROBIPHENYL	1.0	2.3 J	2.3 J	PG/L	TR
BA2DC-WO5-0915-1	L1675327-13	WO	N	1	PCB061/070/074/076	0.28	2.2 J	2.2 J	PG/L	TR
BA3C-WO30-0915-1	L1675327-17	WO	N	1	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	0.59	2.0 J,M	2.0 J	PG/L	TR/G4
BA3C-WO30-0915-1	L1675327-17	WO	N	1	2,2',3,4',5',6-HEXACHLOROBIPHENYL	0.56	1.5 J,M	1.5 J	PG/L	TR/G4
BA3C-WO30-0915-1	L1675327-17	WO	N	1	2,2',3,4,5'-PENTACHLOROBIPHENYL/2,3',4,4',6-Pentachlorobiphenyl	0.71	2.6 J	2.6 J	PG/L	TR
BA3C-WO30-0915-1	L1675327-17	WO	N	1	2,2',3,5'-TETRACHLOROBIPHENYL	0.70	5.6 J,M	5.6 J	PG/L	B1/TR/G4
BA3C-WO30-0915-1	L1675327-17	WO	N	1	2,2',4,4',5,5'-HEXACHLOROBIPHENYL/2,3',4,4',5',6-HEXACHLOROBIPHENYL	0.46	1.7 J,M	1.7 J	PG/L	TR/G4
BA3C-WO30-0915-1	L1675327-17	WO	N	1	2,2',4,4',5-PENTACHLOROBIPHENYL	0.86	1.6 J,M	1.6 J	PG/L	TR/G4
BA3C-WO30-0915-1	L1675327-17	WO	N	1	2,2',4,5,5'-PENTACHLOROBIPHENYL	0.76	4.3 J	4.3 J	PG/L	TR
BA3C-WO30-0915-1	L1675327-17	WO	N	1	2,2',4,5'-TETRACHLOROBIPHENYL	0.63	2.7 J	2.7 J	PG/L	TR
BA3C-WO30-0915-1	L1675327-17	WO	N	1	2,2',5,5'-TETRACHLOROBIPHENYL	0.85	6.0 J	6.0 J	PG/L	B1/TR
BA3C-WO30-0915-1	L1675327-17	WO	N	1	2,3,3',4',6-PENTACHLOROBIPHENYL	0.66	5.3 J	5.3 J	PG/L	TR
BA3C-WO30-0915-1	L1675327-17	WO	N	1	2,3',4,4',5-PENTACHLOROBIPHENYL	0.57	3.2 J	3.2 J	PG/L	TR
BA3C-WO30-0915-1	L1675327-17	WO	N	1	2,3',4,4'-TETRACHLOROBIPHENYL	0.85	5.1 J	5.1 J	PG/L	TR
BA3C-WO30-0915-1	L1675327-17	WO	N	1	2,4,4'-TRICHLOROBIPHENYL	3.6	4.5 J	4.5 J	PG/L	TR
BA3C-WO30-0915-1	L1675327-17	WO	N	1	PCB061/070/074/076	0.82	6.5 J	6.5 J	PG/L	TR
BA3C-WO5-0915-1	L1675327-16	WO	N	1	2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	0.23	0.43 J,M	0.43 J	PG/L	TR/G4
BA3C-WO5-0915-1	L1675327-16	WO	N	1	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	0.42	1.2 J,M	1.2 J	PG/L	TR/G4
BA3C-WO5-0915-1	L1675327-16	WO	N	1	2,2',3,5'-TETRACHLOROBIPHENYL	0.81	3.3 J,B	3.3 J	PG/L	B1/TR
BA3C-WO5-0915-1	L1675327-16	WO	N	1	2,2',4,4',5,5'-HEXACHLOROBIPHENYL/2,3',4,4',5',6-HEXACHLOROBIPHENYL	0.33	1.2 J	1.2 J	PG/L	TR
BA3C-WO5-0915-1	L1675327-16	WO	N	1	2,2',4,5,5'-PENTACHLOROBIPHENYL	0.73	1.8 J	1.8 J	PG/L	TR
BA3C-WO5-0915-1	L1675327-16	WO	N	1	2,2',5,5'-TETRACHLOROBIPHENYL	0.99	3.0 J	3.0 J	PG/L	B1/TR

Automated Data Review Detail Report for L1675327

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Detected Results

Test Method: E1668C		Extraction Method: METHOD			Leach Method: NONE					
FieldSample ID	LabSample ID	Matrix	Type	Dilution	Analyte	MDL	Lab Result	Qualified Result	Units	Reason
BA3C-WO5-0915-1	L1675327-16	WO	N	1	2,3,3',4',6-PENTACHLOROBIPHENYL	0.64	1.7 J	1.7 J	PG/L	TR
BA3C-WO55-0915-1	L1675327-18	WO	N	1	2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	0.14	0.48 J	0.48 J	PG/L	TR
BA3C-WO55-0915-1	L1675327-18	WO	N	1	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	0.28	1.6 J,M	1.6 J	PG/L	TR/G4
BA3C-WO55-0915-1	L1675327-18	WO	N	1	2,2',3,4',5',6-HEXACHLOROBIPHENYL	0.24	0.79 J,M	0.79 J	PG/L	TR/G4
BA3C-WO55-0915-1	L1675327-18	WO	N	1	2,2',3,4,5'-PENTACHLOROBIPHENYL/2,3',4,4',6-Pentachlorobiphenyl	0.33	1.6 J,M	1.6 J	PG/L	TR/G4
BA3C-WO55-0915-1	L1675327-18	WO	N	1	2,2',3,5'-TETRACHLOROBIPHENYL	0.38	4.0 J,B	4.0 J	PG/L	B1/TR
BA3C-WO55-0915-1	L1675327-18	WO	N	1	2,2',4,4',5,5'-HEXACHLOROBIPHENYL/2,3',4,4',5,6-HEXACHLOROBIPHENYL	0.20	1.3 J	1.3 J	PG/L	TR
BA3C-WO55-0915-1	L1675327-18	WO	N	1	2,2',4,4',5-PENTACHLOROBIPHENYL	0.41	1.0 J,M	1.0 J	PG/L	TR/G4
BA3C-WO55-0915-1	L1675327-18	WO	N	1	2,2',4,5,5'-PENTACHLOROBIPHENYL	0.35	2.1 J	2.1 J	PG/L	TR
BA3C-WO55-0915-1	L1675327-18	WO	N	1	2,2',4,5'-TETRACHLOROBIPHENYL	0.35	1.4 J,M	1.4 J	PG/L	TR/G4
BA3C-WO55-0915-1	L1675327-18	WO	N	1	2,2',5,5'-TETRACHLOROBIPHENYL	0.43	3.6 J	3.6 J	PG/L	B1/TR
BA3C-WO55-0915-1	L1675327-18	WO	N	1	2,3,3',4',6-PENTACHLOROBIPHENYL	0.31	2.4 J	2.4 J	PG/L	TR
BA3C-WO55-0915-1	L1675327-18	WO	N	1	2,3',4,4',5-PENTACHLOROBIPHENYL	0.30	2.1 J	2.1 J	PG/L	TR
BA3C-WO55-0915-1	L1675327-18	WO	N	1	2,3',4,4'-TETRACHLOROBIPHENYL	0.46	2.2 J	2.2 J	PG/L	TR
BA3C-WO55-0915-1	L1675327-18	WO	N	1	PCB061/070/074/076	0.44	3.4 J	3.4 J	PG/L	TR
BA3C-WO58-0915-1	L1675327-19	WO	N	1	2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	0.16	0.45 J,M	0.45 J	PG/L	TR/G4
BA3C-WO58-0915-1	L1675327-19	WO	N	1	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	0.31	1.9 J	1.9 J	PG/L	TR
BA3C-WO58-0915-1	L1675327-19	WO	N	1	2,2',3,4,5'-PENTACHLOROBIPHENYL/2,3',4,4',6-Pentachlorobiphenyl	0.56	1.5 J,M	1.5 J	PG/L	TR/G4
BA3C-WO58-0915-1	L1675327-19	WO	N	1	2,2',3,5'-TETRACHLOROBIPHENYL	0.49	5.1 J,B	5.1 J	PG/L	B1/TR
BA3C-WO58-0915-1	L1675327-19	WO	N	1	2,2',4,5,5'-PENTACHLOROBIPHENYL	0.59	2.6 J,M	2.6 J	PG/L	TR/G4
BA3C-WO58-0915-1	L1675327-19	WO	N	1	2,2',4,5'-TETRACHLOROBIPHENYL	0.44	1.8 J	1.8 J	PG/L	TR
BA3C-WO58-0915-1	L1675327-19	WO	N	1	2,2',5,5'-TETRACHLOROBIPHENYL	0.59	3.8 J	3.8 J	PG/L	B1/TR
BA3C-WO58-0915-1	L1675327-19	WO	N	1	2,3,3',4',6-PENTACHLOROBIPHENYL	0.51	3.4 J	3.4 J	PG/L	TR
BA3C-WO58-0915-1	L1675327-19	WO	N	1	2,3',4,4',5-PENTACHLOROBIPHENYL	0.36	2.0 J	2.0 J	PG/L	TR
BA3C-WO58-0915-1	L1675327-19	WO	N	1	2,3',4,4'-TETRACHLOROBIPHENYL	0.34	2.0 J	2.0 J	PG/L	TR

Automated Data Review Detail Report for L1675327

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Detected Results

Test Method: E1668C		Extraction Method: METHOD			Leach Method: NONE					
FieldSample ID	LabSample ID	Matrix	Type	Dilution	Analyte	MDL	Lab Result	Qualified Result	Units	Reason
BA3C-WO58-0915-1	L1675327-19	WO	N	1	PCB061/070/074/076	0.33	3.4 J,M	3.4 J	PG/L	TR/G4
BA3DC-WO20-0915-1	L1675327-21	WO	N	1	2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	0.21	2.2 J	2.2 J	PG/L	TR
BA3DC-WO20-0915-1	L1675327-21	WO	N	1	2,2',3,4,4',5,5'-HEPTACHLOROBIPHENYL	0.67	2.0 J	2.0 J	PG/L	TR
BA3DC-WO20-0915-1	L1675327-21	WO	N	1	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	0.48	5.7 J,M	5.7 J	PG/L	TR/G4
BA3DC-WO20-0915-1	L1675327-21	WO	N	1	2,2',3,4',5',6'-HEXACHLOROBIPHENYL	0.42	2.5 J,M	2.5 J	PG/L	TR/G4
BA3DC-WO20-0915-1	L1675327-21	WO	N	1	2,2',3,4,5'-PENTACHLOROBIPHENYL/2,3',4,4',6-Pentachlorobiphenyl	0.51	4.3 J	4.3 J	PG/L	TR
BA3DC-WO20-0915-1	L1675327-21	WO	N	1	2,2',3,5'-TETRACHLOROBIPHENYL	0.47	7.1 J,B	7.1 J	PG/L	B1/TR
BA3DC-WO20-0915-1	L1675327-21	WO	N	1	2,2',4,4',5,5'-HEXACHLOROBIPHENYL/2,3',4,4',5',6-HEXACHLOROBIPHENYL	0.34	3.4 J,M	3.4 J	PG/L	TR/G4
BA3DC-WO20-0915-1	L1675327-21	WO	N	1	2,2',4,4',5-PENTACHLOROBIPHENYL	0.63	3.8 J	3.8 J	PG/L	TR
BA3DC-WO20-0915-1	L1675327-21	WO	N	1	2,2',4,5,5'-PENTACHLOROBIPHENYL	0.54	6.2 J,M	6.2 J	PG/L	TR/G4
BA3DC-WO20-0915-1	L1675327-21	WO	N	1	2,2',4,5'-TETRACHLOROBIPHENYL	0.43	3.8 J	3.8 J	PG/L	TR
BA3DC-WO20-0915-1	L1675327-21	WO	N	1	2,2',5,5'-TETRACHLOROBIPHENYL	0.54	7.0 J	7.0 J	PG/L	B1/TR
BA3DC-WO20-0915-1	L1675327-21	WO	N	1	2,3,3',4,4'-PENTACHLOROBIPHENYL	0.49	3.1 J,M	3.1 J	PG/L	TR/G4
BA3DC-WO20-0915-1	L1675327-21	WO	N	1	2,3,3',4',6-PENTACHLOROBIPHENYL	0.48	8.2 M	8.2 J	PG/L	
BA3DC-WO20-0915-1	L1675327-21	WO	N	1	2,3',4,4',5-PENTACHLOROBIPHENYL	0.48	6.5 J	6.5 J	PG/L	TR
BA3DC-WO20-0915-1	L1675327-21	WO	N	1	2,3',4,4'-TETRACHLOROBIPHENYL	0.67	7.2 J	7.2 J	PG/L	TR
BA3DC-WO20-0915-1	L1675327-21	WO	N	1	2,4,4'-TRICHLOROBIPHENYL	2.2	4.0 J	4.0 J	PG/L	TR
BA3DC-WO20-0915-1	L1675327-21	WO	N	1	2,4',5-TRICHLOROBIPHENYL	2.2	3.0 J,M	3.0 J	PG/L	TR/G4
BA3DC-WO20-0915-1	L1675327-21	WO	N	1	PCB061/070/074/076	0.64	10.3	10.3 J	PG/L	
BA3DC-WO35-0915-1	L1675327-22	WO	N	1	2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	0.18	1.8 J	1.8 J	PG/L	TR
BA3DC-WO35-0915-1	L1675327-22	WO	N	1	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	0.45	5.2 J	5.2 J	PG/L	TR
BA3DC-WO35-0915-1	L1675327-22	WO	N	1	2,2',3,4',5',6'-HEXACHLOROBIPHENYL	0.39	2.9 J	2.9 J	PG/L	TR
BA3DC-WO35-0915-1	L1675327-22	WO	N	1	2,2',3,4,5'-PENTACHLOROBIPHENYL/2,3',4,4',6-Pentachlorobiphenyl	1.3	5.3 J	5.3 J	PG/L	TR
BA3DC-WO35-0915-1	L1675327-22	WO	N	1	2,2',3,5'-TETRACHLOROBIPHENYL	0.31	8.1 B	8.1 J	PG/L	B1

Automated Data Review Detail Report for L1675327

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Detected Results

Test Method: E1668C		Extraction Method: METHOD			Leach Method: NONE					
FieldSample ID	LabSample ID	Matrix	Type	Dilution	Analyte	MDL	Lab Result	Qualified Result	Units	Reason
BA3DC-WO35-0915-1	L1675327-22	WO	N	1	2,2',4,4',5,5'- HEXACHLOROBIPHENYL/2,3',4,4',5',6- HEXACHLOROBIPHENYL	0.32	3.3 J	3.3 J	PG/L	TR
BA3DC-WO35-0915-1	L1675327-22	WO	N	1	2,2',4,4',5-PENTACHLOROBIPHENYL	1.6	5.0 J	5.0 J	PG/L	TR
BA3DC-WO35-0915-1	L1675327-22	WO	N	1	2,2',4,5,5'-PENTACHLOROBIPHENYL	1.3	6.3 J	6.3 J	PG/L	TR
BA3DC-WO35-0915-1	L1675327-22	WO	N	1	2,2',4,5'-TETRACHLOROBIPHENYL	0.29	4.0 J,M	4.0 J	PG/L	TR/G4
BA3DC-WO35-0915-1	L1675327-22	WO	N	1	2,2',5,5'-TETRACHLOROBIPHENYL	0.35	8.8	8.8 J	PG/L	
BA3DC-WO35-0915-1	L1675327-22	WO	N	1	2,3,3',4,4'-PENTACHLOROBIPHENYL	0.40	2.5 J	2.5 J	PG/L	TR
BA3DC-WO35-0915-1	L1675327-22	WO	N	1	2,3,3',4',6-PENTACHLOROBIPHENYL	1.2	9.1 M	9.1 J	PG/L	
BA3DC-WO35-0915-1	L1675327-22	WO	N	1	2,3',4,4',5-PENTACHLOROBIPHENYL	0.48	6.2 J	6.2 J	PG/L	TR
BA3DC-WO35-0915-1	L1675327-22	WO	N	1	2,3',4,4'-TETRACHLOROBIPHENYL	0.53	7.2 J	7.2 J	PG/L	TR
BA3DC-WO35-0915-1	L1675327-22	WO	N	1	2,4,4'-TRICHLOROBIPHENYL	2.3	6.3 J	6.3 J	PG/L	TR
BA3DC-WO35-0915-1	L1675327-22	WO	N	1	2,4',5-TRICHLOROBIPHENYL	2.2	3.0 J,M	3.0 J	PG/L	TR/G4
BA3DC-WO35-0915-1	L1675327-22	WO	N	1	PCB061/070/074/076	0.51	10.6	10.6 J	PG/L	
BA3DC-WO5-0915-1	L1675327-20	WO	N	1	2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	0.16	0.40 J,M	0.40 J	PG/L	TR/G4
BA3DC-WO5-0915-1	L1675327-20	WO	N	1	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	0.27	0.98 J	0.98 J	PG/L	TR
BA3DC-WO5-0915-1	L1675327-20	WO	N	1	2,2',3,4',5,6-HEXACHLOROBIPHENYL	0.26	0.61 J	0.61 J	PG/L	TR
BA3DC-WO5-0915-1	L1675327-20	WO	N	1	2,2',3,5'-TETRACHLOROBIPHENYL	0.34	3.0 J,B	3.0 J	PG/L	B1/TR
BA3DC-WO5-0915-1	L1675327-20	WO	N	1	2,2',4,4',5,5'- HEXACHLOROBIPHENYL/2,3',4,4',5',6- HEXACHLOROBIPHENYL	0.21	0.85 J,M	0.85 J	PG/L	TR/G4
BA3DC-WO5-0915-1	L1675327-20	WO	N	1	2,2',4,5'-TETRACHLOROBIPHENYL	0.30	0.90 J	0.90 J	PG/L	TR
BA3DC-WO5-0915-1	L1675327-20	WO	N	1	2,2',5,5'-TETRACHLOROBIPHENYL	0.41	2.2 J,M	2.2 J	PG/L	B1/TR/G4
W1-WO30-0915-1	L1675327-27	WO	N	1	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	0.30	1.6 J,M	1.6 J	PG/L	TR/G4
W1-WO30-0915-1	L1675327-27	WO	N	1	2,2',3,4',5,6-HEXACHLOROBIPHENYL	0.26	0.98 J,M	0.98 J	PG/L	TR/G4
W1-WO30-0915-1	L1675327-27	WO	N	1	2,2',3,4,5'- PENTACHLOROBIPHENYL/2,3',4,4',6- Pentachlorobiphenyl	0.40	0.98 J,M	0.98 J	PG/L	TR/G4
W1-WO30-0915-1	L1675327-27	WO	N	1	2,2',3,5'-TETRACHLOROBIPHENYL	0.29	3.7 J,B	3.7 J	PG/L	B1/TR
W1-WO30-0915-1	L1675327-27	WO	N	1	2,2',4,4',5,5'- HEXACHLOROBIPHENYL/2,3',4,4',5',6- HEXACHLOROBIPHENYL	0.21	1.1 J,M	1.1 J	PG/L	TR/G4

Automated Data Review Detail Report for L1675327

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Detected Results

Test Method: E1668C		Extraction Method: METHOD			Leach Method: NONE					
FieldSample ID	LabSample ID	Matrix	Type	Dilution	Analyte	MDL	Lab Result	Qualified Result	Units	Reason
W1-WO30-0915-1	L1675327-27	WO	N	1	2,2',4,4',5-PENTACHLOROBIPHENYL	0.49	0.93 J	0.93 J	PG/L	TR
W1-WO30-0915-1	L1675327-27	WO	N	1	2,2',4,5,5'-PENTACHLOROBIPHENYL	0.42	2.2 J	2.2 J	PG/L	TR
W1-WO30-0915-1	L1675327-27	WO	N	1	2,2',4,5'-TETRACHLOROBIPHENYL	0.26	1.5 J	1.5 J	PG/L	TR
W1-WO30-0915-1	L1675327-27	WO	N	1	2,2',5,5'-TETRACHLOROBIPHENYL	0.32	3.1 J	3.1 J	PG/L	B1/TR
W1-WO30-0915-1	L1675327-27	WO	N	1	2,2',5-TRICHLOROBIPHENYL	1.8	2.0 J,M	2.0 J	PG/L	TR/G4
W1-WO30-0915-1	L1675327-27	WO	N	1	2,3,3',4',6-PENTACHLOROBIPHENYL	0.38	2.7 J	2.7 J	PG/L	TR
W1-WO30-0915-1	L1675327-27	WO	N	1	2,3',4,4',5-PENTACHLOROBIPHENYL	0.29	1.8 J,M	1.8 J	PG/L	TR/G4
W1-WO30-0915-1	L1675327-27	WO	N	1	2,3',4,4'-TETRACHLOROBIPHENYL	0.43	1.3 J,M	1.3 J	PG/L	TR/G4
W1-WO30-0915-1	L1675327-27	WO	N	1	2,4,4'-TRICHLOROBIPHENYL	1.7	2.7 J,M	2.7 J	PG/L	TR/G4
W1-WO30-0915-1	L1675327-27	WO	N	1	PCB061/070/074/076	0.41	2.8 J	2.8 J	PG/L	TR
W1-WO5-0915-1	L1675327-26	WO	N	1	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	0.87	1.9 J,M	1.9 J	PG/L	TR/G4
W1-WO5-0915-1	L1675327-26	WO	N	1	2,2',4,4',5,5'-HEXACHLOROBIPHENYL/2,3',4,4',5,6'-HEXACHLOROBIPHENYL	0.62	1.6 J	1.6 J	PG/L	TR
W1-WO5-0915-1	L1675327-26	WO	N	1	2,2',5,5'-TETRACHLOROBIPHENYL	1.1	3.0 J,M	3.0 J	PG/L	B1/TR/G4
W1-WO55-0915-1	L1675327-28	WO	N	1	2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	0.15	0.72 J	0.72 J	PG/L	TR
W1-WO55-0915-1	L1675327-28	WO	N	1	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	0.27	0.90 J,M	0.90 J	PG/L	TR/G4
W1-WO55-0915-1	L1675327-28	WO	N	1	2,2',3,4',5',6-HEXACHLOROBIPHENYL	0.24	0.70 J,M	0.70 J	PG/L	TR/G4
W1-WO55-0915-1	L1675327-28	WO	N	1	2,2',3,4,5'-PENTACHLOROBIPHENYL/2,3',4,4',6-Pentachlorobiphenyl	0.34	1.1 J	1.1 J	PG/L	TR
W1-WO55-0915-1	L1675327-28	WO	N	1	2,2',4,4',5,5'-HEXACHLOROBIPHENYL/2,3',4,4',5,6'-HEXACHLOROBIPHENYL	0.19	1.0 J,M	1.0 J	PG/L	TR/G4
W1-WO55-0915-1	L1675327-28	WO	N	1	2,2',4,4',5-PENTACHLOROBIPHENYL	0.42	0.86 J,M	0.86 J	PG/L	TR/G4
W1-WO55-0915-1	L1675327-28	WO	N	1	2,2',4,5,5'-PENTACHLOROBIPHENYL	0.36	1.8 J	1.8 J	PG/L	TR
W1-WO55-0915-1	L1675327-28	WO	N	1	2,2',4,5'-TETRACHLOROBIPHENYL	0.30	0.70 J,M	0.70 J	PG/L	TR/G4
W1-WO55-0915-1	L1675327-28	WO	N	1	2,2',5,5'-TETRACHLOROBIPHENYL	0.38	2.3 J	2.3 J	PG/L	B1/TR
W1-WO55-0915-1	L1675327-28	WO	N	1	2,3,3',4',6-PENTACHLOROBIPHENYL	0.32	1.4 J,M	1.4 J	PG/L	TR/G4
W1-WO55-0915-1	L1675327-28	WO	N	1	2,3',4,4',5-PENTACHLOROBIPHENYL	0.37	0.95 J	0.95 J	PG/L	TR
W1-WO55-0915-1	L1675327-28	WO	N	1	2,4,4'-TRICHLOROBIPHENYL	1.6	1.6 J,M	1.6 J	PG/L	TR/G4

Automated Data Review Detail Report for L1675327

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Detected Results

Test Method: E1668C		Extraction Method: METHOD			Leach Method: NONE					
FieldSample ID	LabSample ID	Matrix	Type	Dilution	Analyte	MDL	Lab Result	Qualified Result	Units	Reason
W1-WO55-0915-1	L1675327-28	WO	N	1	PCB061/070/074/076	0.27	1.8 J	1.8 J	PG/L	TR
W1-WO58-0915-1	L1675327-29	WO	N	1	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	0.30	1.6 J,M	1.6 J	PG/L	TR/G4
W1-WO58-0915-1	L1675327-29	WO	N	1	2,2',3,4',5',6-HEXACHLOROBIPHENYL	0.26	0.90 J,M	0.90 J	PG/L	TR/G4
W1-WO58-0915-1	L1675327-29	WO	N	1	2,2',4,4',5,5'-HEXACHLOROBIPHENYL/2,3',4,4',5',6-HEXACHLOROBIPHENYL	0.21	1.2 J,M	1.2 J	PG/L	TR/G4
W1-WO58-0915-1	L1675327-29	WO	N	1	2,2',4,5'-TETRACHLOROBIPHENYL	0.36	1.4 J	1.4 J	PG/L	TR
W1-WO58-0915-1	L1675327-29	WO	N	1	2,2',5,5'-TETRACHLOROBIPHENYL	0.45	2.7 J	2.7 J	PG/L	B1/TR
W1-WO58-0915-1	L1675327-29	WO	N	1	2,3',4,4',5-PENTACHLOROBIPHENYL	0.31	1.3 J,M	1.3 J	PG/L	TR/G4
W1-WO58-0915-1	L1675327-29	WO	N	1	2,4,4'-TRICHLOROBIPHENYL	1.9	2.2 J,M	2.2 J	PG/L	TR/G4

Test Method: E1699		Extraction Method: METHOD			Leach Method: NONE					
FieldSample ID	LabSample ID	Matrix	Type	Dilution	Analyte	MDL	Lab Result	Qualified Result	Units	Reason
BA10DC-WO35-0915-1	L1675327-25	WO	N	1	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0003	0.0026 J	0.0026 J	NG/L	H2/TR
BA10DC-WO35-0915-1	L1675327-25	WO	N	1	o,p'-DDE	0.0075	0.023 J	0.023 J	NG/L	H2/C11/TR
BA10DC-WO35-0915-1	L1675327-25	WO	N	1	p,p'-DDE	0.029	0.16 B	0.16 J	NG/L	H2
BA10DC-WO5-0915-1	L1675327-23	WO	N	1	p,p'-DDE	0.026	0.028 M	0.028 J	NG/L	H2/B1/G4
BA1C-WO30-0915-1	L1675327-2	WO	N	1	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0003	0.0061 J	0.0061 J	NG/L	H2/TR
BA1C-WO30-0915-1	L1675327-2	WO	N	1	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.014	0.13 M	0.13 J	NG/L	H2
BA1C-WO30-0915-1	L1675327-2	WO	N	1	o,p'-DDD	0.0025	0.0078 J	0.0078 J	NG/L	H2/TR
BA1C-WO30-0915-1	L1675327-2	WO	N	1	o,p'-DDE	0.0021	0.046 M	0.046 J	NG/L	H2/C11
BA1C-WO30-0915-1	L1675327-2	WO	N	1	p,p'-DDE	0.0078	0.17 B	0.17 J	NG/L	H2
BA1C-WO5-0915-1	L1675327-1	WO	N	1	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0003	0.0022 J	0.0022 J	NG/L	H2/TR
BA1C-WO5-0915-1	L1675327-1	WO	N	1	o,p'-DDE	0.0013	0.014 J	0.014 J	NG/L	H2/C11/TR
BA1C-WO5-0915-1	L1675327-1	WO	N	1	p,p'-DDD	0.0059	0.012 J,M	0.012 J	NG/L	B1/H2/TR/G4
BA1C-WO5-0915-1	L1675327-1	WO	N	1	p,p'-DDE	0.0049	0.062 B	0.062 J	NG/L	H2
BA1C-WO55-0915-1	L1675327-3	WO	N	1	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0002	0.013 J	0.013 J	NG/L	H2/TR

Automated Data Review Detail Report for L1675327

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Detected Results

Test Method: E1699		Extraction Method: METHOD			Leach Method: NONE					
FieldSample ID	LabSample ID	Matrix	Type	Dilution	Analyte	MDL	Lab Result	Qualified Result	Units	Reason
BA1C-WO55-0915-1	L1675327-3	WO	N	1	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.015	0.27 M	0.27 J	NG/L	H2
BA1C-WO55-0915-1	L1675327-3	WO	N	1	o,p'-DDE	0.0019	0.073	0.073 J	NG/L	H2/C11
BA1C-WO55-0915-1	L1675327-3	WO	N	1	p,p'-DDD	0.020	0.021 J,B	0.021 J	NG/L	B1/H2/TR
BA1C-WO55-0915-1	L1675327-3	WO	N	1	p,p'-DDE	0.0072	0.34 B	0.34 J	NG/L	H2
BA1C-WO60-0915-1	L1675327-4	WO	N	1	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0002	0.014 J	0.014 J	NG/L	H2/TR
BA1C-WO60-0915-1	L1675327-4	WO	N	1	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.013	0.18 M	0.18 J	NG/L	H2
BA1C-WO60-0915-1	L1675327-4	WO	N	1	o,p'-DDE	0.0013	0.045	0.045 J	NG/L	H2/C11
BA1C-WO60-0915-1	L1675327-4	WO	N	1	p,p'-DDD	0.0058	0.019 J,B	0.019 J	NG/L	B1/H2/TR
BA1C-WO60-0915-1	L1675327-4	WO	N	1	p,p'-DDE	0.0058	0.19 B	0.19 J	NG/L	H2
BA1DC-WO20-0915-1	L1675327-6	WO	N	1	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0003	0.0049 J	0.0049 J	NG/L	H2/TR
BA1DC-WO20-0915-1	L1675327-6	WO	N	1	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.015	0.082 M	0.082 J	NG/L	H2
BA1DC-WO20-0915-1	L1675327-6	WO	N	1	o,p'-DDE	0.0017	0.032	0.032 J	NG/L	H2/C11
BA1DC-WO20-0915-1	L1675327-6	WO	N	1	p,p'-DDD	0.0095	0.024 B	0.024 J	NG/L	H2/B1
BA1DC-WO20-0915-1	L1675327-6	WO	N	1	p,p'-DDE	0.0058	0.15 B	0.15 J	NG/L	H2
BA1DC-WO35-0915-1	L1675327-7	WO	N	1	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0003	0.0024 J	0.0024 J	NG/L	H2/TR
BA1DC-WO35-0915-1	L1675327-7	WO	N	1	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.013	0.050 M	0.050 J	NG/L	H2
BA1DC-WO35-0915-1	L1675327-7	WO	N	1	o,p'-DDE	0.0028	0.016 J	0.016 J	NG/L	H2/C11/TR
BA1DC-WO35-0915-1	L1675327-7	WO	N	1	p,p'-DDD	0.014	0.017 J,B	0.017 J	NG/L	B1/H2/TR
BA1DC-WO35-0915-1	L1675327-7	WO	N	1	p,p'-DDE	0.0081	0.086 B	0.086 J	NG/L	H2
BA2B-WO75-0915-1	L1675327-9	WO	N	1	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0002	0.0018 J	0.0018 J	NG/L	H2/TR
BA2B-WO75-0915-1	L1675327-9	WO	N	1	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.010	0.028 M	0.028 J	NG/L	H2
BA2B-WO75-0915-1	L1675327-9	WO	N	1	o,p'-DDD	0.0030	0.0073 J	0.0073 J	NG/L	H2/TR
BA2B-WO75-0915-1	L1675327-9	WO	N	1	o,p'-DDE	0.0032	0.014 J	0.014 J	NG/L	H2/C11/TR
BA2B-WO75-0915-1	L1675327-9	WO	N	1	p,p'-DDE	0.010	0.083 B	0.083 J	NG/L	H2
BA2C-WO30-0915-1	L1675327-11	WO	N	1	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0003	0.0059 J	0.0059 J	NG/L	H2/TR

Automated Data Review Detail Report for L1675327

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Detected Results

Test Method: E1699		Extraction Method: METHOD			Leach Method: NONE					
FieldSample ID	LabSample ID	Matrix	Type	Dilution	Analyte	MDL	Lab Result	Qualified Result	Units	Reason
BA2C-WO30-0915-1	L1675327-11	WO	N	1	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.023	0.15	0.15 J	NG/L	H2
BA2C-WO30-0915-1	L1675327-11	WO	N	1	o,p'-DDD	0.0067	0.016 J	0.016 J	NG/L	H2/TR
BA2C-WO30-0915-1	L1675327-11	WO	N	1	o,p'-DDE	0.0049	0.048 M	0.048 J	NG/L	H2/C11
BA2C-WO30-0915-1	L1675327-11	WO	N	1	p,p'-DDD	0.013	0.033 B	0.033 J	NG/L	H2/B1
BA2C-WO30-0915-1	L1675327-11	WO	N	1	p,p'-DDE	0.010	0.20 B	0.20 J	NG/L	H2
BA2C-WO55-0915-1	L1675327-12	WO	N	1	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0004	0.0035 J	0.0035 J	NG/L	H2/TR
BA2C-WO55-0915-1	L1675327-12	WO	N	1	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.048	0.11 M	0.11 J	NG/L	H2
BA2C-WO55-0915-1	L1675327-12	WO	N	1	o,p'-DDE	0.0075	0.024 M	0.024 J	NG/L	H2/C11
BA2C-WO55-0915-1	L1675327-12	WO	N	1	p,p'-DDE	0.029	0.14 B	0.14 J	NG/L	H2
BA2DC-WO20-0915-1	L1675327-14	WO	N	1	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0002	0.010 J	0.010 J	NG/L	B1/H2/TR
BA2DC-WO20-0915-1	L1675327-14	WO	N	1	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.0065	0.090 M	0.090 J	NG/L	H2
BA2DC-WO20-0915-1	L1675327-14	WO	N	1	o,p'-DDE	0.0007	0.034	0.034 J	NG/L	H2/B1
BA2DC-WO20-0915-1	L1675327-14	WO	N	1	p,p'-DDD	0.0084	0.023 M	0.023 J	NG/L	B1/H2/G4
BA2DC-WO20-0915-1	L1675327-14	WO	N	1	p,p'-DDE	0.0029	0.18 B	0.18 J	NG/L	H2/B1
BA2DC-WO35-0915-1	L1675327-15	WO	N	1	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0003	0.011 J	0.011 J	NG/L	B1/H2/TR
BA2DC-WO35-0915-1	L1675327-15	WO	N	1	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.0091	0.11 M	0.11 J	NG/L	H2
BA2DC-WO35-0915-1	L1675327-15	WO	N	1	o,p'-DDE	0.0011	0.029	0.029 J	NG/L	H2/B1
BA2DC-WO35-0915-1	L1675327-15	WO	N	1	p,p'-DDE	0.0054	0.16 B	0.16 J	NG/L	H2/B1
BA2DC-WO5-0915-1	L1675327-13	WO	N	1	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0004	0.0021 J	0.0021 J	NG/L	H2/TR
BA2DC-WO5-0915-1	L1675327-13	WO	N	1	o,p'-DDE	0.0052	0.017 J	0.017 J	NG/L	H2/C11/TR
BA2DC-WO5-0915-1	L1675327-13	WO	N	1	p,p'-DDE	0.022	0.082 B	0.082 J	NG/L	H2
BA3C-WO30-0915-1	L1675327-17	WO	N	1	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0002	0.019 M,[J]	0.019 J	NG/L	B1/H2/TR
BA3C-WO30-0915-1	L1675327-17	WO	N	1	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.016	0.25	0.25 J	NG/L	H2
BA3C-WO30-0915-1	L1675327-17	WO	N	1	o,p'-DDE	0.0017	0.067	0.067 J	NG/L	H2/B1
BA3C-WO30-0915-1	L1675327-17	WO	N	1	p,p'-DDD	0.027	0.038 M	0.038 J	NG/L	H2
BA3C-WO30-0915-1	L1675327-17	WO	N	1	p,p'-DDE	0.0060	0.31	0.31 J	NG/L	H2/B1

Automated Data Review Detail Report for L1675327

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Detected Results

Test Method: E1699	Extraction Method: METHOD		Leach Method: NONE							
FieldSample ID	LabSample ID	Matrix	Type	Dilution	Analyte	MDL	Lab Result	Qualified Result	Units	Reason
BA3C-WO5-0915-1	L1675327-16	WO	N	1	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0003	0.0022 J	0.0022 J	NG/L	B1/H2/TR
BA3C-WO5-0915-1	L1675327-16	WO	N	1	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.0081	0.015 M,[J],	0.015 J	NG/L	H2/TR
BA3C-WO5-0915-1	L1675327-16	WO	N	1	o,p'-DDE	0.0014	0.010 M,[J],	0.010 J	NG/L	B1/H2/TR
BA3C-WO5-0915-1	L1675327-16	WO	N	1	p,p'-DDE	0.0062	0.065 B	0.065 J	NG/L	H2/B1
BA3C-WO55-0915-1	L1675327-18	WO	N	1	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0003	0.0099 J	0.0099 J	NG/L	B1/H2/TR
BA3C-WO55-0915-1	L1675327-18	WO	N	1	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.023	0.12	0.12 J	NG/L	H2
BA3C-WO55-0915-1	L1675327-18	WO	N	1	o,p'-DDE	0.0028	0.030	0.030 J	NG/L	H2/B1
BA3C-WO55-0915-1	L1675327-18	WO	N	1	p,p'-DDE	0.011	0.15 B	0.15 J	NG/L	H2/B1
BA3C-WO58-0915-1	L1675327-19	WO	N	1	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0003	0.012 J	0.012 J	NG/L	B1/H2/TR
BA3C-WO58-0915-1	L1675327-19	WO	N	1	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.015	0.16 M	0.16 J	NG/L	H2
BA3C-WO58-0915-1	L1675327-19	WO	N	1	o,p'-DDE	0.0020	0.037	0.037 J	NG/L	H2/B1
BA3C-WO58-0915-1	L1675327-19	WO	N	1	p,p'-DDE	0.0095	0.21 B	0.21 J	NG/L	H2/B1
BA3DC-WO20-0915-1	L1675327-21	WO	N	1	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0004	0.030	0.030 J	NG/L	H2
BA3DC-WO20-0915-1	L1675327-21	WO	N	1	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.032	0.39	0.39 J	NG/L	H2
BA3DC-WO20-0915-1	L1675327-21	WO	N	1	o,p'-DDE	0.0032	0.11	0.11 J	NG/L	H2/B1
BA3DC-WO20-0915-1	L1675327-21	WO	N	1	p,p'-DDE	0.013	0.58	0.58 J	NG/L	H2/B1
BA3DC-WO35-0915-1	L1675327-22	WO	N	1	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0005	0.045	0.045 J	NG/L	H2
BA3DC-WO35-0915-1	L1675327-22	WO	N	1	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.028	0.52	0.52 J	NG/L	H2
BA3DC-WO35-0915-1	L1675327-22	WO	N	1	o,p'-DDE	0.0037	0.12	0.12 J	NG/L	H2/B1
BA3DC-WO35-0915-1	L1675327-22	WO	N	1	p,p'-DDD	0.045	0.057	0.057 J	NG/L	H2
BA3DC-WO35-0915-1	L1675327-22	WO	N	1	p,p'-DDE	0.016	0.59	0.59 J	NG/L	H2/B1
W1-WO30-0915-1	L1675327-27	WO	N	1	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0004	0.0036 J	0.0036 J	NG/L	B1/H2/TR
W1-WO30-0915-1	L1675327-27	WO	N	1	o,p'-DDE	0.0030	0.020 [J],[B]	0.020 J	NG/L	B1/H2/TR
W1-WO30-0915-1	L1675327-27	WO	N	1	p,p'-DDE	0.015	0.12 B	0.12 J	NG/L	H2/B1
W1-WO55-0915-1	L1675327-28	WO	N	1	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0004	0.0024 M,[J]	0.0024 J	NG/L	B1/H2/TR
W1-WO55-0915-1	L1675327-28	WO	N	1	o,p'-DDE	0.0043	0.011 [J],[B]	0.011 J	NG/L	B1/H2/TR

Automated Data Review Detail Report for L1675327

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Detected Results

Test Method: E1699		Extraction Method: METHOD			Leach Method: NONE					
FieldSample ID	LabSample ID	Matrix	Type	Dilution	Analyte	MDL	Lab Result	Qualified Result	Units	Reason
W1-WO55-0915-1	L1675327-28	WO	N	1	p,p'-DDE	0.017	0.088 B	0.088 J	NG/L	H2/B1
W1-WO58-0915-1	L1675327-29	WO	N	1	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0007	0.0097 J	0.0097 J	NG/L	B1/H2/TR
W1-WO58-0915-1	L1675327-29	WO	N	1	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.019	0.057 M	0.057 J	NG/L	H2
W1-WO58-0915-1	L1675327-29	WO	N	1	o,p'-DDD	0.0035	0.013 [J],R	0.013 J	NG/L	H2/TR
W1-WO58-0915-1	L1675327-29	WO	N	1	o,p'-DDE	0.0025	0.022 M,[J],	0.022 J	NG/L	B1/H2/TR
W1-WO58-0915-1	L1675327-29	WO	N	1	p,p'-DDD	0.0088	0.022 M,[J]	0.022 J	NG/L	B1/H2/TR
W1-WO58-0915-1	L1675327-29	WO	N	1	p,p'-DDE	0.0071	0.13 B	0.13 J	NG/L	H2/B1
W1-WO58-0915-1	L1675327-29	WO	N	1	p,p'-DDT	0.032	0.050 M	0.050 J	NG/L	H2/G4

Automated Data Review Detail Report for L1675327

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery
Component Palos Verdes Shelf, Los Angeles County, California

Rejected Results

--No Records Found--

Automated Data Review Detail Report for L1675327

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Review Questions

Method: E1668C				
Review Questions	Yes	No	NA	Comment
Stage 2 Review: COC - Custody Trail?	•			
Stage 2 Review: COC - Temperature/Condition?	•			
Stage 2 Review: COC - Receipt anomalies?	•			Client Sample IDs BA2B-WO145-0915-1 and BA1DC-WO5-915-1, which had been stricken from the COC, were received but not analyzed, as instructed. The sample labeled as BA2DC-WO5-915-1, with a sampling time of 13:27, has been reported as BA2DC-WO35-915-1, matching the COC, as instructed. The report will follow in a separate package.
Stage 2 Review: COC - Sample/Methods checked?	•			
Stage 2 Review: Case Narrative - Anomalies?	•			
Stage 2 Review: Samples - Collection date?	•			09/15/2015 and 09/16/2015
Stage 2 Review: Samples - Extraction date?	•			09/22/2015
Stage 2 Review: Samples - Analysis date?	•			10/22/2015 and 10/23/2015
Stage 2 Review: Samples - Holding time?	•			
Stage 2 Review: Samples - Batching?	•			WG2175642 and WG2176880
Stage 2 Review: Samples - Surrogate recoveries?			•	
Stage 2 Review: Samples - Lab qualifiers?	•			J-Flag: Result >= MDL, <= RL. R-flag: ion abundance criteria not met. M-flag: peak was manually integrated. B-flag: analyte detected in the blank >10% of sample concentration.
Stage 2 Review: Samples - Internal Standard recoveries?	•			Two extraction standards had low recoveries in Client Sample ID W1-WO5-0915-1. The standards were for early eluting PCBs that were not reported. Qualification of data is not warranted.
Stage 2 Review: Calibration - ICAL?	•			
Stage 2 Review: Calibration - ICV?	•			
Stage 2 Review: Calibration - CCV?	•			
Stage 2 Review: Instrument - Tune?	•			

Automated Data Review Detail Report for L1675327

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Review Questions

Method: E1668C

Review Questions	Yes	No	NA	Comment
Stage 2 Review: Blank - Method blank?	•			For Blank ID WG2175642-1, the following analytes were detected. Associated results at concentrations less than the concentrations in the blank are qualified as not detected (U). Associated results at concentrations greater than the concentration in the blank are qualified for potential high bias (J+). PCB-052 (2.65 pg/L), PCB-044/047/065 (3.59 pg/L), PCB-090/101/113 (1.27 pg/L), PCB-118 (1.25 pg/L), and PCB-153/168 (1.03 pg/L). For Blank ID WG2176880-1, PCB-044/047/065 was detected at a concentration of 3.20 pg/L. Associated results at concentrations less than the concentration in the blank are qualified as not detected (U). Associated results at concentrations greater than the concentration in the blank are qualified for potential high bias (J+).
Stage 2 Review: Blank - Equipment blank?			•	
Stage 2 Review: Precision/Accuracy - LCS/LCSD?	•			Precision analyses are not required by the method. For overall project precision, all project LCS spike recoveries were statistically evaluated as a single data set and appear acceptable
Stage 2 Review: Precision/Accuracy - Lab Replicate?			•	
Stage 2 Review: Precision/Accuracy - MS/MSD?			•	
Stage 2 Review: Quantitation - PQLs?	•			
Stage 2 Review: Quantitation - Dilution Factor?			•	No dilutions.
Stage 2 Review: Quantitation - Results (i.e. correct analytes, RTs)?		•		Four PCB compounds co-eluted and were reported as combined analytes: PCB-70 and -74, PCB -87 and -119, PCB-153 and -168, and PCB-156 and -157. One or more sample results were reported by the laboratory as not-detected with a laboratory data flag of "R" and an EMPC value (indicating that ion abundance criteria were not met). For those results, the "PARVQ" was changed to "C", the "<" parameter was removed, and the results are qualified as estimated concentrations (J).
Stage 2 Review: Quantitation - Column/Detector RPD?			•	
Stage 2 Review: Field Duplicates - RPD within limits?			•	No field duplicates.

Automated Data Review Detail Report for L1675327

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Review Questions

Method: E1699

Review Questions	Yes	No	NA	Comment
Stage 2 Review: COC - Custody Trail?	•			
Stage 2 Review: COC - Temperature/Condition?	•			
Stage 2 Review: COC - Receipt anomalies?	•			Client sample IDs BA2B-WO145-0915-1 and BA1DC-WO5-915-1, which had been stricken from the COC, were received but not analyzed, as instructed. Client sample ID labeled as BA2DC-WO5-915-1, with a sampling time of 13:27, has been reported as BA2DC-WO35-915-1, matching the COC, as instructed. The report will follow in a separate package.
Stage 2 Review: COC - Sample/Methods checked?	•			All samples analyzed outside of holding time.
Stage 2 Review: Case Narrative - Anomalies?	•			For Client Sample ID W1-W05-0915-1, several extraction standard were not recovered. Chromatography columns were further eluted, and the discard fractions were analyzed without improving recoveries. Results have not been reported.
Stage 2 Review: Samples - Collection date?	•			09/15/2015 and 09/16/2015
Stage 2 Review: Samples - Extraction date?	•			09/22/2015 and 09/23/2015
Stage 2 Review: Samples - Analysis date?	•			11/11/2015, 11/13/2015, 11/14/2015, and 11/18/2015
Stage 2 Review: Samples - Holding time?		•		Holding time exceeded project criteria; samples were extracted within the 7 day recommended holding time, but were analyzed more than 40 days after extraction. The associated samples are qualified as estimated with a potential low bias (J-/UJ).
Stage 2 Review: Samples - Batching?	•			WG2175642, WG2176880
Stage 2 Review: Samples - Surrogate recoveries?	•			Several extraction standard recoveries were low. For all project samples, only one of four standard recoveries did not meet criteria; therefore, qualification of data is not warranted.
Stage 2 Review: Samples - Lab qualifiers?	•			J-Flag: Result >= MDL, <= RL. R-flag: ion abundance criteria not met. M-flag: peak was manually integrated. B-flag: analyte detected in the blank >10% of sample concentration.
Stage 2 Review: Samples - Internal Standard recoveries?			•	
Stage 2 Review: Calibration - ICAL?	•			
Stage 2 Review: Calibration - ICV?	•			
Stage 2 Review: Calibration - CCV?		•		For CCV H6-15-CCV-0645 (11/11/2015 02:27), the 2,4'-DDE %R was high (128%). Associated detected results are qualified as estimate with a potential high bias (J+).

Automated Data Review Detail Report for L1675327

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Review Questions

Method: E1699				
Review Questions	Yes	No	NA	Comment
				For Blank ID WG2175642-1, the following analytes were detected. Associated results at concentrations less than the concentration in the blank are qualified as not detected (U). Associated results at concentrations greater than the concentration in the blank are qualified as estimate with a potential high bias (J+). 4,4'-DDE (0.0371 ng/L) 4,4'-DDD (0.0108 ng/L)
Stage 2 Review: Blank - Method blank?	•			For Blank ID WG2176880-1, the following analytes were detected. Associated results at concentrations less than the concentration in the blank are qualified as not detected (U). Associated results at concentrations greater than the concentration in the blank are qualified as estimated with a potential high bias (J+). 2,4'-DDE (0.00236 ng/L) 4,4'-DDE (0.0278 ng/L)
Stage 2 Review: Blank - Equipment blank?			•	
Stage 2 Review: Instrument - Tune?	•			
Stage 2 Review: Instrument - Breakdown Standard?	•			
Stage 2 Review: Precision/Accuracy - Lab Replicates?			•	
Stage 2 Review: Precision/Accuracy - MS/MSD?			•	
Stage 2 Review: Precision/Accuracy - LCS/LCSD?	•			Precision analyses are not required by the method. For overall project precision, all project LCS spike recoveries were statistically evaluated as a single data set and appear acceptable.
Stage 2 Review: Quantitation - PQLs?	•			
Stage 2 Review: Quantitation - Dilution Factor?			•	No dilutions.
Stage 2 Review: Quantitation - Results (i.e. correct analytes, RTs)?		•		One or more sample results were reported by the laboratory as not-detected with a laboratory data flag of "R" and an EMPC value (indicating that ion abundance criteria were not met). For those results, the "PARVQ" was changed to "C", the "<" parameter was removed, and the results are qualified as estimated concentrations (J).
Stage 2 Review: Quantitation - Column/Detector RPD?			•	
Stage 2 Review: Field Duplicates - RPD within limits?			•	No field duplicates.

AUTOMATED DATA REVIEW SUMMARY for L1675327_rev1

Facility: EPA, Region 9
PV Shelf Water

Guidance Document: Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery Component Palos Verdes Shelf, Los Angeles County, California

Contract Laboratory: ALS LAB GROUP, BURLINGTON, ON CANADA

Field Contractor: Gilbane Company, Walnut Creek, CA

Data Review Contractor: Gilbane Federal, Concord, CA

SDG: L1675327_rev1, Certified - 9/20/2016 by wtse

QC Level: S2AVEM

Project Manager: Robert Lindfors

Data Reviewer: Tom Beer

Data Reviewer Title: Project Chemist

Date of Review Report: September 22, 2016

Second Reviewer:

Completion Date of Second Reviewer:

Samples Included in SDG L1675327_rev1

Analytical Method/ Leach Method	Normal Water Samples	Field QC Water Samples
E1699/NONE	1	0

AUTOMATED DATA REVIEW SUMMARY for L1675327_rev1

This report assesses the analytical data quality associated with the analyses listed on the preceding cover page. This assessment has been made through a combination of automated data review (ADR) and supplemental manual review, the details of which are described below. The approach taken in the review of this data set is consistent with the requirements contained in the Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery Component Palos Verdes Shelf, Los Angeles County, California to the extent possible. Where definitive guidance is not provided, data has been evaluated in a conservative manner using professional judgment. In cases where two qualifiers are listed as an action, such as 'J/UJ', the first qualifier applies to positive results, and the second to non-detect results.

Samples were collected by Gilbane Company, Walnut Creek, CA; analyses were performed by ALS LAB GROUP, BURLINGTON, ON CANADA and were reported under sample delivery group (SDG) L1675327_rev1. Results have been evaluated electronically using electronic data deliverables (EDDs) provided by the laboratory. The laboratory data summary forms (hard copy) have been reviewed during this effort and compared to the automated review output. Findings based on the automated data submission and manual data verification processes are detailed in the ADR narrative.

The following quality control elements were supported by the electronic deliverable and were evaluated during this review effort:

- Prep Hold Time
- Surrogate
- Test Hold Time

The following quality control elements were either not applicable to the deliverable, or were not supported by the electronic deliverable, and were therefore not included in the automated data review. Those elements required for the project were reviewed manually, as narrated in the Comment section below.

- Ambient Blank
- Blank
- Blank - Negative
- Calibration Blank
- Calibration Blank - Negative
- Continuing Calibration Verification
- Equipment Blank
- Field Blank
- Field Duplicate
- Initial Calibration Verification
- Lab Replicate RPD
- LCS Recovery
- Material Blank
- MS Recovery
- MS RPD
- Negative Blank
- Trip Blank

AUTOMATED DATA REVIEW SUMMARY for L1675327_rev1

A minimum of ten percent of sample and QC results were manually evaluated for compliance with project specific requirements and consistency with hard copy results. The following summaries were generated during the evaluation of this data set and are included in this report as applicable.

Batch – The analytical batch report is reviewed for completeness and compliance with project specific requirements. Incomplete or non-compliant run sequences are identified and their impact on data quality are discussed in the narrative.

QC Outlier – Results exceeding the evaluation criteria are reviewed for compliance with project requirements and a minimum of ten percent of the non-compliant QC values reported electronically are verified for consistency with hard-copy values.

Qualified Results – Qualified results are evaluated for compliance with project requirements and ten percent of qualified results are verified for consistency with the QC Outliers.

Rejected Results – All rejected results are evaluated for compliance with project requirements. The reason for rejection of the data is verified against hard copy data.

Field Duplicates – Field duplicate comparison results are evaluated for compliance with project requirements and ten percent of values reported are verified for consistency with the hard-copy data.

Data Submission Warnings – Warnings encountered during the data submission process are evaluated and their affect on data quality is discussed in the narrative below.

Analytical deficiencies, project non-compliance issues and inconsistencies with hard copy results observed during ADR evaluation process and their impact on data quality are summarized in the narrative below.

A total of 8 results (100.00%) out of the 8 results (sample and field QC samples) reported are qualified based on review and 8 results (100.00%) have been rejected. The qualified results are detailed in the following tables and discussed in the narrative below, where appropriate.

Narrative Comments

Reviewer contacted ALS Environmental Labs (Canada) re: non-reporting of DDTs in sample W1-W05-0915-1 (see NCR 16-01, attached)

All eight DDT isomers in sample W1-W05-0915-1 were non-quantifiable (NQ) and not reported by the lab.

The eight (8) DDT isomer results are rejected (R) due to 0% recovery of several labeled extraction standards (surrogates [S]). Chromatography columns were further eluted, and discard fractions were re-analyzed without improving recoveries.

J. Beer

Digitally signed by Tom Beer
DN: cn=Tom Beer, o, ou, email=tbeer@gilbaneco.com, c=US
Date: 2016.09.22 10:25:18 -07'00'

22-Sep-2016

Released by Tom Beer, Project Chemist

AUTOMATED DATA REVIEW SUMMARY for L1675327_rev1

Reason and Comment Code Definitions

Reasons	
Code	Definition
A	Serial dilution
A1	Ambient Blank
B1	The analyte was found in an associated method blank.
B2	Calibration Blank
B3	Calibration Blank - Negative
B4	Negative Blank
B5	The analyte was found in an associated blank as well as in the sample.
C10	Continuing Calibration Verification RRF
C11	Continuing Calibration Verification percent recovery, percent difference, or percent drift
C12	Low Level Continuing Calibration Verification was outside control limits
D1	Lab Replicate RPD
D2	MS RPD exceeded established criteria.
D4	No precision available
D5	Field duplicate precision
D6	RPD of laboratory control sample exceeded criteria
D7	Field Duplicate not usable
E	Exceeds LinearCalibration Range
F	Hydrocarbon pattern does not match standard
G	Initial Calibration RRF
G1	Initial Calibration RSD
G2	Initial Calibration Verification percent recovery, percent difference, or percent drift
G3	r2 values < 0.990 in the ICAL
G4	Ion abundance ratios are outside criteria - estimated maximum possible concentration (EMPC) reported
G5	Initial Calibration out for metals/inorganics
H1	Test Hold Time
H2	Prep Hold Time

AUTOMATED DATA REVIEW SUMMARY for L1675327_rev1

Reason and Comment Code Definitions

Reasons	
Code	Definition
I	Internal standard
J	CRA/CRI Recovery
K	An analyte (non-common laboratory artifact) was detected in the sample at a concentration less than 5X the concentration detected in the associated method blank.
K1	Detected in the associated equipment rinsate blank.
K2	Detected in the associated field (i.e., ambient) blank.
K3	Detected in the associated trip blank.
K4	Detected in the associated storage blank
K5	Detected in the associated source blank
L	Percent recovery of laboratory control sample recovery was outside established limits
L1	A common laboratory artifact was detected in the sample at a concentration less than 10X the concentration detected in the associated method blank. (Negative)
M	Matrix spike recovery was outside established criteria.
M1	Minimum matrix spike frequency was not attained
N	Blank - No Action
O	Interference check sample
P	Sample preservation/collection requirement not met.
P1	Column or detector RPD
P2	Improper preparation/extraction
Q1	Material Blank
S	Surrogate recovery out of criteria (upper or lower limit)
S1	Sample less than 50% solids
T	Receipt Temperature
T2	RSD of lab triplicate out
TI	Tentatively Identified Compound
TR	Trace Level Detect
V	Sample Receipt Condition
W	Column breakdown (pesticides)

AUTOMATED DATA REVIEW SUMMARY for L1675327_rev1

Reason and Comment Code Definitions

Reasons	
Code	Definition
X	Raised reporting limit
X1	Unresolved Isomers; no peak separation
X2	Qualified due to professional judgment, see data validation narrative.
Y	Analyte not confirmed on second column
Y1	False Positive
Y2	Sum of species greater than total result
Z	Data rejected due to radiological anomalies
Z1	Data rejected, more valid data available

Flag Code and Definitions

Flag	Definition
U	Undetected: The analyte was analyzed for, but not detected.
UJ	The analyte was not detected; however, the result is estimated due to discrepancies in meeting certain analyte-specific quality control criteria.
J	Estimated: The analyte was positively identified, the quantitation is an estimation due to discrepancies in meeting certain analyte-specific quality control criteria.
R	The data are rejected due to deficiencies in meeting QC criteria and may not be used for decision making.
N	The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification".
NJ	The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.

AUTOMATED DATA REVIEW SUMMARY for L1675327_rev1

Batch Report

Test Method: E1699; Leach Method: NONE

Analytical Batch	Prep Batch	Leach Batch	Location	Matrix	Field Sample ID	Lab Sample ID	Calibration Ref	Run#/ Dil'n	Collection Date/Time	Extract Date/Time	Analysis Date/Time	Sample Type
R3321467	R3321467	NA	W1	WO	W1-WO5-0915-1	L1675327-26		1/1	16-Sep-2015 8:42 AM	23-Sep-2015 12:00 AM	13-Nov-2015 10:00 PM	N

AUTOMATED DATA REVIEW SUMMARY for L1675327_rev1

Field Batch Report

--No Records Found--

AUTOMATED DATA REVIEW SUMMARY for L1675327_rev1

QC Outlier Report

Test/Prep	QC Element	Sample ID	Run# / Dil'n	Analyte	Result	Units	Qualifier	Warning Limits	Control Limits	Reason	Comment	Rule	Action Level
E1699 / METHOD	Prep Hold Time	W1-WO5-0915-1 (N)	1 / 1.00	All in Run	51.9	Days	J/UJ	< 40	< 80	H2			
E1699 / METHOD	Surrogate	W1-WO5-0915-1 (N)	1 / 1.00	13C10-OXYCHLORDANE	0.00	Percent	J/R	23 - 135	10 - 145	S			
E1699 / METHOD	Surrogate	W1-WO5-0915-1 (N)	1 / 1.00	4,4'-DDD-13C12	0.00	Percent	J/UJ	10 - 150	< 160	S			
E1699 / METHOD	Surrogate	W1-WO5-0915-1 (N)	1 / 1.00	4,4'-DDE-13C12	0.00	Percent	J/R	47 - 160	10 - 170	S			
E1699 / METHOD	Surrogate	W1-WO5-0915-1 (N)	1 / 1.00	4,4'-DDT-13C12	0.00	Percent	J/UJ	5 - 120	< 130	S			

AUTOMATED DATA REVIEW SUMMARY for L1675327_rev1

Qualified Results

Test Leach	Matrix	FieldSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Units	Reason
E1699/NONE	WO	W1-WO5-0915-1	N	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.024	0.024 NQ	0.024 R	NG/L	H2/S
E1699/NONE	WO	W1-WO5-0915-1	N	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.024	0.024 NQ	0.024 R	NG/L	H2/S
E1699/NONE	WO	W1-WO5-0915-1	N	o,p'-DDD	0.024	0.024 NQ	0.024 R	NG/L	H2/S
E1699/NONE	WO	W1-WO5-0915-1	N	o,p'-DDE	0.024	0.024 NQ	0.024 R	NG/L	H2/S
E1699/NONE	WO	W1-WO5-0915-1	N	o,p'-DDT	0.024	0.024 NQ	0.024 R	NG/L	H2/S
E1699/NONE	WO	W1-WO5-0915-1	N	p,p'-DDD	0.024	0.024 NQ	0.024 R	NG/L	H2/S
E1699/NONE	WO	W1-WO5-0915-1	N	p,p'-DDE	0.024	0.024 NQ	0.024 R	NG/L	H2/S
E1699/NONE	WO	W1-WO5-0915-1	N	p,p'-DDT	0.024	0.024 NQ	0.024 R	NG/L	H2/S

AUTOMATED DATA REVIEW SUMMARY for L1675327_rev1

Detected Results

--No Records Found--

Rejected Results

Test Leach	Matrix	FieldSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Units	Reason
E1699/NONE	WO	W1-WO5-0915-1	N	o,p'-DDD	0.024	0.024 NQ	R	NG/L	H2/S
E1699/NONE	WO	W1-WO5-0915-1	N	p,p'-DDD	0.024	0.024 NQ	R	NG/L	H2/S
E1699/NONE	WO	W1-WO5-0915-1	N	o,p'-DDE	0.024	0.024 NQ	R	NG/L	H2/S
E1699/NONE	WO	W1-WO5-0915-1	N	p,p'-DDE	0.024	0.024 NQ	R	NG/L	H2/S
E1699/NONE	WO	W1-WO5-0915-1	N	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.024	0.024 NQ	R	NG/L	H2/S
E1699/NONE	WO	W1-WO5-0915-1	N	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.024	0.024 NQ	R	NG/L	H2/S
E1699/NONE	WO	W1-WO5-0915-1	N	o,p'-DDT	0.024	0.024 NQ	R	NG/L	H2/S
E1699/NONE	WO	W1-WO5-0915-1	N	p,p'-DDT	0.024	0.024 NQ	R	NG/L	H2/S



NONCONFORMANCE/CORRECTIVE ACTION REPORT

CONTRACT NO. / TO NO.:	GILBANE PROJECT NO.: J163006900
PROJECT TITLE / LOCATION: PV Shelf, Water Sampling Program / Los Angeles County, California	DATE: 2-5-2016 NCR LOG NO.: 16-01
PART A: DESCRIPTION OF NONCONFORMANCE/DEFICIENCY (INCLUDE SPECIFIC REQUIREMENT REFERENCES):	
<i>Final Quality Assurance Project Plan) – Water Sampling Program, Palos Verdes Shelf, Remedial Action – Monitored Natural Recovery Component, Los Angeles County, California, dated October 2014, provides project requirements for laboratory analyses.</i> 1. <i>Work Sheet #15, Project Action Limits and Laboratory-Specific Detection/Quantitation Limits, provides the laboratory-specific Limit of Detection (LOD) and Limit of Quantitation (LOQ) for each target analyte for Methods 1699 (DDTs) and 1668C (PCBs).</i> 2. <i>Work Sheet #12, Measurement Performance Criteria, provides recovery limit (%R) ranges of all labeled DDTs in extraction standards for quantitation and surrogates.</i> 3. <i>ALS Environmental (Canada), Standard Operating Procedure (SOP) BU-WI-3026 v01 GILBANE PV SHELF PRE-PREP FOR LOW LEVEL PCB AND OCP DETERMINATIONS FROM SEAWATER; Section 3.0 where the instructions require extraction of the whole sample in its entirety.</i> 4. <i>ALS Environmental (Canada), Standard Operating Procedure (SOP) BU-TM-1103 v053 OC Pesticides Instrumental Method - HRMS; Section 8.2.2: "Data review, approval and validation with respect to Extraction Standard recoveries.</i> 1. <i>ALS Environmental (Canada) mis-identified the sample for which the DDTs results were unable to be reported as sample BA3C-WO5-0915-1 (not sample W1-WO5-0915-1), resulting in the re-collection of a sample already successfully analyzed, see text of email sent by ALS to Gilbane on 11/30/2015, as follows: "It has been brought to my attention that we [ALS] are not going to be able to report DDT results for sample: BA3C-WO5-0915-1 sampled 09/16/2015. Would this be a possibility to collect while out in the field?"</i> 2. <i>ALS Environmental (Canada) was unable to report DDTs results for sample W1-WO5-0915-1 in the SDG L1675327 Revised Report, issued 12/14/2015.</i>	
IDENTIFIED BY: Thomas Beer, Project Chemist	DATE: 02-03-2016
PART B: ROOT CAUSE:	
1) <i>No back up sample collected. The entire 2.5L sample submitted was extracted in its entirety.</i> 2) <i>Inadequate extraction standard recoveries were obtained through the extract cleanup; in order to provide valid analytical results.</i> 3) <i>When sample re-collection was occurring, the wrong sample was identified by ALS re the need for re-sampling and re-analysis.</i>	
PART C: CORRECTIVE AND PREVENTIVE ACTIONS	
CORRECTIVE ACTIONS TO BE TAKEN (LIST AS CA 1, CA 2, ETC. FOR REFERENCE):	

CA1 – ALS requested a replacement sample & contacted Gilbane for re-sampling. [This failed due to an error in the sample identification]. CA2 – ALS recombined cleanup column fractions to try to find the missing recoveries [unsuccessful] CA3 - ALS continues to monitor extraction standard recoveries from column cleanup. This project observed 1 sample out of 140 with recoveries below where valid data could be reported. This is assessed as an acceptable performance ratio.	PROPOSED COMPLETION DATES: COMPLETED
PREVENTIVE ACTIONS TO BE TAKEN (LIST AS PA 1, PA.2, ETC. FOR REFERENCE):	
PA1 – ALS continues to monitor extraction standard recoveries from column cleanup. PA2 – Client Services staffing to double check the accuracy of critical communications. PA3 - Client Serviced Manager to Spot check staff communications for accuracy with a high emphasis on critical actions.	PROPOSED COMPLETION DATES: COMPLETED
RON MCLEOD _____ RESPONSIBLE MANAGER PRINTED NAME AND SIGNATURE	DATE FEB 17, 2016
PART D: ACCEPTANCE:	
_____ QC MANAGER SIGNATURE AND PRINTED NAME	DATE:
_____ CORRECTIVE ACTION(S) VERIFIED BY (ATTACHED LIST WITH REFERENCE NUMBERS IF NOT VERIFIED AT SAME TIME.)	DATE: FEB 17, 2016

Facility: EPA, Region 9
 Event: PV Shelf Water
 Guidance Document: Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery Component Palos Verdes Shelf, Los Angeles County, California
 Contract Laboratory: ALS LAB GROUP, BURLINGTON, ON CANADA
 Field Contractor: Gilbane Company, Walnut Creek, CA
 Data Review Contractor: Veridian Environmental, Inc.
 SDG: L1676352, Certified - 5/27/2016 by wtse
 QC Level: S2BVEM
 Project Manager: Robert Lindfors
 Data Reviewer: Lynn Sandsor
 Data Reviewer Title: Senior Quality Assurance Chemist
 Date of Review Report: May 17, 2016
 Second Reviewer: Tracy Young
 Completion Date of Second Reviewer: August 01, 2016

Analytical Method/ Leach Method	Normal Water Samples	Field QC Water Samples
E1668C/NONE	10	
E1699/NONE	10	

This report assesses the analytical data quality associated with the analyses listed on the preceding cover page. This assessment has been made through a combination of automated data review (ADR) and supplemental manual review, the details of which are described below. The approach taken in the review of this data set is consistent with the requirements contained in the Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery Component Palos Verdes Shelf, Los Angeles County, California to the extent possible. Where definitive guidance is not provided, data has been evaluated in a conservative manner using professional judgment. In cases where two qualifiers are listed as an action, such as 'J/UJ', the first qualifier applies to positive results, and the second to non-detect results.

Samples were collected by Gilbane Company, Walnut Creek, CA; analyses were performed by ALS LAB GROUP, BURLINGTON, ON CANADA and were reported under sample delivery group (SDG) L1676352. Results have been evaluated electronically using electronic data deliverables (EDDs) provided by the laboratory. The laboratory data summary forms (hard copy) have been reviewed during this effort and compared to the automated review output. Findings based on the automated data submission and manual data verification processes are detailed in the ADR narrative.

The following quality control elements were supported by the electronic deliverable and were evaluated during this review effort:

- Blank
- Blank - Negative
- LCS Recovery
- Prep Hold Time
- Surrogate
- Test Hold Time

The following quality control elements were either not applicable to the deliverable, or were not supported by the electronic deliverable, and were therefore not included in the automated data review. Those elements required for the project were reviewed manually, as narrated in the Comment section below.

- Ambient Blank
- Calibration Blank
- Calibration Blank - Negative
- Continuing Calibration Verification
- Equipment Blank
- Field Blank
- Field Duplicate
- Initial Calibration Verification
- Lab Replicate RPD
- Material Blank
- MS Recovery
- MS RPD
- Negative Blank
- Trip Blank

A representative sampling or ten percent of sample and QC results were manually evaluated for compliance with project specific requirements and consistency with hard copy results. The following summaries were generated during the evaluation of this data set and are included in this report as applicable.

Batch – The analytical batch report is reviewed for completeness and compliance with project specific requirements. Incomplete or non-compliant run sequences are identified and their impact on data quality are discussed in the narrative.

QC Outlier – Results exceeding the evaluation criteria are reviewed for compliance with project requirements and a minimum of ten percent of the non-compliant QC values reported electronically are verified for consistency with hard-copy values.

Qualified Results – Qualified results are evaluated for compliance with project requirements and ten percent of qualified results are verified for consistency with the QC Outliers.

Rejected Results – All rejected results are evaluated for compliance with project requirements. The reason for rejection of the data is verified against hard copy data.

Field Duplicates – Field duplicate comparison results are evaluated for compliance with project requirements and ten percent of values reported are verified for consistency with the hard-copy data.

Data Submission Warnings – Warnings encountered during the data submission process are evaluated and their affect on data quality is discussed in the narrative below.

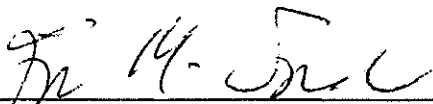
Analytical deficiencies, project non-compliance issues and inconsistencies with hard copy results observed during ADR evaluation process and their impact on data quality are summarized in the narrative below.

A total of 142 results (28.40%) out of the 500 results (sample and field QC samples) reported are qualified based on review and 0 results (0.00%) have been rejected. Trace values are not counted as qualified results in the above count. The qualified results are detailed in the following tables and discussed in the narrative below, where appropriate.

Narrative Comments

Project samples listed on COC include ten individual samples. Samples received in good condition per case narrative.

Analytical Method	Comment
E1668C	Four PCB compounds co-eluted and were reported as combined analytes: PCB-70 and -74, PCB -87 and -119, PCB-153 and -168, and PCB-156 and -157.
E1699	.All samples analyzed outside of 40-day holding time. DDNU, DDMU, and 2,4'-DDE/DDD calculated using one to two internal standards. 2,4'-DDT calculated using one internal standard and corrected relative to 13C12-DDE. It was noted in the case narrative that the sample matrix was particularly problematic.



Reviewed by Lynn Sanders, Senior Quality Assurance Chemist

May 17, 2016



Reviewed by Tracy Young

August 01, 2016

Reason Code Definitions

Code	Definition
B1	The analyte was found in an associated method blank.
C11	Continuing Calibration Verification percent recovery, percent difference, or percent drift
G4	Ion abundance ratios are outside criteria - estimated maximum possible concentration (EMPC) reported
H2	Prep Hold Time
L	Percent recovery of laboratory control sample recovery was outside established limits
S	Surrogate recovery out of criteria (upper or lower limit)
TR	Trace Level Detect

Flag Code and Definitions

Flag	Definition
J	Estimated: The analyte was positively identified, the quantitation is an estimation due to discrepancies in meeting certain analyte-specific quality control criteria.
N	The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification".
NJ	The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.
R	The data are rejected due to deficiencies in meeting QC criteria and may not be used for decision making.
U	Undetected: The analyte was analyzed for, but not detected.
UJ	The analyte was not detected; however, the result is estimated due to discrepancies in meeting certain analyte-specific quality control criteria.

Automated Data Review Detail Report for L1676352

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Batch Report

Test Method: E1668C Analysis Batch: R3320477

Location	Matrix	Field Sample ID	Lab Sample ID	Calibration Ref	Run#/ Dil'n	Collection Date/Time	Extraction Date/Time	Analysis Date/Time	Prep/Leach Batch	Sample Type
LABQC	WQ	LABQC	WG2177847-2		1/1	9/24/2015 00:00	9/24/2015 00:00	10/23/2015 21:12	R3320477/	BS
LABQC	WQ	LABQC	WG2177847-1		1/1	9/24/2015 00:00	9/24/2015 00:00	10/23/2015 22:31	R3320477/	LB
BA4B	WO	BA4B-WO5-0915-1	L1676352-1		1/1	9/17/2015 17:19	9/24/2015 00:00	10/23/2015 23:10	R3320477/	N
BA4B	WO	BA4B-WO75-0915-1	L1676352-2		1/1	9/17/2015 18:04	9/24/2015 00:00	10/23/2015 23:50	R3320477/	N
BA4B	WO	BA4B-WO145-0915-1	L1676352-3		1/1	9/17/2015 17:44	9/24/2015 00:00	10/24/2015 00:29	R3320477/	N
BA4C	WO	BA4C-WO5-0915-1	L1676352-4		1/1	9/17/2015 18:17	9/24/2015 00:00	10/24/2015 01:09	R3320477/	N
BA4C	WO	BA4C-WO30-0915-1	L1676352-5		1/1	9/17/2015 18:28	9/24/2015 00:00	10/24/2015 01:48	R3320477/	N
BA4C	WO	BA4C-WO55-0915-1	L1676352-6		1/1	9/17/2015 18:51	9/24/2015 00:00	10/24/2015 02:28	R3320477/	N
BA4C	WO	BA4C-WO58-0915-1	L1676352-7		1/1	9/17/2015 19:03	9/24/2015 00:00	10/24/2015 03:07	R3320477/	N
W3	WO	W3-WO5-0915-1	L1676352-8		1/1	9/17/2015 16:46	9/24/2015 00:00	10/24/2015 03:47	R3320477/	N
W3	WO	W3-WO100-0915-1	L1676352-9		1/1	9/17/2015 17:05	9/24/2015 00:00	10/24/2015 04:26	R3320477/	N
W3	WO	W3-WO198-0915-1	L1676352-10		1/1	9/17/2015 16:01	9/24/2015 00:00	10/24/2015 10:32	R3320477/	N

Test Method: E1699 Analysis Batch: R3320477

Location	Matrix	Field Sample ID	Lab Sample ID	Calibration Ref	Run#/ Dil'n	Collection Date/Time	Extraction Date/Time	Analysis Date/Time	Prep/Leach Batch	Sample Type
LABQC	WQ	LABQC	WG2177847-2		1/1	9/24/2015 00:00	9/24/2015 00:00	11/18/2015 20:02	R3320477/	BS
LABQC	WQ	LABQC	WG2177847-1		1/1	9/24/2015 00:00	9/24/2015 00:00	11/18/2015 21:39	R3320477/	LB
BA4B	WO	BA4B-WO5-0915-1	L1676352-1		1/1	9/17/2015 17:19	9/24/2015 00:00	11/18/2015 22:43	R3320477/	N
BA4B	WO	BA4B-WO75-0915-1	L1676352-2		1/1	9/17/2015 18:04	9/24/2015 00:00	11/18/2015 23:16	R3320477/	N
BA4B	WO	BA4B-WO145-0915-1	L1676352-3		1/1	9/17/2015 17:44	9/24/2015 00:00	11/19/2015 02:11	R3320477/	N
BA4C	WO	BA4C-WO5-0915-1	L1676352-4		1/1	9/17/2015 18:17	9/24/2015 00:00	11/19/2015 02:43	R3320477/	N
BA4C	WO	BA4C-WO30-0915-1	L1676352-5		1/1	9/17/2015 18:28	9/24/2015 00:00	11/19/2015 03:15	R3320477/	N
BA4C	WO	BA4C-WO55-0915-1	L1676352-6		1/1	9/17/2015 18:51	9/24/2015 00:00	11/19/2015 03:48	R3320477/	N
BA4C	WO	BA4C-WO58-0915-1	L1676352-7		1/1	9/17/2015 19:03	9/24/2015 00:00	11/19/2015 06:42	R3320477/	N

Automated Data Review Detail Report for L1676352

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Batch Report

Test Method: E1699		Analysis Batch: R3320477								
Location	Matrix	Field Sample ID	Lab Sample ID	Calibration Ref	Run#/Dil'n	Collection Date/Time	Extraction Date/Time	Analysis Date/Time	Prep/Leach Batch	Sample Type
W3	WO	W3-WO5-0915-1	L1676352-8		1/1	9/17/2015 16:46	9/24/2015 00:00	11/19/2015 07:15	R3320477/	N
W3	WO	W3-WO100-0915-1	L1676352-9		1/1	9/17/2015 17:05	9/24/2015 00:00	11/19/2015 07:47	R3320477/	N
W3	WO	W3-WO198-0915-1	L1676352-10		1/1	9/17/2015 16:01	9/24/2015 00:00	11/19/2015 08:19	R3320477/	N

Automated Data Review Detail Report for L1676352

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery
Component Palos Verdes Shelf, Los Angeles County, California

Field Batch Report

--No Records Found--

Automated Data Review Detail Report for L1676352

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery Component Palos Verdes Shelf, Los Angeles County, California

QC Outlier Report

Test Method: E1668C		Extraction Method: METHOD		Leach Method: NONE							
QC Element	Sample ID/ Lab Sample ID	Run#/ Dil'n	Analyte	Result (Units)	Qualifier	Warning Limits	Control Limits	Reason	Comment	Rule	Action Level
Blank	WG2177847-1 (LB) / WG2177847-1	1 / 1.00	2,2',3,5'- TETRACHLOROBIPHENYL	3.70 (PG/L)	*U/None	< 1	< 8	B1		1	3.70
Blank	WG2177847-1 (LB) / WG2177847-1	1 / 1.00	2,2',5,5'- TETRACHLOROBIPHENYL	1.70 (PG/L)	*U/None	< 1.2	< 8	B1		1	1.70

Test Method: E1699		Extraction Method: METHOD		Leach Method: NONE							
QC Element	Sample ID/ Lab Sample ID	Run#/ Dil'n	Analyte	Result (Units)	Qualifier	Warning Limits	Control Limits	Reason	Comment	Rule	Action Level
Blank	WG2177847-1 (LB) / WG2177847-1	1 / 1.00	1,1-BIS(P- CHLOROPHENYL)ETHENE	0.00220 (NG/L)	*U/None	< 0.00067	< 0.024	B1		1	0.0022 0
Blank	WG2177847-1 (LB) / WG2177847-1	1 / 1.00	o,p'-DDE	0.00310 (NG/L)	*U/None	< 0.0018	< 0.024	B1		1	0.0031 0
Blank	WG2177847-1 (LB) / WG2177847-1	1 / 1.00	p,p'-DDD	0.00850 (NG/L)	*U/None	< 0.0044	< 0.024	B1		1	0.0085 0
Blank	WG2177847-1 (LB) / WG2177847-1	1 / 1.00	p,p'-DDE	0.0285 (NG/L)	*U/None	< 0.0054	< 0.024	B1		1	0.0285
LCS Recovery	WG2177847-2 (BS) / WG2177847-2	1 / 1.00	1,1-BIS(P- CHLOROPHENYL)ETHENE	177 (Percent)	J/None	20 - 160	10 - 170	L			
LCS Recovery	WG2177847-2 (BS) / WG2177847-2	1 / 1.00	o,p'-DDD	157 (Percent)	J/None	50 - 120	10 - 130	L			
LCS Recovery	WG2177847-2 (BS) / WG2177847-2	1 / 1.00	o,p'-DDE	148 (Percent)	J/None	50 - 120	10 - 130	L			
Prep Hold Time	BA4B-WO145-0915-1 (N) / L1676352-3	1 / 1.00	All in Run	56.1 (Days)	J/UJ	< 40	< 80	H2			
Prep Hold Time	BA4B-WO5-0915-1 (N) / L1676352-1	1 / 1.00	All in Run	56.0 (Days)	J/UJ	< 40	< 80	H2			
Prep Hold Time	BA4B-WO75-0915-1 (N) / L1676352-2	1 / 1.00	All in Run	56.0 (Days)	J/UJ	< 40	< 80	H2			
Prep Hold Time	BA4C-WO30-0915-1 (N) / L1676352-5	1 / 1.00	All in Run	56.1 (Days)	J/UJ	< 40	< 80	H2			
Prep Hold Time	BA4C-WO5-0915-1 (N) / L1676352-4	1 / 1.00	All in Run	56.1 (Days)	J/UJ	< 40	< 80	H2			
Prep Hold Time	BA4C-WO55-0915-1 (N) / L1676352-6	1 / 1.00	All in Run	56.2 (Days)	J/UJ	< 40	< 80	H2			
Prep Hold Time	BA4C-WO58-0915-1 (N) / L1676352-7	1 / 1.00	All in Run	56.3 (Days)	J/UJ	< 40	< 80	H2			

Automated Data Review Detail Report for L1676352

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery Component Palos Verdes Shelf, Los Angeles County, California

Prep Hold Time	W3-WO100-0915-1 (N) / L1676352-9	1 / 1.00	All in Run	56.3 (Days)	J/UJ	< 40	< 80	H2	
Prep Hold Time	W3-WO198-0915-1 (N) / L1676352-10	1 / 1.00	All in Run	56.3 (Days)	J/UJ	< 40	< 80	H2	
Prep Hold Time	W3-WO5-0915-1 (N) / L1676352-8	1 / 1.00	All in Run	56.3 (Days)	J/UJ	< 40	< 80	H2	
Surrogate	BA4B-WO145-0915-1 (N) / L1676352-3	1 / 1.00	4,4'-DDE-13C12	25.0 (Percent)	J/UJ	47 - 160	10 - 170	S	Only one SS out. Qualifier Removed.
Surrogate	BA4B-WO5-0915-1 (N) / L1676352-1	1 / 1.00	4,4'-DDE-13C12	27.0 (Percent)	J/UJ	47 - 160	10 - 170	S	Only one SS out. Qualifier Removed.
Surrogate	BA4B-WO75-0915-1 (N) / L1676352-2	1 / 1.00	4,4'-DDE-13C12	28.0 (Percent)	J/UJ	47 - 160	10 - 170	S	Only one SS out. Qualifier Removed.
Surrogate	BA4C-WO30-0915-1 (N) / L1676352-5	1 / 1.00	4,4'-DDE-13C12	28.0 (Percent)	J/UJ	47 - 160	10 - 170	S	Only one SS out. Qualifier Removed.
Surrogate	BA4C-WO5-0915-1 (N) / L1676352-4	1 / 1.00	4,4'-DDE-13C12	30.0 (Percent)	J/UJ	47 - 160	10 - 170	S	Only one SS out. Qualifier Removed.
Surrogate	BA4C-WO55-0915-1 (N) / L1676352-6	1 / 1.00	4,4'-DDE-13C12	31.0 (Percent)	J/UJ	47 - 160	10 - 170	S	Only one SS out. Qualifier Removed.
Surrogate	BA4C-WO58-0915-1 (N) / L1676352-7	1 / 1.00	4,4'-DDE-13C12	28.0 (Percent)	J/UJ	47 - 160	10 - 170	S	Only one SS out. Qualifier Removed.
Surrogate	W3-WO100-0915-1 (N) / L1676352-9	1 / 1.00	13C10-OXYCHLORDANE	21.0 (Percent)	J/UJ	23 - 135	10 - 145	S	Only one SS out. Qualifier Removed.
Surrogate	W3-WO100-0915-1 (N) / L1676352-9	1 / 1.00	4,4'-DDE-13C12	24.0 (Percent)	J/UJ	47 - 160	10 - 170	S	Only one SS out. Qualifier Removed.
Surrogate	W3-WO198-0915-1 (N) / L1676352-10	1 / 1.00	13C10-OXYCHLORDANE	22.0 (Percent)	J/UJ	23 - 135	10 - 145	S	Only one SS out. Qualifier Removed.
Surrogate	W3-WO198-0915-1 (N) / L1676352-10	1 / 1.00	4,4'-DDE-13C12	28.0 (Percent)	J/UJ	47 - 160	10 - 170	S	Only one SS out. Qualifier Removed.
Surrogate	W3-WO5-0915-1 (N) / L1676352-8	1 / 1.00	4,4'-DDE-13C12	29.0 (Percent)	J/UJ	47 - 160	10 - 170	S	Only one SS out. Qualifier Removed.

Automated Data Review Detail Report for L1676352

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural
Recovery Component Palos Verdes Shelf, Los Angeles County, California

Rule is the multiplier used when blank contamination occurs to determine action level.

Automated Data Review Detail Report for L1676352

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1668C		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
BA4B-WO145-0915-1	L1676352-3	WO	N	2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	0.11	0.60 J	0.60 J		PG/L	TR
BA4B-WO145-0915-1	L1676352-3	WO	N	2,2',3,4,4',5,5'-HEPTACHLOROBIPHENYL	0.34	0.75 J	0.75 J		PG/L	TR
BA4B-WO145-0915-1	L1676352-3	WO	N	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	0.17	4.1 J	4.1 J		PG/L	TR
BA4B-WO145-0915-1	L1676352-3	WO	N	2,2',3,4',5,5',6-HEPTACHLOROBIPHENYL	0.34	0.71 J	0.71 J		PG/L	TR
BA4B-WO145-0915-1	L1676352-3	WO	N	2,2',3,4',5',6-HEXACHLOROBIPHENYL	0.18	2.9 J	2.9 J		PG/L	TR
BA4B-WO145-0915-1	L1676352-3	WO	N	2,2',3,4,5'-PENTACHLOROBIPHENYL/2,3',4,4',6-Pentachlorobiphenyl	0.29	2.2 J,M	2.2 J		PG/L	TR/G4
BA4B-WO145-0915-1	L1676352-3	WO	N	2,2',3,5,5',6-HEXACHLOROBIPHENYL	0.16	1.4 J	1.4 J		PG/L	TR
BA4B-WO145-0915-1	L1676352-3	WO	N	2,2',4,4',5,5'-HEXACHLOROBIPHENYL/2,3',4,4',5,6-HEXACHLOROBIPHENYL	0.13	2.9 J	2.9 J		PG/L	TR
BA4B-WO145-0915-1	L1676352-3	WO	N	2,2',4,4',5-PENTACHLOROBIPHENYL	0.36	3.7 J	3.7 J		PG/L	TR
BA4B-WO145-0915-1	L1676352-3	WO	N	2,2',4,5,5'-PENTACHLOROBIPHENYL	0.31	5.7 J	5.7 J		PG/L	TR
BA4B-WO145-0915-1	L1676352-3	WO	N	2,2',5,5'-TETRACHLOROBIPHENYL	0.33	8.9 B	8.9 J	+	PG/L	B1
BA4B-WO145-0915-1	L1676352-3	WO	N	2,2',5-TRICHLOROBIPHENYL	0.82	3.4 J	3.4 J		PG/L	TR
BA4B-WO145-0915-1	L1676352-3	WO	N	2,3,3',4,4'-PENTACHLOROBIPHENYL	0.19	1.9 J,M	1.9 J		PG/L	TR/G4
BA4B-WO145-0915-1	L1676352-3	WO	N	2,3,3',4',6-PENTACHLOROBIPHENYL	0.27	6.9 J	6.9 J		PG/L	TR
BA4B-WO145-0915-1	L1676352-3	WO	N	2,3',4,4',5-PENTACHLOROBIPHENYL	0.18	4.5 J	4.5 J		PG/L	TR
BA4B-WO145-0915-1	L1676352-3	WO	N	2,3',4,4'-TETRACHLOROBIPHENYL	0.28	5.5 J	5.5 J		PG/L	TR
BA4B-WO145-0915-1	L1676352-3	WO	N	2,4,4'-TRICHLOROBIPHENYL	1.1	6.9 J	6.9 J		PG/L	TR
BA4B-WO145-0915-1	L1676352-3	WO	N	2,4',5-TRICHLOROBIPHENYL	1.0	4.7 J	4.7 J		PG/L	TR

Automated Data Review Detail Report for L1676352

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1668C		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
BA4B-WO5-0915-1	L1676352-1	WO	N	2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	0.31	0.81 J,M	0.81 J		PG/L	TR/G4
BA4B-WO5-0915-1	L1676352-1	WO	N	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	0.24	0.87 J,M	0.87 J		PG/L	TR/G4
BA4B-WO5-0915-1	L1676352-1	WO	N	2,2',3,4',5',6'-HEXACHLOROBIPHENYL	0.25	0.91 J	0.91 J		PG/L	TR
BA4B-WO5-0915-1	L1676352-1	WO	N	2,2',3,4,5'-PENTACHLOROBIPHENYL/2,3',4,4',6-Pentachlorobiphenyl	0.27	0.79 J	0.79 J		PG/L	TR
BA4B-WO5-0915-1	L1676352-1	WO	N	2,2',3,5'-TETRACHLOROBIPHENYL	0.27	3.3 J	3.3 J		PG/L	TR
BA4B-WO5-0915-1	L1676352-1	WO	N	2,2',4,4',5,5'-HEXACHLOROBIPHENYL/2,3',4,4',5,5',6'-HEXACHLOROBIPHENYL	0.18	0.60 J	0.60 J		PG/L	TR
BA4B-WO5-0915-1	L1676352-1	WO	N	2,2',4,4',5'-PENTACHLOROBIPHENYL	0.34	0.61 J,M	0.61 J		PG/L	TR/G4
BA4B-WO5-0915-1	L1676352-1	WO	N	2,2',4,5,5'-PENTACHLOROBIPHENYL	0.29	1.2 J	1.2 J		PG/L	TR
BA4B-WO5-0915-1	L1676352-1	WO	N	2,2',5,5'-TETRACHLOROBIPHENYL	0.33	2.7 J,B	2.7 J	+	PG/L	TR/B1
BA4B-WO5-0915-1	L1676352-1	WO	N	2,2',5-TRICHLOROBIPHENYL	1.1	2.5 J	2.5 J		PG/L	TR
BA4B-WO5-0915-1	L1676352-1	WO	N	2,3,3',4',6'-PENTACHLOROBIPHENYL	0.25	1.5 J	1.5 J		PG/L	TR
BA4B-WO5-0915-1	L1676352-1	WO	N	2,3',4,4',5'-PENTACHLOROBIPHENYL	0.19	0.92 J	0.92 J		PG/L	TR
BA4B-WO5-0915-1	L1676352-1	WO	N	2,3',4,4'-TETRACHLOROBIPHENYL	0.22	0.40 J,M	0.40 J		PG/L	TR/G4
BA4B-WO5-0915-1	L1676352-1	WO	N	2,4,4'-TRICHLOROBIPHENYL	1.2	4.4 J	4.4 J		PG/L	TR
BA4B-WO5-0915-1	L1676352-1	WO	N	2,4',5-TRICHLOROBIPHENYL	1.1	3.2 J	3.2 J		PG/L	TR
BA4B-WO5-0915-1	L1676352-1	WO	N	PCB061/070/074/076	0.22	1.1 J,M	1.1 J		PG/L	TR/G4
BA4B-WO75-0915-1	L1676352-2	WO	N	2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	0.17	0.74 J	0.74 J		PG/L	TR
BA4B-WO75-0915-1	L1676352-2	WO	N	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	0.31	2.6 J,M	2.6 J		PG/L	TR/G4

Automated Data Review Detail Report for L1676352

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1668C		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
BA4B-WO75-0915-1	L1676352-2	WO	N	2,2',3,4',5',6'- HEXACHLOROBIPHENYL	0.32	2.4 J	2.4 J		PG/L	TR
BA4B-WO75-0915-1	L1676352-2	WO	N	2,2',3,4,5'- PENTACHLOROBIPHENYL/2,3', 4,4',6-Pentachlorobiphenyl	0.38	3.3 J	3.3 J		PG/L	TR
BA4B-WO75-0915-1	L1676352-2	WO	N	2,2',3,5,5',6'- HEXACHLOROBIPHENYL	0.28	0.64 J,M	0.64 J		PG/L	TR/G4
BA4B-WO75-0915-1	L1676352-2	WO	N	2,2',3,5'- TETRACHLOROBIPHENYL	0.68	7.2 J,M	7.2 J		PG/L	TR/G4
BA4B-WO75-0915-1	L1676352-2	WO	N	2,2',4,4',5,5'- HEXACHLOROBIPHENYL/2,3',4 ,4',5',6- HEXACHLOROBIPHENYL	0.24	2.6 J	2.6 J		PG/L	TR
BA4B-WO75-0915-1	L1676352-2	WO	N	2,2',4,4',5- PENTACHLOROBIPHENYL	0.48	3.2 J	3.2 J		PG/L	TR
BA4B-WO75-0915-1	L1676352-2	WO	N	2,2',4,5,5'- PENTACHLOROBIPHENYL	0.41	4.2 J,M	4.2 J		PG/L	TR/G4
BA4B-WO75-0915-1	L1676352-2	WO	N	2,2',5,5'- TETRACHLOROBIPHENYL	0.84	8.6 B	8.6 J	+	PG/L	B1
BA4B-WO75-0915-1	L1676352-2	WO	N	2,2',5-TRICHLOROBIPHENYL	1.9	2.8 J,M	2.8 J		PG/L	TR/G4
BA4B-WO75-0915-1	L1676352-2	WO	N	2,3,3',4,4'- PENTACHLOROBIPHENYL	0.33	2.1 J	2.1 J		PG/L	TR
BA4B-WO75-0915-1	L1676352-2	WO	N	2,3,3',4',6- PENTACHLOROBIPHENYL	0.35	5.7 J	5.7 J		PG/L	TR
BA4B-WO75-0915-1	L1676352-2	WO	N	2,3',4,4',5- PENTACHLOROBIPHENYL	0.31	3.8 J	3.8 J		PG/L	TR
BA4B-WO75-0915-1	L1676352-2	WO	N	2,3',4,4'- TETRACHLOROBIPHENYL	0.57	4.9 J	4.9 J		PG/L	TR
BA4B-WO75-0915-1	L1676352-2	WO	N	2,4,4'-TRICHLOROBIPHENYL	2.1	6.3 J	6.3 J		PG/L	TR
BA4B-WO75-0915-1	L1676352-2	WO	N	2,4',5-TRICHLOROBIPHENYL	2.0	4.8 J	4.8 J		PG/L	TR
BA4C-WO30-0915-1	L1676352-5	WO	N	2,2',3,3',4,4',5,5',6,6'- Decachlorobiphenyl	0.11	0.32 J,M	0.32 J		PG/L	TR/G4
BA4C-WO30-0915-1	L1676352-5	WO	N	2,2',3,4,4',5'- HEXACHLOROBIPHENYL	0.30	1.6 J	1.6 J		PG/L	TR
BA4C-WO30-0915-1	L1676352-5	WO	N	2,2',3,4',5',6- HEXACHLOROBIPHENYL	0.31	0.96 J,M	0.96 J		PG/L	TR/G4

Automated Data Review Detail Report for L1676352

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1668C		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
BA4C-WO30-0915-1	L1676352-5	WO	N	2,2',3,4,5'-PENTACHLOROBIPHENYL/2,3',4,4',6-Pentachlorobiphenyl	0.25	1.1 J,M	1.1 J		PG/L	TR/G4
BA4C-WO30-0915-1	L1676352-5	WO	N	2,2',3,5,5',6-HEXACHLOROBIPHENYL	0.19	0.45 J,M	0.45 J		PG/L	TR/G4
BA4C-WO30-0915-1	L1676352-5	WO	N	2,2',3,5'-TETRACHLOROBIPHENYL	0.32	4.7 J	4.7 J		PG/L	TR
BA4C-WO30-0915-1	L1676352-5	WO	N	2,2',4,4',5,5'-HEXACHLOROBIPHENYL/2,3',4,4',5,6-HEXACHLOROBIPHENYL	0.23	0.92 J	0.92 J		PG/L	TR
BA4C-WO30-0915-1	L1676352-5	WO	N	2,2',4,4',5-PENTACHLOROBIPHENYL	0.32	0.88 J,M	0.88 J		PG/L	TR/G4
BA4C-WO30-0915-1	L1676352-5	WO	N	2,2',4,5,5'-PENTACHLOROBIPHENYL	0.27	1.5 J	1.5 J		PG/L	TR
BA4C-WO30-0915-1	L1676352-5	WO	N	2,2',4,5'-TETRACHLOROBIPHENYL	0.28	1.1 J,M	1.1 J		PG/L	TR/G4
BA4C-WO30-0915-1	L1676352-5	WO	N	2,2',5,5'-TETRACHLOROBIPHENYL	0.39	3.5 J,B	3.5 J	+	PG/L	TR/B1
BA4C-WO30-0915-1	L1676352-5	WO	N	2,2',5-TRICHLOROBIPHENYL	1.1	3.0 J,M	3.0 J		PG/L	TR/G4
BA4C-WO30-0915-1	L1676352-5	WO	N	2,3,3',4,4'-PENTACHLOROBIPHENYL	0.19	0.73 J	0.73 J		PG/L	TR
BA4C-WO30-0915-1	L1676352-5	WO	N	2,3,3',4',6-PENTACHLOROBIPHENYL	0.23	1.7 J	1.7 J		PG/L	TR
BA4C-WO30-0915-1	L1676352-5	WO	N	2,3',4,4',5-PENTACHLOROBIPHENYL	0.18	0.82 J,M	0.82 J		PG/L	TR/G4
BA4C-WO30-0915-1	L1676352-5	WO	N	2,4,4'-TRICHLOROBIPHENYL	0.99	4.1 J	4.1 J		PG/L	TR
BA4C-WO30-0915-1	L1676352-5	WO	N	2,4',5-TRICHLOROBIPHENYL	0.91	2.9 J,M	2.9 J		PG/L	TR/G4
BA4C-WO30-0915-1	L1676352-5	WO	N	PCB061/070/074/076	0.29	2.5 J	2.5 J		PG/L	TR
BA4C-WO5-0915-1	L1676352-4	WO	N	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	0.16	1.5 J	1.5 J		PG/L	TR
BA4C-WO5-0915-1	L1676352-4	WO	N	2,2',3,4',5',6-HEXACHLOROBIPHENYL	0.16	0.83 J,M	0.83 J		PG/L	TR/G4
BA4C-WO5-0915-1	L1676352-4	WO	N	2,2',3,4,5'-PENTACHLOROBIPHENYL/2,3',4,4',6-Pentachlorobiphenyl	0.22	0.97 J,M	0.97 J		PG/L	TR/G4

Automated Data Review Detail Report for L1676352

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1668C		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
BA4C-WO5-0915-1	L1676352-4	WO	N	2,2',3,5'-TETRACHLOROBIPHENYL	0.21	3.6 J	3.6 J		PG/L	TR
BA4C-WO5-0915-1	L1676352-4	WO	N	2,2',4,4',5,5'-HEXACHLOROBIPHENYL/2,3',4',4',5',6'-HEXACHLOROBIPHENYL	0.12	0.83 J	0.83 J		PG/L	TR
BA4C-WO5-0915-1	L1676352-4	WO	N	2,2',4,4',5-PENTACHLOROBIPHENYL	0.28	0.57 J,M	0.57 J		PG/L	TR/G4
BA4C-WO5-0915-1	L1676352-4	WO	N	2,2',4,5,5'-PENTACHLOROBIPHENYL	0.24	1.4 J	1.4 J		PG/L	TR
BA4C-WO5-0915-1	L1676352-4	WO	N	2,2',5,5'-TETRACHLOROBIPHENYL	0.25	2.7 J,B	2.7 J	+	PG/L	TR/B1
BA4C-WO5-0915-1	L1676352-4	WO	N	2,2',5-TRICHLOROBIPHENYL	0.83	2.2 J	2.2 J		PG/L	TR
BA4C-WO5-0915-1	L1676352-4	WO	N	2,3,3',4,4'-PENTACHLOROBIPHENYL	0.15	0.39 J	0.39 J		PG/L	TR
BA4C-WO5-0915-1	L1676352-4	WO	N	2,3,3',4',6-PENTACHLOROBIPHENYL	0.20	1.3 J	1.3 J		PG/L	TR
BA4C-WO5-0915-1	L1676352-4	WO	N	2,3',4,4',5-PENTACHLOROBIPHENYL	0.14	1.3 J	1.3 J		PG/L	TR
BA4C-WO5-0915-1	L1676352-4	WO	N	2,3',4,4'-TETRACHLOROBIPHENYL	0.21	0.49 J,M	0.49 J		PG/L	TR/G4
BA4C-WO5-0915-1	L1676352-4	WO	N	2,4,4'-TRICHLOROBIPHENYL	0.76	2.5 J,M	2.5 J		PG/L	TR/G4
BA4C-WO5-0915-1	L1676352-4	WO	N	2,4',5-TRICHLOROBIPHENYL	0.70	2.2 J,M	2.2 J		PG/L	TR/G4
BA4C-WO5-0915-1	L1676352-4	WO	N	PCB061/070/074/076	0.22	1.5 J,M	1.5 J		PG/L	TR/G4
BA4C-WO55-0915-1	L1676352-6	WO	N	2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	0.13	0.79 J	0.79 J		PG/L	TR
BA4C-WO55-0915-1	L1676352-6	WO	N	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	0.22	2.2 J	2.2 J		PG/L	TR
BA4C-WO55-0915-1	L1676352-6	WO	N	2,2',3,4',5',6'-HEXACHLOROBIPHENYL	0.22	1.7 J	1.7 J		PG/L	TR
BA4C-WO55-0915-1	L1676352-6	WO	N	2,2',3,4,5'-PENTACHLOROBIPHENYL/2,3',4,4',6-Pentachlorobiphenyl	0.18	1.2 J,M	1.2 J		PG/L	TR/G4
BA4C-WO55-0915-1	L1676352-6	WO	N	2,2',3,5,5',6'-HEXACHLOROBIPHENYL	0.13	0.63 J	0.63 J		PG/L	TR

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EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1668C		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
BA4C-WO55-0915-1	L1676352-6	WO	N	2,2',3,5'- TETRACHLOROBIPHENYL	0.35	5.4 J	5.4 J		PG/L	TR
BA4C-WO55-0915-1	L1676352-6	WO	N	2,2',4,4',5,5'- HEXACHLOROBIPHENYL/2,3',4 ,4',5',6- HEXACHLOROBIPHENYL	0.17	1.5 J	1.5 J		PG/L	TR
BA4C-WO55-0915-1	L1676352-6	WO	N	2,2',4,4',5- PENTACHLOROBIPHENYL	0.23	1.7 J	1.7 J		PG/L	TR
BA4C-WO55-0915-1	L1676352-6	WO	N	2,2',4,5,5'- PENTACHLOROBIPHENYL	0.20	2.7 J	2.7 J		PG/L	TR
BA4C-WO55-0915-1	L1676352-6	WO	N	2,2',5,5'- TETRACHLOROBIPHENYL	0.43	5.0 J,B	5.0 J	+	PG/L	TR/B1
BA4C-WO55-0915-1	L1676352-6	WO	N	2,2',5-TRICHLOROBIPHENYL	0.95	3.1 J	3.1 J		PG/L	TR
BA4C-WO55-0915-1	L1676352-6	WO	N	2,3,3',4,4'- PENTACHLOROBIPHENYL	0.22	0.92 J,M	0.92 J		PG/L	TR/G4
BA4C-WO55-0915-1	L1676352-6	WO	N	2,3,3',4',6- PENTACHLOROBIPHENYL	0.17	2.8 J,M	2.8 J		PG/L	TR/G4
BA4C-WO55-0915-1	L1676352-6	WO	N	2,3',4,4',5- PENTACHLOROBIPHENYL	0.20	2.0 J	2.0 J		PG/L	TR
BA4C-WO55-0915-1	L1676352-6	WO	N	2,3',4,4'- TETRACHLOROBIPHENYL	0.28	2.0 J,M	2.0 J		PG/L	TR/G4
BA4C-WO55-0915-1	L1676352-6	WO	N	2,4,4'-TRICHLOROBIPHENYL	0.94	4.8 J,M	4.8 J		PG/L	TR/G4
BA4C-WO55-0915-1	L1676352-6	WO	N	2,4',5-TRICHLOROBIPHENYL	0.86	2.8 J,M	2.8 J		PG/L	TR/G4
BA4C-WO55-0915-1	L1676352-6	WO	N	2,4'-DICHLOROBIPHENYL	1.4	3.9 J	3.9 J		PG/L	TR
BA4C-WO55-0915-1	L1676352-6	WO	N	PCB061/070/074/076	0.28	4.2 J	4.2 J		PG/L	TR
BA4C-WO58-0915-1	L1676352-7	WO	N	2,2',3,3',4,4'- HEXACHLOROBIPHENYL	0.23	1.0 J	1.0 J		PG/L	TR
BA4C-WO58-0915-1	L1676352-7	WO	N	2,2',3,3',4,5',6'- HEPTACHLOROBIPHENYL	0.43	0.55 J	0.55 J		PG/L	TR
BA4C-WO58-0915-1	L1676352-7	WO	N	2,2',3,4,4',5,5'- HEPTACHLOROBIPHENYL	0.33	1.7 J	1.7 J		PG/L	TR
BA4C-WO58-0915-1	L1676352-7	WO	N	2,2',3,4,4',5',6- HEPTACHLOROBIPHENYL	0.39	0.76 J	0.76 J		PG/L	TR
BA4C-WO58-0915-1	L1676352-7	WO	N	2,2',3,4',5,5',6- HEPTACHLOROBIPHENYL	0.33	1.3 J	1.3 J		PG/L	TR

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EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1668C		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
BA4C-WO58-0915-1	L1676352-7	WO	N	2,2',3,4',5',6'- HEXACHLOROBIPHENYL	0.27	5.3 J	5.3 J		PG/L	TR
BA4C-WO58-0915-1	L1676352-7	WO	N	2,2',3,4,5'- PENTACHLOROBIPHENYL/2,3', 4,4',6-Pentachlorobiphenyl	0.22	5.5 J,M	5.5 J		PG/L	TR/G4
BA4C-WO58-0915-1	L1676352-7	WO	N	2,2',3,5,5',6'- HEXACHLOROBIPHENYL	0.12	2.6 J	2.6 J		PG/L	TR
BA4C-WO58-0915-1	L1676352-7	WO	N	2,2',4,4',5,5'- HEXACHLOROBIPHENYL/2,3',4 ,4',5',6- HEXACHLOROBIPHENYL	0.21	6.1 J	6.1 J		PG/L	TR
BA4C-WO58-0915-1	L1676352-7	WO	N	2,2',5,5'- TETRACHLOROBIPHENYL	0.24	16.4 B	16.4 J	+	PG/L	B1
BA4C-WO58-0915-1	L1676352-7	WO	N	2,2',5-TRICHLOROBIPHENYL	0.82	4.3 J	4.3 J		PG/L	TR
BA4C-WO58-0915-1	L1676352-7	WO	N	2,3,3',4,4'- PENTACHLOROBIPHENYL	0.17	3.7 J	3.7 J		PG/L	TR
BA4C-WO58-0915-1	L1676352-7	WO	N	2,4',5-TRICHLOROBIPHENYL	0.97	6.2 J	6.2 J		PG/L	TR
BA4C-WO58-0915-1	L1676352-7	WO	N	3,4,4'-TRICHLOROBIPHENYL	1.4	1.5 J	1.5 J		PG/L	TR
W3-WO100-0915-1	L1676352-9	WO	N	2,2',3,3',4,4',5,5',6,6'- Decachlorobiphenyl	0.14	0.38 J	0.38 J		PG/L	TR
W3-WO100-0915-1	L1676352-9	WO	N	2,2',3,4,4',5'- HEXACHLOROBIPHENYL	0.22	1.9 J	1.9 J		PG/L	TR
W3-WO100-0915-1	L1676352-9	WO	N	2,2',3,4',5',6'- HEXACHLOROBIPHENYL	0.22	1.1 J,M	1.1 J		PG/L	TR/G4
W3-WO100-0915-1	L1676352-9	WO	N	2,2',3,4,5'- PENTACHLOROBIPHENYL/2,3', 4,4',6-Pentachlorobiphenyl	0.31	1.5 J	1.5 J		PG/L	TR
W3-WO100-0915-1	L1676352-9	WO	N	2,2',3,5,5',6'- HEXACHLOROBIPHENYL	0.17	0.54 J,M	0.54 J		PG/L	TR/G4
W3-WO100-0915-1	L1676352-9	WO	N	2,2',3,5'- TETRACHLOROBIPHENYL	0.29	4.6 J	4.6 J		PG/L	TR
W3-WO100-0915-1	L1676352-9	WO	N	2,2',4,4',5,5'- HEXACHLOROBIPHENYL/2,3',4 ,4',5',6- HEXACHLOROBIPHENYL	0.17	1.2 J,M	1.2 J		PG/L	TR/G4
W3-WO100-0915-1	L1676352-9	WO	N	2,2',4,4',5'- PENTACHLOROBIPHENYL	0.39	1.1 J	1.1 J		PG/L	TR

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Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1668C		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
W3-WO100-0915-1	L1676352-9	WO	N	2,2',4,5,5'-PENTACHLOROBIPHENYL	0.33	2.1 J	2.1 J		PG/L	TR
W3-WO100-0915-1	L1676352-9	WO	N	2,2',5,5'-TETRACHLOROBIPHENYL	0.35	3.6 J,B	3.6 J	+	PG/L	TR/B1
W3-WO100-0915-1	L1676352-9	WO	N	2,2',5-TRICHLOROBIPHENYL	1.3	2.5 J,M	2.5 J		PG/L	TR/G4
W3-WO100-0915-1	L1676352-9	WO	N	2,3,3',4,4'-PENTACHLOROBIPHENYL	0.22	0.97 J	0.97 J		PG/L	TR
W3-WO100-0915-1	L1676352-9	WO	N	2,3,3',4',6-PENTACHLOROBIPHENYL	0.28	2.9 J	2.9 J		PG/L	TR
W3-WO100-0915-1	L1676352-9	WO	N	2,3,4,4',5-PENTACHLOROBIPHENYL	0.22	1.8 J	1.8 J		PG/L	TR
W3-WO100-0915-1	L1676352-9	WO	N	2,3',4,4'-TETRACHLOROBIPHENYL	0.39	1.1 J,M	1.1 J		PG/L	TR/G4
W3-WO100-0915-1	L1676352-9	WO	N	2,4,4'-TRICHLOROBIPHENYL	1.4	4.0 J	4.0 J		PG/L	TR
W3-WO100-0915-1	L1676352-9	WO	N	2,4',5-TRICHLOROBIPHENYL	1.3	2.4 J,M	2.4 J		PG/L	TR/G4
W3-WO100-0915-1	L1676352-9	WO	N	PCB061/070/074/076	0.40	2.6 J	2.6 J		PG/L	TR
W3-WO198-0915-1	L1676352-10	WO	N	2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	0.46	1.6 J	1.6 J		PG/L	TR
W3-WO198-0915-1	L1676352-10	WO	N	2,2',3,3',4,4',5,5'-OCTACHLOROBIPHENYL	0.21	0.51 J,M	0.51 J		PG/L	TR/G4
W3-WO198-0915-1	L1676352-10	WO	N	2,2',3,3',4,4',5-HEPTACHLOROBIPHENYL	0.90	1.8 J	1.8 J		PG/L	TR
W3-WO198-0915-1	L1676352-10	WO	N	2,2',3,3',4,4'-HEXACHLOROBIPHENYL	0.33	1.7 J	1.7 J		PG/L	TR
W3-WO198-0915-1	L1676352-10	WO	N	2,2',3,4,4',5,5',6-OCTACHLOROBIPHENYL	0.20	0.63 J,M	0.63 J		PG/L	TR/G4
W3-WO198-0915-1	L1676352-10	WO	N	2,2',3,4,4',5,5'-HEPTACHLOROBIPHENYL	0.70	3.8 J	3.8 J		PG/L	TR
W3-WO198-0915-1	L1676352-10	WO	N	2,2',3,4',5,5',6-HEPTACHLOROBIPHENYL	0.79	2.2 J,M	2.2 J		PG/L	TR/G4
W3-WO198-0915-1	L1676352-10	WO	N	2,2',3,4',5',6-HEXACHLOROBIPHENYL	0.34	5.4 J	5.4 J		PG/L	TR
W3-WO198-0915-1	L1676352-10	WO	N	2,2',3,4,5'-PENTACHLOROBIPHENYL/2,3',4,4',6-Pentachlorobiphenyl	0.22	4.2 J,M	4.2 J		PG/L	TR/G4

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EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1668C		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
W3-WO198-0915-1	L1676352-10	WO	N	2,2',3,5,5',6'- HEXACHLOROBIPHENYL	0.19	2.7 J	2.7 J		PG/L	TR
W3-WO198-0915-1	L1676352-10	WO	N	2,2',4,4',5,5'- HEXACHLOROBIPHENYL/2,3',4 ,4',5',6'- HEXACHLOROBIPHENYL	0.27	6.5 J	6.5 J		PG/L	TR
W3-WO198-0915-1	L1676352-10	WO	N	2,2',4,4',5'- PENTACHLOROBIPHENYL	0.28	5.9 J	5.9 J		PG/L	TR
W3-WO198-0915-1	L1676352-10	WO	N	2,2',4,5'- TETRACHLOROBIPHENYL	0.34	5.3 J	5.3 J		PG/L	TR
W3-WO198-0915-1	L1676352-10	WO	N	2,2',5,5'- TETRACHLOROBIPHENYL	0.49	11.3 B	11.3 J	+	PG/L	B1
W3-WO198-0915-1	L1676352-10	WO	N	2,2',5-TRICHLOROBIPHENYL	1.3	4.2 J	4.2 J		PG/L	TR
W3-WO198-0915-1	L1676352-10	WO	N	2,3,3',4,4',5'- Hexachlorobiphenyl/2,3,3',4,4',5'- Hexachlorobiphenyl	0.25	1.1 J	1.1 J		PG/L	TR
W3-WO198-0915-1	L1676352-10	WO	N	2,3,3',4,4',6'- HEXACHLOROBIPHENYL	0.24	0.67 J	0.67 J		PG/L	TR
W3-WO198-0915-1	L1676352-10	WO	N	2,3,3',4,4'- PENTACHLOROBIPHENYL	0.30	4.9 J	4.9 J		PG/L	TR
W3-WO198-0915-1	L1676352-10	WO	N	2,4',5-TRICHLOROBIPHENYL	1.7	5.4 J,M	5.4 J		PG/L	TR/G4
W3-WO5-0915-1	L1676352-8	WO	N	2,2',3,3',4,4',5,5',6,6'- Decachlorobiphenyl	0.10	0.80 J	0.80 J		PG/L	TR
W3-WO5-0915-1	L1676352-8	WO	N	2,2',3,4,4',5'- HEXACHLOROBIPHENYL	0.16	0.80 J,M	0.80 J		PG/L	TR/G4
W3-WO5-0915-1	L1676352-8	WO	N	2,2',3,4',5',6'- HEXACHLOROBIPHENYL	0.16	0.58 J,M	0.58 J		PG/L	TR/G4
W3-WO5-0915-1	L1676352-8	WO	N	2,2',3,4,5'- PENTACHLOROBIPHENYL/2,3', 4,4',6-Pentachlorobiphenyl	0.13	0.77 J,M	0.77 J		PG/L	TR/G4
W3-WO5-0915-1	L1676352-8	WO	N	2,2',3,5'- TETRACHLOROBIPHENYL	0.21	3.2 J	3.2 J		PG/L	TR
W3-WO5-0915-1	L1676352-8	WO	N	2,2',4,4',5,5'- HEXACHLOROBIPHENYL/2,3',4 ,4',5',6'- HEXACHLOROBIPHENYL	0.12	0.44 J,M	0.44 J		PG/L	TR/G4
W3-WO5-0915-1	L1676352-8	WO	N	2,2',4,4',5'- PENTACHLOROBIPHENYL	0.17	0.57 J	0.57 J		PG/L	TR

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Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1668C		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
W3-WO5-0915-1	L1676352-8	WO	N	2,2',4,5,5'-PENTACHLOROBIPHENYL	0.14	1.0 J	1.0 J		PG/L	TR
W3-WO5-0915-1	L1676352-8	WO	N	2,2',4,5'-TETRACHLOROBIPHENYL	0.18	0.86 J	0.86 J		PG/L	TR
W3-WO5-0915-1	L1676352-8	WO	N	2,2',5,5'-TETRACHLOROBIPHENYL	0.26	2.4 J,B	2.4 J	+	PG/L	TR/B1
W3-WO5-0915-1	L1676352-8	WO	N	2,2',5-TRICHLOROBIPHENYL	1.0	2.4 J	2.4 J		PG/L	TR
W3-WO5-0915-1	L1676352-8	WO	N	2,3,3',4,4'-PENTACHLOROBIPHENYL	0.14	0.41 J,M	0.41 J		PG/L	TR/G4
W3-WO5-0915-1	L1676352-8	WO	N	2,3,3',4',6-PENTACHLOROBIPHENYL	0.12	1.3 J	1.3 J		PG/L	TR
W3-WO5-0915-1	L1676352-8	WO	N	2,3',4,4',5-PENTACHLOROBIPHENYL	0.14	1.0 J	1.0 J		PG/L	TR
W3-WO5-0915-1	L1676352-8	WO	N	2,3',4,4'-TETRACHLOROBIPHENYL	0.26	0.57 J	0.57 J		PG/L	TR
W3-WO5-0915-1	L1676352-8	WO	N	2,4,4'-TRICHLOROBIPHENYL	0.99	4.9 J	4.9 J		PG/L	TR
W3-WO5-0915-1	L1676352-8	WO	N	2,4',5-TRICHLOROBIPHENYL	0.91	3.4 J	3.4 J		PG/L	TR
W3-WO5-0915-1	L1676352-8	WO	N	PCB061/070/074/076	0.27	1.4 J,M	1.4 J		PG/L	TR/G4

Test Method: E1699		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
BA4B-WO145-0915-1	L1676352-3	WO	N	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0006	0.062	0.062 J		NG/L	H2/L
BA4B-WO145-0915-1	L1676352-3	WO	N	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.041	0.59	0.59 J	-	NG/L	H2
BA4B-WO145-0915-1	L1676352-3	WO	N	o,p'-DDD	0.0055	0.023 J,M	0.023 J		NG/L	H2/L/G4
BA4B-WO145-0915-1	L1676352-3	WO	N	o,p'-DDE	0.0045	0.11	0.11 J		NG/L	H2/L/C11
BA4B-WO145-0915-1	L1676352-3	WO	N	o,p'-DDT	0.041	0.041 U	0.041 UJ		NG/L	H2
BA4B-WO145-0915-1	L1676352-3	WO	N	p,p'-DDD	0.026	0.046 B	0.046 J		NG/L	H2/B1
BA4B-WO145-0915-1	L1676352-3	WO	N	p,p'-DDE	0.014	0.44	0.44 J		NG/L	H2/B1
BA4B-WO145-0915-1	L1676352-3	WO	N	p,p'-DDT	0.10	0.10 U	0.10 UJ		NG/L	H2

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Qualified Results

Test Method: E1699		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
BA4B-WO5-0915-1	L1676352-1	WO	N	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0005	0.0005 U	0.0005 UJ		NG/L	H2
BA4B-WO5-0915-1	L1676352-1	WO	N	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.019	0.019 U	0.019 UJ		NG/L	H2
BA4B-WO5-0915-1	L1676352-1	WO	N	o,p'-DDD	0.0027	0.0027 U	0.0027 UJ		NG/L	H2
BA4B-WO5-0915-1	L1676352-1	WO	N	o,p'-DDE	0.0015	0.0046 J,M	0.0046 J		NG/L	B1/H2/TR/L/G4/C11
BA4B-WO5-0915-1	L1676352-1	WO	N	o,p'-DDT	0.017	0.017 U	0.017 UJ		NG/L	H2
BA4B-WO5-0915-1	L1676352-1	WO	N	p,p'-DDD	0.011	0.011 U	0.011 UJ		NG/L	H2
BA4B-WO5-0915-1	L1676352-1	WO	N	p,p'-DDE	0.0067	0.040 B	0.040 J		NG/L	H2/B1
BA4B-WO5-0915-1	L1676352-1	WO	N	p,p'-DDT	0.037	0.037 U	0.037 UJ		NG/L	H2
BA4B-WO75-0915-1	L1676352-2	WO	N	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0012	0.042	0.042 J		NG/L	H2/L
BA4B-WO75-0915-1	L1676352-2	WO	N	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.046	0.38	0.38 J	-	NG/L	H2
BA4B-WO75-0915-1	L1676352-2	WO	N	o,p'-DDD	0.0052	0.018 J,M	0.018 J		NG/L	H2/L/TR/G4
BA4B-WO75-0915-1	L1676352-2	WO	N	o,p'-DDE	0.0059	0.12	0.12 J		NG/L	H2/L/C11
BA4B-WO75-0915-1	L1676352-2	WO	N	o,p'-DDT	0.043	0.043 U	0.043 UJ		NG/L	H2
BA4B-WO75-0915-1	L1676352-2	WO	N	p,p'-DDD	0.027	0.049 B	0.049 J		NG/L	H2/B1
BA4B-WO75-0915-1	L1676352-2	WO	N	p,p'-DDE	0.013	0.47	0.47 J		NG/L	H2/B1
BA4B-WO75-0915-1	L1676352-2	WO	N	p,p'-DDT	0.017	0.017 U	0.017 UJ		NG/L	H2
BA4C-WO30-0915-1	L1676352-5	WO	N	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0017	0.0054 J	0.0054 J		NG/L	H2/L/TR
BA4C-WO30-0915-1	L1676352-5	WO	N	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.092	0.092 U	0.092 UJ		NG/L	H2
BA4C-WO30-0915-1	L1676352-5	WO	N	o,p'-DDD	0.013	0.013 U	0.013 UJ		NG/L	H2
BA4C-WO30-0915-1	L1676352-5	WO	N	o,p'-DDE	0.015	0.015 U	0.015 UJ		NG/L	H2/C11
BA4C-WO30-0915-1	L1676352-5	WO	N	o,p'-DDT	0.12	0.12 U	0.12 UJ		NG/L	H2
BA4C-WO30-0915-1	L1676352-5	WO	N	p,p'-DDD	0.075	0.075 U	0.075 UJ		NG/L	H2
BA4C-WO30-0915-1	L1676352-5	WO	N	p,p'-DDE	0.035	0.063 B	0.063 J		NG/L	H2/B1
BA4C-WO30-0915-1	L1676352-5	WO	N	p,p'-DDT	0.25	0.25 U	0.25 UJ		NG/L	H2

Automated Data Review Detail Report for L1676352

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1699		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
BA4C-WO5-0915-1	L1676352-4	WO	N	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0009	0.0030 J	0.0030 J		NG/L	H2/L/TR
BA4C-WO5-0915-1	L1676352-4	WO	N	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.040	0.040 U	0.040 UJ		NG/L	H2
BA4C-WO5-0915-1	L1676352-4	WO	N	o,p'-DDD	0.0091	0.0091 U	0.0091 UJ		NG/L	H2
BA4C-WO5-0915-1	L1676352-4	WO	N	o,p'-DDE	0.0049	0.0049 U	0.0049 UJ		NG/L	H2/C11
BA4C-WO5-0915-1	L1676352-4	WO	N	o,p'-DDT	0.068	0.068 U	0.068 UJ		NG/L	H2
BA4C-WO5-0915-1	L1676352-4	WO	N	p,p'-DDD	0.044	0.044 U	0.044 UJ		NG/L	H2
BA4C-WO5-0915-1	L1676352-4	WO	N	p,p'-DDE	0.018	0.044 B	0.044 J		NG/L	H2/B1
BA4C-WO5-0915-1	L1676352-4	WO	N	p,p'-DDT	0.10	0.10 U	0.10 UJ		NG/L	H2
BA4C-WO55-0915-1	L1676352-6	WO	N	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0043	0.0043 U	0.0043 UJ		NG/L	H2
BA4C-WO55-0915-1	L1676352-6	WO	N	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.19	0.19 U	0.19 UJ		NG/L	H2
BA4C-WO55-0915-1	L1676352-6	WO	N	o,p'-DDD	0.046	0.046 U	0.046 UJ		NG/L	H2
BA4C-WO55-0915-1	L1676352-6	WO	N	o,p'-DDE	0.031	0.031 U	0.031 UJ		NG/L	H2/C11
BA4C-WO55-0915-1	L1676352-6	WO	N	o,p'-DDT	0.21	0.21 U	0.21 UJ		NG/L	H2
BA4C-WO55-0915-1	L1676352-6	WO	N	p,p'-DDD	0.14	0.14 U	0.14 UJ		NG/L	H2
BA4C-WO55-0915-1	L1676352-6	WO	N	p,p'-DDE	0.12	0.17 B	0.17 J		NG/L	H2/B1
BA4C-WO55-0915-1	L1676352-6	WO	N	p,p'-DDT	0.51	0.51 U	0.51 UJ		NG/L	H2
BA4C-WO58-0915-1	L1676352-7	WO	N	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0008	0.19	0.19 J		NG/L	H2/L
BA4C-WO58-0915-1	L1676352-7	WO	N	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.042	1.5	1.5 J	-	NG/L	H2
BA4C-WO58-0915-1	L1676352-7	WO	N	o,p'-DDD	0.0061	0.036 M	0.036 J		NG/L	H2/L/G4
BA4C-WO58-0915-1	L1676352-7	WO	N	o,p'-DDE	0.0051	0.32	0.32 J		NG/L	H2/L/C11
BA4C-WO58-0915-1	L1676352-7	WO	N	o,p'-DDT	0.045	0.045 U	0.045 UJ		NG/L	H2
BA4C-WO58-0915-1	L1676352-7	WO	N	p,p'-DDD	0.029	0.086 M	0.086 J		NG/L	H2/B1
BA4C-WO58-0915-1	L1676352-7	WO	N	p,p'-DDE	0.014	1.1	1.1 J		NG/L	H2/B1
BA4C-WO58-0915-1	L1676352-7	WO	N	p,p'-DDT	0.11	0.11 U	0.11 UJ		NG/L	H2
W3-WO100-0915-1	L1676352-9	WO	N	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0006	0.015 J	0.015 J		NG/L	H2/L/TR

Automated Data Review Detail Report for L1676352

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1699		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
W3-WO100-0915-1	L1676352-9	WO	N	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.033	0.13 M	0.13 J	-	NG/L	H2
W3-WO100-0915-1	L1676352-9	WO	N	o,p'-DDD	0.0064	0.0064 U	0.0064 UJ		NG/L	H2
W3-WO100-0915-1	L1676352-9	WO	N	o,p'-DDE	0.0079	0.033	0.033 J		NG/L	H2/L/C11
W3-WO100-0915-1	L1676352-9	WO	N	o,p'-DDT	0.044	0.044 U	0.044 UJ		NG/L	H2
W3-WO100-0915-1	L1676352-9	WO	N	p,p'-DDD	0.028	0.028 U	0.028 UJ		NG/L	H2
W3-WO100-0915-1	L1676352-9	WO	N	p,p'-DDE	0.017	0.13 B	0.13 J		NG/L	H2/B1
W3-WO100-0915-1	L1676352-9	WO	N	p,p'-DDT	0.13	0.13 U	0.13 UJ		NG/L	H2
W3-WO198-0915-1	L1676352-10	WO	N	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0007	0.11	0.11 J		NG/L	H2/L
W3-WO198-0915-1	L1676352-10	WO	N	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.053	0.77	0.77 J	-	NG/L	H2
W3-WO198-0915-1	L1676352-10	WO	N	o,p'-DDD	0.0082	0.036 M	0.036 J		NG/L	H2/L
W3-WO198-0915-1	L1676352-10	WO	N	o,p'-DDE	0.0075	0.21	0.21 J		NG/L	H2/L/C11
W3-WO198-0915-1	L1676352-10	WO	N	o,p'-DDT	0.076	0.076 U	0.076 UJ		NG/L	H2
W3-WO198-0915-1	L1676352-10	WO	N	p,p'-DDD	0.049	0.094 M	0.094 J		NG/L	H2/B1
W3-WO198-0915-1	L1676352-10	WO	N	p,p'-DDE	0.020	0.94	0.94 J		NG/L	H2/B1
W3-WO198-0915-1	L1676352-10	WO	N	p,p'-DDT	0.087	0.087 U	0.087 UJ		NG/L	H2
W3-WO5-0915-1	L1676352-8	WO	N	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0019	0.0019 U	0.0019 UJ		NG/L	H2
W3-WO5-0915-1	L1676352-8	WO	N	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.049	0.049 U	0.049 UJ		NG/L	H2
W3-WO5-0915-1	L1676352-8	WO	N	o,p'-DDD	0.010	0.010 U	0.010 UJ		NG/L	H2
W3-WO5-0915-1	L1676352-8	WO	N	o,p'-DDE	0.0073	0.0073 U	0.0073 UJ		NG/L	H2/C11
W3-WO5-0915-1	L1676352-8	WO	N	o,p'-DDT	0.10	0.10 U	0.10 UJ		NG/L	H2
W3-WO5-0915-1	L1676352-8	WO	N	p,p'-DDD	0.065	0.065 U	0.065 UJ		NG/L	H2
W3-WO5-0915-1	L1676352-8	WO	N	p,p'-DDE	0.031	0.031 U	0.031 UJ		NG/L	H2
W3-WO5-0915-1	L1676352-8	WO	N	p,p'-DDT	0.26	0.26 U	0.26 UJ		NG/L	H2

Automated Data Review Detail Report for L1676352

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Detected Results

Test Method: E1668C		Extraction Method: METHOD			Leach Method: NONE					
FieldSample ID	LabSample ID	Matrix	Type	Dilution	Analyte	MDL	Lab Result	Qualified Result	Units	Reason
BA4B-WO145-0915-1	L1676352-3	WO	N	1	2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	0.11	0.60 J	0.60 J	PG/L	TR
BA4B-WO145-0915-1	L1676352-3	WO	N	1	2,2',3,4,4',5,5'-HEPTACHLOROBIPHENYL	0.34	0.75 J	0.75 J	PG/L	TR
BA4B-WO145-0915-1	L1676352-3	WO	N	1	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	0.17	4.1 J	4.1 J	PG/L	TR
BA4B-WO145-0915-1	L1676352-3	WO	N	1	2,2',3,4',5,5',6-HEPTACHLOROBIPHENYL	0.34	0.71 J	0.71 J	PG/L	TR
BA4B-WO145-0915-1	L1676352-3	WO	N	1	2,2',3,4',5',6-HEXACHLOROBIPHENYL	0.18	2.9 J	2.9 J	PG/L	TR
BA4B-WO145-0915-1	L1676352-3	WO	N	1	2,2',3,4,5'-PENTACHLOROBIPHENYL/2,3',4,4',6-Pentachlorobiphenyl	0.29	2.2 J,M	2.2 J	PG/L	TR/G4
BA4B-WO145-0915-1	L1676352-3	WO	N	1	2,2',3,5,5',6-HEXACHLOROBIPHENYL	0.16	1.4 J	1.4 J	PG/L	TR
BA4B-WO145-0915-1	L1676352-3	WO	N	1	2,2',3,5'-TETRACHLOROBIPHENYL	0.27	8.1	8.1	PG/L	
BA4B-WO145-0915-1	L1676352-3	WO	N	1	2,2',4,4',5,5'-HEXACHLOROBIPHENYL/2,3',4,4',5',6-HEXACHLOROBIPHENYL	0.13	2.9 J	2.9 J	PG/L	TR
BA4B-WO145-0915-1	L1676352-3	WO	N	1	2,2',4,4',5-PENTACHLOROBIPHENYL	0.36	3.7 J	3.7 J	PG/L	TR
BA4B-WO145-0915-1	L1676352-3	WO	N	1	2,2',4,5,5'-PENTACHLOROBIPHENYL	0.31	5.7 J	5.7 J	PG/L	TR
BA4B-WO145-0915-1	L1676352-3	WO	N	1	2,2',5,5'-TETRACHLOROBIPHENYL	0.33	8.9 B	8.9 J	PG/L	B1
BA4B-WO145-0915-1	L1676352-3	WO	N	1	2,2',5-TRICHLOROBIPHENYL	0.82	3.4 J	3.4 J	PG/L	TR
BA4B-WO145-0915-1	L1676352-3	WO	N	1	2,3,3',4,4'-PENTACHLOROBIPHENYL	0.19	1.9 J,M	1.9 J	PG/L	TR/G4
BA4B-WO145-0915-1	L1676352-3	WO	N	1	2,3,3',4',6-PENTACHLOROBIPHENYL	0.27	6.9 J	6.9 J	PG/L	TR
BA4B-WO145-0915-1	L1676352-3	WO	N	1	2,3',4,4',5-PENTACHLOROBIPHENYL	0.18	4.5 J	4.5 J	PG/L	TR
BA4B-WO145-0915-1	L1676352-3	WO	N	1	2,3',4,4'-TETRACHLOROBIPHENYL	0.28	5.5 J	5.5 J	PG/L	TR
BA4B-WO145-0915-1	L1676352-3	WO	N	1	2,4,4'-TRICHLOROBIPHENYL	1.1	6.9 J	6.9 J	PG/L	TR
BA4B-WO145-0915-1	L1676352-3	WO	N	1	2,4',5-TRICHLOROBIPHENYL	1.0	4.7 J	4.7 J	PG/L	TR
BA4B-WO145-0915-1	L1676352-3	WO	N	1	PCB061/070/074/076	0.29	8.9	8.9	PG/L	
BA4B-WO5-0915-1	L1676352-1	WO	N	1	2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	0.31	0.81 J,M	0.81 J	PG/L	TR/G4
BA4B-WO5-0915-1	L1676352-1	WO	N	1	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	0.24	0.87 J,M	0.87 J	PG/L	TR/G4
BA4B-WO5-0915-1	L1676352-1	WO	N	1	2,2',3,4',5',6-HEXACHLOROBIPHENYL	0.25	0.91 J	0.91 J	PG/L	TR

Automated Data Review Detail Report for L1676352

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Detected Results

Test Method: E1668C		Extraction Method: METHOD			Leach Method: NONE					
FieldSample ID	LabSample ID	Matrix	Type	Dilution	Analyte	MDL	Lab Result	Qualified Result	Units	Reason
BA4B-WO5-0915-1	L1676352-1	WO	N	1	2,2',3,4,5'-PENTACHLOROBIPHENYL/2,3',4,4',6-Pentachlorobiphenyl	0.27	0.79 J	0.79 J	PG/L	TR
BA4B-WO5-0915-1	L1676352-1	WO	N	1	2,2',3,5'-TETRACHLOROBIPHENYL	0.27	3.3 J	3.3 J	PG/L	TR
BA4B-WO5-0915-1	L1676352-1	WO	N	1	2,2',4,4',5,5'-HEXACHLOROBIPHENYL/2,3',4,4',5',6-HEXACHLOROBIPHENYL	0.18	0.60 J	0.60 J	PG/L	TR
BA4B-WO5-0915-1	L1676352-1	WO	N	1	2,2',4,4',5-PENTACHLOROBIPHENYL	0.34	0.61 J,M	0.61 J	PG/L	TR/G4
BA4B-WO5-0915-1	L1676352-1	WO	N	1	2,2',4,5,5'-PENTACHLOROBIPHENYL	0.29	1.2 J	1.2 J	PG/L	TR
BA4B-WO5-0915-1	L1676352-1	WO	N	1	2,2',5,5'-TETRACHLOROBIPHENYL	0.33	2.7 J,B	2.7 J	PG/L	TR/B1
BA4B-WO5-0915-1	L1676352-1	WO	N	1	2,2',5-TRICHLOROBIPHENYL	1.1	2.5 J	2.5 J	PG/L	TR
BA4B-WO5-0915-1	L1676352-1	WO	N	1	2,3,3',4',6-PENTACHLOROBIPHENYL	0.25	1.5 J	1.5 J	PG/L	TR
BA4B-WO5-0915-1	L1676352-1	WO	N	1	2,3',4,4',5-PENTACHLOROBIPHENYL	0.19	0.92 J	0.92 J	PG/L	TR
BA4B-WO5-0915-1	L1676352-1	WO	N	1	2,3',4,4'-TETRACHLOROBIPHENYL	0.22	0.40 J,M	0.40 J	PG/L	TR/G4
BA4B-WO5-0915-1	L1676352-1	WO	N	1	2,4,4'-TRICHLOROBIPHENYL	1.2	4.4 J	4.4 J	PG/L	TR
BA4B-WO5-0915-1	L1676352-1	WO	N	1	2,4',5-TRICHLOROBIPHENYL	1.1	3.2 J	3.2 J	PG/L	TR
BA4B-WO5-0915-1	L1676352-1	WO	N	1	PCB061/070/074/076	0.22	1.1 J,M	1.1 J	PG/L	TR/G4
BA4B-WO75-0915-1	L1676352-2	WO	N	1	2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	0.17	0.74 J	0.74 J	PG/L	TR
BA4B-WO75-0915-1	L1676352-2	WO	N	1	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	0.31	2.6 J,M	2.6 J	PG/L	TR/G4
BA4B-WO75-0915-1	L1676352-2	WO	N	1	2,2',3,4',5',6-HEXACHLOROBIPHENYL	0.32	2.4 J	2.4 J	PG/L	TR
BA4B-WO75-0915-1	L1676352-2	WO	N	1	2,2',3,4,5'-PENTACHLOROBIPHENYL/2,3',4,4',6-Pentachlorobiphenyl	0.38	3.3 J	3.3 J	PG/L	TR
BA4B-WO75-0915-1	L1676352-2	WO	N	1	2,2',3,5,5',6-HEXACHLOROBIPHENYL	0.28	0.64 J,M	0.64 J	PG/L	TR/G4
BA4B-WO75-0915-1	L1676352-2	WO	N	1	2,2',3,5'-TETRACHLOROBIPHENYL	0.68	7.2 J,M	7.2 J	PG/L	TR/G4
BA4B-WO75-0915-1	L1676352-2	WO	N	1	2,2',4,4',5,5'-HEXACHLOROBIPHENYL/2,3',4,4',5',6-HEXACHLOROBIPHENYL	0.24	2.6 J	2.6 J	PG/L	TR
BA4B-WO75-0915-1	L1676352-2	WO	N	1	2,2',4,4',5-PENTACHLOROBIPHENYL	0.48	3.2 J	3.2 J	PG/L	TR
BA4B-WO75-0915-1	L1676352-2	WO	N	1	2,2',4,5,5'-PENTACHLOROBIPHENYL	0.41	4.2 J,M	4.2 J	PG/L	TR/G4
BA4B-WO75-0915-1	L1676352-2	WO	N	1	2,2',5,5'-TETRACHLOROBIPHENYL	0.84	8.6 B	8.6 J	PG/L	B1
BA4B-WO75-0915-1	L1676352-2	WO	N	1	2,2',5-TRICHLOROBIPHENYL	1.9	2.8 J,M	2.8 J	PG/L	TR/G4

Automated Data Review Detail Report for L1676352

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Detected Results

Test Method: E1668C		Extraction Method: METHOD			Leach Method: NONE					
FieldSample ID	LabSample ID	Matrix	Type	Dilution	Analyte	MDL	Lab Result	Qualified Result	Units	Reason
BA4B-WO75-0915-1	L1676352-2	WO	N	1	2,3,3',4,4'-PENTACHLOROBIPHENYL	0.33	2.1 J	2.1 J	PG/L	TR
BA4B-WO75-0915-1	L1676352-2	WO	N	1	2,3,3',4',6-PENTACHLOROBIPHENYL	0.35	5.7 J	5.7 J	PG/L	TR
BA4B-WO75-0915-1	L1676352-2	WO	N	1	2,3',4,4',5-PENTACHLOROBIPHENYL	0.31	3.8 J	3.8 J	PG/L	TR
BA4B-WO75-0915-1	L1676352-2	WO	N	1	2,3',4,4'-TETRACHLOROBIPHENYL	0.57	4.9 J	4.9 J	PG/L	TR
BA4B-WO75-0915-1	L1676352-2	WO	N	1	2,4,4'-TRICHLOROBIPHENYL	2.1	6.3 J	6.3 J	PG/L	TR
BA4B-WO75-0915-1	L1676352-2	WO	N	1	2,4',5-TRICHLOROBIPHENYL	2.0	4.8 J	4.8 J	PG/L	TR
BA4B-WO75-0915-1	L1676352-2	WO	N	1	PCB061/070/074/076	0.58	7.9 M	7.9	PG/L	
BA4C-WO30-0915-1	L1676352-5	WO	N	1	2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	0.11	0.32 J,M	0.32 J	PG/L	TR/G4
BA4C-WO30-0915-1	L1676352-5	WO	N	1	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	0.30	1.6 J	1.6 J	PG/L	TR
BA4C-WO30-0915-1	L1676352-5	WO	N	1	2,2',3,4',5',6-HEXACHLOROBIPHENYL	0.31	0.96 J,M	0.96 J	PG/L	TR/G4
BA4C-WO30-0915-1	L1676352-5	WO	N	1	2,2',3,4,5'-PENTACHLOROBIPHENYL/2,3',4,4',6-Pentachlorobiphenyl	0.25	1.1 J,M	1.1 J	PG/L	TR/G4
BA4C-WO30-0915-1	L1676352-5	WO	N	1	2,2',3,5,5',6-HEXACHLOROBIPHENYL	0.19	0.45 J,M	0.45 J	PG/L	TR/G4
BA4C-WO30-0915-1	L1676352-5	WO	N	1	2,2',3,5'-TETRACHLOROBIPHENYL	0.32	4.7 J	4.7 J	PG/L	TR
BA4C-WO30-0915-1	L1676352-5	WO	N	1	2,2',4,4',5,5'-HEXACHLOROBIPHENYL/2,3',4,4',5',6-HEXACHLOROBIPHENYL	0.23	0.92 J	0.92 J	PG/L	TR
BA4C-WO30-0915-1	L1676352-5	WO	N	1	2,2',4,4',5-PENTACHLOROBIPHENYL	0.32	0.88 J,M	0.88 J	PG/L	TR/G4
BA4C-WO30-0915-1	L1676352-5	WO	N	1	2,2',4,5,5'-PENTACHLOROBIPHENYL	0.27	1.5 J	1.5 J	PG/L	TR
BA4C-WO30-0915-1	L1676352-5	WO	N	1	2,2',4,5'-TETRACHLOROBIPHENYL	0.28	1.1 J,M	1.1 J	PG/L	TR/G4
BA4C-WO30-0915-1	L1676352-5	WO	N	1	2,2',5,5'-TETRACHLOROBIPHENYL	0.39	3.5 J,B	3.5 J	PG/L	TR/B1
BA4C-WO30-0915-1	L1676352-5	WO	N	1	2,2',5-TRICHLOROBIPHENYL	1.1	3.0 J,M	3.0 J	PG/L	TR/G4
BA4C-WO30-0915-1	L1676352-5	WO	N	1	2,3,3',4,4'-PENTACHLOROBIPHENYL	0.19	0.73 J	0.73 J	PG/L	TR
BA4C-WO30-0915-1	L1676352-5	WO	N	1	2,3,3',4',6-PENTACHLOROBIPHENYL	0.23	1.7 J	1.7 J	PG/L	TR
BA4C-WO30-0915-1	L1676352-5	WO	N	1	2,3',4,4',5-PENTACHLOROBIPHENYL	0.18	0.82 J,M	0.82 J	PG/L	TR/G4
BA4C-WO30-0915-1	L1676352-5	WO	N	1	2,4,4'-TRICHLOROBIPHENYL	0.99	4.1 J	4.1 J	PG/L	TR
BA4C-WO30-0915-1	L1676352-5	WO	N	1	2,4',5-TRICHLOROBIPHENYL	0.91	2.9 J,M	2.9 J	PG/L	TR/G4
BA4C-WO30-0915-1	L1676352-5	WO	N	1	PCB061/070/074/076	0.29	2.5 J	2.5 J	PG/L	TR
BA4C-WO5-0915-1	L1676352-4	WO	N	1	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	0.16	1.5 J	1.5 J	PG/L	TR

Automated Data Review Detail Report for L1676352

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Detected Results

Test Method: E1668C		Extraction Method: METHOD			Leach Method: NONE					
FieldSample ID	LabSample ID	Matrix	Type	Dilution	Analyte	MDL	Lab Result	Qualified Result	Units	Reason
BA4C-WO5-0915-1	L1676352-4	WO	N	1	2,2',3,4',5',6-HEXACHLOROBIPHENYL	0.16	0.83 J,M	0.83 J	PG/L	TR/G4
BA4C-WO5-0915-1	L1676352-4	WO	N	1	2,2',3,4,5'-PENTACHLOROBIPHENYL/2,3',4,4',6-Pentachlorobiphenyl	0.22	0.97 J,M	0.97 J	PG/L	TR/G4
BA4C-WO5-0915-1	L1676352-4	WO	N	1	2,2',3,5'-TETRACHLOROBIPHENYL	0.21	3.6 J	3.6 J	PG/L	TR
BA4C-WO5-0915-1	L1676352-4	WO	N	1	2,2',4,4',5,5'-HEXACHLOROBIPHENYL/2,3',4,4',5',6-HEXACHLOROBIPHENYL	0.12	0.83 J	0.83 J	PG/L	TR
BA4C-WO5-0915-1	L1676352-4	WO	N	1	2,2',4,4',5-PENTACHLOROBIPHENYL	0.28	0.57 J,M	0.57 J	PG/L	TR/G4
BA4C-WO5-0915-1	L1676352-4	WO	N	1	2,2',4,5,5'-PENTACHLOROBIPHENYL	0.24	1.4 J	1.4 J	PG/L	TR
BA4C-WO5-0915-1	L1676352-4	WO	N	1	2,2',5,5'-TETRACHLOROBIPHENYL	0.25	2.7 J,B	2.7 J	PG/L	TR/B1
BA4C-WO5-0915-1	L1676352-4	WO	N	1	2,2',5-TRICHLOROBIPHENYL	0.83	2.2 J	2.2 J	PG/L	TR
BA4C-WO5-0915-1	L1676352-4	WO	N	1	2,3,3',4,4'-PENTACHLOROBIPHENYL	0.15	0.39 J	0.39 J	PG/L	TR
BA4C-WO5-0915-1	L1676352-4	WO	N	1	2,3,3',4',6-PENTACHLOROBIPHENYL	0.20	1.3 J	1.3 J	PG/L	TR
BA4C-WO5-0915-1	L1676352-4	WO	N	1	2,3',4,4',5-PENTACHLOROBIPHENYL	0.14	1.3 J	1.3 J	PG/L	TR
BA4C-WO5-0915-1	L1676352-4	WO	N	1	2,3',4,4'-TETRACHLOROBIPHENYL	0.21	0.49 J,M	0.49 J	PG/L	TR/G4
BA4C-WO5-0915-1	L1676352-4	WO	N	1	2,4,4'-TRICHLOROBIPHENYL	0.76	2.5 J,M	2.5 J	PG/L	TR/G4
BA4C-WO5-0915-1	L1676352-4	WO	N	1	2,4',5-TRICHLOROBIPHENYL	0.70	2.2 J,M	2.2 J	PG/L	TR/G4
BA4C-WO5-0915-1	L1676352-4	WO	N	1	PCB061/070/074/076	0.22	1.5 J,M	1.5 J	PG/L	TR/G4
BA4C-WO55-0915-1	L1676352-6	WO	N	1	2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	0.13	0.79 J	0.79 J	PG/L	TR
BA4C-WO55-0915-1	L1676352-6	WO	N	1	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	0.22	2.2 J	2.2 J	PG/L	TR
BA4C-WO55-0915-1	L1676352-6	WO	N	1	2,2',3,4',5',6-HEXACHLOROBIPHENYL	0.22	1.7 J	1.7 J	PG/L	TR
BA4C-WO55-0915-1	L1676352-6	WO	N	1	2,2',3,4,5'-PENTACHLOROBIPHENYL/2,3',4,4',6-Pentachlorobiphenyl	0.18	1.2 J,M	1.2 J	PG/L	TR/G4
BA4C-WO55-0915-1	L1676352-6	WO	N	1	2,2',3,5,5',6-HEXACHLOROBIPHENYL	0.13	0.63 J	0.63 J	PG/L	TR
BA4C-WO55-0915-1	L1676352-6	WO	N	1	2,2',3,5'-TETRACHLOROBIPHENYL	0.35	5.4 J	5.4 J	PG/L	TR
BA4C-WO55-0915-1	L1676352-6	WO	N	1	2,2',4,4',5,5'-HEXACHLOROBIPHENYL/2,3',4,4',5',6-HEXACHLOROBIPHENYL	0.17	1.5 J	1.5 J	PG/L	TR
BA4C-WO55-0915-1	L1676352-6	WO	N	1	2,2',4,4',5-PENTACHLOROBIPHENYL	0.23	1.7 J	1.7 J	PG/L	TR
BA4C-WO55-0915-1	L1676352-6	WO	N	1	2,2',4,5,5'-PENTACHLOROBIPHENYL	0.20	2.7 J	2.7 J	PG/L	TR

Automated Data Review Detail Report for L1676352

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Detected Results

Test Method: E1668C		Extraction Method: METHOD			Leach Method: NONE					
FieldSample ID	LabSample ID	Matrix	Type	Dilution	Analyte	MDL	Lab Result	Qualified Result	Units	Reason
BA4C-WO55-0915-1	L1676352-6	WO	N	1	2,2',5,5'-TETRACHLOROBIPHENYL	0.43	5.0 J,B	5.0 J	PG/L	TR/B1
BA4C-WO55-0915-1	L1676352-6	WO	N	1	2,2',5-TRICHLOROBIPHENYL	0.95	3.1 J	3.1 J	PG/L	TR
BA4C-WO55-0915-1	L1676352-6	WO	N	1	2,3,3',4,4'-PENTACHLOROBIPHENYL	0.22	0.92 J,M	0.92 J	PG/L	TR/G4
BA4C-WO55-0915-1	L1676352-6	WO	N	1	2,3,3',4',6-PENTACHLOROBIPHENYL	0.17	2.8 J,M	2.8 J	PG/L	TR/G4
BA4C-WO55-0915-1	L1676352-6	WO	N	1	2,3',4,4',5-PENTACHLOROBIPHENYL	0.20	2.0 J	2.0 J	PG/L	TR
BA4C-WO55-0915-1	L1676352-6	WO	N	1	2,3',4,4'-TETRACHLOROBIPHENYL	0.28	2.0 J,M	2.0 J	PG/L	TR/G4
BA4C-WO55-0915-1	L1676352-6	WO	N	1	2,4,4'-TRICHLOROBIPHENYL	0.94	4.8 J,M	4.8 J	PG/L	TR/G4
BA4C-WO55-0915-1	L1676352-6	WO	N	1	2,4',5-TRICHLOROBIPHENYL	0.86	2.8 J,M	2.8 J	PG/L	TR/G4
BA4C-WO55-0915-1	L1676352-6	WO	N	1	2,4'-DICHLOROBIPHENYL	1.4	3.9 J	3.9 J	PG/L	TR
BA4C-WO55-0915-1	L1676352-6	WO	N	1	PCB061/070/074/076	0.28	4.2 J	4.2 J	PG/L	TR
BA4C-WO58-0915-1	L1676352-7	WO	N	1	2,2',3,3',4,4'-HEXACHLOROBIPHENYL	0.23	1.0 J	1.0 J	PG/L	TR
BA4C-WO58-0915-1	L1676352-7	WO	N	1	2,2',3,3',4,5',6'-HEPTACHLOROBIPHENYL	0.43	0.55 J	0.55 J	PG/L	TR
BA4C-WO58-0915-1	L1676352-7	WO	N	1	2,2',3,4,4',5,5'-HEPTACHLOROBIPHENYL	0.33	1.7 J	1.7 J	PG/L	TR
BA4C-WO58-0915-1	L1676352-7	WO	N	1	2,2',3,4,4',5',6'-HEPTACHLOROBIPHENYL	0.39	0.76 J	0.76 J	PG/L	TR
BA4C-WO58-0915-1	L1676352-7	WO	N	1	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	0.27	8.2	8.2	PG/L	
BA4C-WO58-0915-1	L1676352-7	WO	N	1	2,2',3,4',5,5',6'-HEPTACHLOROBIPHENYL	0.33	1.3 J	1.3 J	PG/L	TR
BA4C-WO58-0915-1	L1676352-7	WO	N	1	2,2',3,4',5',6'-HEXACHLOROBIPHENYL	0.27	5.3 J	5.3 J	PG/L	TR
BA4C-WO58-0915-1	L1676352-7	WO	N	1	2,2',3,4,5'-PENTACHLOROBIPHENYL/2,3',4,4',6-Pentachlorobiphenyl	0.22	5.5 J,M	5.5 J	PG/L	TR/G4
BA4C-WO58-0915-1	L1676352-7	WO	N	1	2,2',3,5,5',6'-HEXACHLOROBIPHENYL	0.12	2.6 J	2.6 J	PG/L	TR
BA4C-WO58-0915-1	L1676352-7	WO	N	1	2,2',3,5'-TETRACHLOROBIPHENYL	0.20	14.2	14.2	PG/L	
BA4C-WO58-0915-1	L1676352-7	WO	N	1	2,2',4,4',5,5'-HEXACHLOROBIPHENYL/2,3',4,4',5',6'-HEXACHLOROBIPHENYL	0.21	6.1 J	6.1 J	PG/L	TR
BA4C-WO58-0915-1	L1676352-7	WO	N	1	2,2',4,4',5-PENTACHLOROBIPHENYL	0.27	8.1	8.1	PG/L	
BA4C-WO58-0915-1	L1676352-7	WO	N	1	2,2',4,5,5'-PENTACHLOROBIPHENYL	0.23	12.9	12.9	PG/L	
BA4C-WO58-0915-1	L1676352-7	WO	N	1	2,2',5,5'-TETRACHLOROBIPHENYL	0.24	16.4 B	16.4 J	PG/L	B1

Automated Data Review Detail Report for L1676352

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Detected Results

Test Method: E1668C		Extraction Method: METHOD			Leach Method: NONE					
FieldSample ID	LabSample ID	Matrix	Type	Dilution	Analyte	MDL	Lab Result	Qualified Result	Units	Reason
BA4C-WO58-0915-1	L1676352-7	WO	N	1	2,2',5-TRICHLOROBIPHENYL	0.82	4.3 J	4.3 J	PG/L	TR
BA4C-WO58-0915-1	L1676352-7	WO	N	1	2,3,3',4,4'-PENTACHLOROBIPHENYL	0.17	3.7 J	3.7 J	PG/L	TR
BA4C-WO58-0915-1	L1676352-7	WO	N	1	2,3,3',4',6-PENTACHLOROBIPHENYL	0.20	15.6 M	15.6	PG/L	
BA4C-WO58-0915-1	L1676352-7	WO	N	1	2,3',4,4',5-PENTACHLOROBIPHENYL	0.17	9.4	9.4	PG/L	
BA4C-WO58-0915-1	L1676352-7	WO	N	1	2,3',4,4'-TETRACHLOROBIPHENYL	0.30	13.5	13.5	PG/L	
BA4C-WO58-0915-1	L1676352-7	WO	N	1	2,4,4'-TRICHLOROBIPHENYL	1.0	12.1 M	12.1	PG/L	
BA4C-WO58-0915-1	L1676352-7	WO	N	1	2,4',5-TRICHLOROBIPHENYL	0.97	6.2 J	6.2 J	PG/L	TR
BA4C-WO58-0915-1	L1676352-7	WO	N	1	3,4,4'-TRICHLOROBIPHENYL	1.4	1.5 J	1.5 J	PG/L	TR
BA4C-WO58-0915-1	L1676352-7	WO	N	1	PCB061/070/074/076	0.30	17.3	17.3	PG/L	
W3-WO100-0915-1	L1676352-9	WO	N	1	2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	0.14	0.38 J	0.38 J	PG/L	TR
W3-WO100-0915-1	L1676352-9	WO	N	1	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	0.22	1.9 J	1.9 J	PG/L	TR
W3-WO100-0915-1	L1676352-9	WO	N	1	2,2',3,4',5',6-HEXACHLOROBIPHENYL	0.22	1.1 J,M	1.1 J	PG/L	TR/G4
W3-WO100-0915-1	L1676352-9	WO	N	1	2,2',3,4,5'-PENTACHLOROBIPHENYL/2,3',4,4',6-Pentachlorobiphenyl	0.31	1.5 J	1.5 J	PG/L	TR
W3-WO100-0915-1	L1676352-9	WO	N	1	2,2',3,5,5',6-HEXACHLOROBIPHENYL	0.17	0.54 J,M	0.54 J	PG/L	TR/G4
W3-WO100-0915-1	L1676352-9	WO	N	1	2,2',3,5'-TETRACHLOROBIPHENYL	0.29	4.6 J	4.6 J	PG/L	TR
W3-WO100-0915-1	L1676352-9	WO	N	1	2,2',4,4',5,5'-HEXACHLOROBIPHENYL/2,3',4,4',5',6-HEXACHLOROBIPHENYL	0.17	1.2 J,M	1.2 J	PG/L	TR/G4
W3-WO100-0915-1	L1676352-9	WO	N	1	2,2',4,4',5-PENTACHLOROBIPHENYL	0.39	1.1 J	1.1 J	PG/L	TR
W3-WO100-0915-1	L1676352-9	WO	N	1	2,2',4,5,5'-PENTACHLOROBIPHENYL	0.33	2.1 J	2.1 J	PG/L	TR
W3-WO100-0915-1	L1676352-9	WO	N	1	2,2',5,5'-TETRACHLOROBIPHENYL	0.35	3.6 J,B	3.6 J	PG/L	TR/B1
W3-WO100-0915-1	L1676352-9	WO	N	1	2,2',5-TRICHLOROBIPHENYL	1.3	2.5 J,M	2.5 J	PG/L	TR/G4
W3-WO100-0915-1	L1676352-9	WO	N	1	2,3,3',4,4'-PENTACHLOROBIPHENYL	0.22	0.97 J	0.97 J	PG/L	TR
W3-WO100-0915-1	L1676352-9	WO	N	1	2,3,3',4',6-PENTACHLOROBIPHENYL	0.28	2.9 J	2.9 J	PG/L	TR
W3-WO100-0915-1	L1676352-9	WO	N	1	2,3',4,4',5-PENTACHLOROBIPHENYL	0.22	1.8 J	1.8 J	PG/L	TR
W3-WO100-0915-1	L1676352-9	WO	N	1	2,3',4,4'-TETRACHLOROBIPHENYL	0.39	1.1 J,M	1.1 J	PG/L	TR/G4
W3-WO100-0915-1	L1676352-9	WO	N	1	2,4,4'-TRICHLOROBIPHENYL	1.4	4.0 J	4.0 J	PG/L	TR
W3-WO100-0915-1	L1676352-9	WO	N	1	2,4',5-TRICHLOROBIPHENYL	1.3	2.4 J,M	2.4 J	PG/L	TR/G4

Automated Data Review Detail Report for L1676352

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Detected Results

Test Method: E1668C		Extraction Method: METHOD			Leach Method: NONE					
FieldSample ID	LabSample ID	Matrix	Type	Dilution	Analyte	MDL	Lab Result	Qualified Result	Units	Reason
W3-WO100-0915-1	L1676352-9	WO	N	1	PCB061/070/074/076	0.40	2.6 J	2.6 J	PG/L	TR
W3-WO198-0915-1	L1676352-10	WO	N	1	2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	0.46	1.6 J	1.6 J	PG/L	TR
W3-WO198-0915-1	L1676352-10	WO	N	1	2,2',3,3',4,4',5,5'-OCTACHLOROBIPHENYL	0.21	0.51 J,M	0.51 J	PG/L	TR/G4
W3-WO198-0915-1	L1676352-10	WO	N	1	2,2',3,3',4,4',5-HEPTACHLOROBIPHENYL	0.90	1.8 J	1.8 J	PG/L	TR
W3-WO198-0915-1	L1676352-10	WO	N	1	2,2',3,3',4,4'-HEXACHLOROBIPHENYL	0.33	1.7 J	1.7 J	PG/L	TR
W3-WO198-0915-1	L1676352-10	WO	N	1	2,2',3,4,4',5,5',6-OCTACHLOROBIPHENYL	0.20	0.63 J,M	0.63 J	PG/L	TR/G4
W3-WO198-0915-1	L1676352-10	WO	N	1	2,2',3,4,4',5,5'-HEPTACHLOROBIPHENYL	0.70	3.8 J	3.8 J	PG/L	TR
W3-WO198-0915-1	L1676352-10	WO	N	1	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	0.36	11.2	11.2	PG/L	
W3-WO198-0915-1	L1676352-10	WO	N	1	2,2',3,4',5,5',6-HEPTACHLOROBIPHENYL	0.79	2.2 J,M	2.2 J	PG/L	TR/G4
W3-WO198-0915-1	L1676352-10	WO	N	1	2,2',3,4',5',6-HEXACHLOROBIPHENYL	0.34	5.4 J	5.4 J	PG/L	TR
W3-WO198-0915-1	L1676352-10	WO	N	1	2,2',3,4,5'-PENTACHLOROBIPHENYL/2,3',4,4',6-Pentachlorobiphenyl	0.22	4.2 J,M	4.2 J	PG/L	TR/G4
W3-WO198-0915-1	L1676352-10	WO	N	1	2,2',3,5,5',6-HEXACHLOROBIPHENYL	0.19	2.7 J	2.7 J	PG/L	TR
W3-WO198-0915-1	L1676352-10	WO	N	1	2,2',3,5'-TETRACHLOROBIPHENYL	0.38	9.8	9.8	PG/L	
W3-WO198-0915-1	L1676352-10	WO	N	1	2,2',4,4',5,5'-HEXACHLOROBIPHENYL/2,3',4,4',5',6-HEXACHLOROBIPHENYL	0.27	6.5 J	6.5 J	PG/L	TR
W3-WO198-0915-1	L1676352-10	WO	N	1	2,2',4,4',5-PENTACHLOROBIPHENYL	0.28	5.9 J	5.9 J	PG/L	TR
W3-WO198-0915-1	L1676352-10	WO	N	1	2,2',4,5,5'-PENTACHLOROBIPHENYL	0.23	9.0	9.0	PG/L	
W3-WO198-0915-1	L1676352-10	WO	N	1	2,2',4,5'-TETRACHLOROBIPHENYL	0.34	5.3 J	5.3 J	PG/L	TR
W3-WO198-0915-1	L1676352-10	WO	N	1	2,2',5,5'-TETRACHLOROBIPHENYL	0.49	11.3 B	11.3 J	PG/L	B1
W3-WO198-0915-1	L1676352-10	WO	N	1	2,2',5-TRICHLOROBIPHENYL	1.3	4.2 J	4.2 J	PG/L	TR
W3-WO198-0915-1	L1676352-10	WO	N	1	2,3,3',4,4',5'-Hexachlorobiphenyl/2,3,3',4,4',5'-Hexachlorobiphenyl	0.25	1.1 J	1.1 J	PG/L	TR
W3-WO198-0915-1	L1676352-10	WO	N	1	2,3,3',4,4',6-HEXACHLOROBIPHENYL	0.24	0.67 J	0.67 J	PG/L	TR
W3-WO198-0915-1	L1676352-10	WO	N	1	2,3,3',4,4'-PENTACHLOROBIPHENYL	0.30	4.9 J	4.9 J	PG/L	TR

Automated Data Review Detail Report for L1676352

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Detected Results

Test Method: E1668C		Extraction Method: METHOD			Leach Method: NONE					
FieldSample ID	LabSample ID	Matrix	Type	Dilution	Analyte	MDL	Lab Result	Qualified Result	Units	Reason
W3-WO198-0915-1	L1676352-10	WO	N	1	2,3,3',4',6-PENTACHLOROBIPHENYL	0.20	12.3 M	12.3	PG/L	
W3-WO198-0915-1	L1676352-10	WO	N	1	2,3',4,4',5-PENTACHLOROBIPHENYL	0.28	9.4	9.4	PG/L	
W3-WO198-0915-1	L1676352-10	WO	N	1	2,3',4,4'-TETRACHLOROBIPHENYL	0.40	9.3	9.3	PG/L	
W3-WO198-0915-1	L1676352-10	WO	N	1	2,4,4'-TRICHLOROBIPHENYL	1.8	9.8 M	9.8	PG/L	
W3-WO198-0915-1	L1676352-10	WO	N	1	2,4',5-TRICHLOROBIPHENYL	1.7	5.4 J,M	5.4 J	PG/L	TR/G4
W3-WO198-0915-1	L1676352-10	WO	N	1	PCB061/070/074/076	0.40	12.8	12.8	PG/L	
W3-WO5-0915-1	L1676352-8	WO	N	1	2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	0.10	0.80 J	0.80 J	PG/L	TR
W3-WO5-0915-1	L1676352-8	WO	N	1	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	0.16	0.80 J,M	0.80 J	PG/L	TR/G4
W3-WO5-0915-1	L1676352-8	WO	N	1	2,2',3,4',5',6-HEXACHLOROBIPHENYL	0.16	0.58 J,M	0.58 J	PG/L	TR/G4
W3-WO5-0915-1	L1676352-8	WO	N	1	2,2',3,4,5'-PENTACHLOROBIPHENYL/2,3',4,4',6-Pentachlorobiphenyl	0.13	0.77 J,M	0.77 J	PG/L	TR/G4
W3-WO5-0915-1	L1676352-8	WO	N	1	2,2',3,5'-TETRACHLOROBIPHENYL	0.21	3.2 J	3.2 J	PG/L	TR
W3-WO5-0915-1	L1676352-8	WO	N	1	2,2',4,4',5,5'-HEXACHLOROBIPHENYL/2,3',4,4',5',6-HEXACHLOROBIPHENYL	0.12	0.44 J,M	0.44 J	PG/L	TR/G4
W3-WO5-0915-1	L1676352-8	WO	N	1	2,2',4,4',5-PENTACHLOROBIPHENYL	0.17	0.57 J	0.57 J	PG/L	TR
W3-WO5-0915-1	L1676352-8	WO	N	1	2,2',4,5,5'-PENTACHLOROBIPHENYL	0.14	1.0 J	1.0 J	PG/L	TR
W3-WO5-0915-1	L1676352-8	WO	N	1	2,2',4,5'-TETRACHLOROBIPHENYL	0.18	0.86 J	0.86 J	PG/L	TR
W3-WO5-0915-1	L1676352-8	WO	N	1	2,2',5,5'-TETRACHLOROBIPHENYL	0.26	2.4 J,B	2.4 J	PG/L	TR/B1
W3-WO5-0915-1	L1676352-8	WO	N	1	2,2',5-TRICHLOROBIPHENYL	1.0	2.4 J	2.4 J	PG/L	TR
W3-WO5-0915-1	L1676352-8	WO	N	1	2,3,3',4,4'-PENTACHLOROBIPHENYL	0.14	0.41 J,M	0.41 J	PG/L	TR/G4
W3-WO5-0915-1	L1676352-8	WO	N	1	2,3,3',4',6-PENTACHLOROBIPHENYL	0.12	1.3 J	1.3 J	PG/L	TR
W3-WO5-0915-1	L1676352-8	WO	N	1	2,3',4,4',5-PENTACHLOROBIPHENYL	0.14	1.0 J	1.0 J	PG/L	TR
W3-WO5-0915-1	L1676352-8	WO	N	1	2,3',4,4'-TETRACHLOROBIPHENYL	0.26	0.57 J	0.57 J	PG/L	TR
W3-WO5-0915-1	L1676352-8	WO	N	1	2,4,4'-TRICHLOROBIPHENYL	0.99	4.9 J	4.9 J	PG/L	TR
W3-WO5-0915-1	L1676352-8	WO	N	1	2,4',5-TRICHLOROBIPHENYL	0.91	3.4 J	3.4 J	PG/L	TR

Automated Data Review Detail Report for L1676352

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Detected Results

Test Method: E1668C		Extraction Method: METHOD			Leach Method: NONE					
FieldSample ID	LabSample ID	Matrix	Type	Dilution	Analyte	MDL	Lab Result	Qualified Result	Units	Reason
W3-WO5-0915-1	L1676352-8	WO	N	1	PCB061/070/074/076	0.27	1.4 J,M	1.4 J	PG/L	TR/G4

Test Method: E1699		Extraction Method: METHOD			Leach Method: NONE					
FieldSample ID	LabSample ID	Matrix	Type	Dilution	Analyte	MDL	Lab Result	Qualified Result	Units	Reason
BA4B-WO145-0915-1	L1676352-3	WO	N	1	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0006	0.062	0.062 J	NG/L	H2/L
BA4B-WO145-0915-1	L1676352-3	WO	N	1	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.041	0.59	0.59 J	NG/L	H2
BA4B-WO145-0915-1	L1676352-3	WO	N	1	o,p'-DDD	0.0055	0.023 J,M	0.023 J	NG/L	H2/L/G4
BA4B-WO145-0915-1	L1676352-3	WO	N	1	o,p'-DDE	0.0045	0.11	0.11 J	NG/L	H2/L/C11
BA4B-WO145-0915-1	L1676352-3	WO	N	1	p,p'-DDD	0.026	0.046 B	0.046 J	NG/L	H2/B1
BA4B-WO145-0915-1	L1676352-3	WO	N	1	p,p'-DDE	0.014	0.44	0.44 J	NG/L	H2/B1
BA4B-WO5-0915-1	L1676352-1	WO	N	1	o,p'-DDE	0.0015	0.0046 J,M	0.0046 J	NG/L	B1/H2/TR/L/G4/C11
BA4B-WO5-0915-1	L1676352-1	WO	N	1	p,p'-DDE	0.0067	0.040 B	0.040 J	NG/L	H2/B1
BA4B-WO75-0915-1	L1676352-2	WO	N	1	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0012	0.042	0.042 J	NG/L	H2/L
BA4B-WO75-0915-1	L1676352-2	WO	N	1	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.046	0.38	0.38 J	NG/L	H2
BA4B-WO75-0915-1	L1676352-2	WO	N	1	o,p'-DDD	0.0052	0.018 J,M	0.018 J	NG/L	H2/L/TR/G4
BA4B-WO75-0915-1	L1676352-2	WO	N	1	o,p'-DDE	0.0059	0.12	0.12 J	NG/L	H2/L/C11
BA4B-WO75-0915-1	L1676352-2	WO	N	1	p,p'-DDD	0.027	0.049 B	0.049 J	NG/L	H2/B1
BA4B-WO75-0915-1	L1676352-2	WO	N	1	p,p'-DDE	0.013	0.47	0.47 J	NG/L	H2/B1
BA4C-WO30-0915-1	L1676352-5	WO	N	1	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0017	0.0054 J	0.0054 J	NG/L	H2/L/TR
BA4C-WO30-0915-1	L1676352-5	WO	N	1	p,p'-DDE	0.035	0.063 B	0.063 J	NG/L	H2/B1
BA4C-WO5-0915-1	L1676352-4	WO	N	1	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0009	0.0030 J	0.0030 J	NG/L	H2/L/TR
BA4C-WO5-0915-1	L1676352-4	WO	N	1	p,p'-DDE	0.018	0.044 B	0.044 J	NG/L	H2/B1
BA4C-WO55-0915-1	L1676352-6	WO	N	1	p,p'-DDE	0.12	0.17 B	0.17 J	NG/L	H2/B1

Automated Data Review Detail Report for L1676352

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Detected Results

Test Method: E1699		Extraction Method: METHOD			Leach Method: NONE					
FieldSample ID	LabSample ID	Matrix	Type	Dilution	Analyte	MDL	Lab Result	Qualified Result	Units	Reason
BA4C-WO58-0915-1	L1676352-7	WO	N	1	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0008	0.19	0.19 J	NG/L	H2/L
BA4C-WO58-0915-1	L1676352-7	WO	N	1	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.042	1.5	1.5 J	NG/L	H2
BA4C-WO58-0915-1	L1676352-7	WO	N	1	o,p'-DDD	0.0061	0.036 M	0.036 J	NG/L	H2/L/G4
BA4C-WO58-0915-1	L1676352-7	WO	N	1	o,p'-DDE	0.0051	0.32	0.32 J	NG/L	H2/L/C11
BA4C-WO58-0915-1	L1676352-7	WO	N	1	p,p'-DDD	0.029	0.086 M	0.086 J	NG/L	H2/B1
BA4C-WO58-0915-1	L1676352-7	WO	N	1	p,p'-DDE	0.014	1.1	1.1 J	NG/L	H2/B1
W3-WO100-0915-1	L1676352-9	WO	N	1	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0006	0.015 J	0.015 J	NG/L	H2/L/TR
W3-WO100-0915-1	L1676352-9	WO	N	1	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.033	0.13 M	0.13 J	NG/L	H2
W3-WO100-0915-1	L1676352-9	WO	N	1	o,p'-DDE	0.0079	0.033	0.033 J	NG/L	H2/L/C11
W3-WO100-0915-1	L1676352-9	WO	N	1	p,p'-DDE	0.017	0.13 B	0.13 J	NG/L	H2/B1
W3-WO198-0915-1	L1676352-10	WO	N	1	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0007	0.11	0.11 J	NG/L	H2/L
W3-WO198-0915-1	L1676352-10	WO	N	1	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.053	0.77	0.77 J	NG/L	H2
W3-WO198-0915-1	L1676352-10	WO	N	1	o,p'-DDD	0.0082	0.036 M	0.036 J	NG/L	H2/L
W3-WO198-0915-1	L1676352-10	WO	N	1	o,p'-DDE	0.0075	0.21	0.21 J	NG/L	H2/L/C11
W3-WO198-0915-1	L1676352-10	WO	N	1	p,p'-DDD	0.049	0.094 M	0.094 J	NG/L	H2/B1
W3-WO198-0915-1	L1676352-10	WO	N	1	p,p'-DDE	0.020	0.94	0.94 J	NG/L	H2/B1

Automated Data Review Detail Report for L1676352

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery
Component Palos Verdes Shelf, Los Angeles County, California

Rejected Results

--No Records Found--

Automated Data Review Detail Report for L1676352

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Review Questions

Method: E1668C				
Review Questions	Yes	No	NA	Comment
Stage 2 Review: COC - Custody Trail?	•			
Stage 2 Review: COC - Temperature/Condition?	•			
Stage 2 Review: COC - Receipt anomalies?	•			
Stage 2 Review: COC - Sample/Methods checked?	•			
Stage 2 Review: Case Narrative - Anomalies?	•			The PCB portion of the extract underwent acid/silica gel and alumina chromatography cleanup prior to concentration to 15 uL volume. A solution of the 1668C injection standards was added to the extract to provide a final volume of 20 uL for instrumental analysis for PCB via 1668C.
Stage 2 Review: Samples - Collection date?	•			09/17/2015
Stage 2 Review: Samples - Extraction date?	•			09/24/2015
Stage 2 Review: Samples - Analysis date?	•			10/23/2015 and 10/24/2015
Stage 2 Review: Samples - Holding time?	•			
Stage 2 Review: Samples - Batching?	•			WG2177847
Stage 2 Review: Samples - Surrogate recoveries?			•	
Stage 2 Review: Samples - Lab qualifiers?	•			J-Flag: Result >= MDL, <= RL. R-flag: ion abundance criteria not met. M-flag: peak was manually integrated. B-flag: analyte detected in the blank >10% of sample concentration.
Stage 2 Review: Samples - Internal Standard recoveries?		•		Recoveries outside control limits in CCV H5-15-CCV-487. Qualification of data is not warranted on this basis.
Stage 2 Review: Calibration - ICAL?	•			
Stage 2 Review: Calibration - ICV?			•	Not required by method.
Stage 2 Review: Calibration - CCV?	•			
Stage 2 Review: Instrument - Tune?	•			
Stage 2 Review: Blank - Method blank?		•		QC Sample WG2177847-1: The following compound was detected in the method blank: PCB-052 (1.74 pg/L). Associated sample results detected at a concentration less than the concentration in the method blank are flagged as not-detected (U) and the reporting limit has been raised to the concentration detected in the blank. Associated results detected at concentrations greater than the concentration in the method blank are flagged for potential high bias (J+).
Stage 2 Review: Blank - Equipment blank?			•	
Stage 2 Review: Precision/Accuracy - LCS/LCSD?		•		Precision analyses are not required by the method. For overall project precision, all project LCS spike recoveries were statistically evaluated as a single data set and appear acceptable.

Automated Data Review Detail Report for L1676352

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Review Questions

Method: E1668C				
Review Questions	Yes	No	NA	Comment
Stage 2 Review: Precision/Accuracy - Lab Replicate?			•	
Stage 2 Review: Precision/Accuracy - MS/MSD?			•	
Stage 2 Review: Quantitation - PQLs?	•			
Stage 2 Review: Quantitation - Dilution Factor?			•	No dilutions.
Stage 2 Review: Quantitation - Results (i.e. correct analytes, RTs)?		•		Four PCB compounds co-eluted and were reported as combined analytes: PCB-70 and -74, PCB -87 and -119, PCB-153 and -168, and PCB-156 and -157. One or more sample results were reported by the laboratory as not-detected with a laboratory data flag of "R" and an EMPC value (indicating that ion abundance criteria were not met). For those results, the "PARVQ" was changed to "C", the "<" parameter was removed, and the results are qualified as estimated concentrations.
Stage 2 Review: Quantitation - Column/Detector RPD?			•	
Stage 2 Review: Field Duplicates - RPD within limits?			•	No field duplicates.

Automated Data Review Detail Report for L1676352

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Review Questions

Method: E1699				
Review Questions	Yes	No	NA	Comment
Stage 2 Review: COC - Custody Trail?	•			
Stage 2 Review: COC - Temperature/Condition?	•			
Stage 2 Review: COC - Receipt anomalies?	•			
Stage 2 Review: COC - Sample/Methods checked?	•			
				All samples analyzed outside of holding time.
Stage 2 Review: Case Narrative - Anomalies?	•			DDNU, DDMU, and 2,4'-DDE/DDD calculated using one to two internal standards. 2,4'-DDT calculated using one internal standard and corrected relative to 13C12-DDE.
Stage 2 Review: Samples - Collection date?	•			09/17/2015
Stage 2 Review: Samples - Extraction date?	•			09/24/2015
Stage 2 Review: Samples - Analysis date?	•			11/18/2015 and 11/19/2015
Stage 2 Review: Samples - Holding time?		•		Holding time exceeded project criteria; samples were extracted within the 7 day recommended holding time, but were analyzed more than 40 days after extraction. The associated samples are qualified as estimated with a potential low bias (J-/UJ).
Stage 2 Review: Samples - Batching?	•			WG2177847
Stage 2 Review: Samples - Surrogate recoveries?			•	
Stage 2 Review: Samples - Lab qualifiers?	•			J-Flag: Result >= MDL, <= RL. R-flag: ion abundance criteria not met. M-flag: peak was manually integrated. B-flag: analyte detected in the blank >10% of sample concentration.
Stage 2 Review: Samples - Internal Standard recoveries?	•			
Stage 2 Review: Calibration - ICAL?	•			
Stage 2 Review: Calibration - ICV?			•	
Stage 2 Review: Calibration - CCV?		•		High recoveries were noted for 2,4'-DDE in CCV H6-15-CCV-0655 (149%). Associated detected results for 2,4'-DDE are qualified for potential high bias (J+). High recoveries were noted for 2,4'-DDT in the following CCVs:H6-15-CCV-0653 (131%), H6-15-CCV-0654 (143%), and H6-15-CCV-0655 (140%). Associated results for 2,4'-DDT are non-detect, so qualification of the data is not necessary.

Automated Data Review Detail Report for L1676352

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Review Questions

Method: E1699

Review Questions	Yes	No	NA	Comment
Stage 2 Review: Blank - Method blank?		•		QC Sample WG2177847-1: The following compounds were detected in the method blank: 4,4-DDE (0.0285 ng/L) and 4,4-DDD (0.00852 ng/L). Associated sample results detected at a concentration less than the concentration in the method blank are flagged as not-detected (U) and the reporting limit has been raised to the concentration detected in the blank. Associated results detected at concentrations greater than the concentration in the method blank are flagged for potential high bias (J+).
Stage 2 Review: Blank - Equipment blank?			•	
Stage 2 Review: Instrument - Tune?	•			
Stage 2 Review: Instrument - Breakdown Standard?	•			
Stage 2 Review: Precision/Accuracy - Lab Replicates?			•	
Stage 2 Review: Precision/Accuracy - MS/MSD?			•	
Stage 2 Review: Precision/Accuracy - LCS/LCSD?		•		Precision analyses are not required by the method. For overall project precision, all project LCS spike recoveries were statistically evaluated as a single data set and appear acceptable. QC Sample WG2177847-2: High %R for 4,4'-DDNU (177%), 2,4'-DDE (148%), and 2,4'-DDD (157%). Associated detected results are qualified as estimated with a potential high bias (J+).
Stage 2 Review: Quantitation - PQLs?	•			
Stage 2 Review: Quantitation - Dilution Factor?		•		No dilutions.
Stage 2 Review: Quantitation - Results (i.e. correct analytes, RTs)?		•		One or more sample results were reported by the laboratory as not-detected with a laboratory data flag of "R" and an EMPC value (indicating that ion abundance criteria were not met). For those results, the "PARVQ" was changed to "C", the "<" parameter was removed, and the results are qualified as estimated concentrations.
Stage 2 Review: Quantitation - Column/Detector RPD?			•	
Stage 2 Review: Field Duplicates - RPD within limits?			•	No field duplicates.

Facility: EPA, Region 9
 Event: PV Shelf Water
 Guidance Document: Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery Component Palos Verdes Shelf, Los Angeles County, California
 Contract Laboratory: ALS LAB GROUP, BURLINGTON, ON CANADA
 Field Contractor: Gilbane Company, Walnut Creek, CA
 Data Review Contractor: Veridian Environmental, Inc.
 SDG: L1678061, Certified - 5/27/2016 by wtse
 QC Level: S2BVEM
 Project Manager: Robert Lindfors
 Data Reviewer: Lynn Sandsor
 Data Reviewer Title: Senior Quality Assurance Chemist
 Date of Review Report: August 28, 2016
 Second Reviewer: Tracy Young
 Completion Date of Second Reviewer: September 01, 2016

Analytical Method/ Leach Method	Normal Water Samples	Field QC Water Samples
E1668C/NONE	43	7
E1699/NONE	43	7

This report assesses the analytical data quality associated with the analyses listed on the preceding cover page. This assessment has been made through a combination of automated data review (ADR) and supplemental manual review, the details of which are described below. The approach taken in the review of this data set is consistent with the requirements contained in the Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery Component Palos Verdes Shelf, Los Angeles County, California to the extent possible. Where definitive guidance is not provided, data has been evaluated in a conservative manner using professional judgment. In cases where two qualifiers are listed as an action, such as 'J/UJ', the first qualifier applies to positive results, and the second to non-detect results.

Samples were collected by Gilbane Company, Walnut Creek, CA; analyses were performed by ALS LAB GROUP, BURLINGTON, ON CANADA and were reported under sample delivery group (SDG) L1678061. Results have been evaluated electronically using electronic data deliverables (EDDs) provided by the laboratory. The laboratory data summary forms (hard copy) have been reviewed during this effort and compared to the automated review output. Findings based on the automated data submission and manual data verification processes are detailed in the ADR narrative.

The following quality control elements were supported by the electronic deliverable and were evaluated during this review effort:

- Blank
- Blank - Negative
- Equipment Blank
- Field Duplicate
- LCS Recovery
- Prep Hold Time
- Surrogate
- Test Hold Time

The following quality control elements were either not applicable to the deliverable, or were not supported by the electronic deliverable, and were therefore not included in the automated data review. Those elements required for the project were reviewed manually, as narrated in the Comment section below.

- Ambient Blank
- Calibration Blank
- Calibration Blank - Negative
- Continuing Calibration Verification
- Field Blank
- Initial Calibration Verification
- Lab Replicate RPD
- Material Blank
- MS Recovery
- MS RPD
- Negative Blank
- Trip Blank

A representative sampling or ten percent of sample and QC results were manually evaluated for compliance with project specific requirements and consistency with hard copy results. The following summaries were generated during the evaluation of this data set and are included in this report as applicable.

Batch – The analytical batch report is reviewed for completeness and compliance with project specific requirements. Incomplete or non-compliant run sequences are identified and their impact on data quality are discussed in the narrative.

QC Outlier – Results exceeding the evaluation criteria are reviewed for compliance with project requirements and a minimum of ten percent of the non-compliant QC values reported electronically are verified for consistency with hard-copy values.

Qualified Results – Qualified results are evaluated for compliance with project requirements and ten percent of qualified results are verified for consistency with the QC Outliers.

Rejected Results – All rejected results are evaluated for compliance with project requirements. The reason for rejection of the data is verified against hard copy data.

Field Duplicates – Field duplicate comparison results are evaluated for compliance with project requirements and ten percent of values reported are verified for consistency with the hard-copy data.

Data Submission Warnings – Warnings encountered during the data submission process are evaluated and their affect on data quality is discussed in the narrative below.

Analytical deficiencies, project non-compliance issues and inconsistencies with hard copy results observed during ADR evaluation process and their impact on data quality are summarized in the narrative below.

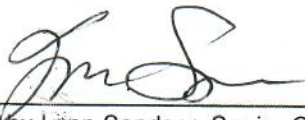
A total of 1238 results (51.69%) out of the 2395 results (sample and field QC samples) reported are qualified based on review and 0 results (0.00%) have been rejected. Trace values are not counted as qualified results in the above count. The qualified results are detailed in the following tables and discussed in the narrative below, where appropriate.

Narrative Comments

Project samples listed on COC include 48 individual samples, with results submitted in five data packages. Samples received in good condition per case narrative.

For Client Sample ID BA1DC-WO5-0915-2, the sample date was incorrectly recorded by the laboratory at 9/16/2015; the sample was collected on 9/23/2015. The collection date has been corrected on the Gilbane portal.

Analytical Method	Comment
E1668C	Comment for Analytical Method: Four PCB compounds co-eluted and were reported as combined analytes: PCB-70 and -74, PCB -87 and -119, PCB-153 and -168, and PCB-156 and -157. The PCB portion of the extract underwent acid/silica gel and alumina chromatography cleanup prior to concentration to 15 uL volume. A solution of the 1668C injection standards was added to the extract to provide a final volume of 20 uL for instrumental analysis for PCB via 1668C. There were failures of the C-13 monochloro-PCB Extraction Internal Standard recoveries. However, since monochlorobiphenyls are not required for this project, there is no negative impact on the data quality based on these low recoveries.
E1699	All samples analyzed outside of 40-day holding time. DDNU, DDMU, and 2,4'-DDE/DDD calculated using one to two internal standards. 2,4'-DDT calculated using one internal standard and corrected relative to 13C12-DDE. It was noted in the case narrative that the sample matrix was particularly problematic. The following samples were evaporated to dryness during the concentration phase of the extraction procedure. Associated results for Method 1699 are qualified as estimated with a potential low bias (UJ/J-) due to potential analyte loss. BA5B-WO75-0915-1 BA5B-WO145-0915-1 BA5C-WO58-0915-1 BA5C-WO58-0915-2 BA5DC-WO35-0915-1 BA5DC-WO38-0915-2 BA6B-WO5-0915-1 BA6BC-WO5-0915-1 BA6DC-WO35-0915-1 W2-WO198-0915-1 BA4DC-WO35-0915-1 BA3B-WO5-0915-1 BA3B-WO80-0915-1 BA3B-WO145-0915-1



Reviewed by Lynn Sandsor, Senior Quality Assurance
Chemist

August 28, 2016



Reviewed by Tracy Young

September 01, 2016

Reason Code Definitions

Code	Definition
B1	The analyte was found in an associated method blank.
C11	Continuing Calibration Verification percent recovery, percent difference, or percent drift
D5	Field duplicate precision
G4	Ion abundance ratios are outside criteria - estimated maximum possible concentration (EMPC) reported
H2	Prep Hold Time
K1	Detected in the associated equipment rinsate blank.
L	Percent recovery of laboratory control sample recovery was outside established limits
S	Surrogate recovery out of criteria (upper or lower limit)
TR	Trace Level Detect
X2	Qualified due to professional judgment, see data validation narrative.

Flag Code and Definitions

Flag	Definition
J	Estimated: The analyte was positively identified, the quantitation is an estimation due to discrepancies in meeting certain analyte-specific quality control criteria.
N	The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification".
NJ	The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.
R	The data are rejected due to deficiencies in meeting QC criteria and may not be used for decision making.
U	Undetected: The analyte was analyzed for, but not detected.
UJ	The analyte was not detected; however, the result is estimated due to discrepancies in meeting certain analyte-specific quality control criteria.

Automated Data Review Detail Report for L1678061

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Batch Report

Test Method: E1668C Analysis Batch: R3325759

Location	Matrix	Field Sample ID	Lab Sample ID	Calibration Ref	Run#/ Dil'n	Collection Date/Time	Extraction Date/Time	Analysis Date/Time	Prep/Leach Batch	Sample Type
LABQC	WQ	LABQC	WG2180279-2		1/1	9/28/2015 00:00	9/28/2015 00:00	12/2/2015 15:45	R3325759/	BS
LABQC	WQ	LABQC	WG2180279-1		1/1	9/28/2015 00:00	9/28/2015 00:00	12/2/2015 17:04	R3325759/	LB
BA6DC	WO	BA6DC-WO35-0915-1	L1678061-26		1/1	9/22/2015 15:39	9/28/2015 00:00	12/2/2015 17:44	R3325759/	N
W2	WO	W2-WO5-0915-1	L1678061-33		1/1	9/23/2015 10:48	9/28/2015 00:00	12/2/2015 18:24	R3325759/	N
W2	WO	W2-WO100-0915-1	L1678061-34		1/1	9/23/2015 09:39	9/28/2015 00:00	12/2/2015 19:03	R3325759/	N
W2	WO	W2-WO195-0915-1	L1678061-35		1/1	9/23/2015 10:36	9/28/2015 00:00	12/2/2015 19:43	R3325759/	N
W2	WO	W2-WO198-0915-1	L1678061-36		1/1	9/23/2015 09:56	9/28/2015 00:00	12/2/2015 20:22	R3325759/	N
BA4DC	WO	BA4DC-WO5-0915-1	L1678061-37		1/1	9/23/2015 13:52	9/28/2015 00:00	12/2/2015 21:02	R3325759/	N
BA4DC	WO	BA4DC-WO20-0915-1	L1678061-38		1/1	9/23/2015 13:39	9/28/2015 00:00	12/2/2015 21:41	R3325759/	N
BA4DC	WO	BA4DC-WO35-0915-1	L1678061-39		1/1	9/23/2015 13:46	9/28/2015 00:00	12/4/2015 00:25	R3325759/	N
BA3B	WO	BA3B-WO5-0915-1	L1678061-40		1/1	9/23/2015 13:22	9/28/2015 00:00	12/4/2015 01:05	R3325759/	N
BA3B	WO	BA3B-WO80-0915-1	L1678061-41		1/1	9/23/2015 13:00	9/28/2015 00:00	12/4/2015 01:44	R3325759/	N
BA3B	WO	BA3B-WO145-0915-1	L1678061-42		1/1	9/23/2015 13:12	9/28/2015 00:00	12/4/2015 02:24	R3325759/	N
BA1DC	WO	BA1DC-WO5-0915-1	L1678061-43		1/1	9/23/2015 11:48	9/28/2015 00:00	12/4/2015 03:03	R3325759/	N
BA1DC	WO	BA1DC-WO5-0915-2	L1678061-44		1/1	9/16/2015 11:57	9/28/2015 00:00	12/4/2015 03:43	R3325759/	FD
BA1DC	WO	BA1DC-WO5-0915-2	L1678061-44		1/1	9/23/2015 11:53	9/28/2015 00:00	12/4/2015 03:43	R3325759/	FD
BA2B	WO	BA2B-WO145-0915-1	L1678061-45		1/1	9/23/2015 12:28	9/28/2015 00:00	12/4/2015 04:22	R3325759/	N
BA2C	WO	BA2C-WO5-0915-1	L1678061-46		1/1	9/23/2015 12:43	9/28/2015 00:00	12/4/2015 05:02	R3325759/	N

Test Method: E1668C Analysis Batch: R3325812

Location	Matrix	Field Sample ID	Lab Sample ID	Calibration Ref	Run#/ Dil'n	Collection Date/Time	Extraction Date/Time	Analysis Date/Time	Prep/Leach Batch	Sample Type
LABQC	WQ	LABQC	WG2178898-2		1/1	9/25/2015 00:00	9/25/2015 00:00	11/19/2015 20:30	R3325812/	BS
LABQC	WQ	LABQC	WG2178898-1		1/1	9/25/2015 00:00	9/25/2015 00:00	11/19/2015 21:49	R3325812/	LB
BA5B	WO	BA5B-WO5-0915-1	L1678061-1		1/1	9/22/2015 10:32	9/25/2015 00:00	11/19/2015 22:29	R3325812/	N

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EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Batch Report

Test Method: E1668C		Analysis Batch: R3325812								
Location	Matrix	Field Sample ID	Lab Sample ID	Calibration Ref	Run#/ Dil'n	Collection Date/Time	Extraction Date/Time	Analysis Date/Time	Prep/Leach Batch	Sample Type
BA5B	WO	BA5B-WO75-0915-1	L1678061-2		1/1	9/22/2015 10:42	9/25/2015 00:00	11/19/2015 23:08	R3325812/	N
BA5B	WO	BA5B-WO145-0915-1	L1678061-3		1/1	9/22/2015 10:58	9/25/2015 00:00	11/19/2015 23:48	R3325812/	N
BA5C	WO	BA5C-WO5-0915-1	L1678061-4		1/1	9/22/2015 11:14	9/25/2015 00:00	11/20/2015 00:27	R3325812/	N
BA5C	WO	BA5C-WO30-0915-1	L1678061-5		1/1	9/22/2015 11:59	9/25/2015 00:00	11/20/2015 01:07	R3325812/	N
BA5C	WO	BA5C-WO55-0915-1	L1678061-6		1/1	9/22/2015 11:49	9/25/2015 00:00	11/20/2015 01:46	R3325812/	N
BA5C	WO	BA5C-WO58-0915-1	L1678061-7		1/1	9/22/2015 11:23	9/25/2015 00:00	11/20/2015 05:14	R3325812/	N
BA5C	WO	BA5C-WO58-0915-2	L1678061-8		1/1	9/22/2015 11:34	9/25/2015 00:00	11/20/2015 05:53	R3325812/	FD
W3	WO	W3-WO195-0915-1	L1678061-9		1/1	9/22/2015 09:49	9/25/2015 00:00	11/20/2015 06:33	R3325812/	N
FIELDQC	WQ	WQ-ER2-0915-1	L1678061-10		1/1	9/22/2015 18:50	9/25/2015 00:00	11/20/2015 07:12	R3325812/	EB
BA5DC	WO	BA5DC-WO5-0915-1	L1678061-11		1/1	9/22/2015 13:07	9/25/2015 00:00	11/20/2015 07:52	R3325812/	N
BA5DC	WO	BA5DC-WO20-0915-1	L1678061-12		1/1	9/22/2015 13:00	9/25/2015 00:00	11/20/2015 08:31	R3325812/	N
BA5DC	WO	BA5DC-WO35-0915-1	L1678061-13		1/1	9/22/2015 12:51	9/25/2015 00:00	11/20/2015 09:11	R3325812/	N
BA5DC	WO	BA5DC-WO38-0915-1	L1678061-14		1/1	9/22/2015 12:31	9/25/2015 00:00	11/20/2015 09:50	R3325812/	N
BA5DC	WO	BA5DC-WO38-0915-2	L1678061-15		1/1	9/22/2015 12:42	9/25/2015 00:00	11/20/2015 10:30	R3325812/	FD

Test Method: E1668C		Analysis Batch: R3326425								
Location	Matrix	Field Sample ID	Lab Sample ID	Calibration Ref	Run#/ Dil'n	Collection Date/Time	Extraction Date/Time	Analysis Date/Time	Prep/Leach Batch	Sample Type
LABQC	WQ	LABQC	WG2180014-2		1/1	9/27/2015 00:00	9/27/2015 00:00	12/1/2015 23:22	R3326425/	BS
LABQC	WQ	LABQC	WG2180014-1		1/1	9/27/2015 00:00	9/27/2015 00:00	12/2/2015 00:42	R3326425/	LB
BA6B	WO	BA6B-WO5-0915-1	L1678061-16		1/1	9/22/2015 14:08	9/27/2015 00:00	12/2/2015 01:21	R3326425/	N
BA6B	WO	BA6B-WO75-0915-1	L1678061-17		1/1	9/22/2015 13:57	9/27/2015 00:00	12/2/2015 02:01	R3326425/	N
BA6B	WO	BA6B-WO145-0915-1	L1678061-18		1/1	9/22/2015 13:37	9/27/2015 00:00	12/2/2015 02:40	R3326425/	N
BA6BC	WO	BA6BC-WO5-0915-1	L1678061-19		1/1	9/22/2015 14:43	9/27/2015 00:00	12/2/2015 03:20	R3326425/	N
BA6BC	WO	BA6BC-WO50-0915-1	L1678061-20		1/1	9/22/2015 14:35	9/27/2015 00:00	12/2/2015 03:59	R3326425/	N
BA6BC	WO	BA6BC-WO95-0915-1	L1678061-21		1/1	9/22/2015 14:24	9/27/2015 00:00	12/2/2015 04:39	R3326425/	N

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Component Palos Verdes Shelf, Los Angeles County, California

Batch Report

Test Method: E1668C		Analysis Batch: R3326425								
Location	Matrix	Field Sample ID	Lab Sample ID	Calibration Ref	Run#/Dil'n	Collection Date/Time	Extraction Date/Time	Analysis Date/Time	Prep/Leach Batch	Sample Type
BA6C	WO	BA6C-WO5-0915-1	L1678061-22		1/1	9/22/2015 15:23	9/27/2015 00:00	12/2/2015 05:18	R3326425/	N
BA6C	WO	BA6C-WO30-0915-1	L1678061-23		1/1	9/22/2015 15:12	9/27/2015 00:00	12/2/2015 05:58	R3326425/	N
BA6DC	WO	BA6DC-WO5-0915-1	L1678061-24		1/1	9/22/2015 15:56	9/27/2015 00:00	12/2/2015 06:37	R3326425/	N
BA7DC	WO	BA7DC-WO5-0915-1	L1678061-27		1/1	9/22/2015 17:03	9/27/2015 00:00	12/2/2015 07:17	R3326425/	N
BA7DC	WO	BA7DC-WO35-0915-1	L1678061-29		1/1	9/22/2015 16:47	9/27/2015 00:00	12/3/2015 22:27	R3326425/	N
BA7DC	WO	BA7DC-WO38-0915-2	L1678061-31		1/1	9/22/2015 16:26	9/27/2015 00:00	12/3/2015 23:06	R3326425/	FD
BA7DC	WO	BA7DC-WO38-0915-2	L1678061-31		1/1	9/22/2015 16:26	9/27/2015 00:00	12/3/2015 23:06	R3326425/	N
BA7DC	WO	BA7DC-WO38-0915-3	L1678061-32		1/1	9/22/2015 16:36	9/27/2015 00:00	12/3/2015 23:46	R3326425/	FD
BA7DC	WO	BA7DC-WO38-0915-3	L1678061-32		1/1	9/22/2015 16:36	9/27/2015 00:00	12/3/2015 23:46	R3326425/	N
BA7DC	WO	BA7DC-WO38-0915-1	L1678061-30		1/1	9/22/2015 16:13	9/27/2015 00:00	12/18/2015 07:55	R3326425/	FR

Test Method: E1668C		Analysis Batch: R3334597								
Location	Matrix	Field Sample ID	Lab Sample ID	Calibration Ref	Run#/Dil'n	Collection Date/Time	Extraction Date/Time	Analysis Date/Time	Prep/Leach Batch	Sample Type
LABQC	WQ	LABQC	WG2180473-2		1/1	9/29/2015 00:00	9/29/2015 00:00	12/3/2015 12:24	R3334597/	BS
LABQC	WQ	LABQC	WG2180473-1		1/1	9/29/2015 00:00	9/29/2015 00:00	12/3/2015 13:43	R3334597/	LB
BA7DC	WO	BA7DC-WO20-0915-1	L1678061-28		1/1	9/22/2015 16:55	9/29/2015 00:00	12/3/2015 14:22	R3334597/	N
BA1B	WO	BA1B-WO5-0915-1	L1678061-47		1/1	9/23/2015 11:37	9/29/2015 00:00	12/3/2015 15:02	R3334597/	N
BA1B	WO	BA1B-WO75-0915-1	L1678061-48		1/1	9/23/2015 11:12	9/29/2015 00:00	12/3/2015 15:41	R3334597/	N
BA1B	WO	BA1B-WO145-0915-1	L1678061-49		1/1	9/23/2015 11:27	9/29/2015 00:00	12/3/2015 16:21	R3334597/	N

Test Method: E1699		Analysis Batch: R3325759								
Location	Matrix	Field Sample ID	Lab Sample ID	Calibration Ref	Run#/Dil'n	Collection Date/Time	Extraction Date/Time	Analysis Date/Time	Prep/Leach Batch	Sample Type
LABQC	WQ	LABQC	WG2180279-2		1/1	9/28/2015 00:00	9/28/2015 00:00	12/4/2015 21:30	R3325759/	BS

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Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Batch Report

Test Method: E1699		Analysis Batch: R3325759								
Location	Matrix	Field Sample ID	Lab Sample ID	Calibration Ref	Run#/ Dil'n	Collection Date/Time	Extraction Date/Time	Analysis Date/Time	Prep/Leach Batch	Sample Type
LABQC	WQ	LABQC	WG2180279-1		1/1	9/28/2015 00:00	9/28/2015 00:00	12/4/2015 23:07	R3325759/	LB
BA6DC	WO	BA6DC-WO35-0915-1	L1678061-26		1/1	9/22/2015 15:39	9/28/2015 00:00	12/4/2015 23:39	R3325759/	N
W2	WO	W2-WO5-0915-1	L1678061-33		1/1	9/23/2015 10:48	9/28/2015 00:00	12/5/2015 00:11	R3325759/	N
W2	WO	W2-WO100-0915-1	L1678061-34		1/1	9/23/2015 09:39	9/28/2015 00:00	12/5/2015 00:44	R3325759/	N
W2	WO	W2-WO195-0915-1	L1678061-35		1/1	9/23/2015 10:36	9/28/2015 00:00	12/5/2015 03:39	R3325759/	N
W2	WO	W2-WO198-0915-1	L1678061-36		1/1	9/23/2015 09:56	9/28/2015 00:00	12/5/2015 04:11	R3325759/	N
BA4DC	WO	BA4DC-WO5-0915-1	L1678061-37		1/1	9/23/2015 13:52	9/28/2015 00:00	12/5/2015 04:43	R3325759/	N
BA4DC	WO	BA4DC-WO20-0915-1	L1678061-38		1/1	9/23/2015 13:39	9/28/2015 00:00	12/5/2015 05:16	R3325759/	N
BA4DC	WO	BA4DC-WO35-0915-1	L1678061-39		1/1	9/23/2015 13:46	9/28/2015 00:00	12/5/2015 05:48	R3325759/	N
BA3B	WO	BA3B-WO5-0915-1	L1678061-40		1/1	9/23/2015 13:22	9/28/2015 00:00	12/5/2015 06:20	R3325759/	N
BA3B	WO	BA3B-WO80-0915-1	L1678061-41		1/1	9/23/2015 13:00	9/28/2015 00:00	12/5/2015 09:15	R3325759/	N
BA3B	WO	BA3B-WO145-0915-1	L1678061-42		1/1	9/23/2015 13:12	9/28/2015 00:00	12/5/2015 09:47	R3325759/	N
BA1DC	WO	BA1DC-WO5-0915-1	L1678061-43		1/1	9/23/2015 11:48	9/28/2015 00:00	12/5/2015 10:19	R3325759/	N
BA1DC	WO	BA1DC-WO5-0915-2	L1678061-44		1/1	9/23/2015 11:53	9/28/2015 00:00	12/5/2015 10:52	R3325759/	FD
BA1DC	WO	BA1DC-WO5-0915-2	L1678061-44		1/1	9/16/2015 11:57	9/28/2015 00:00	12/5/2015 10:52	R3325759/	FD
BA2B	WO	BA2B-WO145-0915-1	L1678061-45		1/1	9/23/2015 12:28	9/28/2015 00:00	12/5/2015 11:24	R3325759/	N
BA2C	WO	BA2C-WO5-0915-1	L1678061-46		1/1	9/23/2015 12:43	9/28/2015 00:00	12/5/2015 11:56	R3325759/	N

Test Method: E1699		Analysis Batch: R3325812								
Location	Matrix	Field Sample ID	Lab Sample ID	Calibration Ref	Run#/ Dil'n	Collection Date/Time	Extraction Date/Time	Analysis Date/Time	Prep/Leach Batch	Sample Type
LABQC	WQ	LABQC	WG2178898-2		1/1	9/25/2015 00:00	9/25/2015 00:00	12/3/2015 22:17	R3325812/	BS
LABQC	WQ	LABQC	WG2178898-1		1/1	9/25/2015 00:00	9/25/2015 00:00	12/3/2015 23:54	R3325812/	LB
BA5B	WO	BA5B-WO5-0915-1	L1678061-1		1/1	9/22/2015 10:32	9/25/2015 00:00	12/4/2015 00:27	R3325812/	N
BA5B	WO	BA5B-WO75-0915-1	L1678061-2		1/1	9/22/2015 10:42	9/25/2015 00:00	12/4/2015 00:59	R3325812/	N
BA5B	WO	BA5B-WO145-0915-1	L1678061-3		1/1	9/22/2015 10:58	9/25/2015 00:00	12/4/2015 01:31	R3325812/	N

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Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Batch Report

Test Method: E1699		Analysis Batch: R3325812								
Location	Matrix	Field Sample ID	Lab Sample ID	Calibration Ref	Run#/ Dil'n	Collection Date/Time	Extraction Date/Time	Analysis Date/Time	Prep/Leach Batch	Sample Type
BA5C	WO	BA5C-WO5-0915-1	L1678061-4		1/1	9/22/2015 11:14	9/25/2015 00:00	12/4/2015 04:26	R3325812/	N
BA5C	WO	BA5C-WO30-0915-1	L1678061-5		1/1	9/22/2015 11:59	9/25/2015 00:00	12/4/2015 04:58	R3325812/	N
BA5C	WO	BA5C-WO55-0915-1	L1678061-6		1/1	9/22/2015 11:49	9/25/2015 00:00	12/4/2015 05:31	R3325812/	N
BA5C	WO	BA5C-WO58-0915-1	L1678061-7		1/1	9/22/2015 11:23	9/25/2015 00:00	12/4/2015 06:03	R3325812/	N
BA5C	WO	BA5C-WO58-0915-2	L1678061-8		1/1	9/22/2015 11:34	9/25/2015 00:00	12/4/2015 06:35	R3325812/	FD
W3	WO	W3-WO195-0915-1	L1678061-9		1/1	9/22/2015 09:49	9/25/2015 00:00	12/4/2015 07:08	R3325812/	N
FIELDQC	WQ	WQ-ER2-0915-1	L1678061-10		1/1	9/22/2015 18:50	9/25/2015 00:00	12/4/2015 10:28	R3325812/	EB
BA5DC	WO	BA5DC-WO5-0915-1	L1678061-11		1/1	9/22/2015 13:07	9/25/2015 00:00	12/4/2015 10:58	R3325812/	N
BA5DC	WO	BA5DC-WO20-0915-1	L1678061-12		1/1	9/22/2015 13:00	9/25/2015 00:00	12/4/2015 11:30	R3325812/	N
BA5DC	WO	BA5DC-WO35-0915-1	L1678061-13		1/1	9/22/2015 12:51	9/25/2015 00:00	12/4/2015 12:02	R3325812/	N
BA5DC	WO	BA5DC-WO38-0915-1	L1678061-14		1/1	9/22/2015 12:31	9/25/2015 00:00	12/4/2015 12:34	R3325812/	N
BA5DC	WO	BA5DC-WO38-0915-2	L1678061-15		1/1	9/22/2015 12:42	9/25/2015 00:00	12/4/2015 13:07	R3325812/	FD
BA5B	WO	BA5B-WO5-0915-1	L1678061-1		1/1	9/22/2015 10:32	9/25/2015 00:00	12/5/2015 14:51	R3325812/	N
BA5B	WO	BA5B-WO75-0915-1	L1678061-2		1/1	9/22/2015 10:42	9/25/2015 00:00	12/5/2015 15:23	R3325812/	N
BA5C	WO	BA5C-WO58-0915-1	L1678061-7		1/1	9/22/2015 11:23	9/25/2015 00:00	12/5/2015 15:55	R3325812/	N
BA5DC	WO	BA5DC-WO38-0915-1	L1678061-14		1/1	9/22/2015 12:31	9/25/2015 00:00	12/5/2015 16:28	R3325812/	N
BA5B	WO	BA5B-WO5-0915-1	L1678061-1		1/1	9/22/2015 10:32	9/25/2015 00:00	12/6/2015 14:35	R3325812/	N

Test Method: E1699		Analysis Batch: R3326425								
Location	Matrix	Field Sample ID	Lab Sample ID	Calibration Ref	Run#/ Dil'n	Collection Date/Time	Extraction Date/Time	Analysis Date/Time	Prep/Leach Batch	Sample Type
LABQC	WQ	LABQC	WG2180014-2		1/1	9/27/2015 00:00	9/27/2015 00:00	12/3/2015 23:49	R3326425/	BS
LABQC	WQ	LABQC	WG2180014-1		1/1	9/27/2015 00:00	9/27/2015 00:00	12/4/2015 01:30	R3326425/	LB
BA6B	WO	BA6B-WO75-0915-1	L1678061-17		1/1	9/22/2015 13:57	9/27/2015 00:00	12/4/2015 02:38	R3326425/	N
BA6B	WO	BA6B-WO145-0915-1	L1678061-18		1/1	9/22/2015 13:37	9/27/2015 00:00	12/4/2015 03:11	R3326425/	N
BA6BC	WO	BA6BC-WO5-0915-1	L1678061-19		1/1	9/22/2015 14:43	9/27/2015 00:00	12/4/2015 03:44	R3326425/	N

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EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery
Component Palos Verdes Shelf, Los Angeles County, California**Batch Report**

Test Method: E1699		Analysis Batch: R3326425								
Location	Matrix	Field Sample ID	Lab Sample ID	Calibration Ref	Run#/Dil'n	Collection Date/Time	Extraction Date/Time	Analysis Date/Time	Prep/Leach Batch	Sample Type
BA6BC	WO	BA6BC-WO50-0915-1	L1678061-20		1/1	9/22/2015 14:35	9/27/2015 00:00	12/4/2015 05:59	R3326425/	N
BA6BC	WO	BA6BC-WO95-0915-1	L1678061-21		1/1	9/22/2015 14:24	9/27/2015 00:00	12/4/2015 06:33	R3326425/	N
BA6C	WO	BA6C-WO5-0915-1	L1678061-22		1/1	9/22/2015 15:23	9/27/2015 00:00	12/4/2015 07:06	R3326425/	N
BA6C	WO	BA6C-WO30-0915-1	L1678061-23		1/1	9/22/2015 15:12	9/27/2015 00:00	12/4/2015 07:39	R3326425/	N
BA6DC	WO	BA6DC-WO5-0915-1	L1678061-24		1/1	9/22/2015 15:56	9/27/2015 00:00	12/4/2015 08:13	R3326425/	N
BA7DC	WO	BA7DC-WO35-0915-1	L1678061-29		1/1	9/22/2015 16:47	9/27/2015 00:00	12/4/2015 11:35	R3326425/	N
BA7DC	WO	BA7DC-WO38-0915-1	L1678061-30		1/1	9/22/2015 16:13	9/27/2015 00:00	12/4/2015 12:08	R3326425/	FR
BA7DC	WO	BA7DC-WO38-0915-2	L1678061-31		1/1	9/22/2015 16:26	9/27/2015 00:00	12/4/2015 12:42	R3326425/	FD
BA7DC	WO	BA7DC-WO38-0915-2	L1678061-31		1/1	9/22/2015 16:26	9/27/2015 00:00	12/4/2015 12:42	R3326425/	N
BA7DC	WO	BA7DC-WO38-0915-3	L1678061-32		1/1	9/22/2015 16:36	9/27/2015 00:00	12/4/2015 13:15	R3326425/	FD
BA7DC	WO	BA7DC-WO38-0915-3	L1678061-32		1/1	9/22/2015 16:36	9/27/2015 00:00	12/4/2015 13:15	R3326425/	N
BA6B	WO	BA6B-WO5-0915-1	L1678061-16		1/1	9/22/2015 14:08	9/27/2015 00:00	12/4/2015 15:43	R3326425/	N
BA7DC	WO	BA7DC-WO5-0915-1	L1678061-27		1/1	9/22/2015 17:03	9/27/2015 00:00	12/4/2015 16:17	R3326425/	N

Test Method: E1699		Analysis Batch: R3334597								
Location	Matrix	Field Sample ID	Lab Sample ID	Calibration Ref	Run#/Dil'n	Collection Date/Time	Extraction Date/Time	Analysis Date/Time	Prep/Leach Batch	Sample Type
LABQC	WQ	LABQC	WG2180473-2		1/1	9/29/2015 00:00	9/29/2015 00:00	12/6/2015 16:58	R3334597/	BS
LABQC	WQ	LABQC	WG2180473-1		1/1	9/29/2015 00:00	9/29/2015 00:00	12/6/2015 18:35	R3334597/	LB
BA7DC	WO	BA7DC-WO20-0915-1	L1678061-28		1/1	9/22/2015 16:55	9/29/2015 00:00	12/6/2015 19:07	R3334597/	N
BA1B	WO	BA1B-WO5-0915-1	L1678061-47		1/1	9/23/2015 11:37	9/29/2015 00:00	12/6/2015 19:39	R3334597/	N
BA1B	WO	BA1B-WO75-0915-1	L1678061-48		1/1	9/23/2015 11:12	9/29/2015 00:00	12/6/2015 20:12	R3334597/	N
BA1B	WO	BA1B-WO145-0915-1	L1678061-49		1/1	9/23/2015 11:27	9/29/2015 00:00	12/6/2015 23:06	R3334597/	N

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Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Field Batch Report

Test Method: E1668C		Extraction Method: METHOD		Leach Method: NONE				
EBLOT	TBLOT	ABLOT	LOCID	Matrix	FLDSAMPID	LABSAMPID	LOGDATE	SACODE
22091501			BA1DC	WO	BA1DC-WO5-0915-1	L1678061-43	9/23/2015 11:48	N
22091501			BA1DC	WO	BA1DC-WO5-0915-2	L1678061-44	9/23/2015 11:53	FD
22091501			BA2B	WO	BA2B-WO145-0915-1	L1678061-45	9/23/2015 12:28	N
22091501			BA2C	WO	BA2C-WO5-0915-1	L1678061-46	9/23/2015 12:43	N
22091501			BA3B	WO	BA3B-WO145-0915-1	L1678061-42	9/23/2015 13:12	N
22091501			BA3B	WO	BA3B-WO5-0915-1	L1678061-40	9/23/2015 13:22	N
22091501			BA3B	WO	BA3B-WO80-0915-1	L1678061-41	9/23/2015 13:00	N
22091501			BA4DC	WO	BA4DC-WO20-0915-1	L1678061-38	9/23/2015 13:39	N
22091501			BA4DC	WO	BA4DC-WO35-0915-1	L1678061-39	9/23/2015 13:46	N
22091501			BA4DC	WO	BA4DC-WO5-0915-1	L1678061-37	9/23/2015 13:52	N
22091501			BA5B	WO	BA5B-WO145-0915-1	L1678061-3	9/22/2015 10:58	N
22091501			BA5B	WO	BA5B-WO5-0915-1	L1678061-1	9/22/2015 10:32	N
22091501			BA5B	WO	BA5B-WO75-0915-1	L1678061-2	9/22/2015 10:42	N
22091501			BA5C	WO	BA5C-WO30-0915-1	L1678061-5	9/22/2015 11:59	N
22091501			BA5C	WO	BA5C-WO5-0915-1	L1678061-4	9/22/2015 11:14	N
22091501			BA5C	WO	BA5C-WO55-0915-1	L1678061-6	9/22/2015 11:49	N
22091501			BA5C	WO	BA5C-WO58-0915-1	L1678061-7	9/22/2015 11:23	N
22091501			BA5C	WO	BA5C-WO58-0915-2	L1678061-8	9/22/2015 11:34	FD
22091501			BA5DC	WO	BA5DC-WO20-0915-1	L1678061-12	9/22/2015 13:00	N
22091501			BA5DC	WO	BA5DC-WO35-0915-1	L1678061-13	9/22/2015 12:51	N
22091501			BA5DC	WO	BA5DC-WO38-0915-1	L1678061-14	9/22/2015 12:31	N
22091501			BA5DC	WO	BA5DC-WO38-0915-2	L1678061-15	9/22/2015 12:42	FD
22091501			BA5DC	WO	BA5DC-WO5-0915-1	L1678061-11	9/22/2015 13:07	N
22091501			BA6B	WO	BA6B-WO145-0915-1	L1678061-18	9/22/2015 13:37	N
22091501			BA6B	WO	BA6B-WO5-0915-1	L1678061-16	9/22/2015 14:08	N
22091501			BA6B	WO	BA6B-WO75-0915-1	L1678061-17	9/22/2015 13:57	N
22091501			BA6BC	WO	BA6BC-WO5-0915-1	L1678061-19	9/22/2015 14:43	N

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Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Field Batch Report

Test Method: E1668C		Extraction Method: METHOD		Leach Method: NONE				
EBLOT	TBLOT	ABLOT	LOCID	Matrix	FLDSAMPID	LABSAMPID	LOGDATE	SACODE
22091501			BA6BC	WO	BA6BC-WO50-0915-1	L1678061-20	9/22/2015 14:35	N
22091501			BA6BC	WO	BA6BC-WO95-0915-1	L1678061-21	9/22/2015 14:24	N
22091501			BA6C	WO	BA6C-WO30-0915-1	L1678061-23	9/22/2015 15:12	N
22091501			BA6C	WO	BA6C-WO5-0915-1	L1678061-22	9/22/2015 15:23	N
22091501			BA6DC	WO	BA6DC-WO35-0915-1	L1678061-26	9/22/2015 15:39	N
22091501			BA6DC	WO	BA6DC-WO5-0915-1	L1678061-24	9/22/2015 15:56	N
22091501			BA7DC	WO	BA7DC-WO20-0915-1	L1678061-28	9/22/2015 16:55	N
22091501			BA7DC	WO	BA7DC-WO35-0915-1	L1678061-29	9/22/2015 16:47	N
22091501			BA7DC	WO	BA7DC-WO38-0915-1	L1678061-30	9/22/2015 16:13	FR
22091501			BA7DC	WO	BA7DC-WO38-0915-2	L1678061-31	9/22/2015 16:26	FD
22091501			BA7DC	WO	BA7DC-WO38-0915-2	L1678061-31	9/22/2015 16:26	N
22091501			BA7DC	WO	BA7DC-WO38-0915-3	L1678061-32	9/22/2015 16:36	FD
22091501			BA7DC	WO	BA7DC-WO38-0915-3	L1678061-32	9/22/2015 16:36	N
22091501			BA7DC	WO	BA7DC-WO5-0915-1	L1678061-27	9/22/2015 17:03	N
22091501			FIELDQC	WQ	WQ-ER2-0915-1	L1678061-10	9/22/2015 18:50	EB
22091501			W2	WO	W2-WO100-0915-1	L1678061-34	9/23/2015 09:39	N
22091501			W2	WO	W2-WO195-0915-1	L1678061-35	9/23/2015 10:36	N
22091501			W2	WO	W2-WO198-0915-1	L1678061-36	9/23/2015 09:56	N
22091501			W2	WO	W2-WO5-0915-1	L1678061-33	9/23/2015 10:48	N
22091501			W3	WO	W3-WO195-0915-1	L1678061-9	9/22/2015 09:49	N

Test Method: E1699		Extraction Method: METHOD		Leach Method: NONE				
EBLOT	TBLOT	ABLOT	LOCID	Matrix	FLDSAMPID	LABSAMPID	LOGDATE	SACODE
22091501			BA1DC	WO	BA1DC-WO5-0915-1	L1678061-43	9/23/2015 11:48	N
22091501			BA1DC	WO	BA1DC-WO5-0915-2	L1678061-44	9/23/2015 11:53	FD
22091501			BA2B	WO	BA2B-WO145-0915-1	L1678061-45	9/23/2015 12:28	N
22091501			BA2C	WO	BA2C-WO5-0915-1	L1678061-46	9/23/2015 12:43	N

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Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery
Component Palos Verdes Shelf, Los Angeles County, California

Field Batch Report

Test Method: E1699		Extraction Method: METHOD		Leach Method: NONE				
EBLOT	TBLOT	ABLOT	LOCID	Matrix	FLDSAMPID	LABSAMPID	LOGDATE	SACODE
22091501			BA3B	WO	BA3B-WO145-0915-1	L1678061-42	9/23/2015 13:12	N
22091501			BA3B	WO	BA3B-WO5-0915-1	L1678061-40	9/23/2015 13:22	N
22091501			BA3B	WO	BA3B-WO80-0915-1	L1678061-41	9/23/2015 13:00	N
22091501			BA4DC	WO	BA4DC-WO20-0915-1	L1678061-38	9/23/2015 13:39	N
22091501			BA4DC	WO	BA4DC-WO35-0915-1	L1678061-39	9/23/2015 13:46	N
22091501			BA4DC	WO	BA4DC-WO5-0915-1	L1678061-37	9/23/2015 13:52	N
22091501			BA5B	WO	BA5B-WO145-0915-1	L1678061-3	9/22/2015 10:58	N
22091501			BA5B	WO	BA5B-WO5-0915-1	L1678061-1	9/22/2015 10:32	N
22091501			BA5B	WO	BA5B-WO75-0915-1	L1678061-2	9/22/2015 10:42	N
22091501			BA5C	WO	BA5C-WO30-0915-1	L1678061-5	9/22/2015 11:59	N
22091501			BA5C	WO	BA5C-WO5-0915-1	L1678061-4	9/22/2015 11:14	N
22091501			BA5C	WO	BA5C-WO55-0915-1	L1678061-6	9/22/2015 11:49	N
22091501			BA5C	WO	BA5C-WO58-0915-1	L1678061-7	9/22/2015 11:23	N
22091501			BA5C	WO	BA5C-WO58-0915-2	L1678061-8	9/22/2015 11:34	FD
22091501			BA5DC	WO	BA5DC-WO20-0915-1	L1678061-12	9/22/2015 13:00	N
22091501			BA5DC	WO	BA5DC-WO35-0915-1	L1678061-13	9/22/2015 12:51	N
22091501			BA5DC	WO	BA5DC-WO38-0915-1	L1678061-14	9/22/2015 12:31	N
22091501			BA5DC	WO	BA5DC-WO38-0915-2	L1678061-15	9/22/2015 12:42	FD
22091501			BA5DC	WO	BA5DC-WO5-0915-1	L1678061-11	9/22/2015 13:07	N
22091501			BA6B	WO	BA6B-WO145-0915-1	L1678061-18	9/22/2015 13:37	N
22091501			BA6B	WO	BA6B-WO5-0915-1	L1678061-16	9/22/2015 14:08	N
22091501			BA6B	WO	BA6B-WO75-0915-1	L1678061-17	9/22/2015 13:57	N
22091501			BA6BC	WO	BA6BC-WO5-0915-1	L1678061-19	9/22/2015 14:43	N
22091501			BA6BC	WO	BA6BC-WO50-0915-1	L1678061-20	9/22/2015 14:35	N
22091501			BA6BC	WO	BA6BC-WO95-0915-1	L1678061-21	9/22/2015 14:24	N
22091501			BA6C	WO	BA6C-WO30-0915-1	L1678061-23	9/22/2015 15:12	N
22091501			BA6C	WO	BA6C-WO5-0915-1	L1678061-22	9/22/2015 15:23	N
22091501			BA6DC	WO	BA6DC-WO35-0915-1	L1678061-26	9/22/2015 15:39	N

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Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Field Batch Report

Test Method: E1699		Extraction Method: METHOD		Leach Method: NONE				
EBLOT	TBLOT	ABLOT	LOCID	Matrix	FLDSAMPID	LABSAMPID	LOGDATE	SACODE
22091501			BA6DC	WO	BA6DC-WO5-0915-1	L1678061-24	9/22/2015 15:56	N
22091501			BA7DC	WO	BA7DC-WO20-0915-1	L1678061-28	9/22/2015 16:55	N
22091501			BA7DC	WO	BA7DC-WO35-0915-1	L1678061-29	9/22/2015 16:47	N
22091501			BA7DC	WO	BA7DC-WO38-0915-1	L1678061-30	9/22/2015 16:13	FR
22091501			BA7DC	WO	BA7DC-WO38-0915-2	L1678061-31	9/22/2015 16:26	FD
22091501			BA7DC	WO	BA7DC-WO38-0915-2	L1678061-31	9/22/2015 16:26	N
22091501			BA7DC	WO	BA7DC-WO38-0915-3	L1678061-32	9/22/2015 16:36	FD
22091501			BA7DC	WO	BA7DC-WO38-0915-3	L1678061-32	9/22/2015 16:36	N
22091501			BA7DC	WO	BA7DC-WO5-0915-1	L1678061-27	9/22/2015 17:03	N
22091501			FIELDQC	WQ	WQ-ER2-0915-1	L1678061-10	9/22/2015 18:50	EB
22091501			W2	WO	W2-WO100-0915-1	L1678061-34	9/23/2015 09:39	N
22091501			W2	WO	W2-WO195-0915-1	L1678061-35	9/23/2015 10:36	N
22091501			W2	WO	W2-WO198-0915-1	L1678061-36	9/23/2015 09:56	N
22091501			W2	WO	W2-WO5-0915-1	L1678061-33	9/23/2015 10:48	N
22091501			W3	WO	W3-WO195-0915-1	L1678061-9	9/22/2015 09:49	N

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EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

QC Outlier Report

Test Method: E1668C		Extraction Method: METHOD		Leach Method: NONE							
QC Element	Sample ID/ Lab Sample ID	Run#/ Dil'n	Analyte	Result (Units)	Qualifier	Warning Limits	Control Limits	Reason	Comment	Rule	Action Level
Blank	WG2180014-1 (LB) / WG2180014-1	1 / 1.00	2,2',3,4,4',5,5'- HEPTACHLOROBIPHENYL	0.290 (PG/L)	*U/None	< 0.17	< 16	B1		1	0.290
Blank	WG2180014-1 (LB) / WG2180014-1	1 / 1.00	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	0.790 (PG/L)	*U/None	< 0.22	< 16	B1		1	0.790
Blank	WG2180014-1 (LB) / WG2180014-1	1 / 1.00	2,2',3,4',5',6'-HEXACHLOROBIPHENYL	0.520 (PG/L)	*U/None	< 0.22	< 16	B1		1	0.520
Blank	WG2180014-1 (LB) / WG2180014-1	1 / 1.00	2,2',3,5'-TETRACHLOROBIPHENYL	3.07 (PG/L)	*U/None	< 0.28	< 16	B1		1	3.07
Blank	WG2180014-1 (LB) / WG2180014-1	1 / 1.00	2,2',4,5,5'-PENTACHLOROBIPHENYL	0.910 (PG/L)	*U/None	< 0.28	< 16	B1		1	0.910
Blank	WG2180014-1 (LB) / WG2180014-1	1 / 1.00	2,2',4,5'-TETRACHLOROBIPHENYL	0.780 (PG/L)	*U/None	< 0.26	< 16	B1		1	0.780
Blank	WG2180014-1 (LB) / WG2180014-1	1 / 1.00	2,2',5,5'-TETRACHLOROBIPHENYL	1.99 (PG/L)	*U/None	< 0.32	< 16	B1		1	1.99
Blank	WG2180014-1 (LB) / WG2180014-1	1 / 1.00	2,2',5-TRICHLOROBIPHENYL	2.70 (PG/L)	*U/None	< 0.36	< 16	B1		1	2.70
Blank	WG2180014-1 (LB) / WG2180014-1	1 / 1.00	2,3,3',4,4'-PENTACHLOROBIPHENYL	0.350 (PG/L)	*U/None	< 0.25	< 16	B1		1	0.350
Blank	WG2180014-1 (LB) / WG2180014-1	1 / 1.00	2,3,3',4',6'-PENTACHLOROBIPHENYL	0.640 (PG/L)	*U/None	< 0.24	< 16	B1		1	0.640
Blank	WG2180014-1 (LB) / WG2180014-1	1 / 1.00	2,3',4,4',5'-PENTACHLOROBIPHENYL	0.640 (PG/L)	*U/None	< 0.25	< 16	B1		1	0.640
Blank	WG2180014-1 (LB) / WG2180014-1	1 / 1.00	2,3',4,4'-TETRACHLOROBIPHENYL	0.720 (PG/L)	*U/None	< 0.42	< 16	B1		1	0.720
Blank	WG2180014-1 (LB) / WG2180014-1	1 / 1.00	2,4,4'-TRICHLOROBIPHENYL	3.55 (PG/L)	*U/None	< 0.4	< 16	B1		1	3.55
Blank	WG2180014-1 (LB) / WG2180014-1	1 / 1.00	2,4',5-TRICHLOROBIPHENYL	2.90 (PG/L)	*U/None	< 0.41	< 16	B1		1	2.90
Blank	WG2180014-1 (LB) / WG2180014-1	1 / 1.00	2,4'-DICHLOROBIPHENYL	20.0 (PG/L)	*U/None	< 1.8	< 16	B1		1	20.0
Blank	WG2180014-1 (LB) / WG2180014-1	1 / 1.00	3,4,4'-TRICHLOROBIPHENYL	1.12 (PG/L)	*U/None	< 0.44	< 16	B1		1	1.12
Blank	WG2180279-1 (LB) / WG2180279-1	1 / 1.00	2,2',3,5'-TETRACHLOROBIPHENYL	5.02 (PG/L)	*U/None	< 0.93	< 16	B1		1	5.02
Blank	WG2180279-1 (LB) / WG2180279-1	1 / 1.00	2,2',5,5'-TETRACHLOROBIPHENYL	2.00 (PG/L)	*U/None	< 1.1	< 16	B1		1	2.00

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Blank	WG2180279-1 (LB) / WG2180279-1	1 / 1.00	2,3,3',4',6-PENTACHLOROBIPHENYL	1.30 (PG/L)	*U/None	< 0.73	< 16	B1	1	1.30
Blank	WG2180473-1 (LB) / WG2180473-1	1 / 1.00	2,2',3,3',4,4',5- HEPTACHLOROBIPHENYL	0.380 (PG/L)	*U/None	< 0.22	< 16	B1	1	0.380
Blank	WG2180473-1 (LB) / WG2180473-1	1 / 1.00	2,2',3,3',4,4'-HEXACHLOROBIPHENYL	0.260 (PG/L)	*U/None	< 0.2	< 16	B1	1	0.260
Blank	WG2180473-1 (LB) / WG2180473-1	1 / 1.00	2,2',3,4,4',5,5'- HEPTACHLOROBIPHENYL	0.530 (PG/L)	*U/None	< 0.18	< 16	B1	1	0.530
Blank	WG2180473-1 (LB) / WG2180473-1	1 / 1.00	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	1.57 (PG/L)	*U/None	< 0.21	< 16	B1	1	1.57
Blank	WG2180473-1 (LB) / WG2180473-1	1 / 1.00	2,2',3,4',5,5',6- HEPTACHLOROBIPHENYL	0.240 (PG/L)	*U/None	< 0.18	< 16	B1	1	0.240
Blank	WG2180473-1 (LB) / WG2180473-1	1 / 1.00	2,2',3,4',5',6-HEXACHLOROBIPHENYL	1.23 (PG/L)	*U/None	< 0.21	< 16	B1	1	1.23
Blank	WG2180473-1 (LB) / WG2180473-1	1 / 1.00	2,2',3,5'-TETRACHLOROBIPHENYL	5.30 (PG/L)	*U/None	< 0.37	< 16	B1	1	5.30
Blank	WG2180473-1 (LB) / WG2180473-1	1 / 1.00	2,2',4,4',5-PENTACHLOROBIPHENYL	0.720 (PG/L)	*U/None	< 0.28	< 16	B1	1	0.720
Blank	WG2180473-1 (LB) / WG2180473-1	1 / 1.00	2,2',4,5,5'-PENTACHLOROBIPHENYL	1.81 (PG/L)	*U/None	< 0.26	< 16	B1	1	1.81
Blank	WG2180473-1 (LB) / WG2180473-1	1 / 1.00	2,2',4,5'-TETRACHLOROBIPHENYL	1.34 (PG/L)	*U/None	< 0.35	< 16	B1	1	1.34
Blank	WG2180473-1 (LB) / WG2180473-1	1 / 1.00	2,2',5,5'-TETRACHLOROBIPHENYL	3.61 (PG/L)	*U/None	< 0.45	< 16	B1	1	3.61
Blank	WG2180473-1 (LB) / WG2180473-1	1 / 1.00	2,2',5-TRICHLOROBIPHENYL	3.60 (PG/L)	*U/None	< 0.42	< 16	B1	1	3.60
Blank	WG2180473-1 (LB) / WG2180473-1	1 / 1.00	2,3,3',4,4',5- Hexachlorobiphenyl/2,3,3',4,4',5'- Hexachlorobiphenyl	0.380 (PG/L)	*U/None	< 0.22	< 32	B1	1	0.380
Blank	WG2180473-1 (LB) / WG2180473-1	1 / 1.00	2,3,3',4,4'-PENTACHLOROBIPHENYL	0.590 (PG/L)	*U/None	< 0.24	< 16	B1	1	0.590
Blank	WG2180473-1 (LB) / WG2180473-1	1 / 1.00	2,3,3',4',6-PENTACHLOROBIPHENYL	2.50 (PG/L)	*U/None	< 0.22	< 16	B1	1	2.50
Blank	WG2180473-1 (LB) / WG2180473-1	1 / 1.00	2,3',4,4',5-PENTACHLOROBIPHENYL	1.34 (PG/L)	*U/None	< 0.23	< 16	B1	1	1.34
Blank	WG2180473-1 (LB) / WG2180473-1	1 / 1.00	2,3',4,4'-TETRACHLOROBIPHENYL	1.28 (PG/L)	*U/None	< 0.29	< 16	B1	1	1.28
Blank	WG2180473-1 (LB) / WG2180473-1	1 / 1.00	2,4,4'-TRICHLOROBIPHENYL	4.57 (PG/L)	*U/None	< 0.38	< 16	B1	1	4.57
Blank	WG2180473-1 (LB) / WG2180473-1	1 / 1.00	2,4',5-TRICHLOROBIPHENYL	3.64 (PG/L)	*U/None	< 0.38	< 16	B1	1	3.64

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Blank	WG2180473-1 (LB) / WG2180473-1	1 / 1.00	3,4,4'-TRICHLOROBIPHENYL	1.56 (PG/L)	*U/None	< 0.46	< 16	B1	1	1.56
Equipment Blank	WQ-ER2-0915-1 (EB) / L1678061-10	1 / 1.00	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	0.890 (PG/L)	*U/None	< 0.37	< 15.355	K1	1	0.890
Equipment Blank	WQ-ER2-0915-1 (EB) / L1678061-10	1 / 1.00	2,2',3,4',5',6'-HEXACHLOROBIPHENYL	0.500 (PG/L)	*U/None	< 0.33	< 15.355	K1	1	0.500
Equipment Blank	WQ-ER2-0915-1 (EB) / L1678061-10	1 / 1.00	2,2',3,5'-TETRACHLOROBIPHENYL	2.54 (PG/L)	*U/None	< 0.53	< 15.355	K1	1	2.54
Equipment Blank	WQ-ER2-0915-1 (EB) / L1678061-10	1 / 1.00	2,2',4,5,5'-PENTACHLOROBIPHENYL	0.750 (PG/L)	*U/None	< 0.69	< 15.355	K1	1	0.750
Equipment Blank	WQ-ER2-0915-1 (EB) / L1678061-10	1 / 1.00	2,2',4,5'-TETRACHLOROBIPHENYL	0.780 (PG/L)	*U/None	< 0.48	< 15.355	K1	1	0.780
Equipment Blank	WQ-ER2-0915-1 (EB) / L1678061-10	1 / 1.00	2,2',5,5'-TETRACHLOROBIPHENYL	1.80 (PG/L)	*U/None	< 0.66	< 15.355	K1	1	1.80
Equipment Blank	WQ-ER2-0915-1 (EB) / L1678061-10	1 / 1.00	2,3,3',4',6'-PENTACHLOROBIPHENYL	1.00 (PG/L)	*U/None	< 0.61	< 15.355	K1	1	1.00
Equipment Blank	WQ-ER2-0915-1 (EB) / L1678061-10	1 / 1.00	2,3',4,4',5'-PENTACHLOROBIPHENYL	1.12 (PG/L)	*U/None	< 0.45	< 15.355	K1	1	1.12
Field Duplicate	L1678061-15 (N) / L1678061-15	1 / 1.00	2,2',3,3',4,4'-HEXACHLOROBIPHENYL	200 (RPD)	J/UJ	< 40	< 80	D5	<5X MDL, 1X Rule - Flag D5	
Field Duplicate	L1678061-15 (N) / L1678061-15	1 / 1.00	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	46.5 (RPD)	J/UJ	< 40	< 80	D5		
Field Duplicate	L1678061-31 (N) / L1678061-31	1 / 1.00	2,2',3,3',4,4',5,6- OCTACHLOROBIPHENYL	200 (RPD)	J/UJ	< 40	< 80	D5	<5X MDL, 1X Rule - Flag D5	
Field Duplicate	L1678061-31 (N) / L1678061-31	1 / 1.00	2,2',3,3',4,4',5- HEPTACHLOROBIPHENYL	90.4 (RPD)	J/UJ	< 40	< 80	D5		
Field Duplicate	L1678061-31 (N) / L1678061-31	1 / 1.00	2,2',3,4,4',5,5'- HEPTACHLOROBIPHENYL	52.4 (RPD)	J/UJ	< 40	< 80	D5		
Field Duplicate	L1678061-31 (N) / L1678061-31	1 / 1.00	2,2',3,4,4',5,5'- HEPTACHLOROBIPHENYL	56.0 (RPD)	J/UJ	< 40	< 80	D5		
Field Duplicate	L1678061-31 (N) / L1678061-31	1 / 1.00	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	51.3 (RPD)	J/UJ	< 40	< 80	D5		
Field Duplicate	L1678061-31 (N) / L1678061-31	1 / 1.00	2,2',3,4',5,5',6- HEPTACHLOROBIPHENYL	47.9 (RPD)	J/UJ	< 40	< 80	D5		
Field Duplicate	L1678061-31 (N) / L1678061-31	1 / 1.00	2,2',3,4',5,5',6- HEPTACHLOROBIPHENYL	52.6 (RPD)	J/UJ	< 40	< 80	D5		
Field Duplicate	L1678061-31 (N) / L1678061-31	1 / 1.00	2,2',3,4',5',6'-HEXACHLOROBIPHENYL	200 (RPD)	J/UJ	< 40	< 80	D5	<5X MDL, 1X Rule - Flag D5	
Field Duplicate	L1678061-31 (N) / L1678061-31	1 / 1.00	2,3,3',4,4',5- Hexachlorobiphenyl/2,3,3',4,4',5'- Hexachlorobiphenyl	82.0 (RPD)	J/UJ	< 40	< 80	D5		

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Field Duplicate	L1678061-31 (N) / L1678061-31	1 / 1.00	2,3,3',4,4'-PENTACHLOROBIPHENYL	54.4 (RPD)	J/UJ	< 40	< 80	D5	
Field Duplicate	L1678061-31 (N) / L1678061-31	1 / 1.00	2,3,3',4,4'-PENTACHLOROBIPHENYL	89.4 (RPD)	J/UJ	< 40	< 80	D5	
Field Duplicate	L1678061-31 (N) / L1678061-31	1 / 1.00	2,3,3',4',6-PENTACHLOROBIPHENYL	42.4 (RPD)	J/UJ	< 40	< 80	D5	
Field Duplicate	L1678061-31 (N) / L1678061-31	1 / 1.00	2,3,4,4',5-PENTACHLOROBIPHENYL	200 (RPD)	J/UJ	< 40	< 80	D5	RPD FR/NS: <5X MDL, 1X Rule - Flag D5
Field Duplicate	L1678061-31 (N) / L1678061-31	1 / 1.00	2',3,4,4',5-PENTACHLOROBIPHENYL	200 (RPD)	J/UJ	< 40	< 80	D5	RPD FD/NS: <5X MDL, 1X Rule - Flag D5
Field Duplicate	L1678061-31 (N) / L1678061-31	1 / 1.00	2,3',4,4',5-PENTACHLOROBIPHENYL	40.2 (RPD)	J/UJ	< 40	< 80	D5	
Field Duplicate	L1678061-31 (N) / L1678061-31	1 / 1.00	2,3',4,4'-TETRACHLOROBIPHENYL	46.5 (RPD)	J/UJ	< 40	< 80	D5	
Field Duplicate	L1678061-31 (N) / L1678061-31	1 / 1.00	3,3',4,4'-TETRACHLOROBIPHENYL	131 (RPD)	J/UJ	< 40	< 80	D5	
Field Duplicate	L1678061-31 (N) / L1678061-31	1 / 1.00	3,3',4,4'-TETRACHLOROBIPHENYL	92.1 (RPD)	J/UJ	< 40	< 80	D5	
Field Duplicate	L1678061-31 (N) / L1678061-31	1 / 1.00	3,4,4'-TRICHLOROBIPHENYL	59.4 (RPD)	J/UJ	< 40	< 80	D5	
Field Duplicate	L1678061-31 (N) / L1678061-31	1 / 1.00	3,4,4'-TRICHLOROBIPHENYL	62.3 (RPD)	J/UJ	< 40	< 80	D5	
Field Duplicate	L1678061-44 (N) / L1678061-44	1 / 1.00	2,2',3,3',4,4',5- HEPTACHLOROBIPHENYL	200 (RPD)	J/UJ	< 40	< 80	D5	<5X MDL, 1X Rule - Flag D5
Field Duplicate	L1678061-44 (N) / L1678061-44	1 / 1.00	3,3',4,4'-TETRACHLOROBIPHENYL	200 (RPD)	J/UJ	< 40	< 80	D5	<5X MDL, 1X Rule - Flag D5
Field Duplicate	L1678061-8 (N) / L1678061-8	1 / 1.00	2,2',3,4,4',5,5'- HEPTACHLOROBIPHENYL	200 (RPD)	J/UJ	< 40	< 80	D5	<5X MDL, 1X Rule - Flag D5
Field Duplicate	L1678061-8 (N) / L1678061-8	1 / 1.00	2,3',4,4'-TETRACHLOROBIPHENYL	44.1 (RPD)	J/UJ	< 40	< 80	D5	
Prep Hold Time	BA1B-WO145-0915-1 (N) / L1678061-49	1 / 1.00	All in Run	65.7 (Days)	J/UJ	< 40	< 80	H2	Analyzed within 1-year holding time. Qualifier Removed.
Prep Hold Time	BA1B-WO5-0915-1 (N) / L1678061-47	1 / 1.00	All in Run	65.6 (Days)	J/UJ	< 40	< 80	H2	Analyzed within 1-year holding time. Qualifier Removed.

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Prep Hold Time	BA1B-WO75-0915-1 (N) / L1678061-48	1 / 1.00	All in Run	65.7 (Days)	J/UJ	< 40	< 80	H2	Analyzed within 1-year holding time. Qualifier Removed.
Prep Hold Time	BA1DC-WO5-0915-1 (N) / L1678061-43	1 / 1.00	All in Run	67.1 (Days)	J/UJ	< 40	< 80	H2	Analyzed within 1-year holding time. Qualifier Removed.
Prep Hold Time	BA1DC-WO5-0915-2 (FD) / L1678061-44	1 / 1.00	All in Run	11.5 (Days)	J/UJ	< 7	< 14	H2	Analyzed within 1-year holding time. Qualifier Removed.
Prep Hold Time	BA1DC-WO5-0915-2 (FD) / L1678061-44	1 / 1.00	All in Run	67.2 (Days)	J/UJ	< 40	< 80	H2	Analyzed within 1-year holding time. Qualifier Removed.
Prep Hold Time	BA2B-WO145-0915-1 (N) / L1678061-45	1 / 1.00	All in Run	67.2 (Days)	J/UJ	< 40	< 80	H2	Analyzed within 1-year holding time. Qualifier Removed.
Prep Hold Time	BA2C-WO5-0915-1 (N) / L1678061-46	1 / 1.00	All in Run	67.2 (Days)	J/UJ	< 40	< 80	H2	Analyzed within 1-year holding time. Qualifier Removed.
Prep Hold Time	BA3B-WO145-0915-1 (N) / L1678061-42	1 / 1.00	All in Run	67.1 (Days)	J/UJ	< 40	< 80	H2	Analyzed within 1-year holding time. Qualifier Removed.
Prep Hold Time	BA3B-WO5-0915-1 (N) / L1678061-40	1 / 1.00	All in Run	67.1 (Days)	J/UJ	< 40	< 80	H2	Analyzed within 1-year holding time. Qualifier Removed.

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Prep Hold Time	BA3B-WO80-0915-1 (N) / L1678061-41	1 / 1.00	All in Run	67.1 (Days)	J/UJ	< 40	< 80	H2	Analyzed within 1-year holding time. Qualifier Removed.
Prep Hold Time	BA4DC-WO20-0915-1 (N) / L1678061-38	1 / 1.00	All in Run	65.9 (Days)	J/UJ	< 40	< 80	H2	Analyzed within 1-year holding time. Qualifier Removed.
Prep Hold Time	BA4DC-WO35-0915-1 (N) / L1678061-39	1 / 1.00	All in Run	67.0 (Days)	J/UJ	< 40	< 80	H2	Analyzed within 1-year holding time. Qualifier Removed.
Prep Hold Time	BA4DC-WO5-0915-1 (N) / L1678061-37	1 / 1.00	All in Run	65.9 (Days)	J/UJ	< 40	< 80	H2	Analyzed within 1-year holding time. Qualifier Removed.
Prep Hold Time	BA5B-WO145-0915-1 (N) / L1678061-3	1 / 1.00	All in Run	56.0 (Days)	J/UJ	< 40	< 80	H2	Analyzed within 1-year holding time. Qualifier Removed.
Prep Hold Time	BA5B-WO5-0915-1 (N) / L1678061-1	1 / 1.00	All in Run	55.9 (Days)	J/UJ	< 40	< 80	H2	Analyzed within 1-year holding time. Qualifier Removed.
Prep Hold Time	BA5B-WO75-0915-1 (N) / L1678061-2	1 / 1.00	All in Run	56.0 (Days)	J/UJ	< 40	< 80	H2	Analyzed within 1-year holding time. Qualifier Removed.
Prep Hold Time	BA5C-WO30-0915-1 (N) / L1678061-5	1 / 1.00	All in Run	56.0 (Days)	J/UJ	< 40	< 80	H2	Analyzed within 1-year holding time. Qualifier Removed.

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Prep Hold Time	BA5C-WO5-0915-1 (N) / L1678061-4	1 / 1.00	All in Run	56.0 (Days)	J/UJ	< 40	< 80	H2	Analyzed within 1-year holding time. Qualifier Removed.
Prep Hold Time	BA5C-WO55-0915-1 (N) / L1678061-6	1 / 1.00	All in Run	56.1 (Days)	J/UJ	< 40	< 80	H2	Analyzed within 1-year holding time. Qualifier Removed.
Prep Hold Time	BA5C-WO58-0915-1 (N) / L1678061-7	1 / 1.00	All in Run	56.2 (Days)	J/UJ	< 40	< 80	H2	Analyzed within 1-year holding time. Qualifier Removed.
Prep Hold Time	BA5C-WO58-0915-2 (FD) / L1678061-8	1 / 1.00	All in Run	56.3 (Days)	J/UJ	< 40	< 80	H2	Analyzed within 1-year holding time. Qualifier Removed.
Prep Hold Time	BA5DC-WO20-0915-1 (N) / L1678061-12	1 / 1.00	All in Run	56.4 (Days)	J/UJ	< 40	< 80	H2	Analyzed within 1-year holding time. Qualifier Removed.
Prep Hold Time	BA5DC-WO35-0915-1 (N) / L1678061-13	1 / 1.00	All in Run	56.4 (Days)	J/UJ	< 40	< 80	H2	Analyzed within 1-year holding time. Qualifier Removed.
Prep Hold Time	BA5DC-WO38-0915-1 (N) / L1678061-14	1 / 1.00	All in Run	56.4 (Days)	J/UJ	< 40	< 80	H2	Analyzed within 1-year holding time. Qualifier Removed.
Prep Hold Time	BA5DC-WO38-0915-2 (FD) / L1678061-15	1 / 1.00	All in Run	56.4 (Days)	J/UJ	< 40	< 80	H2	Analyzed within 1-year holding time. Qualifier Removed.

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Prep Hold Time	BA5DC-WO5-0915-1 (N) / L1678061-11	1 / 1.00	All in Run	56.3 (Days)	J/UJ	< 40	< 80	H2	Analyzed within 1-year holding time. Qualifier Removed.
Prep Hold Time	BA6BC-WO50-0915-1 (N) / L1678061-20	1 / 1.00	All in Run	66.2 (Days)	J/UJ	< 40	< 80	H2	Analyzed within 1-year holding time. Qualifier Removed.
Prep Hold Time	BA6BC-WO5-0915-1 (N) / L1678061-19	1 / 1.00	All in Run	66.1 (Days)	J/UJ	< 40	< 80	H2	Analyzed within 1-year holding time. Qualifier Removed.
Prep Hold Time	BA6BC-WO95-0915-1 (N) / L1678061-21	1 / 1.00	All in Run	66.2 (Days)	J/UJ	< 40	< 80	H2	Analyzed within 1-year holding time. Qualifier Removed.
Prep Hold Time	BA6B-WO145-0915-1 (N) / L1678061-18	1 / 1.00	All in Run	66.1 (Days)	J/UJ	< 40	< 80	H2	Analyzed within 1-year holding time. Qualifier Removed.
Prep Hold Time	BA6B-WO5-0915-1 (N) / L1678061-16	1 / 1.00	All in Run	66.1 (Days)	J/UJ	< 40	< 80	H2	Analyzed within 1-year holding time. Qualifier Removed.
Prep Hold Time	BA6B-WO75-0915-1 (N) / L1678061-17	1 / 1.00	All in Run	66.1 (Days)	J/UJ	< 40	< 80	H2	Analyzed within 1-year holding time. Qualifier Removed.
Prep Hold Time	BA6C-WO30-0915-1 (N) / L1678061-23	1 / 1.00	All in Run	66.3 (Days)	J/UJ	< 40	< 80	H2	Analyzed within 1-year holding time. Qualifier Removed.

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Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery
Component Palos Verdes Shelf, Los Angeles County, California

Prep Hold Time	BA6C-WO5-0915-1 (N) / L1678061-22	1 / 1.00	All in Run	66.2 (Days)	J/UJ	< 40	< 80	H2	Analyzed within 1-year holding time. Qualifier Removed.
Prep Hold Time	BA6DC-WO35-0915-1 (N) / L1678061-26	1 / 1.00	All in Run	65.7 (Days)	J/UJ	< 40	< 80	H2	Analyzed within 1-year holding time. Qualifier Removed.
Prep Hold Time	BA6DC-WO5-0915-1 (N) / L1678061-24	1 / 1.00	All in Run	66.3 (Days)	J/UJ	< 40	< 80	H2	Analyzed within 1-year holding time. Qualifier Removed.
Prep Hold Time	BA7DC-WO20-0915-1 (N) / L1678061-28	1 / 1.00	All in Run	65.6 (Days)	J/UJ	< 40	< 80	H2	Analyzed within 1-year holding time. Qualifier Removed.
Prep Hold Time	BA7DC-WO35-0915-1 (N) / L1678061-29	1 / 1.00	All in Run	67.9 (Days)	J/UJ	< 40	< 80	H2	Analyzed within 1-year holding time. Qualifier Removed.
Prep Hold Time	BA7DC-WO38-0915-1 (N) / L1678061-30	1 / 1.00	All in Run	82.3 (Days)	J/R	< 40	< 80	H2	Analyzed within 1-year holding time. Qualifier Removed.
Prep Hold Time	BA7DC-WO38-0915-2 (FD) / L1678061-31	1 / 1.00	All in Run	68.0 (Days)	J/UJ	< 40	< 80	H2	Analyzed within 1-year holding time. Qualifier Removed.
Prep Hold Time	BA7DC-WO38-0915-3 (N) / L1678061-32	1 / 1.00	All in Run	68.0 (Days)	J/UJ	< 40	< 80	H2	Analyzed within 1-year holding time. Qualifier Removed.

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Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Prep Hold Time	BA7DC-WO5-0915-1 (N) / L1678061-27	1 / 1.00	All in Run	66.3 (Days)	J/UJ	< 40	< 80	H2	Analyzed within 1-year holding time. Qualifier Removed.
Prep Hold Time	W2-WO100-0915-1 (N) / L1678061-34	1 / 1.00	All in Run	65.8 (Days)	J/UJ	< 40	< 80	H2	Analyzed within 1-year holding time. Qualifier Removed.
Prep Hold Time	W2-WO195-0915-1 (N) / L1678061-35	1 / 1.00	All in Run	65.8 (Days)	J/UJ	< 40	< 80	H2	Analyzed within 1-year holding time. Qualifier Removed.
Prep Hold Time	W2-WO198-0915-1 (N) / L1678061-36	1 / 1.00	All in Run	65.8 (Days)	J/UJ	< 40	< 80	H2	Analyzed within 1-year holding time. Qualifier Removed.
Prep Hold Time	W2-WO5-0915-1 (N) / L1678061-33	1 / 1.00	All in Run	65.8 (Days)	J/UJ	< 40	< 80	H2	Analyzed within 1-year holding time. Qualifier Removed.
Prep Hold Time	W3-WO195-0915-1 (N) / L1678061-9	1 / 1.00	All in Run	56.3 (Days)	J/UJ	< 40	< 80	H2	Analyzed within 1-year holding time. Qualifier Removed.
Prep Hold Time	WQ-ER2-0915-1 (EB) / L1678061-10	1 / 1.00	All in Run	56.3 (Days)	J/UJ	< 40	< 80	H2	Analyzed within 1-year holding time. Qualifier Removed.
Surrogate	BA3B-WO5-0915-1 (N) / L1678061-40	1 / 1.00	2,2'-DICHLOROBIPHENYL-C13	1.00 (PERCENT)	J/UJ	5 - 145	< 155	S	Not associated with project analytes. Qualifier Removed.

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Surrogate	BA3B-WO5-0915-1 (N) / L1678061-40	1 / 1.00	2-MONOCHLOROBIPHENYL-C13	0.00 (PERCENT)	J/R	10 - 145	5 - 155	S	Not associated with project analytes. Qualifier Removed.
Surrogate	BA3B-WO5-0915-1 (N) / L1678061-40	1 / 1.00	4-Chlorobophenyl-C13	0.00 (PERCENT)	J/R	10 - 145	5 - 155	S	Not associated with project analytes. Qualifier Removed.
Surrogate	BA4DC-WO35-0915-1 (N) / L1678061-39	1 / 1.00	2-MONOCHLOROBIPHENYL-C13	1.00 (PERCENT)	J/R	10 - 145	5 - 155	S	Not associated with project analytes. Qualifier Removed.
Surrogate	BA4DC-WO35-0915-1 (N) / L1678061-39	1 / 1.00	4-Chlorobophenyl-C13	3.00 (PERCENT)	J/R	10 - 145	5 - 155	S	Not associated with project analytes. Qualifier Removed.
Surrogate	BA5B-WO75-0915-1 (N) / L1678061-2	1 / 1.00	2-MONOCHLOROBIPHENYL-C13	6.00 (PERCENT)	J/UJ	10 - 145	5 - 155	S	Not associated with project analytes. Qualifier Removed.
Surrogate	BA5C-WO5-0915-1 (N) / L1678061-4	1 / 1.00	2-MONOCHLOROBIPHENYL-C13	1.00 (PERCENT)	J/R	10 - 145	5 - 155	S	Not associated with project analytes. Qualifier Removed.
Surrogate	BA5C-WO5-0915-1 (N) / L1678061-4	1 / 1.00	4-Chlorobophenyl-C13	2.00 (PERCENT)	J/R	10 - 145	5 - 155	S	Not associated with project analytes. Qualifier Removed.

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Component Palos Verdes Shelf, Los Angeles County, California

Surrogate	BA5C-WO55-0915-1 (N) / L1678061-6	1 / 1.00	2,2',3,3',5,5',6-HEPTACHLOROBIPHENYL-C13	196 (PERCENT)	J/None	10 - 145	5 - 155	S	Not associated with project analytes. Qualifier Removed.
Surrogate	BA5C-WO58-0915-2 (FD) / L1678061-8	1 / 1.00	2,2',3,3',5,5',6-HEPTACHLOROBIPHENYL-C13	190 (PERCENT)	J/None	10 - 145	5 - 155	S	Not associated with project analytes. Qualifier Removed.
Surrogate	BA5DC-WO35-0915-1 (N) / L1678061-13	1 / 1.00	2,2',4,6,6'-PENTACHLOROBIPHENYL-C13	7.00 (Percent)	J/UJ	10 - 145	< 155	S	Not associated with project analytes. Qualifier Removed.
Surrogate	BA5DC-WO35-0915-1 (N) / L1678061-13	1 / 1.00	2,2',6,6'-TETRACHLOROBIPHENYL-C13	1.00 (PERCENT)	J/R	10 - 145	5 - 155	S	Not associated with project analytes. Qualifier Removed.
Surrogate	BA5DC-WO35-0915-1 (N) / L1678061-13	1 / 1.00	3,4,4'-Trichlorobiphenyl-C13	4.00 (PERCENT)	J/UJ	5 - 145	< 155	S	Not associated with project analytes. Qualifier Removed.
Surrogate	BA6BC-WO5-0915-1 (N) / L1678061-19	1 / 1.00	2-MONOCHLOROBIPHENYL-C13	1.00 (PERCENT)	J/R	10 - 145	5 - 155	S	Not associated with project analytes. Qualifier Removed.
Surrogate	BA6BC-WO5-0915-1 (N) / L1678061-19	1 / 1.00	4-Chlorobiphenyl-C13	4.00 (PERCENT)	J/R	10 - 145	5 - 155	S	Not associated with project analytes. Qualifier Removed.

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Surrogate	BA6DC-WO35-0915-1 (N) / L1678061-26	1 / 1.00	2-MONOCHLOROBIPHENYL-C13	3.00 (PERCENT)	J/R	10 - 145	5 - 155	S	Not associated with project analytes. Qualifier Removed.	
Surrogate	BA6DC-WO35-0915-1 (N) / L1678061-26	1 / 1.00	4-Chlorobophenyl-C13	6.00 (PERCENT)	J/UJ	10 - 145	5 - 155	S	Not associated with project analytes. Qualifier Removed.	
Surrogate	W2-WO198-0915-1 (N) / L1678061-36	1 / 1.00	2-MONOCHLOROBIPHENYL-C13	2.00 (PERCENT)	J/R	10 - 145	5 - 155	S	Not associated with project analytes. Qualifier Removed.	
Surrogate	W2-WO198-0915-1 (N) / L1678061-36	1 / 1.00	4-Chlorobophenyl-C13	9.00 (PERCENT)	J/UJ	10 - 145	5 - 155	S	Not associated with project analytes. Qualifier Removed.	
Surrogate	WQ-ER2-0915-1 (EB) / L1678061-10	1 / 1.00	2-MONOCHLOROBIPHENYL-C13	1.00 (PERCENT)	J/R	10 - 145	5 - 155	S	Not associated with project analytes. Qualifier Removed.	
Surrogate	WQ-ER2-0915-1 (EB) / L1678061-10	1 / 1.00	4-Chlorobophenyl-C13	5.00 (PERCENT)	J/UJ	10 - 145	5 - 155	S	Not associated with project analytes. Qualifier Removed.	

Test Method: E1699		Extraction Method: METHOD		Leach Method: NONE							
QC Element	Sample ID/ Lab Sample ID	Run#/ Dil'n	Analyte	Result (Units)	Qualifier	Warning Limits	Control Limits	Reason	Comment	Rule	Action Level
Blank	WG2178898-1 (LB) / WG2178898-1	1 / 1.00	o,p'-DDD	0.00980 (NG/L)	*U/None	< 0.0049	< 0.024	B1		1	0.00980

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Blank	WG2178898-1 (LB) / WG2178898-1	1 / 1.00	p,p'-DDE	0.0169 (NG/L)	*U/None	< 0.0062	< 0.024	B1	1	0.0169
Blank	WG2180014-1 (LB) / WG2180014-1	1 / 1.00	p,p'-DDE	0.0109 (NG/L)	*U/None	< 0.002	< 0.024	B1	1	0.0109
Blank	WG2180279-1 (LB) / WG2180279-1	1 / 1.00	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.00150 (NG/L)	*U/None	< 0.00078	< 0.024	B1	1	0.00150
Blank	WG2180279-1 (LB) / WG2180279-1	1 / 1.00	p,p'-DDE	0.0214 (NG/L)	*U/None	< 0.0088	< 0.024	B1	1	0.0214
Equipment Blank	WQ-ER2-0915-1 (EB) / L1678061-10	1 / 1.00	p,p'-DDE	0.00940 (NG/L)	*U/None	< 0.0063	< 0.023	K1	1	0.00940
										Qualified as not-detected due to method blank contamination. Qualifier removed.
Field Duplicate	L1678061-15 (N) / L1678061-15	1 / 1.00	o,p'-DDT	200 (RPD)	J/None	< 30	< 60	D5		<5X MDL, 1X Rule - Flag D5
Field Duplicate	L1678061-15 (N) / L1678061-15	1 / 1.00	p,p'-DDT	200 (RPD)	J/None	< 30	< 60	D5		<5X MDL, 1X Rule - Flag D5
Field Duplicate	L1678061-31 (N) / L1678061-31	1 / 1.00	o,p'-DDD	37.3 (RPD)	J/None	< 30	< 60	D5		
LCS Recovery	WG2180014-2 (BS) / WG2180014-2	1 / 1.00	o,p'-DDD	130 (Percent)	J/None	50 - 120	10 - 130	L		
LCS Recovery	WG2180473-2 (BS) / WG2180473-2	1 / 1.00	o,p'-DDD	159 (Percent)	J/None	50 - 120	10 - 130	L		
Prep Hold Time	BA1B-WO145-0915-1 (N) / L1678061-49	1 / 1.00	All in Run	69.0 (Days)	J/UJ	< 40	< 80	H2		
Prep Hold Time	BA1B-WO5-0915-1 (N) / L1678061-47	1 / 1.00	All in Run	68.8 (Days)	J/UJ	< 40	< 80	H2		
Prep Hold Time	BA1B-WO75-0915-1 (N) / L1678061-48	1 / 1.00	All in Run	68.8 (Days)	J/UJ	< 40	< 80	H2		
Prep Hold Time	BA1DC-WO5-0915-1 (N) / L1678061-43	1 / 1.00	All in Run	68.4 (Days)	J/UJ	< 40	< 80	H2		
Prep Hold Time	BA1DC-WO5-0915-2 (FD) / L1678061-44	1 / 1.00	All in Run	11.5 (Days)	J/UJ	< 7	< 14	H2		
Prep Hold Time	BA1DC-WO5-0915-2 (FD) / L1678061-44	1 / 1.00	All in Run	68.4 (Days)	J/UJ	< 40	< 80	H2		
Prep Hold Time	BA2B-WO145-0915-1 (N) / L1678061-45	1 / 1.00	All in Run	68.5 (Days)	J/UJ	< 40	< 80	H2		
Prep Hold Time	BA2C-WO5-0915-1 (N) / L1678061-46	1 / 1.00	All in Run	68.5 (Days)	J/UJ	< 40	< 80	H2		

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Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery
Component Palos Verdes Shelf, Los Angeles County, California

Prep Hold Time	BA3B-WO145-0915-1 (N) / L1678061-42	1 / 1.00	All in Run	68.4 (Days)	J/UJ	< 40	< 80	H2
Prep Hold Time	BA3B-WO5-0915-1 (N) / L1678061-40	1 / 1.00	All in Run	68.3 (Days)	J/UJ	< 40	< 80	H2
Prep Hold Time	BA3B-WO80-0915-1 (N) / L1678061-41	1 / 1.00	All in Run	68.4 (Days)	J/UJ	< 40	< 80	H2
Prep Hold Time	BA4DC-WO20-0915-1 (N) / L1678061-38	1 / 1.00	All in Run	68.2 (Days)	J/UJ	< 40	< 80	H2
Prep Hold Time	BA4DC-WO35-0915-1 (N) / L1678061-39	1 / 1.00	All in Run	68.2 (Days)	J/UJ	< 40	< 80	H2
Prep Hold Time	BA4DC-WO5-0915-1 (N) / L1678061-37	1 / 1.00	All in Run	68.2 (Days)	J/UJ	< 40	< 80	H2
Prep Hold Time	BA5B-WO145-0915-1 (N) / L1678061-3	1 / 1.00	All in Run	70.1 (Days)	J/UJ	< 40	< 80	H2
Prep Hold Time	BA5B-WO5-0915-1 (N) / L1678061-1	1 / 1.00	All in Run	70.0 (Days)	J/UJ	< 40	< 80	H2
Prep Hold Time	BA5B-WO5-0915-1 (N) / L1678061-1	1 / 1.00	All in Run	71.6 (Days)	J/UJ	< 40	< 80	H2
Prep Hold Time	BA5B-WO5-0915-1 (N) / L1678061-1	1 / 1.00	All in Run	72.6 (Days)	J/UJ	< 40	< 80	H2
Prep Hold Time	BA5B-WO75-0915-1 (N) / L1678061-2	1 / 1.00	All in Run	70.0 (Days)	J/UJ	< 40	< 80	H2
Prep Hold Time	BA5B-WO75-0915-1 (N) / L1678061-2	1 / 1.00	All in Run	71.6 (Days)	J/UJ	< 40	< 80	H2
Prep Hold Time	BA5C-WO30-0915-1 (N) / L1678061-5	1 / 1.00	All in Run	70.2 (Days)	J/UJ	< 40	< 80	H2
Prep Hold Time	BA5C-WO5-0915-1 (N) / L1678061-4	1 / 1.00	All in Run	70.2 (Days)	J/UJ	< 40	< 80	H2
Prep Hold Time	BA5C-WO55-0915-1 (N) / L1678061-6	1 / 1.00	All in Run	70.2 (Days)	J/UJ	< 40	< 80	H2
Prep Hold Time	BA5C-WO58-0915-1 (N) / L1678061-7	1 / 1.00	All in Run	70.3 (Days)	J/UJ	< 40	< 80	H2
Prep Hold Time	BA5C-WO58-0915-1 (N) / L1678061-7	1 / 1.00	All in Run	71.7 (Days)	J/UJ	< 40	< 80	H2
Prep Hold Time	BA5C-WO58-0915-2 (FD) / L1678061-8	1 / 1.00	All in Run	70.3 (Days)	J/UJ	< 40	< 80	H2
Prep Hold Time	BA5DC-WO20-0915-1 (N) / L1678061-12	1 / 1.00	All in Run	70.5 (Days)	J/UJ	< 40	< 80	H2
Prep Hold Time	BA5DC-WO35-0915-1 (N) / L1678061-13	1 / 1.00	All in Run	70.5 (Days)	J/UJ	< 40	< 80	H2
Prep Hold Time	BA5DC-WO38-0915-1 (N) / L1678061-14	1 / 1.00	All in Run	70.5 (Days)	J/UJ	< 40	< 80	H2

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Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery
Component Palos Verdes Shelf, Los Angeles County, California

Prep Hold Time	BA5DC-WO38-0915-1 (N) / L1678061-14	1 / 1.00	All in Run	71.7 (Days)	J/UJ	< 40	< 80	H2
Prep Hold Time	BA5DC-WO38-0915-2 (FD) / L1678061-15	1 / 1.00	All in Run	70.6 (Days)	J/UJ	< 40	< 80	H2
Prep Hold Time	BA5DC-WO5-0915-1 (N) / L1678061-11	1 / 1.00	All in Run	70.5 (Days)	J/UJ	< 40	< 80	H2
Prep Hold Time	BA6BC-WO50-0915-1 (N) / L1678061-20	1 / 1.00	All in Run	68.3 (Days)	J/UJ	< 40	< 80	H2
Prep Hold Time	BA6BC-WO5-0915-1 (N) / L1678061-19	1 / 1.00	All in Run	68.2 (Days)	J/UJ	< 40	< 80	H2
Prep Hold Time	BA6BC-WO95-0915-1 (N) / L1678061-21	1 / 1.00	All in Run	68.3 (Days)	J/UJ	< 40	< 80	H2
Prep Hold Time	BA6B-WO145-0915-1 (N) / L1678061-18	1 / 1.00	All in Run	68.1 (Days)	J/UJ	< 40	< 80	H2
Prep Hold Time	BA6B-WO5-0915-1 (N) / L1678061-16	1 / 1.00	All in Run	68.7 (Days)	J/UJ	< 40	< 80	H2
Prep Hold Time	BA6B-WO75-0915-1 (N) / L1678061-17	1 / 1.00	All in Run	68.1 (Days)	J/UJ	< 40	< 80	H2
Prep Hold Time	BA6C-WO30-0915-1 (N) / L1678061-23	1 / 1.00	All in Run	68.3 (Days)	J/UJ	< 40	< 80	H2
Prep Hold Time	BA6C-WO5-0915-1 (N) / L1678061-22	1 / 1.00	All in Run	68.3 (Days)	J/UJ	< 40	< 80	H2
Prep Hold Time	BA6DC-WO35-0915-1 (N) / L1678061-26	1 / 1.00	All in Run	68.0 (Days)	J/UJ	< 40	< 80	H2
Prep Hold Time	BA6DC-WO5-0915-1 (N) / L1678061-24	1 / 1.00	All in Run	68.3 (Days)	J/UJ	< 40	< 80	H2
Prep Hold Time	BA7DC-WO20-0915-1 (N) / L1678061-28	1 / 1.00	All in Run	68.8 (Days)	J/UJ	< 40	< 80	H2
Prep Hold Time	BA7DC-WO35-0915-1 (N) / L1678061-29	1 / 1.00	All in Run	68.5 (Days)	J/UJ	< 40	< 80	H2
Prep Hold Time	BA7DC-WO38-0915-1 (N) / L1678061-30	1 / 1.00	All in Run	68.5 (Days)	J/UJ	< 40	< 80	H2
Prep Hold Time	BA7DC-WO38-0915-2 (FD) / L1678061-31	1 / 1.00	All in Run	68.5 (Days)	J/UJ	< 40	< 80	H2
Prep Hold Time	BA7DC-WO38-0915-3 (N) / L1678061-32	1 / 1.00	All in Run	68.6 (Days)	J/UJ	< 40	< 80	H2
Prep Hold Time	BA7DC-WO5-0915-1 (N) / L1678061-27	1 / 1.00	All in Run	68.7 (Days)	J/UJ	< 40	< 80	H2
Prep Hold Time	W2-WO100-0915-1 (N) / L1678061-34	1 / 1.00	All in Run	68.0 (Days)	J/UJ	< 40	< 80	H2
Prep Hold Time	W2-WO195-0915-1 (N) / L1678061-35	1 / 1.00	All in Run	68.2 (Days)	J/UJ	< 40	< 80	H2

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Component Palos Verdes Shelf, Los Angeles County, California

Prep Hold Time	W2-WO198-0915-1 (N) / L1678061-36	1 / 1.00	All in Run	68.2 (Days)	J/UJ	< 40	< 80	H2	
Prep Hold Time	W2-WO5-0915-1 (N) / L1678061-33	1 / 1.00	All in Run	68.0 (Days)	J/UJ	< 40	< 80	H2	
Prep Hold Time	W3-WO195-0915-1 (N) / L1678061-9	1 / 1.00	All in Run	70.3 (Days)	J/UJ	< 40	< 80	H2	
Prep Hold Time	WQ-ER2-0915-1 (EB) / L1678061-10	1 / 1.00	All in Run	70.4 (Days)	J/UJ	< 40	< 80	H2	
Surrogate	BA1B-WO145-0915-1 (N) / L1678061-49	1 / 1.00	4,4'-DDE-13C12	42.0 (Percent)	J/UJ	47 - 160	10 - 170	S	Only 1 SS out. Qualifier Removed.
Surrogate	BA1B-WO5-0915-1 (N) / L1678061-47	1 / 1.00	4,4'-DDE-13C12	38.0 (Percent)	J/UJ	47 - 160	10 - 170	S	Only 1 SS out. Qualifier Removed.
Surrogate	BA1B-WO75-0915-1 (N) / L1678061-48	1 / 1.00	4,4'-DDE-13C12	45.0 (Percent)	J/UJ	47 - 160	10 - 170	S	Only 1 SS out. Qualifier Removed.
Surrogate	BA1DC-WO5-0915-2 (FD) / L1678061-44	1 / 1.00	4,4'-DDE-13C12	43.0 (Percent)	J/UJ	47 - 160	10 - 170	S	Only 1 SS out. Qualifier Removed.
Surrogate	BA3B-WO5-0915-1 (N) / L1678061-40	1 / 1.00	4,4'-DDE-13C12	40.0 (Percent)	J/UJ	47 - 160	10 - 170	S	Only 1 SS out. Qualifier Removed.
Surrogate	BA3B-WO80-0915-1 (N) / L1678061-41	1 / 1.00	4,4'-DDE-13C12	45.0 (Percent)	J/UJ	47 - 160	10 - 170	S	Only 1 SS out. Qualifier Removed.
Surrogate	BA4DC-WO20-0915-1 (N) / L1678061-38	1 / 1.00	4,4'-DDE-13C12	43.0 (Percent)	J/UJ	47 - 160	10 - 170	S	Only 1 SS out. Qualifier Removed.
Surrogate	BA4DC-WO35-0915-1 (N) / L1678061-39	1 / 1.00	4,4'-DDE-13C12	44.0 (Percent)	J/UJ	47 - 160	10 - 170	S	Only 1 SS out. Qualifier Removed.
Surrogate	BA4DC-WO5-0915-1 (N) / L1678061-37	1 / 1.00	4,4'-DDE-13C12	42.0 (Percent)	J/UJ	47 - 160	10 - 170	S	Only 1 SS out. Qualifier Removed.
Surrogate	BA5B-WO145-0915-1 (N) / L1678061-3	1 / 1.00	4,4'-DDE-13C12	45.0 (Percent)	J/UJ	47 - 160	10 - 170	S	Only 1 SS out. Qualifier Removed.
Surrogate	BA5B-WO75-0915-1 (N) / L1678061-2	1 / 1.00	4,4'-DDE-13C12	46.0 (Percent)	J/UJ	47 - 160	10 - 170	S	Only 1 SS out. Qualifier Removed.

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Surrogate	BA5C-WO30-0915-1 (N) / L1678061-5	1 / 1.00	4,4'-DDE-13C12	42.0 (Percent)	J/UJ	47 - 160	10 - 170	S	Only 1 SS out. Qualifier Removed.
Surrogate	BA5C-WO55-0915-1 (N) / L1678061-6	1 / 1.00	4,4'-DDE-13C12	44.0 (Percent)	J/UJ	47 - 160	10 - 170	S	Only 1 SS out. Qualifier Removed.
Surrogate	BA5C-WO58-0915-1 (N) / L1678061-7	1 / 1.00	4,4'-DDE-13C12	46.0 (Percent)	J/UJ	47 - 160	10 - 170	S	Only 1 SS out. Qualifier Removed.
Surrogate	BA5C-WO58-0915-2 (FD) / L1678061-8	1 / 1.00	4,4'-DDE-13C12	45.0 (Percent)	J/UJ	47 - 160	10 - 170	S	Only 1 SS out. Qualifier Removed.
Surrogate	BA5DC-WO35-0915-1 (N) / L1678061-13	1 / 1.00	4,4'-DDE-13C12	46.0 (Percent)	J/UJ	47 - 160	10 - 170	S	Only 1 SS out. Qualifier Removed.
Surrogate	BA5DC-WO38-0915-1 (N) / L1678061-14	1 / 1.00	4,4'-DDE-13C12	40.0 (Percent)	J/UJ	47 - 160	10 - 170	S	Only 1 SS out. Qualifier Removed.
Surrogate	BA5DC-WO38-0915-2 (FD) / L1678061-15	1 / 1.00	4,4'-DDE-13C12	35.0 (Percent)	J/UJ	47 - 160	10 - 170	S	Only 1 SS out. Qualifier Removed.
Surrogate	BA5DC-WO5-0915-1 (N) / L1678061-11	1 / 1.00	4,4'-DDE-13C12	38.0 (Percent)	J/UJ	47 - 160	10 - 170	S	Only 1 SS out. Qualifier Removed.
Surrogate	BA6BC-WO50-0915-1 (N) / L1678061-20	1 / 1.00	4,4'-DDE-13C12	45.0 (Percent)	J/UJ	47 - 160	10 - 170	S	Only 1 SS out. Qualifier Removed.
Surrogate	BA6BC-WO5-0915-1 (N) / L1678061-19	1 / 1.00	4,4'-DDE-13C12	35.0 (Percent)	J/UJ	47 - 160	10 - 170	S	Only 1 SS out. Qualifier Removed.
Surrogate	BA6BC-WO95-0915-1 (N) / L1678061-21	1 / 1.00	4,4'-DDE-13C12	41.0 (Percent)	J/UJ	47 - 160	10 - 170	S	Only 1 SS out. Qualifier Removed.
Surrogate	BA6B-WO145-0915-1 (N) / L1678061-18	1 / 1.00	4,4'-DDE-13C12	39.0 (Percent)	J/UJ	47 - 160	10 - 170	S	Only 1 SS out. Qualifier Removed.
Surrogate	BA6B-WO5-0915-1 (N) / L1678061-16	1 / 1.00	4,4'-DDE-13C12	42.0 (Percent)	J/UJ	47 - 160	10 - 170	S	Only 1 SS out. Qualifier Removed.
Surrogate	BA6B-WO75-0915-1 (N) / L1678061-17	1 / 1.00	4,4'-DDE-13C12	45.0 (Percent)	J/UJ	47 - 160	10 - 170	S	Only 1 SS out. Qualifier Removed.

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Surrogate	BA6C-WO30-0915-1 (N) / L1678061-23	1 / 1.00	4,4'-DDE-13C12	40.0 (Percent)	J/UJ	47 - 160	10 - 170	S	Only 1 SS out. Qualifier Removed.
Surrogate	BA6C-WO5-0915-1 (N) / L1678061-22	1 / 1.00	4,4'-DDE-13C12	40.0 (Percent)	J/UJ	47 - 160	10 - 170	S	Only 1 SS out. Qualifier Removed.
Surrogate	BA6DC-WO5-0915-1 (N) / L1678061-24	1 / 1.00	4,4'-DDE-13C12	33.0 (Percent)	J/UJ	47 - 160	10 - 170	S	Only 1 SS out. Qualifier Removed.
Surrogate	BA7DC-WO20-0915-1 (N) / L1678061-28	1 / 1.00	4,4'-DDE-13C12	46.0 (Percent)	J/UJ	47 - 160	10 - 170	S	Only 1 SS out. Qualifier Removed.
Surrogate	BA7DC-WO35-0915-1 (N) / L1678061-29	1 / 1.00	4,4'-DDE-13C12	43.0 (Percent)	J/UJ	47 - 160	10 - 170	S	Only 1 SS out. Qualifier Removed.
Surrogate	BA7DC-WO38-0915-2 (FD) / L1678061-31	1 / 1.00	4,4'-DDE-13C12	37.0 (Percent)	J/UJ	47 - 160	10 - 170	S	Only 1 SS out. Qualifier Removed.
Surrogate	BA7DC-WO38-0915-3 (N) / L1678061-32	1 / 1.00	4,4'-DDE-13C12	43.0 (Percent)	J/UJ	47 - 160	10 - 170	S	Only 1 SS out. Qualifier Removed.
Surrogate	W2-WO100-0915-1 (N) / L1678061-34	1 / 1.00	4,4'-DDE-13C12	44.0 (Percent)	J/UJ	47 - 160	10 - 170	S	Only 1 SS out. Qualifier Removed.
Surrogate	W2-WO195-0915-1 (N) / L1678061-35	1 / 1.00	4,4'-DDE-13C12	46.0 (Percent)	J/UJ	47 - 160	10 - 170	S	Only 1 SS out. Qualifier Removed.
Surrogate	W2-WO198-0915-1 (N) / L1678061-36	1 / 1.00	4,4'-DDE-13C12	40.0 (Percent)	J/UJ	47 - 160	10 - 170	S	Only 1 SS out. Qualifier Removed.
Surrogate	W2-WO5-0915-1 (N) / L1678061-33	1 / 1.00	4,4'-DDE-13C12	39.0 (Percent)	J/UJ	47 - 160	10 - 170	S	Only 1 SS out. Qualifier Removed.
Surrogate	W3-WO195-0915-1 (N) / L1678061-9	1 / 1.00	4,4'-DDE-13C12	39.0 (Percent)	J/UJ	47 - 160	10 - 170	S	Only 1 SS out. Qualifier Removed.
Surrogate	WQ-ER2-0915-1 (EB) / L1678061-10	1 / 1.00	4,4'-DDE-13C12	30.0 (Percent)	J/UJ	47 - 160	10 - 170	S	Only 1 SS out. Qualifier Removed.

Rule is the multiplier used when blank contamination occurs to determine action level.

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Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1668C		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
BA1B-WO145-0915-1	L1678061-49	WO	N	2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	1.1	1.1 J,M	1.1 U		PG/L	B1/G4
BA1B-WO145-0915-1	L1678061-49	WO	N	2,2',3,3',4,4',5-HEPTACHLOROBIPHENYL	0.38	0.23 J	0.38 U		PG/L	B1
BA1B-WO145-0915-1	L1678061-49	WO	N	2,2',3,3',4,4'-HEXACHLOROBIPHENYL	0.14	0.28 J	0.28 J	+	PG/L	B1/TR
BA1B-WO145-0915-1	L1678061-49	WO	N	2,2',3,3',4,5,6'-HEPTACHLOROBIPHENYL	0.18	0.19 J,M	0.19 J		PG/L	TR/G4
BA1B-WO145-0915-1	L1678061-49	WO	N	2,2',3,4,4',5,5'-HEPTACHLOROBIPHENYL	0.14	0.59 J	0.59 J	+	PG/L	B1/TR
BA1B-WO145-0915-1	L1678061-49	WO	N	2,2',3,4,4',5,6'-HEPTACHLOROBIPHENYL	0.15	0.16 J,M	0.16 J		PG/L	TR/G4
BA1B-WO145-0915-1	L1678061-49	WO	N	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	0.15	2.6 J,B	2.6 J	+	PG/L	B1/TR
BA1B-WO145-0915-1	L1678061-49	WO	N	2,2',3,4',5,5',6-HEPTACHLOROBIPHENYL	0.14	0.40 J	0.40 J	+	PG/L	B1/TR
BA1B-WO145-0915-1	L1678061-49	WO	N	2,2',3,4',5,6-HEXACHLOROBIPHENYL	0.15	2.1 J,B	2.1 J	+	PG/L	B1/TR
BA1B-WO145-0915-1	L1678061-49	WO	N	2,2',3,4,5'-PENTACHLOROBIPHENYL/2,3',4,4',6-Pentachlorobiphenyl	0.17	2.6 J	2.6 J	+	PG/L	B1/TR
BA1B-WO145-0915-1	L1678061-49	WO	N	2,2',3,5,5',6-HEXACHLOROBIPHENYL	0.14	0.97 J,B	0.97 J		PG/L	TR
BA1B-WO145-0915-1	L1678061-49	WO	N	2,2',3,5'-TETRACHLOROBIPHENYL	0.22	5.2 J	0.22 U		PG/L	B1
BA1B-WO145-0915-1	L1678061-49	WO	N	2,2',4,4',5,5'-HEXACHLOROBIPHENYL/2,3',4,4',5,6-HEXACHLOROBIPHENYL	0.12	1.7 J,M	1.7 J	+	PG/L	B1/TR/G4
BA1B-WO145-0915-1	L1678061-49	WO	N	2,2',4,4',5-PENTACHLOROBIPHENYL	0.20	2.2 J,B	2.2 J	+	PG/L	B1/TR
BA1B-WO145-0915-1	L1678061-49	WO	N	2,2',4,5,5'-PENTACHLOROBIPHENYL	0.18	3.4 J,B	3.4 J	+	PG/L	B1/TR
BA1B-WO145-0915-1	L1678061-49	WO	N	2,2',4,5'-TETRACHLOROBIPHENYL	0.21	2.2 J,B	2.2 J	+	PG/L	B1/TR
BA1B-WO145-0915-1	L1678061-49	WO	N	2,2',5,5'-TETRACHLOROBIPHENYL	0.27	4.3 J,B	4.3 J	+	PG/L	B1/TR

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Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1668C		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
BA1B-WO145-0915-1	L1678061-49	WO	N	2,2',5-TRICHLOROBIPHENYL	3.0	3.0 J,M	3.0 U		PG/L	B1/G4
BA1B-WO145-0915-1	L1678061-49	WO	N	2,3,3',4,4',5'-Hexachlorobiphenyl/2,3,3',4,4',5'-Hexachlorobiphenyl	0.38	0.35 J,B	0.38 U		PG/L	B1
BA1B-WO145-0915-1	L1678061-49	WO	N	2,3,3',4,4',6'-HEXACHLOROBIPHENYL	0.11	0.25 J,M	0.25 J	+	PG/L	B1/TR/G4
BA1B-WO145-0915-1	L1678061-49	WO	N	2,3,3',4,4'-PENTACHLOROBIPHENYL	0.15	1.4 J	1.4 J	+	PG/L	B1/TR
BA1B-WO145-0915-1	L1678061-49	WO	N	2,3,3',4',6'-PENTACHLOROBIPHENYL	0.15	4.2 J	4.2 J	+	PG/L	B1/TR
BA1B-WO145-0915-1	L1678061-49	WO	N	2,3',4,4',5'-PENTACHLOROBIPHENYL	0.14	2.7 J,B	2.7 J	+	PG/L	B1/TR
BA1B-WO145-0915-1	L1678061-49	WO	N	2,3',4,4'-TETRACHLOROBIPHENYL	0.24	2.7 J,B	2.7 J	+	PG/L	B1/TR
BA1B-WO145-0915-1	L1678061-49	WO	N	2,4,4'-TRICHLOROBIPHENYL	4.6	4.5 J,B	4.6 U		PG/L	B1
BA1B-WO145-0915-1	L1678061-49	WO	N	2,4',5-TRICHLOROBIPHENYL	3.6	3.2 J,B	3.6 U		PG/L	B1
BA1B-WO145-0915-1	L1678061-49	WO	N	2,4'-DICHLOROBIPHENYL	1.6	3.7 J,M	3.7 J		PG/L	TR/G4
BA1B-WO145-0915-1	L1678061-49	WO	N	3,4,4'-TRICHLOROBIPHENYL	1.6	1.4 J,B	1.6 U		PG/L	B1
BA1B-WO145-0915-1	L1678061-49	WO	N	PCB061/070/074/076	0.24	4.4 J,B	4.4 J	+	PG/L	B1/TR
BA1B-WO5-0915-1	L1678061-47	WO	N	2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	0.32	2.6 J,M	2.6 J	+	PG/L	B1/TR/G4
BA1B-WO5-0915-1	L1678061-47	WO	N	2,2',3,3',4,5',6'-HEPTACHLOROBIPHENYL	0.17	0.19 J	0.19 J		PG/L	TR
BA1B-WO5-0915-1	L1678061-47	WO	N	2,2',3,4,4',5,5'-HEPTACHLOROBIPHENYL	0.53	0.45 J	0.53 U		PG/L	B1
BA1B-WO5-0915-1	L1678061-47	WO	N	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	1.6	1.3 J,B	1.6 U		PG/L	B1
BA1B-WO5-0915-1	L1678061-47	WO	N	2,2',3,4',5,5',6'-HEPTACHLOROBIPHENYL	0.23	0.23 J,M	0.23 U		PG/L	B1/G4
BA1B-WO5-0915-1	L1678061-47	WO	N	2,2',3,4',5',6'-HEXACHLOROBIPHENYL	1.2	1.1 J,B	1.2 U		PG/L	B1
BA1B-WO5-0915-1	L1678061-47	WO	N	2,2',3,4,5'-PENTACHLOROBIPHENYL/2,3',4,4',6-Pentachlorobiphenyl	0.23	1.4 J,M	1.4 J	+	PG/L	B1/TR/G4
BA1B-WO5-0915-1	L1678061-47	WO	N	2,2',3,5,5',6'-HEXACHLOROBIPHENYL	0.52	0.52 J,M	0.52 U		PG/L	B1/G4

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Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1668C		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
BA1B-WO5-0915-1	L1678061-47	WO	N	2,2',3,5'- TETRACHLOROBIPHENYL	5.3	4.6 J	5.3 U		PG/L	B1
BA1B-WO5-0915-1	L1678061-47	WO	N	2,2',4,4',5,5'- HEXACHLOROBIPHENYL/2,3',4 ,4',5',6'- HEXACHLOROBIPHENYL	0.87	0.87 J,M	0.87 U		PG/L	B1/G4
BA1B-WO5-0915-1	L1678061-47	WO	N	2,2',4,4',5- PENTACHLOROBIPHENYL	0.27	0.76 J,M	0.76 J	+	PG/L	B1/TR/G4
BA1B-WO5-0915-1	L1678061-47	WO	N	2,2',4,5,5'- PENTACHLOROBIPHENYL	0.25	1.9 J,B	1.9 J	+	PG/L	B1/TR
BA1B-WO5-0915-1	L1678061-47	WO	N	2,2',4,5'- TETRACHLOROBIPHENYL	0.24	1.4 J,B	1.4 J	+	PG/L	B1/TR
BA1B-WO5-0915-1	L1678061-47	WO	N	2,2',5,5'- TETRACHLOROBIPHENYL	0.31	3.7 J,B	3.7 J	+	PG/L	B1/TR
BA1B-WO5-0915-1	L1678061-47	WO	N	2,2',5-TRICHLOROBIPHENYL	3.0	3.0 J,M	3.0 U		PG/L	B1/G4
BA1B-WO5-0915-1	L1678061-47	WO	N	2,3,3',4,4',5- Hexachlorobiphenyl/2,3,3',4,4',5'- Hexachlorobiphenyl	0.38	0.38 M,U	0.38 U		PG/L	B1
BA1B-WO5-0915-1	L1678061-47	WO	N	2,3,3',4,4'- PENTACHLOROBIPHENYL	0.15	0.73 J	0.73 J	+	PG/L	B1/TR
BA1B-WO5-0915-1	L1678061-47	WO	N	2,3,3',4',6- PENTACHLOROBIPHENYL	2.5	2.4 J	2.5 U		PG/L	B1
BA1B-WO5-0915-1	L1678061-47	WO	N	2,3',4,4',5- PENTACHLOROBIPHENYL	1.3	1.3 J,B	1.3 U		PG/L	B1
BA1B-WO5-0915-1	L1678061-47	WO	N	2,3',4,4'- TETRACHLOROBIPHENYL	1.1	1.1 J,M	1.1 U		PG/L	B1/G4
BA1B-WO5-0915-1	L1678061-47	WO	N	2,4,4'-TRICHLOROBIPHENYL	4.6	3.8 J,B	4.6 U		PG/L	B1
BA1B-WO5-0915-1	L1678061-47	WO	N	2,4',5-TRICHLOROBIPHENYL	3.6	3.0 J,B	3.6 U		PG/L	B1
BA1B-WO5-0915-1	L1678061-47	WO	N	3,4,4'-TRICHLOROBIPHENYL	0.73	0.73 J,M	0.73 U		PG/L	B1/G4
BA1B-WO5-0915-1	L1678061-47	WO	N	PCB061/070/074/076	2.8	2.5 J,B	2.8 U		PG/L	B1
BA1B-WO75-0915-1	L1678061-48	WO	N	2,2',3,3',4,4',5,5',6,6'- Decachlorobiphenyl	0.18	2.4 J,B	2.4 J	+	PG/L	B1/TR
BA1B-WO75-0915-1	L1678061-48	WO	N	2,2',3,3',4,4',5- HEPTACHLOROBIPHENYL	0.28	0.28 J,M	0.28 U		PG/L	B1/G4
BA1B-WO75-0915-1	L1678061-48	WO	N	2,2',3,3',4,4'- HEXACHLOROBIPHENYL	0.16	0.33 J,M	0.33 J	+	PG/L	B1/TR/G4

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Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1668C		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
BA1B-WO75-0915-1	L1678061-48	WO	N	2,2',3,3',4,5',6'-HEPTACHLOROBIPHENYL	0.17	0.23 J	0.23 J		PG/L	TR
BA1B-WO75-0915-1	L1678061-48	WO	N	2,2',3,4,4',5,5'-HEPTACHLOROBIPHENYL	0.13	0.72 J	0.72 J	+	PG/L	B1/TR
BA1B-WO75-0915-1	L1678061-48	WO	N	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	0.17	2.7 J,B	2.7 J	+	PG/L	B1/TR
BA1B-WO75-0915-1	L1678061-48	WO	N	2,2',3,4',5,5',6'-HEPTACHLOROBIPHENYL	0.13	0.43 J	0.43 J	+	PG/L	B1/TR
BA1B-WO75-0915-1	L1678061-48	WO	N	2,2',3,4',5',6'-HEXACHLOROBIPHENYL	0.18	1.8 J,B	1.8 J	+	PG/L	B1/TR
BA1B-WO75-0915-1	L1678061-48	WO	N	2,2',3,4,5'-PENTACHLOROBIPHENYL/2,3',4,4',6-Pentachlorobiphenyl	0.21	3.2 J,M	3.2 J	+	PG/L	B1/TR/G4
BA1B-WO75-0915-1	L1678061-48	WO	N	2,2',3,5,5',6'-HEXACHLOROBIPHENYL	0.15	0.99 J,M	0.99 J		PG/L	TR/G4
BA1B-WO75-0915-1	L1678061-48	WO	N	2,2',3,5'-TETRACHLOROBIPHENYL	0.21	8.7 J	8.7 J		PG/L	B1/TR
BA1B-WO75-0915-1	L1678061-48	WO	N	2,2',4,4',5,5'-HEXACHLOROBIPHENYL/2,3',4,4',5,5',6'-HEXACHLOROBIPHENYL	0.15	1.9 J,B	1.9 J	+	PG/L	B1/TR
BA1B-WO75-0915-1	L1678061-48	WO	N	2,2',4,4',5'-PENTACHLOROBIPHENYL	0.25	2.2 J,M	2.2 J	+	PG/L	B1/TR/G4
BA1B-WO75-0915-1	L1678061-48	WO	N	2,2',4,5,5'-PENTACHLOROBIPHENYL	0.23	4.4 J,B	4.4 J	+	PG/L	B1/TR
BA1B-WO75-0915-1	L1678061-48	WO	N	2,2',4,5'-TETRACHLOROBIPHENYL	0.20	2.9 J,M	2.9 J	+	PG/L	B1/TR/G4
BA1B-WO75-0915-1	L1678061-48	WO	N	2,2',5,5'-TETRACHLOROBIPHENYL	0.26	6.7 J,B	6.7 J	+	PG/L	B1/TR
BA1B-WO75-0915-1	L1678061-48	WO	N	2,2',5-TRICHLOROBIPHENYL	3.1	3.1 J,M	3.1 U		PG/L	B1/G4
BA1B-WO75-0915-1	L1678061-48	WO	N	2,3,3',4,4',5'-Hexachlorobiphenyl/2,3,3',4,4',5'-Hexachlorobiphenyl	0.28	0.28 J,M	0.28 U		PG/L	B1/G4
BA1B-WO75-0915-1	L1678061-48	WO	N	2,3,3',4,4',6'-HEXACHLOROBIPHENYL	0.13	0.31 J	0.31 J	+	PG/L	B1/TR
BA1B-WO75-0915-1	L1678061-48	WO	N	2,3,3',4,4'-PENTACHLOROBIPHENYL	0.18	1.4 J,M	1.4 J	+	PG/L	B1/TR/G4

Automated Data Review Detail Report for L1678061

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1668C		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
BA1B-WO75-0915-1	L1678061-48	WO	N	2,3,3',4',6-PENTACHLOROBIPHENYL	0.19	6.0 J	6.0 J	+	PG/L	B1/TR
BA1B-WO75-0915-1	L1678061-48	WO	N	2,3',4,4',5-PENTACHLOROBIPHENYL	0.17	3.3 J,B	3.3 J	+	PG/L	B1/TR
BA1B-WO75-0915-1	L1678061-48	WO	N	2,3',4,4'-TETRACHLOROBIPHENYL	0.24	3.8 J,B	3.8 J	+	PG/L	B1/TR
BA1B-WO75-0915-1	L1678061-48	WO	N	2,4,4'-TRICHLOROBIPHENYL	0.25	5.7 J,B	5.7 J		PG/L	B1/TR
BA1B-WO75-0915-1	L1678061-48	WO	N	2,4',5-TRICHLOROBIPHENYL	0.25	4.4 J,B	4.4 J	+	PG/L	B1/TR
BA1B-WO75-0915-1	L1678061-48	WO	N	2,4'-DICHLOROBIPHENYL	1.6	3.9 J,M	3.9 J		PG/L	TR/G4
BA1B-WO75-0915-1	L1678061-48	WO	N	3,4,4'-TRICHLOROBIPHENYL	1.2	1.2 J,M	1.2 U		PG/L	B1/G4
BA1B-WO75-0915-1	L1678061-48	WO	N	PCB061/070/074/076	0.24	6.3 J,B	6.3 J	+	PG/L	B1/TR
BA1DC-WO5-0915-1	L1678061-43	WO	N	2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	0.11	0.65 J	0.65 J		PG/L	TR
BA1DC-WO5-0915-1	L1678061-43	WO	N	2,2',3,3',4,4',5-HEPTACHLOROBIPHENYL	0.10	0.10 U	0.10 UJ		PG/L	D5
BA1DC-WO5-0915-1	L1678061-43	WO	N	2,2',3,3',4,5',6'-HEPTACHLOROBIPHENYL	0.11	0.15 J	0.15 J		PG/L	TR/D5
BA1DC-WO5-0915-1	L1678061-43	WO	N	2,2',3,4,4',5,5'-HEPTACHLOROBIPHENYL	0.084	0.32 J,M	0.32 J		PG/L	TR/G4
BA1DC-WO5-0915-1	L1678061-43	WO	N	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	0.12	0.91 J	0.91 J		PG/L	TR
BA1DC-WO5-0915-1	L1678061-43	WO	N	2,2',3,4',5,5',6-HEPTACHLOROBIPHENYL	0.087	0.16 J,M	0.16 J		PG/L	TR/G4
BA1DC-WO5-0915-1	L1678061-43	WO	N	2,2',3,4',5',6-HEXACHLOROBIPHENYL	0.12	0.86 J,M	0.86 J		PG/L	TR/G4
BA1DC-WO5-0915-1	L1678061-43	WO	N	2,2',3,4,5'-PENTACHLOROBIPHENYL/2,3',4,4',6-Pentachlorobiphenyl	0.11	1.5 J	1.5 J		PG/L	TR/D5
BA1DC-WO5-0915-1	L1678061-43	WO	N	2,2',3,5,5',6-HEXACHLOROBIPHENYL	0.088	0.25 J,M	0.25 J		PG/L	TR/G4
BA1DC-WO5-0915-1	L1678061-43	WO	N	2,2',3,5'-TETRACHLOROBIPHENYL	5.0	3.6 J,B	5.0 U		PG/L	B1
BA1DC-WO5-0915-1	L1678061-43	WO	N	2,2',4,4',5,5'-HEXACHLOROBIPHENYL/2,3',4,4',5',6-HEXACHLOROBIPHENYL	0.10	0.81 J,M	0.81 J		PG/L	TR/G4

Automated Data Review Detail Report for L1678061

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1668C		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
BA1DC-WO5-0915-1	L1678061-43	WO	N	2,2',4,4',5'-PENTACHLOROBIPHENYL	0.13	0.98 J	0.98 J		PG/L	TR/D5
BA1DC-WO5-0915-1	L1678061-43	WO	N	2,2',4,5,5'-PENTACHLOROBIPHENYL	0.12	1.6 J	1.6 J		PG/L	TR
BA1DC-WO5-0915-1	L1678061-43	WO	N	2,2',4,5'-TETRACHLOROBIPHENYL	0.13	1.2 J	1.2 J		PG/L	TR
BA1DC-WO5-0915-1	L1678061-43	WO	N	2,2',5,5'-TETRACHLOROBIPHENYL	0.15	2.3 J,B	2.3 J	+	PG/L	B1/TR
BA1DC-WO5-0915-1	L1678061-43	WO	N	2,2',5-TRICHLOROBIPHENYL	0.20	1.8 J	1.8 J		PG/L	TR
BA1DC-WO5-0915-1	L1678061-43	WO	N	2,3,3',4,4'-PENTACHLOROBIPHENYL	0.095	0.60 J,M	0.60 J		PG/L	TR/G4/D5
BA1DC-WO5-0915-1	L1678061-43	WO	N	2,3,3',4',6'-PENTACHLOROBIPHENYL	0.098	1.7 J,M	1.7 J	+	PG/L	B1/TR/G4
BA1DC-WO5-0915-1	L1678061-43	WO	N	2,3',4,4',5'-PENTACHLOROBIPHENYL	0.091	1.1 J	1.1 J		PG/L	TR
BA1DC-WO5-0915-1	L1678061-43	WO	N	2,3',4,4'-TETRACHLOROBIPHENYL	0.19	1.2 J	1.2 J		PG/L	TR
BA1DC-WO5-0915-1	L1678061-43	WO	N	2,4,4'-TRICHLOROBIPHENYL	0.18	2.5 J	2.5 J		PG/L	TR
BA1DC-WO5-0915-1	L1678061-43	WO	N	2,4',5-TRICHLOROBIPHENYL	0.18	2.1 J	2.1 J		PG/L	TR
BA1DC-WO5-0915-1	L1678061-43	WO	N	2,4'-DICHLOROBIPHENYL	0.66	2.1 J,M	2.1 J		PG/L	TR/G4
BA1DC-WO5-0915-1	L1678061-43	WO	N	3,3',4,4'-TETRACHLOROBIPHENYL	0.19	0.25 J	0.25 J		PG/L	TR/D5
BA1DC-WO5-0915-1	L1678061-43	WO	N	3,4,4'-TRICHLOROBIPHENYL	0.20	0.55 J,M	0.55 J		PG/L	TR/G4
BA1DC-WO5-0915-1	L1678061-43	WO	N	PCB061/070/074/076	0.19	2.4 J	2.4 J	+	PG/L	B1/TR
BA1DC-WO5-0915-2	L1678061-44	WO	FD	2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	0.093	0.44 J,M	0.44 J		PG/L	TR/G4
BA1DC-WO5-0915-2	L1678061-44	WO	FD	2,2',3,3',4,4',5'-HEPTACHLOROBIPHENYL	0.087	0.14 J	0.14 J		PG/L	TR/D5
BA1DC-WO5-0915-2	L1678061-44	WO	FD	2,2',3,3',4,5',6'-HEPTACHLOROBIPHENYL	0.092	0.092 U	0.092 UJ		PG/L	D5
BA1DC-WO5-0915-2	L1678061-44	WO	FD	2,2',3,4,4',5,5'-HEPTACHLOROBIPHENYL	0.070	0.27 J	0.27 J		PG/L	TR
BA1DC-WO5-0915-2	L1678061-44	WO	FD	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	0.087	0.91 J	0.91 J		PG/L	TR

Automated Data Review Detail Report for L1678061

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1668C		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
BA1DC-WO5-0915-2	L1678061-44	WO	FD	2,2',3,4',5,5',6-HEPTACHLOROBIPHENYL	0.073	0.21 J,M	0.21 J		PG/L	TR/G4
BA1DC-WO5-0915-2	L1678061-44	WO	FD	2,2',3,4',5',6-HEXACHLOROBIPHENYL	0.088	0.69 J	0.69 J		PG/L	TR
BA1DC-WO5-0915-2	L1678061-44	WO	FD	2,2',3,4,5'-PENTACHLOROBIPHENYL/2,3',4,4',6-Pentachlorobiphenyl	0.089	0.87 J,M	0.87 J		PG/L	TR/G4/D5
BA1DC-WO5-0915-2	L1678061-44	WO	FD	2,2',3,5,5',6-HEXACHLOROBIPHENYL	0.072	0.19 J,M	0.19 J		PG/L	TR/G4
BA1DC-WO5-0915-2	L1678061-44	WO	FD	2,2',3,5'-TETRACHLOROBIPHENYL	5.0	4.1 J,B	5.0 U		PG/L	B1
BA1DC-WO5-0915-2	L1678061-44	WO	FD	2,2',4,4',5,5'-HEXACHLOROBIPHENYL/2,3',4,4',5,5'-HEXACHLOROBIPHENYL	0.072	0.63 J	0.63 J		PG/L	TR
BA1DC-WO5-0915-2	L1678061-44	WO	FD	2,2',4,4',5-PENTACHLOROBIPHENYL	0.11	0.63 J,M	0.63 J		PG/L	TR/G4/D5
BA1DC-WO5-0915-2	L1678061-44	WO	FD	2,2',4,5,5'-PENTACHLOROBIPHENYL	0.099	1.7 J	1.7 J		PG/L	TR
BA1DC-WO5-0915-2	L1678061-44	WO	FD	2,2',4,5'-TETRACHLOROBIPHENYL	0.11	0.97 J	0.97 J		PG/L	TR
BA1DC-WO5-0915-2	L1678061-44	WO	FD	2,2',5,5'-TETRACHLOROBIPHENYL	0.13	2.4 J,M	2.4 J	+	PG/L	B1/TR/G4
BA1DC-WO5-0915-2	L1678061-44	WO	FD	2,2',5-TRICHLOROBIPHENYL	0.19	2.1 J	2.1 J		PG/L	TR
BA1DC-WO5-0915-2	L1678061-44	WO	FD	2,3,3',4,4'-PENTACHLOROBIPHENYL	0.10	0.27 J,M	0.27 J		PG/L	TR/G4/D5
BA1DC-WO5-0915-2	L1678061-44	WO	FD	2,3,3',4',6-PENTACHLOROBIPHENYL	0.082	1.6 J	1.6 J	+	PG/L	B1/TR
BA1DC-WO5-0915-2	L1678061-44	WO	FD	2,3',4,4',5-PENTACHLOROBIPHENYL	0.093	0.79 J,M	0.79 J		PG/L	TR/G4
BA1DC-WO5-0915-2	L1678061-44	WO	FD	2,3',4,4'-TETRACHLOROBIPHENYL	0.18	1.0 J,M	1.0 J		PG/L	TR/G4
BA1DC-WO5-0915-2	L1678061-44	WO	FD	2,4,4'-TRICHLOROBIPHENYL	0.12	2.6 J	2.6 J		PG/L	TR
BA1DC-WO5-0915-2	L1678061-44	WO	FD	2,4',5-TRICHLOROBIPHENYL	0.12	2.0 J	2.0 J		PG/L	TR
BA1DC-WO5-0915-2	L1678061-44	WO	FD	2,4'-DICHLOROBIPHENYL	0.42	2.4 J,M	2.4 J		PG/L	TR/G4

Automated Data Review Detail Report for L1678061

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1668C		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
BA1DC-WO5-0915-2	L1678061-44	WO	FD	3,3',4,4'-TETRACHLOROBIPHENYL	0.19	0.19 U	0.19 UJ		PG/L	D5
BA1DC-WO5-0915-2	L1678061-44	WO	FD	3,4,4'-TRICHLOROBIPHENYL	0.14	0.47 J,M	0.47 J		PG/L	TR/G4
BA1DC-WO5-0915-2	L1678061-44	WO	FD	PCB061/070/074/076	0.18	2.0 J,M	2.0 J	+	PG/L	B1/TR/G4
BA2B-WO145-0915-1	L1678061-45	WO	N	2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	0.11	0.56 J	0.56 J		PG/L	TR
BA2B-WO145-0915-1	L1678061-45	WO	N	2,2',3,3',4,4',5,5'-OCTACHLOROBIPHENYL	0.074	0.10 J,M	0.10 J		PG/L	TR/G4
BA2B-WO145-0915-1	L1678061-45	WO	N	2,2',3,3',4,4',5-HEPTACHLOROBIPHENYL	0.087	0.56 J,M	0.56 J		PG/L	TR/G4
BA2B-WO145-0915-1	L1678061-45	WO	N	2,2',3,3',4,4'-HEXACHLOROBIPHENYL	0.085	0.42 J	0.42 J		PG/L	TR
BA2B-WO145-0915-1	L1678061-45	WO	N	2,2',3,3',4,5',6'-HEPTACHLOROBIPHENYL	0.092	0.46 J	0.46 J		PG/L	TR
BA2B-WO145-0915-1	L1678061-45	WO	N	2,2',3,4,4',5,5'-HEPTACHLOROBIPHENYL	0.070	1.1 J	1.1 J		PG/L	TR
BA2B-WO145-0915-1	L1678061-45	WO	N	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	0.094	4.1 J,M	4.1 J		PG/L	TR/G4
BA2B-WO145-0915-1	L1678061-45	WO	N	2,2',3,4',5,5',6'-HEPTACHLOROBIPHENYL	0.073	0.81 J	0.81 J		PG/L	TR
BA2B-WO145-0915-1	L1678061-45	WO	N	2,2',3,4',5,6'-HEXACHLOROBIPHENYL	0.095	3.1 J	3.1 J		PG/L	TR
BA2B-WO145-0915-1	L1678061-45	WO	N	2,2',3,4,5'-PENTACHLOROBIPHENYL/2,3',4,4',6-Pentachlorobiphenyl	0.12	1.7 J,M	1.7 J		PG/L	TR/G4
BA2B-WO145-0915-1	L1678061-45	WO	N	2,2',3,5,5',6'-HEXACHLOROBIPHENYL	0.065	1.4 J	1.4 J		PG/L	TR
BA2B-WO145-0915-1	L1678061-45	WO	N	2,2',3,5'-TETRACHLOROBIPHENYL	0.11	29.0 B	29.0 J	+	PG/L	B1
BA2B-WO145-0915-1	L1678061-45	WO	N	2,2',4,4',5,5'-HEXACHLOROBIPHENYL/2,3',4,4',5,6'-HEXACHLOROBIPHENYL	0.078	2.6 J	2.6 J		PG/L	TR
BA2B-WO145-0915-1	L1678061-45	WO	N	2,2',4,4',5-PENTACHLOROBIPHENYL	0.14	1.8 J,M	1.8 J		PG/L	TR/G4
BA2B-WO145-0915-1	L1678061-45	WO	N	2,2',4,5,5'-PENTACHLOROBIPHENYL	0.13	4.2 J	4.2 J		PG/L	TR

Automated Data Review Detail Report for L1678061

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1668C		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
BA2B-WO145-0915-1	L1678061-45	WO	N	2,2',4,5'-TETRACHLOROBIPHENYL	0.11	3.2 J	3.2 J		PG/L	TR
BA2B-WO145-0915-1	L1678061-45	WO	N	2,2',5,5'-TETRACHLOROBIPHENYL	0.13	7.9 J,B	7.9 J	+	PG/L	B1/TR
BA2B-WO145-0915-1	L1678061-45	WO	N	2,2',5-TRICHLOROBIPHENYL	0.13	4.7 J	4.7 J		PG/L	TR
BA2B-WO145-0915-1	L1678061-45	WO	N	2,3,3',4,4',5'-Hexachlorobiphenyl/2,3,3',4,4',5'-Hexachlorobiphenyl	0.094	0.30 J,M	0.30 J		PG/L	TR/G4
BA2B-WO145-0915-1	L1678061-45	WO	N	2,3,3',4,4',6'-HEXACHLOROBIPHENYL	0.068	0.34 J	0.34 J		PG/L	TR
BA2B-WO145-0915-1	L1678061-45	WO	N	2,3,3',4,4'-PENTACHLOROBIPHENYL	0.14	1.3 J	1.3 J		PG/L	TR
BA2B-WO145-0915-1	L1678061-45	WO	N	2,3,3',4,6'-PENTACHLOROBIPHENYL	0.11	5.1 J	5.1 J	+	PG/L	B1/TR
BA2B-WO145-0915-1	L1678061-45	WO	N	2,3',4,4',5'-PENTACHLOROBIPHENYL	0.13	2.6 J	2.6 J		PG/L	TR
BA2B-WO145-0915-1	L1678061-45	WO	N	2,3',4,4'-TETRACHLOROBIPHENYL	0.19	3.8 J	3.8 J		PG/L	TR
BA2B-WO145-0915-1	L1678061-45	WO	N	2,4,4'-TRICHLOROBIPHENYL	0.18	6.7 J	6.7 J		PG/L	TR
BA2B-WO145-0915-1	L1678061-45	WO	N	2,4',5-TRICHLOROBIPHENYL	0.18	5.5 J	5.5 J		PG/L	TR
BA2B-WO145-0915-1	L1678061-45	WO	N	2,4'-DICHLOROBIPHENYL	0.47	3.6 J	3.6 J		PG/L	TR
BA2B-WO145-0915-1	L1678061-45	WO	N	3,3',4,4'-TETRACHLOROBIPHENYL	0.19	0.33 J,M	0.33 J		PG/L	TR/G4
BA2B-WO145-0915-1	L1678061-45	WO	N	3,4,4'-TRICHLOROBIPHENYL	0.21	1.8 J	1.8 J		PG/L	TR
BA2B-WO145-0915-1	L1678061-45	WO	N	PCB061/070/074/076	0.19	6.3 J	6.3 J	+	PG/L	B1/TR
BA2C-WO5-0915-1	L1678061-46	WO	N	2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	0.082	0.42 J	0.42 J		PG/L	TR
BA2C-WO5-0915-1	L1678061-46	WO	N	2,2',3,3',4,4',5-HEPTACHLOROBIPHENYL	0.068	0.30 J,M	0.30 J		PG/L	TR/G4
BA2C-WO5-0915-1	L1678061-46	WO	N	2,2',3,3',4,4'-HEXACHLOROBIPHENYL	0.055	0.27 J	0.27 J		PG/L	TR
BA2C-WO5-0915-1	L1678061-46	WO	N	2,2',3,3',4,5',6'-HEPTACHLOROBIPHENYL	0.072	0.17 J	0.17 J		PG/L	TR
BA2C-WO5-0915-1	L1678061-46	WO	N	2,2',3,4,4',5,5',6-OCTACHLOROBIPHENYL	0.051	0.064 J,M	0.064 J		PG/L	TR/G4

Automated Data Review Detail Report for L1678061

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1668C		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
BA2C-WO5-0915-1	L1678061-46	WO	N	2,2',3,4,4',5,5'-HEPTACHLOROBIPHENYL	0.055	0.59 J	0.59 J		PG/L	TR
BA2C-WO5-0915-1	L1678061-46	WO	N	2,2',3,4,4',5,6-HEPTACHLOROBIPHENYL	0.064	0.15 J,M	0.15 J		PG/L	TR/G4
BA2C-WO5-0915-1	L1678061-46	WO	N	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	0.060	2.0 J	2.0 J		PG/L	TR
BA2C-WO5-0915-1	L1678061-46	WO	N	2,2',3,4,4',5,6-HEPTACHLOROBIPHENYL	0.057	0.31 J,M	0.31 J		PG/L	TR/G4
BA2C-WO5-0915-1	L1678061-46	WO	N	2,2',3,4',5,6-HEXACHLOROBIPHENYL	0.061	1.5 J	1.5 J		PG/L	TR
BA2C-WO5-0915-1	L1678061-46	WO	N	2,2',3,4,5'-PENTACHLOROBIPHENYL/2,3',4,4',6-Pentachlorobiphenyl	0.070	0.86 J,M	0.86 J		PG/L	TR/G4
BA2C-WO5-0915-1	L1678061-46	WO	N	2,2',3,5,5',6-HEXACHLOROBIPHENYL	0.059	0.57 J,M	0.57 J		PG/L	TR/G4
BA2C-WO5-0915-1	L1678061-46	WO	N	2,2',3,5'-TETRACHLOROBIPHENYL	0.10	5.1 J,B	5.1 J	+	PG/L	B1/TR
BA2C-WO5-0915-1	L1678061-46	WO	N	2,2',4,4',5,5'-HEXACHLOROBIPHENYL/2,3',4,4',5,6-HEXACHLOROBIPHENYL	0.050	1.4 J	1.4 J		PG/L	TR
BA2C-WO5-0915-1	L1678061-46	WO	N	2,2',4,4',5-PENTACHLOROBIPHENYL	0.084	0.98 J	0.98 J		PG/L	TR
BA2C-WO5-0915-1	L1678061-46	WO	N	2,2',4,5,5'-PENTACHLOROBIPHENYL	0.077	2.2 J	2.2 J		PG/L	TR
BA2C-WO5-0915-1	L1678061-46	WO	N	2,2',4,5'-TETRACHLOROBIPHENYL	0.10	1.4 J,M	1.4 J		PG/L	TR/G4
BA2C-WO5-0915-1	L1678061-46	WO	N	2,2',5,5'-TETRACHLOROBIPHENYL	0.12	3.8 J,B	3.8 J	+	PG/L	B1/TR
BA2C-WO5-0915-1	L1678061-46	WO	N	2,2',5-TRICHLOROBIPHENYL	0.096	3.6 J	3.6 J		PG/L	TR
BA2C-WO5-0915-1	L1678061-46	WO	N	2,3,3',4,4',5-Hexachlorobiphenyl/2,3,3',4,4',5'-Hexachlorobiphenyl	0.060	0.19 J	0.19 J		PG/L	TR
BA2C-WO5-0915-1	L1678061-46	WO	N	2,3,3',4,4',6-HEXACHLOROBIPHENYL	0.044	0.16 J,M	0.16 J		PG/L	TR/G4
BA2C-WO5-0915-1	L1678061-46	WO	N	2,3,3',4,4'-PENTACHLOROBIPHENYL	0.081	0.52 J	0.52 J		PG/L	TR

Automated Data Review Detail Report for L1678061

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1668C		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
BA2C-WO5-0915-1	L1678061-46	WO	N	2,3,3',4',6-PENTACHLOROBIPHENYL	0.064	2.8 J	2.8 J	+	PG/L	B1/TR
BA2C-WO5-0915-1	L1678061-46	WO	N	2,3',4,4',5,5'-HEXACHLOROBIPHENYL	0.045	0.087 J	0.087 J		PG/L	TR
BA2C-WO5-0915-1	L1678061-46	WO	N	2,3',4,4',5-PENTACHLOROBIPHENYL	0.076	1.5 J	1.5 J		PG/L	TR
BA2C-WO5-0915-1	L1678061-46	WO	N	2,3',4,4'-TETRACHLOROBIPHENYL	0.13	1.9 J	1.9 J		PG/L	TR
BA2C-WO5-0915-1	L1678061-46	WO	N	2,4,4'-TRICHLOROBIPHENYL	0.13	3.8 J,M	3.8 J		PG/L	TR/G4
BA2C-WO5-0915-1	L1678061-46	WO	N	2,4',5-TRICHLOROBIPHENYL	0.13	3.2 J,M	3.2 J		PG/L	TR/G4
BA2C-WO5-0915-1	L1678061-46	WO	N	2,4'-DICHLOROBIPHENYL	0.36	2.9 J	2.9 J		PG/L	TR
BA2C-WO5-0915-1	L1678061-46	WO	N	3,3',4,4'-TETRACHLOROBIPHENYL	0.13	0.20 J,M	0.20 J		PG/L	TR/G4
BA2C-WO5-0915-1	L1678061-46	WO	N	3,4,4'-TRICHLOROBIPHENYL	0.15	0.84 J,M	0.84 J		PG/L	TR/G4
BA2C-WO5-0915-1	L1678061-46	WO	N	PCB061/070/074/076	0.13	3.1 J	3.1 J	+	PG/L	B1/TR
BA3B-WO145-0915-1	L1678061-42	WO	N	2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	0.094	0.56 J	0.56 J		PG/L	TR
BA3B-WO145-0915-1	L1678061-42	WO	N	2,2',3,3',4,4',5,5'-OCTACHLOROBIPHENYL	0.086	0.27 J	0.27 J		PG/L	TR
BA3B-WO145-0915-1	L1678061-42	WO	N	2,2',3,3',4,4',5-HEPTACHLOROBIPHENYL	0.10	0.36 J,M	0.36 J		PG/L	TR/G4
BA3B-WO145-0915-1	L1678061-42	WO	N	2,2',3,3',4,4'-HEXACHLOROBIPHENYL	0.076	0.41 J	0.41 J		PG/L	TR
BA3B-WO145-0915-1	L1678061-42	WO	N	2,2',3,3',4,5',6'-HEPTACHLOROBIPHENYL	0.11	0.34 J,M	0.34 J		PG/L	TR/G4
BA3B-WO145-0915-1	L1678061-42	WO	N	2,2',3,4,4',5,5',6-OCTACHLOROBIPHENYL	0.099	0.17 J,M	0.17 J		PG/L	TR/G4
BA3B-WO145-0915-1	L1678061-42	WO	N	2,2',3,4,4',5,5'-HEPTACHLOROBIPHENYL	0.081	0.97 J,M	0.97 J		PG/L	TR/G4
BA3B-WO145-0915-1	L1678061-42	WO	N	2,2',3,4,4',5',6-HEPTACHLOROBIPHENYL	0.095	0.32 J	0.32 J		PG/L	TR
BA3B-WO145-0915-1	L1678061-42	WO	N	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	0.084	3.7 J	3.7 J		PG/L	TR
BA3B-WO145-0915-1	L1678061-42	WO	N	2,2',3,4',5,5',6-HEPTACHLOROBIPHENYL	0.085	0.56 J,M	0.56 J		PG/L	TR/G4

Automated Data Review Detail Report for L1678061

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1668C		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
BA3B-WO145-0915-1	L1678061-42	WO	N	2,2',3,4',5',6- HEXACHLOROBIPHENYL	0.085	2.0 J	2.0 J		PG/L	TR
BA3B-WO145-0915-1	L1678061-42	WO	N	2,2',3,4,5'- PENTACHLOROBIPHENYL/2,3', 4,4',6-Pentachlorobiphenyl	0.099	1.8 J,M	1.8 J		PG/L	TR/G4
BA3B-WO145-0915-1	L1678061-42	WO	N	2,2',3,5,5',6- HEXACHLOROBIPHENYL	0.072	0.94 J	0.94 J		PG/L	TR
BA3B-WO145-0915-1	L1678061-42	WO	N	2,2',3,5'- TETRACHLOROBIPHENYL	0.22	5.9 J,B	5.9 J	+	PG/L	B1/TR
BA3B-WO145-0915-1	L1678061-42	WO	N	2,2',4,4',5,5'- HEXACHLOROBIPHENYL/2,3',4 ,4',5',6- HEXACHLOROBIPHENYL	0.070	2.5 J	2.5 J		PG/L	TR
BA3B-WO145-0915-1	L1678061-42	WO	N	2,2',4,4',5- PENTACHLOROBIPHENYL	0.12	2.8 J	2.8 J		PG/L	TR
BA3B-WO145-0915-1	L1678061-42	WO	N	2,2',4,5,5'- PENTACHLOROBIPHENYL	0.11	4.6 J	4.6 J		PG/L	TR
BA3B-WO145-0915-1	L1678061-42	WO	N	2,2',4,5'- TETRACHLOROBIPHENYL	0.21	2.5 J	2.5 J		PG/L	TR
BA3B-WO145-0915-1	L1678061-42	WO	N	2,2',5,5'- TETRACHLOROBIPHENYL	0.25	4.5 J,B	4.5 J	+	PG/L	B1/TR
BA3B-WO145-0915-1	L1678061-42	WO	N	2,2',5-TRICHLOROBIPHENYL	0.14	2.2 J	2.2 J		PG/L	TR
BA3B-WO145-0915-1	L1678061-42	WO	N	2,3,3',4,4',5- Hexachlorobiphenyl/2,3,3',4,4',5'- Hexachlorobiphenyl	0.083	0.30 J,M	0.30 J		PG/L	TR/G4
BA3B-WO145-0915-1	L1678061-42	WO	N	2,3,3',4,4',6- HEXACHLOROBIPHENYL	0.061	0.36 J	0.36 J		PG/L	TR
BA3B-WO145-0915-1	L1678061-42	WO	N	2,3,3',4,4'- PENTACHLOROBIPHENYL	0.10	1.9 J	1.9 J		PG/L	TR
BA3B-WO145-0915-1	L1678061-42	WO	N	2,3,3',4',6- PENTACHLOROBIPHENYL	0.091	5.4 J,M	5.4 J	+	PG/L	B1/TR/G4
BA3B-WO145-0915-1	L1678061-42	WO	N	2,3',4,4',5,5'- HEXACHLOROBIPHENYL	0.065	0.15 J,M	0.15 J		PG/L	TR/G4
BA3B-WO145-0915-1	L1678061-42	WO	N	2,3,4,4',5- PENTACHLOROBIPHENYL	0.10	0.20 J,M	0.20 J		PG/L	TR/G4
BA3B-WO145-0915-1	L1678061-42	WO	N	2,3',4,4',5- PENTACHLOROBIPHENYL	0.099	4.1 J	4.1 J		PG/L	TR

Automated Data Review Detail Report for L1678061

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1668C		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
BA3B-WO145-0915-1	L1678061-42	WO	N	2,3',4,4'-TETRACHLOROBIPHENYL	0.18	4.3 J	4.3 J		PG/L	TR
BA3B-WO145-0915-1	L1678061-42	WO	N	2,4,4'-TRICHLOROBIPHENYL	0.17	3.3 J	3.3 J		PG/L	TR
BA3B-WO145-0915-1	L1678061-42	WO	N	2,4',5-TRICHLOROBIPHENYL	0.17	2.3 J,M	2.3 J		PG/L	TR/G4
BA3B-WO145-0915-1	L1678061-42	WO	N	2,4'-DICHLOROBIPHENYL	0.48	2.0 J	2.0 J		PG/L	TR
BA3B-WO145-0915-1	L1678061-42	WO	N	3,3',4,4'-TETRACHLOROBIPHENYL	0.18	0.38 J	0.38 J		PG/L	TR
BA3B-WO145-0915-1	L1678061-42	WO	N	3,4,4'-TRICHLOROBIPHENYL	0.20	0.75 J	0.75 J		PG/L	TR
BA3B-WO145-0915-1	L1678061-42	WO	N	PCB061/070/074/076	0.18	6.2 J	6.2 J	+	PG/L	B1/TR
BA3B-WO5-0915-1	L1678061-40	WO	N	2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	0.080	0.35 J	0.35 J		PG/L	TR
BA3B-WO5-0915-1	L1678061-40	WO	N	2,2',3,3',4,4',5-HEPTACHLOROBIPHENYL	0.11	0.18 J,M	0.18 J		PG/L	TR/G4
BA3B-WO5-0915-1	L1678061-40	WO	N	2,2',3,3',4,4'-HEXACHLOROBIPHENYL	0.12	0.48 J,M	0.48 J		PG/L	TR/G4
BA3B-WO5-0915-1	L1678061-40	WO	N	2,2',3,3',4,5',6,6'-OctaChloroBiphenyl	0.060	0.17 J,M	0.17 J		PG/L	TR/G4
BA3B-WO5-0915-1	L1678061-40	WO	N	2,2',3,3',4,5',6'-HEPTACHLOROBIPHENYL	0.12	0.17 J,M	0.17 J		PG/L	TR/G4
BA3B-WO5-0915-1	L1678061-40	WO	N	2,2',3,4,4',5,5',6-OCTACHLOROBIPHENYL	0.070	0.097 J,M	0.097 J		PG/L	TR/G4
BA3B-WO5-0915-1	L1678061-40	WO	N	2,2',3,4,4',5,5'-HEPTACHLOROBIPHENYL	0.089	0.44 J	0.44 J		PG/L	TR
BA3B-WO5-0915-1	L1678061-40	WO	N	2,2',3,4,4',5',6-HEPTACHLOROBIPHENYL	0.10	0.14 J,M	0.14 J		PG/L	TR/G4
BA3B-WO5-0915-1	L1678061-40	WO	N	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	0.14	1.4 J	1.4 J		PG/L	TR
BA3B-WO5-0915-1	L1678061-40	WO	N	2,2',3,4',5,5',6-HEPTACHLOROBIPHENYL	0.093	0.31 J	0.31 J		PG/L	TR
BA3B-WO5-0915-1	L1678061-40	WO	N	2,2',3,4',5',6-HEXACHLOROBIPHENYL	0.14	1.4 J	1.4 J		PG/L	TR
BA3B-WO5-0915-1	L1678061-40	WO	N	2,2',3,4,5'-PENTACHLOROBIPHENYL/2,3',4,4',6-Pentachlorobiphenyl	0.13	3.9 J	3.9 J		PG/L	TR
BA3B-WO5-0915-1	L1678061-40	WO	N	2,2',3,5,5',6-HEXACHLOROBIPHENYL	0.091	1.3 J	1.3 J		PG/L	TR

Automated Data Review Detail Report for L1678061

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1668C		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
BA3B-WO5-0915-1	L1678061-40	WO	N	2,2',3,5'-TETRACHLOROBIPHENYL	0.15	8.2 J,B	8.2 J	+	PG/L	B1/TR
BA3B-WO5-0915-1	L1678061-40	WO	N	2,2',4,4',5,5'-HEXACHLOROBIPHENYL/2,3',4,4',5',6-HEXACHLOROBIPHENYL	0.11	1.5 J	1.5 J		PG/L	TR
BA3B-WO5-0915-1	L1678061-40	WO	N	2,2',4,4',5-PENTACHLOROBIPHENYL	0.16	1.8 J,M	1.8 J		PG/L	TR/G4
BA3B-WO5-0915-1	L1678061-40	WO	N	2,2',4,5,5'-PENTACHLOROBIPHENYL	0.15	4.0 J	4.0 J		PG/L	TR
BA3B-WO5-0915-1	L1678061-40	WO	N	2,2',4,5'-TETRACHLOROBIPHENYL	0.15	4.5 J	4.5 J		PG/L	TR
BA3B-WO5-0915-1	L1678061-40	WO	N	2,2',5,5'-TETRACHLOROBIPHENYL	0.17	5.0 J,B	5.0 J	+	PG/L	B1/TR
BA3B-WO5-0915-1	L1678061-40	WO	N	2,2',5-TRICHLOROBIPHENYL	0.26	2.8 J,M	2.8 J		PG/L	TR/G4
BA3B-WO5-0915-1	L1678061-40	WO	N	2,3,3',4,4',5-Hexachlorobiphenyl/2,3,3',4,4',5'-Hexachlorobiphenyl	0.14	0.19 J	0.19 J		PG/L	TR
BA3B-WO5-0915-1	L1678061-40	WO	N	2,3,3',4,4',6-HEXACHLOROBIPHENYL	0.10	0.29 J	0.29 J		PG/L	TR
BA3B-WO5-0915-1	L1678061-40	WO	N	2,3,3',4,4'-PENTACHLOROBIPHENYL	0.10	0.79 J	0.79 J		PG/L	TR
BA3B-WO5-0915-1	L1678061-40	WO	N	2,3,3',4',6-PENTACHLOROBIPHENYL	0.12	3.2 J,M	3.2 J	+	PG/L	B1/TR/G4
BA3B-WO5-0915-1	L1678061-40	WO	N	2,3',4,4',5,5'-HEXACHLOROBIPHENYL	0.10	0.15 J	0.15 J		PG/L	TR
BA3B-WO5-0915-1	L1678061-40	WO	N	2,3,4,4',5-PENTACHLOROBIPHENYL	0.096	0.32 J,M	0.32 J		PG/L	TR/G4
BA3B-WO5-0915-1	L1678061-40	WO	N	2',3,4,4',5-PENTACHLOROBIPHENYL	0.10	0.36 J,M	0.36 J		PG/L	TR/G4
BA3B-WO5-0915-1	L1678061-40	WO	N	2,3',4,4',5-PENTACHLOROBIPHENYL	0.097	1.4 J,M	1.4 J		PG/L	TR/G4
BA3B-WO5-0915-1	L1678061-40	WO	N	2,3',4,4'-TETRACHLOROBIPHENYL	0.29	2.3 J	2.3 J		PG/L	TR
BA3B-WO5-0915-1	L1678061-40	WO	N	2,4,4'-TRICHLOROBIPHENYL	0.37	4.4 J	4.4 J		PG/L	TR
BA3B-WO5-0915-1	L1678061-40	WO	N	2,4',5-TRICHLOROBIPHENYL	0.37	3.5 J	3.5 J		PG/L	TR

Automated Data Review Detail Report for L1678061

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1668C		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
BA3B-WO5-0915-1	L1678061-40	WO	N	3,4,4'-TRICHLOROBIPHENYL	0.34	0.46 J	0.46 J		PG/L	TR
BA3B-WO5-0915-1	L1678061-40	WO	N	PCB061/070/074/076	0.28	6.1 J	6.1 J	+	PG/L	B1/TR
BA3B-WO80-0915-1	L1678061-41	WO	N	2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	0.084	0.40 J,M	0.40 J		PG/L	TR/G4
BA3B-WO80-0915-1	L1678061-41	WO	N	2,2',3,3',4,4',5-HEPTACHLOROBIPHENYL	0.081	0.15 J,M	0.15 J		PG/L	TR/G4
BA3B-WO80-0915-1	L1678061-41	WO	N	2,2',3,3',4,4'-HEXACHLOROBIPHENYL	0.10	0.19 J	0.19 J		PG/L	TR
BA3B-WO80-0915-1	L1678061-41	WO	N	2,2',3,4,4',5,5'-HEPTACHLOROBIPHENYL	0.065	0.34 J	0.34 J		PG/L	TR
BA3B-WO80-0915-1	L1678061-41	WO	N	2,2',3,4,4',5,6-HEPTACHLOROBIPHENYL	0.076	0.12 J,M	0.12 J		PG/L	TR/G4
BA3B-WO80-0915-1	L1678061-41	WO	N	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	0.11	1.2 J	1.2 J		PG/L	TR
BA3B-WO80-0915-1	L1678061-41	WO	N	2,2',3,4',5,5',6-HEPTACHLOROBIPHENYL	0.068	0.17 J,M	0.17 J		PG/L	TR/G4
BA3B-WO80-0915-1	L1678061-41	WO	N	2,2',3,4',5,6-HEXACHLOROBIPHENYL	0.12	0.93 J	0.93 J		PG/L	TR
BA3B-WO80-0915-1	L1678061-41	WO	N	2,2',3,4,5'-PENTACHLOROBIPHENYL/2,3',4,4',6-Pentachlorobiphenyl	0.14	0.77 J,M	0.77 J		PG/L	TR/G4
BA3B-WO80-0915-1	L1678061-41	WO	N	2,2',3,5,5',6-HEXACHLOROBIPHENYL	0.081	0.47 J	0.47 J		PG/L	TR
BA3B-WO80-0915-1	L1678061-41	WO	N	2,2',3,5'-TETRACHLOROBIPHENYL	5.0	4.6 J,B	5.0 U		PG/L	B1
BA3B-WO80-0915-1	L1678061-41	WO	N	2,2',4,4',5,5'-HEXACHLOROBIPHENYL/2,3',4,4',5,6-HEXACHLOROBIPHENYL	0.095	0.97 J,M	0.97 J		PG/L	TR/G4
BA3B-WO80-0915-1	L1678061-41	WO	N	2,2',4,4',5-PENTACHLOROBIPHENYL	0.16	0.92 J	0.92 J		PG/L	TR
BA3B-WO80-0915-1	L1678061-41	WO	N	2,2',4,5,5'-PENTACHLOROBIPHENYL	0.15	1.8 J	1.8 J		PG/L	TR
BA3B-WO80-0915-1	L1678061-41	WO	N	2,2',4,5'-TETRACHLOROBIPHENYL	0.15	1.3 J	1.3 J		PG/L	TR
BA3B-WO80-0915-1	L1678061-41	WO	N	2,2',5,5'-TETRACHLOROBIPHENYL	0.17	2.8 J,B	2.8 J	+	PG/L	B1/TR

Automated Data Review Detail Report for L1678061

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1668C		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
BA3B-WO80-0915-1	L1678061-41	WO	N	2,2',5-TRICHLOROBIPHENYL	0.20	1.8 J	1.8 J		PG/L	TR
BA3B-WO80-0915-1	L1678061-41	WO	N	2,3,3',4,4',6- HEXACHLOROBIPHENYL	0.083	0.10 J	0.10 J		PG/L	TR
BA3B-WO80-0915-1	L1678061-41	WO	N	2,3,3',4,4'- PENTACHLOROBIPHENYL	0.10	0.53 J	0.53 J		PG/L	TR
BA3B-WO80-0915-1	L1678061-41	WO	N	2,3,3',4',6- PENTACHLOROBIPHENYL	0.12	2.4 J,M	2.4 J	+	PG/L	B1/TR/G4
BA3B-WO80-0915-1	L1678061-41	WO	N	2,3',4,4',5- PENTACHLOROBIPHENYL	0.096	1.4 J	1.4 J		PG/L	TR
BA3B-WO80-0915-1	L1678061-41	WO	N	2,3',4,4'- TETRACHLOROBIPHENYL	0.20	1.8 J	1.8 J		PG/L	TR
BA3B-WO80-0915-1	L1678061-41	WO	N	2,4,4'-TRICHLOROBIPHENYL	0.21	2.6 J	2.6 J		PG/L	TR
BA3B-WO80-0915-1	L1678061-41	WO	N	2,4',5-TRICHLOROBIPHENYL	0.21	2.2 J	2.2 J		PG/L	TR
BA3B-WO80-0915-1	L1678061-41	WO	N	2,4'-DICHLOROBIPHENYL	0.61	2.0 J,M	2.0 J		PG/L	TR/G4
BA3B-WO80-0915-1	L1678061-41	WO	N	3,4,4'-TRICHLOROBIPHENYL	0.24	0.44 J	0.44 J		PG/L	TR
BA3B-WO80-0915-1	L1678061-41	WO	N	PCB061/070/074/076	0.20	2.6 J	2.6 J	+	PG/L	B1/TR
BA4DC-WO20-0915-1	L1678061-38	WO	N	2,2',3,3',4,4',5,5',6,6'- Decachlorobiphenyl	0.14	0.38 J,M	0.38 J		PG/L	TR/G4
BA4DC-WO20-0915-1	L1678061-38	WO	N	2,2',3,4,4',5,5'- HEPTACHLOROBIPHENYL	0.16	0.30 J,M	0.30 J		PG/L	TR/G4
BA4DC-WO20-0915-1	L1678061-38	WO	N	2,2',3,4,4',5'- HEXACHLOROBIPHENYL	0.18	1.2 J,M	1.2 J		PG/L	TR/G4
BA4DC-WO20-0915-1	L1678061-38	WO	N	2,2',3,4',5',6- HEXACHLOROBIPHENYL	0.20	1.0 J	1.0 J		PG/L	TR
BA4DC-WO20-0915-1	L1678061-38	WO	N	2,2',3,4,5'- PENTACHLOROBIPHENYL/2,3', 4,4',6-Pentachlorobiphenyl	0.32	1.3 J,M	1.3 J		PG/L	TR/G4
BA4DC-WO20-0915-1	L1678061-38	WO	N	2,2',3,5'- TETRACHLOROBIPHENYL	0.36	5.2 J,B	5.2 J	+	PG/L	B1/TR
BA4DC-WO20-0915-1	L1678061-38	WO	N	2,2',4,4',5,5'- HEXACHLOROBIPHENYL/2,3',4 ,4',5',6- HEXACHLOROBIPHENYL	0.16	1.1 J,M	1.1 J		PG/L	TR/G4
BA4DC-WO20-0915-1	L1678061-38	WO	N	2,2',4,4',5- PENTACHLOROBIPHENYL	0.38	1.4 J	1.4 J		PG/L	TR

Automated Data Review Detail Report for L1678061

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1668C		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
BA4DC-WO20-0915-1	L1678061-38	WO	N	2,2',4,5,5'-PENTACHLOROBIPHENYL	0.35	2.7 J	2.7 J		PG/L	TR
BA4DC-WO20-0915-1	L1678061-38	WO	N	2,2',4,5'-TETRACHLOROBIPHENYL	0.34	1.8 J	1.8 J		PG/L	TR
BA4DC-WO20-0915-1	L1678061-38	WO	N	2,2',5,5'-TETRACHLOROBIPHENYL	0.45	3.2 J,M	3.2 J	+	PG/L	B1/TR/G4
BA4DC-WO20-0915-1	L1678061-38	WO	N	2,2',5-TRICHLOROBIPHENYL	0.51	1.8 J	1.8 J		PG/L	TR
BA4DC-WO20-0915-1	L1678061-38	WO	N	2,3,3',4,4'-PENTACHLOROBIPHENYL	0.29	0.96 J,M	0.96 J		PG/L	TR/G4
BA4DC-WO20-0915-1	L1678061-38	WO	N	2,3,3',4',6-PENTACHLOROBIPHENYL	0.29	2.8 J	2.8 J	+	PG/L	B1/TR
BA4DC-WO20-0915-1	L1678061-38	WO	N	2,3',4,4',5-PENTACHLOROBIPHENYL	0.29	2.1 J	2.1 J		PG/L	TR
BA4DC-WO20-0915-1	L1678061-38	WO	N	2,3',4,4'-TETRACHLOROBIPHENYL	0.34	2.6 J	2.6 J		PG/L	TR
BA4DC-WO20-0915-1	L1678061-38	WO	N	2,4,4'-TRICHLOROBIPHENYL	0.63	2.8 J	2.8 J		PG/L	TR
BA4DC-WO20-0915-1	L1678061-38	WO	N	2,4',5-TRICHLOROBIPHENYL	0.63	2.0 J	2.0 J		PG/L	TR
BA4DC-WO20-0915-1	L1678061-38	WO	N	PCB061/070/074/076	0.33	3.6 J	3.6 J	+	PG/L	B1/TR
BA4DC-WO35-0915-1	L1678061-39	WO	N	2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	0.073	0.62 J	0.62 J		PG/L	TR
BA4DC-WO35-0915-1	L1678061-39	WO	N	2,2',3,3',4,4',5,5'-OCTACHLOROBIPHENYL	0.086	0.099 J,M	0.099 J		PG/L	TR/G4
BA4DC-WO35-0915-1	L1678061-39	WO	N	2,2',3,3',4,4',5-HEPTACHLOROBIPHENYL	0.080	0.36 J	0.36 J		PG/L	TR
BA4DC-WO35-0915-1	L1678061-39	WO	N	2,2',3,3',4,4'-HEXACHLOROBIPHENYL	0.095	0.45 J,M	0.45 J		PG/L	TR/G4
BA4DC-WO35-0915-1	L1678061-39	WO	N	2,2',3,3',4,5',6'-HEPTACHLOROBIPHENYL	0.085	0.33 J,M	0.33 J		PG/L	TR/G4
BA4DC-WO35-0915-1	L1678061-39	WO	N	2,2',3,4,4',5,5',6-OCTACHLOROBIPHENYL	0.075	0.14 J	0.14 J		PG/L	TR
BA4DC-WO35-0915-1	L1678061-39	WO	N	2,2',3,4,4',5,5'-HEPTACHLOROBIPHENYL	0.064	1.0 J	1.0 J		PG/L	TR
BA4DC-WO35-0915-1	L1678061-39	WO	N	2,2',3,4,4',5',6-HEPTACHLOROBIPHENYL	0.075	0.39 J	0.39 J		PG/L	TR
BA4DC-WO35-0915-1	L1678061-39	WO	N	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	0.11	4.1 J	4.1 J		PG/L	TR

Automated Data Review Detail Report for L1678061

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1668C		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
BA4DC-WO35-0915-1	L1678061-39	WO	N	2,2',3,4',5,5',6-HEPTACHLOROBIPHENYL	0.067	0.59 J,M	0.59 J		PG/L	TR/G4
BA4DC-WO35-0915-1	L1678061-39	WO	N	2,2',3,4',5',6-HEXACHLOROBIPHENYL	0.11	3.1 J	3.1 J		PG/L	TR
BA4DC-WO35-0915-1	L1678061-39	WO	N	2,2',3,4,5'-PENTACHLOROBIPHENYL/2,3',4,4',6-Pentachlorobiphenyl	0.13	2.6 J,M	2.6 J		PG/L	TR/G4
BA4DC-WO35-0915-1	L1678061-39	WO	N	2,2',3,5',6-HEXACHLOROBIPHENYL	0.086	1.3 J,M	1.3 J		PG/L	TR/G4
BA4DC-WO35-0915-1	L1678061-39	WO	N	2,2',3,5'-TETRACHLOROBIPHENYL	0.26	8.6 J,B	8.6 J	+	PG/L	B1/TR
BA4DC-WO35-0915-1	L1678061-39	WO	N	2,2',4,4',5,5'-HEXACHLOROBIPHENYL/2,3',4,4',5,6'-Hexachlorobiphenyl	0.088	3.5 J	3.5 J		PG/L	TR
BA4DC-WO35-0915-1	L1678061-39	WO	N	2,2',4,4',5-PENTACHLOROBIPHENYL	0.15	3.8 J	3.8 J		PG/L	TR
BA4DC-WO35-0915-1	L1678061-39	WO	N	2,2',4,5,5'-PENTACHLOROBIPHENYL	0.14	6.8 J	6.8 J		PG/L	TR
BA4DC-WO35-0915-1	L1678061-39	WO	N	2,2',4,5'-TETRACHLOROBIPHENYL	0.25	4.3 J	4.3 J		PG/L	TR
BA4DC-WO35-0915-1	L1678061-39	WO	N	2,2',5,5'-TETRACHLOROBIPHENYL	0.30	7.8 J,B	7.8 J	+	PG/L	B1/TR
BA4DC-WO35-0915-1	L1678061-39	WO	N	2,2',5-TRICHLOROBIPHENYL	0.39	2.5 J	2.5 J		PG/L	TR
BA4DC-WO35-0915-1	L1678061-39	WO	N	2,3,3',4,4',5-Hexachlorobiphenyl/2,3,3',4,4',5'-Hexachlorobiphenyl	0.11	0.38 J	0.38 J		PG/L	TR
BA4DC-WO35-0915-1	L1678061-39	WO	N	2,3,3',4,4',6-HEXACHLOROBIPHENYL	0.077	0.36 J,M	0.36 J		PG/L	TR/G4
BA4DC-WO35-0915-1	L1678061-39	WO	N	2,3,3',4,4'-PENTACHLOROBIPHENYL	0.12	2.3 J	2.3 J		PG/L	TR
BA4DC-WO35-0915-1	L1678061-39	WO	N	2,3,3',4',6-PENTACHLOROBIPHENYL	0.12	8.2 J	8.2 J	+	PG/L	B1/TR
BA4DC-WO35-0915-1	L1678061-39	WO	N	2,3',4,4',5,5'-HEXACHLOROBIPHENYL	0.076	0.14 J,M	0.14 J		PG/L	TR/G4
BA4DC-WO35-0915-1	L1678061-39	WO	N	2,3',4,4',5-PENTACHLOROBIPHENYL	0.12	5.6 J	5.6 J		PG/L	TR

Automated Data Review Detail Report for L1678061

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1668C		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
BA4DC-WO35-0915-1	L1678061-39	WO	N	2,3',4,4'-TETRACHLOROBIPHENYL	0.22	7.3 J	7.3 J		PG/L	TR
BA4DC-WO35-0915-1	L1678061-39	WO	N	2,4,4'-TRICHLOROBIPHENYL	0.31	6.0 J	6.0 J		PG/L	TR
BA4DC-WO35-0915-1	L1678061-39	WO	N	2,4',5-TRICHLOROBIPHENYL	0.31	4.6 J	4.6 J		PG/L	TR
BA4DC-WO35-0915-1	L1678061-39	WO	N	2,4'-DICHLOROBIPHENYL	1.5	2.8 J,M	2.8 J		PG/L	TR/G4
BA4DC-WO35-0915-1	L1678061-39	WO	N	3,3',4,4'-TETRACHLOROBIPHENYL	0.21	0.47 J	0.47 J		PG/L	TR
BA4DC-WO35-0915-1	L1678061-39	WO	N	3,4,4'-TRICHLOROBIPHENYL	0.33	0.86 J,M	0.86 J		PG/L	TR/G4
BA4DC-WO35-0915-1	L1678061-39	WO	N	PCB061/070/074/076	0.22	11.5 J	11.5 J	+	PG/L	B1/TR
BA4DC-WO5-0915-1	L1678061-37	WO	N	2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	0.16	0.51 J	0.51 J		PG/L	TR
BA4DC-WO5-0915-1	L1678061-37	WO	N	2,2',3,3',4,4'-HEXACHLOROBIPHENYL	0.24	0.35 J,M	0.35 J		PG/L	TR/G4
BA4DC-WO5-0915-1	L1678061-37	WO	N	2,2',3,4,4',5,5'-HEPTACHLOROBIPHENYL	0.17	0.31 J,M	0.31 J		PG/L	TR/G4
BA4DC-WO5-0915-1	L1678061-37	WO	N	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	0.25	1.1 J,M	1.1 J		PG/L	TR/G4
BA4DC-WO5-0915-1	L1678061-37	WO	N	2,2',3,4',5',6-HEXACHLOROBIPHENYL	0.27	1.1 J	1.1 J		PG/L	TR
BA4DC-WO5-0915-1	L1678061-37	WO	N	2,2',3,4,5'-PENTACHLOROBIPHENYL/2,3',4,4',6-Pentachlorobiphenyl	0.38	1.6 J	1.6 J		PG/L	TR
BA4DC-WO5-0915-1	L1678061-37	WO	N	2,2',3,5'-TETRACHLOROBIPHENYL	5.0	4.8 J,B	5.0 U		PG/L	B1
BA4DC-WO5-0915-1	L1678061-37	WO	N	2,2',4,4',5,5'-HEXACHLOROBIPHENYL/2,3',4,4',5',6-HEXACHLOROBIPHENYL	0.22	1.2 J	1.2 J		PG/L	TR
BA4DC-WO5-0915-1	L1678061-37	WO	N	2,2',4,4',5-PENTACHLOROBIPHENYL	0.45	1.5 J,M	1.5 J		PG/L	TR/G4
BA4DC-WO5-0915-1	L1678061-37	WO	N	2,2',4,5,5'-PENTACHLOROBIPHENYL	0.41	1.8 J,M	1.8 J		PG/L	TR/G4
BA4DC-WO5-0915-1	L1678061-37	WO	N	2,2',4,5'-TETRACHLOROBIPHENYL	0.40	1.9 J	1.9 J		PG/L	TR
BA4DC-WO5-0915-1	L1678061-37	WO	N	2,2',5,5'-TETRACHLOROBIPHENYL	0.53	3.5 J,B	3.5 J	+	PG/L	B1/TR

Automated Data Review Detail Report for L1678061

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1668C		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
BA4DC-WO5-0915-1	L1678061-37	WO	N	2,2',5-TRICHLOROBIPHENYL	0.76	1.9 J	1.9 J		PG/L	TR
BA4DC-WO5-0915-1	L1678061-37	WO	N	2,3,3',4,4'-PENTACHLOROBIPHENYL	0.30	0.79 J,M	0.79 J		PG/L	TR/G4
BA4DC-WO5-0915-1	L1678061-37	WO	N	2,3,3',4',6-PENTACHLOROBIPHENYL	0.35	2.2 J	2.2 J	+	PG/L	B1/TR
BA4DC-WO5-0915-1	L1678061-37	WO	N	2,3',4,4',5-PENTACHLOROBIPHENYL	0.27	1.2 J,M	1.2 J		PG/L	TR/G4
BA4DC-WO5-0915-1	L1678061-37	WO	N	2,3',4,4'-TETRACHLOROBIPHENYL	0.44	2.2 J	2.2 J		PG/L	TR
BA4DC-WO5-0915-1	L1678061-37	WO	N	2,4,4'-TRICHLOROBIPHENYL	0.66	3.2 J	3.2 J		PG/L	TR
BA4DC-WO5-0915-1	L1678061-37	WO	N	2,4',5-TRICHLOROBIPHENYL	0.65	2.4 J	2.4 J		PG/L	TR
BA4DC-WO5-0915-1	L1678061-37	WO	N	PCB061/070/074/076	0.42	3.1 J,M	3.1 J	+	PG/L	B1/TR/G4
BA5B-WO145-0915-1	L1678061-3	WO	N	2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	0.18	0.62 J,M	0.62 J	+	PG/L	K1/TR/G4
BA5B-WO145-0915-1	L1678061-3	WO	N	2,2',3,3',4,4'-HEXACHLOROBIPHENYL	0.30	0.69 J,M	0.69 J		PG/L	TR/G4
BA5B-WO145-0915-1	L1678061-3	WO	N	2,2',3,4,4',5,5',6-OCTACHLOROBIPHENYL	0.22	0.48 J	0.48 J		PG/L	TR
BA5B-WO145-0915-1	L1678061-3	WO	N	2,2',3,4,4',5,5'-HEPTACHLOROBIPHENYL	0.84	2.2 J	2.2 J		PG/L	TR
BA5B-WO145-0915-1	L1678061-3	WO	N	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	0.34	6.1 J	6.1 J	+	PG/L	K1/TR
BA5B-WO145-0915-1	L1678061-3	WO	N	2,2',3,4',5,6-HEXACHLOROBIPHENYL	0.33	2.7 J,M	2.7 J	+	PG/L	K1/TR/G4
BA5B-WO145-0915-1	L1678061-3	WO	N	2,2',3,4,5'-PENTACHLOROBIPHENYL/2,3',4,4',6-Pentachlorobiphenyl	0.85	3.0 J	3.0 J		PG/L	TR
BA5B-WO145-0915-1	L1678061-3	WO	N	2,2',3,5'-TETRACHLOROBIPHENYL	0.78	7.7 J	7.7 J	+	PG/L	K1/TR
BA5B-WO145-0915-1	L1678061-3	WO	N	2,2',4,4',5,5'-HEXACHLOROBIPHENYL/2,3',4,4',5',6-HEXACHLOROBIPHENYL	0.27	3.3 J,M	3.3 J	+	PG/L	K1/TR/G4
BA5B-WO145-0915-1	L1678061-3	WO	N	2,2',4,4',5-PENTACHLOROBIPHENYL	1.0	4.1 J	4.1 J		PG/L	TR

Automated Data Review Detail Report for L1678061

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1668C		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
BA5B-WO145-0915-1	L1678061-3	WO	N	2,2',4,5,5'-PENTACHLOROBIPHENYL	0.91	7.0 J	7.0 J	+	PG/L	K1/TR
BA5B-WO145-0915-1	L1678061-3	WO	N	2,2',4,5'-TETRACHLOROBIPHENYL	0.71	3.9 J	3.9 J	+	PG/L	K1/TR
BA5B-WO145-0915-1	L1678061-3	WO	N	2,2',5,5'-TETRACHLOROBIPHENYL	0.87	8.0 J	8.0 j	+	PG/L	K1/TR
BA5B-WO145-0915-1	L1678061-3	WO	N	2,2',5-TRICHLOROBIPHENYL	2.3	2.4 J,M	2.4 J		PG/L	TR/G4
BA5B-WO145-0915-1	L1678061-3	WO	N	2,3,3',4,4',5'-Hexachlorobiphenyl/2,3,3',4,4',5'-Hexachlorobiphenyl	0.35	0.69 J	0.69 J		PG/L	TR
BA5B-WO145-0915-1	L1678061-3	WO	N	2,3,3',4,4'-PENTACHLOROBIPHENYL	0.60	2.3 J	2.3 J		PG/L	TR
BA5B-WO145-0915-1	L1678061-3	WO	N	2,3,3',4',6-PENTACHLOROBIPHENYL	0.79	7.3 J	7.3 J	+	PG/L	K1/TR
BA5B-WO145-0915-1	L1678061-3	WO	N	2,3',4,4',5-PENTACHLOROBIPHENYL	0.59	4.2 J,M	4.2 J	+	PG/L	K1/TR/G4
BA5B-WO145-0915-1	L1678061-3	WO	N	2,3',4,4'-TETRACHLOROBIPHENYL	0.46	6.0 J,M	6.0 J		PG/L	TR/G4
BA5B-WO145-0915-1	L1678061-3	WO	N	2,4,4'-TRICHLOROBIPHENYL	2.3	5.6 J	5.6 J		PG/L	TR
BA5B-WO145-0915-1	L1678061-3	WO	N	2,4',5-TRICHLOROBIPHENYL	2.2	3.0 J,M	3.0 J		PG/L	TR/G4
BA5B-WO145-0915-1	L1678061-3	WO	N	PCB061/070/074/076	0.45	9.4 J	9.4 J	+	PG/L	K1/TR
BA5B-WO5-0915-1	L1678061-1	WO	N	2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	0.48	0.55 J,M	0.55 J	+	PG/L	K1/TR/G4
BA5B-WO5-0915-1	L1678061-1	WO	N	2,2',3,5,5',6-HEXACHLOROBIPHENYL	0.62	0.95 J,M	0.95 J		PG/L	TR/G4
BA5B-WO5-0915-1	L1678061-1	WO	N	2,2',3,5'-TETRACHLOROBIPHENYL	1.4	4.0 J,M	4.0 J	+	PG/L	K1/TR/G4
BA5B-WO5-0915-1	L1678061-1	WO	N	2,2',4,5,5'-PENTACHLOROBIPHENYL	2.0	4.5 J	4.5 J	+	PG/L	K1/TR
BA5B-WO5-0915-1	L1678061-1	WO	N	2,2',4,5'-TETRACHLOROBIPHENYL	1.3	1.9 J,M	1.9 J	+	PG/L	K1/TR/G4
BA5B-WO5-0915-1	L1678061-1	WO	N	2,2',5,5'-TETRACHLOROBIPHENYL	1.6	4.1 J,M	4.1 J	+	PG/L	K1/TR/G4
BA5B-WO5-0915-1	L1678061-1	WO	N	2,3,3',4',6-PENTACHLOROBIPHENYL	1.7	4.2 J,M	4.2 J	+	PG/L	K1/TR/G4

Automated Data Review Detail Report for L1678061

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1668C		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
BA5B-WO5-0915-1	L1678061-1	WO	N	2,3',4,4',5-PENTACHLOROBIPHENYL	1.1	1.1 U	1.1 U		PG/L	K1
BA5B-WO5-0915-1	L1678061-1	WO	N	PCB061/070/074/076	1.1	3.4 J,M	3.4 J	+	PG/L	K1/TR/G4
BA5B-WO75-0915-1	L1678061-2	WO	N	2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	0.19	0.58 J,M	0.58 J	+	PG/L	K1/TR/G4
BA5B-WO75-0915-1	L1678061-2	WO	N	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	0.40	2.7 J,M	2.7 J	+	PG/L	K1/TR/G4
BA5B-WO75-0915-1	L1678061-2	WO	N	2,2',3,4',5',6-HEXACHLOROBIPHENYL	0.38	1.4 J,M	1.4 J	+	PG/L	K1/TR/G4
BA5B-WO75-0915-1	L1678061-2	WO	N	2,2',3,5'-TETRACHLOROBIPHENYL	0.64	5.9 J	5.9 J	+	PG/L	K1/TR
BA5B-WO75-0915-1	L1678061-2	WO	N	2,2',4,4',5,5'-HEXACHLOROBIPHENYL/2,3',4,4',5,6-HEXACHLOROBIPHENYL	0.32	1.5 J,M	1.5 J	+	PG/L	K1/TR/G4
BA5B-WO75-0915-1	L1678061-2	WO	N	2,2',4,4',5-PENTACHLOROBIPHENYL	1.2	2.5 J,M	2.5 J		PG/L	TR/G4
BA5B-WO75-0915-1	L1678061-2	WO	N	2,2',4,5,5'-PENTACHLOROBIPHENYL	1.1	4.3 J	4.3 J	+	PG/L	K1/TR
BA5B-WO75-0915-1	L1678061-2	WO	N	2,2',4,5'-TETRACHLOROBIPHENYL	0.59	2.8 J	2.8 J	+	PG/L	K1/TR
BA5B-WO75-0915-1	L1678061-2	WO	N	2,2',5,5'-TETRACHLOROBIPHENYL	0.72	4.8 J	4.8 j	+	PG/L	K1/TR
BA5B-WO75-0915-1	L1678061-2	WO	N	2,3,3',4',6-PENTACHLOROBIPHENYL	0.95	4.1 J	4.1 J	+	PG/L	K1/TR
BA5B-WO75-0915-1	L1678061-2	WO	N	2,3',4,4',5-PENTACHLOROBIPHENYL	0.77	3.0 J,M	3.0 J	+	PG/L	K1/TR/G4
BA5B-WO75-0915-1	L1678061-2	WO	N	2,3',4,4'-TETRACHLOROBIPHENYL	0.63	3.5 J,M	3.5 J		PG/L	TR/G4
BA5B-WO75-0915-1	L1678061-2	WO	N	PCB061/070/074/076	0.62	5.7 J	5.7 J	+	PG/L	K1/TR
BA5C-WO30-0915-1	L1678061-5	WO	N	2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	0.16	0.44 J,M	0.44 J	+	PG/L	K1/TR/G4
BA5C-WO30-0915-1	L1678061-5	WO	N	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	0.33	1.4 J,M	1.4 J	+	PG/L	K1/TR/G4
BA5C-WO30-0915-1	L1678061-5	WO	N	2,2',3,4',5',6-HEXACHLOROBIPHENYL	0.31	1.2 J,M	1.2 J	+	PG/L	K1/TR/G4

Automated Data Review Detail Report for L1678061

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1668C		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
BA5C-WO30-0915-1	L1678061-5	WO	N	2,2',3,5'-TETRACHLOROBIPHENYL	0.60	4.0 J	4.0 J	+	PG/L	K1/TR
BA5C-WO30-0915-1	L1678061-5	WO	N	2,2',4,4',5,5'-HEXACHLOROBIPHENYL/2,3',4',4',5',6'-HEXACHLOROBIPHENYL	0.26	0.97 J	0.97 J	+	PG/L	K1/TR
BA5C-WO30-0915-1	L1678061-5	WO	N	2,2',4,5,5'-PENTACHLOROBIPHENYL	0.93	2.2 J	2.2 J	+	PG/L	K1/TR
BA5C-WO30-0915-1	L1678061-5	WO	N	2,2',4,5'-TETRACHLOROBIPHENYL	0.54	1.8 J	1.8 J	+	PG/L	K1/TR
BA5C-WO30-0915-1	L1678061-5	WO	N	2,2',5,5'-TETRACHLOROBIPHENYL	0.67	2.9 J	2.9 j	+	PG/L	K1/TR
BA5C-WO30-0915-1	L1678061-5	WO	N	2,3,3',4,4'-PENTACHLOROBIPHENYL	0.56	0.71 J,M	0.71 J		PG/L	TR/G4
BA5C-WO30-0915-1	L1678061-5	WO	N	2,3,3',4',6'-PENTACHLOROBIPHENYL	0.80	2.0 J	2.0 J	+	PG/L	K1/TR
BA5C-WO30-0915-1	L1678061-5	WO	N	2,3',4,4',5'-PENTACHLOROBIPHENYL	0.53	1.8 J,M	1.8 J	+	PG/L	K1/TR/G4
BA5C-WO30-0915-1	L1678061-5	WO	N	2,3',4,4'-TETRACHLOROBIPHENYL	0.46	2.1 J	2.1 J		PG/L	TR
BA5C-WO30-0915-1	L1678061-5	WO	N	PCB061/070/074/076	0.45	2.8 J,M	2.8 J	+	PG/L	K1/TR/G4
BA5C-WO5-0915-1	L1678061-4	WO	N	2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	0.22	0.47 J	0.47 J	+	PG/L	K1/TR
BA5C-WO5-0915-1	L1678061-4	WO	N	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	0.36	1.1 J	1.1 J	+	PG/L	K1/TR
BA5C-WO5-0915-1	L1678061-4	WO	N	2,2',3,4',5',6'-HEXACHLOROBIPHENYL	0.35	1.1 J	1.1 J	+	PG/L	K1/TR
BA5C-WO5-0915-1	L1678061-4	WO	N	2,2',3,5'-TETRACHLOROBIPHENYL	0.64	5.1 J	5.1 J	+	PG/L	K1/TR
BA5C-WO5-0915-1	L1678061-4	WO	N	2,2',4,4',5,5'-HEXACHLOROBIPHENYL/2,3',4',4',5',6'-HEXACHLOROBIPHENYL	0.28	1.3 J	1.3 J	+	PG/L	K1/TR
BA5C-WO5-0915-1	L1678061-4	WO	N	2,2',4,5,5'-PENTACHLOROBIPHENYL	0.99	1.2 J,M	1.2 J	+	PG/L	K1/TR/G4
BA5C-WO5-0915-1	L1678061-4	WO	N	2,2',4,5'-TETRACHLOROBIPHENYL	0.58	1.4 J	1.4 J	+	PG/L	K1/TR

Automated Data Review Detail Report for L1678061

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1668C		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
BA5C-WO5-0915-1	L1678061-4	WO	N	2,2',5,5'-TETRACHLOROBIPHENYL	0.71	2.5 J	2.5 j	+	PG/L	K1/TR
BA5C-WO5-0915-1	L1678061-4	WO	N	2,3,3',4,4'-PENTACHLOROBIPHENYL	0.68	1.1 J,M	1.1 J		PG/L	TR/G4
BA5C-WO5-0915-1	L1678061-4	WO	N	2,3,3',4',6-PENTACHLOROBIPHENYL	0.85	1.4 J,M	1.4 J	+	PG/L	K1/TR/G4
BA5C-WO5-0915-1	L1678061-4	WO	N	2,3',4,4',5-PENTACHLOROBIPHENYL	1.0	1.0 J,M	1.0 U		PG/L	K1/G4
BA5C-WO5-0915-1	L1678061-4	WO	N	PCB061/070/074/076	0.75	2.3 J	2.3 J	+	PG/L	K1/TR
BA5C-WO55-0915-1	L1678061-6	WO	N	2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	0.16	0.44 J,M	0.44 J	+	PG/L	K1/TR/G4
BA5C-WO55-0915-1	L1678061-6	WO	N	2,2',3,4,4',5'-HEPTACHLOROBIPHENYL	0.74	1.0 J	1.0 J		PG/L	TR
BA5C-WO55-0915-1	L1678061-6	WO	N	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	0.52	3.6 J,M	3.6 J	+	PG/L	K1/TR/G4
BA5C-WO55-0915-1	L1678061-6	WO	N	2,2',3,4',5',6-HEXACHLOROBIPHENYL	0.50	2.9 J	2.9 J	+	PG/L	K1/TR
BA5C-WO55-0915-1	L1678061-6	WO	N	2,2',3,4,5'-PENTACHLOROBIPHENYL/2,3',4,4',6-Pentachlorobiphenyl	0.89	1.7 J,M	1.7 J		PG/L	TR/G4
BA5C-WO55-0915-1	L1678061-6	WO	N	2,2',3,5,5',6-HEXACHLOROBIPHENYL	0.32	0.43 J,M	0.43 J		PG/L	TR/G4
BA5C-WO55-0915-1	L1678061-6	WO	N	2,2',3,5'-TETRACHLOROBIPHENYL	0.60	8.3 J	8.3 J	+	PG/L	K1/TR
BA5C-WO55-0915-1	L1678061-6	WO	N	2,2',4,4',5,5'-HEXACHLOROBIPHENYL/2,3',4,4',5,6-HEXACHLOROBIPHENYL	0.41	2.8 J	2.8 J	+	PG/L	K1/TR
BA5C-WO55-0915-1	L1678061-6	WO	N	2,2',4,4',5-PENTACHLOROBIPHENYL	1.1	3.8 J	3.8 J		PG/L	TR
BA5C-WO55-0915-1	L1678061-6	WO	N	2,2',4,5,5'-PENTACHLOROBIPHENYL	0.96	5.7 J	5.7 J	+	PG/L	K1/TR
BA5C-WO55-0915-1	L1678061-6	WO	N	2,2',4,5'-TETRACHLOROBIPHENYL	0.55	3.0 J	3.0 J	+	PG/L	K1/TR
BA5C-WO55-0915-1	L1678061-6	WO	N	2,2',5,5'-TETRACHLOROBIPHENYL	0.68	7.2 J	7.2 j	+	PG/L	K1/TR

Automated Data Review Detail Report for L1678061

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1668C		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
BA5C-WO55-0915-1	L1678061-6	WO	N	2,3,3',4,4'-PENTACHLOROBIPHENYL	0.61	2.2 J	2.2 J		PG/L	TR
BA5C-WO55-0915-1	L1678061-6	WO	N	2,3,3',4',6-PENTACHLOROBIPHENYL	0.82	6.3 J	6.3 J	+	PG/L	K1/TR
BA5C-WO55-0915-1	L1678061-6	WO	N	2,3',4,4',5-PENTACHLOROBIPHENYL	0.65	3.4 J,M	3.4 J	+	PG/L	K1/TR/G4
BA5C-WO55-0915-1	L1678061-6	WO	N	2,3',4,4'-TETRACHLOROBIPHENYL	0.58	5.7 J	5.7 J		PG/L	TR
BA5C-WO55-0915-1	L1678061-6	WO	N	2,4,4'-TRICHLOROBIPHENYL	2.8	4.9 J,M	4.9 J		PG/L	TR/G4
BA5C-WO55-0915-1	L1678061-6	WO	N	2,4',5-TRICHLOROBIPHENYL	2.7	3.9 J,M	3.9 J		PG/L	TR/G4
BA5C-WO55-0915-1	L1678061-6	WO	N	PCB061/070/074/076	0.57	8.8 J	8.8 J	+	PG/L	K1/TR
BA5C-WO58-0915-1	L1678061-7	WO	N	2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	0.18	0.44 J,M	0.44 J	+	PG/L	K1/TR/G4/D5
BA5C-WO58-0915-1	L1678061-7	WO	N	2,2',3,3',4,4',5,5'-OCTACHLOROBIPHENYL	0.18	0.19 J,M	0.19 J		PG/L	TR/G4
BA5C-WO58-0915-1	L1678061-7	WO	N	2,2',3,3',4,4'-HEXACHLOROBIPHENYL	0.36	0.41 J,M	0.41 J		PG/L	TR/G4
BA5C-WO58-0915-1	L1678061-7	WO	N	2,2',3,4,4',5,5'-HEPTACHLOROBIPHENYL	0.66	0.66 M,U	0.66 UJ		PG/L	D5
BA5C-WO58-0915-1	L1678061-7	WO	N	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	0.40	4.1 J	4.1 J	+	PG/L	K1/TR
BA5C-WO58-0915-1	L1678061-7	WO	N	2,2',3,4',5',6-HEXACHLOROBIPHENYL	0.36	2.8 J	2.8 J	+	PG/L	K1/TR
BA5C-WO58-0915-1	L1678061-7	WO	N	2,2',3,4,5'-PENTACHLOROBIPHENYL/2,3',4,4',6-Pentachlorobiphenyl	0.47	4.5 J,M	4.5 J		PG/L	TR/G4
BA5C-WO58-0915-1	L1678061-7	WO	N	2,2',3,5',6-HEXACHLOROBIPHENYL	0.30	1.1 J	1.1 J		PG/L	TR
BA5C-WO58-0915-1	L1678061-7	WO	N	2,2',3,5'-TETRACHLOROBIPHENYL	0.45	10.4 J	10.4 J	+	PG/L	K1/TR
BA5C-WO58-0915-1	L1678061-7	WO	N	2,2',4,4',5,5'-HEXACHLOROBIPHENYL/2,3',4,4',5',6-HEXACHLOROBIPHENYL	0.29	2.2 J,M	2.2 J	+	PG/L	K1/TR/G4
BA5C-WO58-0915-1	L1678061-7	WO	N	2,2',4,4',5-PENTACHLOROBIPHENYL	0.58	4.7 J	4.7 J		PG/L	TR

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Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1668C		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
BA5C-WO58-0915-1	L1678061-7	WO	N	2,2',4,5,5'-PENTACHLOROBIPHENYL	0.50	6.7 J	6.7 J	+	PG/L	K1/TR
BA5C-WO58-0915-1	L1678061-7	WO	N	2,2',4,5'-TETRACHLOROBIPHENYL	0.41	5.6 J	5.6 J	+	PG/L	K1/TR
BA5C-WO58-0915-1	L1678061-7	WO	N	2,2',5,5'-TETRACHLOROBIPHENYL	0.55	11.5 J	11.5 j	+	PG/L	K1/TR
BA5C-WO58-0915-1	L1678061-7	WO	N	2,2',5-TRICHLOROBIPHENYL	2.3	2.7 J,M	2.7 J		PG/L	TR/G4
BA5C-WO58-0915-1	L1678061-7	WO	N	2,3,3',4,4',5'-Hexachlorobiphenyl/2,3,3',4,4',5'-Hexachlorobiphenyl	0.36	0.60 J,M	0.60 J		PG/L	TR/G4
BA5C-WO58-0915-1	L1678061-7	WO	N	2,3,3',4,4'-PENTACHLOROBIPHENYL	0.47	3.2 J	3.2 J		PG/L	TR
BA5C-WO58-0915-1	L1678061-7	WO	N	2,3,3',4',6-PENTACHLOROBIPHENYL	0.44	7.8 J,M	7.8 J	+	PG/L	K1/TR/G4
BA5C-WO58-0915-1	L1678061-7	WO	N	2,3',4,4',5-PENTACHLOROBIPHENYL	0.45	6.2 J	6.2 J	+	PG/L	K1/TR
BA5C-WO58-0915-1	L1678061-7	WO	N	2,3',4,4'-TETRACHLOROBIPHENYL	0.59	7.6 J,M	7.6 J		PG/L	TR/G4/D5
BA5C-WO58-0915-1	L1678061-7	WO	N	2,4,4'-TRICHLOROBIPHENYL	2.3	6.9 J	6.9 J		PG/L	TR
BA5C-WO58-0915-1	L1678061-7	WO	N	2,4',5-TRICHLOROBIPHENYL	2.3	5.6 J	5.6 J		PG/L	TR
BA5C-WO58-0915-1	L1678061-7	WO	N	PCB061/070/074/076	0.57	14.3 J	14.3 J	+	PG/L	K1/TR
BA5C-WO58-0915-2	L1678061-8	WO	FD	2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	0.19	0.71 J	0.71 J	+	PG/L	K1/TR/D5
BA5C-WO58-0915-2	L1678061-8	WO	FD	2,2',3,3',4,4',5,5'-OCTACHLOROBIPHENYL	0.22	0.26 J,M	0.26 J		PG/L	TR/G4
BA5C-WO58-0915-2	L1678061-8	WO	FD	2,2',3,3',4,4'-HEXACHLOROBIPHENYL	0.35	0.48 J	0.48 J		PG/L	TR
BA5C-WO58-0915-2	L1678061-8	WO	FD	2,2',3,4,4',5,5'-HEPTACHLOROBIPHENYL	0.72	0.94 J,M	0.94 J		PG/L	G4/TR/D5
BA5C-WO58-0915-2	L1678061-8	WO	FD	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	0.39	5.3 J	5.3 J	+	PG/L	K1/TR
BA5C-WO58-0915-2	L1678061-8	WO	FD	2,2',3,4',5,6-HEXACHLOROBIPHENYL	0.35	3.6 J	3.6 J	+	PG/L	K1/TR
BA5C-WO58-0915-2	L1678061-8	WO	FD	2,2',3,4,5'-PENTACHLOROBIPHENYL/2,3',4,4',6-Pentachlorobiphenyl	0.72	6.0 J	6.0 J		PG/L	TR

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Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1668C		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
BA5C-WO58-0915-2	L1678061-8	WO	FD	2,2',3,5,5',6- HEXACHLOROBIPHENYL	0.31	1.4 J	1.4 J		PG/L	TR
BA5C-WO58-0915-2	L1678061-8	WO	FD	2,2',3,5'- TETRACHLOROBIPHENYL	0.56	12.1 J	12.1 J	+	PG/L	K1/TR
BA5C-WO58-0915-2	L1678061-8	WO	FD	2,2',4,4',5,5'- HEXACHLOROBIPHENYL/2,3',4 ,4',5',6- HEXACHLOROBIPHENYL	0.28	3.1 J	3.1 J	+	PG/L	K1/TR
BA5C-WO58-0915-2	L1678061-8	WO	FD	2,2',4,4',5- PENTACHLOROBIPHENYL	0.88	3.9 J,M	3.9 J		PG/L	TR/G4
BA5C-WO58-0915-2	L1678061-8	WO	FD	2,2',4,5,5'- PENTACHLOROBIPHENYL	0.76	8.1 J,M	8.1 J	+	PG/L	K1/TR/G4
BA5C-WO58-0915-2	L1678061-8	WO	FD	2,2',4,5'- TETRACHLOROBIPHENYL	0.50	6.4 J	6.4 J	+	PG/L	K1/TR
BA5C-WO58-0915-2	L1678061-8	WO	FD	2,2',5,5'- TETRACHLOROBIPHENYL	0.68	14.6 J	14.6 j	+	PG/L	K1/TR
BA5C-WO58-0915-2	L1678061-8	WO	FD	2,2',5-TRICHLOROBIPHENYL	3.4	3.9 J	3.9 J		PG/L	TR
BA5C-WO58-0915-2	L1678061-8	WO	FD	2,3,3',4,4',5- Hexachlorobiphenyl/2,3,3',4,4',5'- Hexachlorobiphenyl	0.36	0.47 J,M	0.47 J		PG/L	TR/G4
BA5C-WO58-0915-2	L1678061-8	WO	FD	2,3,3',4,4'- PENTACHLOROBIPHENYL	0.57	2.7 J,M	2.7 J		PG/L	TR/G4
BA5C-WO58-0915-2	L1678061-8	WO	FD	2,3,3',4',6- PENTACHLOROBIPHENYL	0.67	11.1 J	11.1 J	+	PG/L	K1/TR
BA5C-WO58-0915-2	L1678061-8	WO	FD	2,3',4,4',5- PENTACHLOROBIPHENYL	0.59	7.5 J	7.5 J	+	PG/L	K1/TR
BA5C-WO58-0915-2	L1678061-8	WO	FD	2,3',4,4'- TETRACHLOROBIPHENYL	0.53	11.9 J	11.9 J		PG/L	TR/D5
BA5C-WO58-0915-2	L1678061-8	WO	FD	2,4,4'-TRICHLOROBIPHENYL	2.5	8.9 J	8.9 J		PG/L	TR
BA5C-WO58-0915-2	L1678061-8	WO	FD	2,4',5-TRICHLOROBIPHENYL	2.4	6.3 J	6.3 J		PG/L	TR
BA5C-WO58-0915-2	L1678061-8	WO	FD	PCB061/070/074/076	0.52	17.4 M	17.4 J	+	PG/L	K1
BA5DC-WO20-0915-1	L1678061-12	WO	N	2,2',3,3',4,4',5,5',6,6'- Decachlorobiphenyl	0.43	0.42 J	0.43 U		PG/L	K1
BA5DC-WO20-0915-1	L1678061-12	WO	N	2,2',3,4,4',5'- HEXACHLOROBIPHENYL	0.26	1.1 J,M	1.1 J	+	PG/L	K1/TR/G4

Automated Data Review Detail Report for L1678061

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1668C		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
BA5DC-WO20-0915-1	L1678061-12	WO	N	2,2',3,4',5',6'- HEXACHLOROBIPHENYL	0.23	0.81 J	0.81 J	+	PG/L	K1/TR
BA5DC-WO20-0915-1	L1678061-12	WO	N	2,2',3,4,5'- PENTACHLOROBIPHENYL/2,3', 4,4',6-Pentachlorobiphenyl	0.58	0.92 J	0.92 J		PG/L	TR
BA5DC-WO20-0915-1	L1678061-12	WO	N	2,2',3,5'- TETRACHLOROBIPHENYL	0.52	2.9 J	2.9 J	+	PG/L	K1/TR
BA5DC-WO20-0915-1	L1678061-12	WO	N	2,2',4,4',5,5'- HEXACHLOROBIPHENYL/2,3',4 ,4',5',6- HEXACHLOROBIPHENYL	0.19	0.71 J,M	0.71 J	+	PG/L	K1/TR/G4
BA5DC-WO20-0915-1	L1678061-12	WO	N	2,2',4,5,5'- PENTACHLOROBIPHENYL	0.61	1.3 J	1.3 J	+	PG/L	K1/TR
BA5DC-WO20-0915-1	L1678061-12	WO	N	2,2',5,5'- TETRACHLOROBIPHENYL	0.64	2.3 J	2.3 j	+	PG/L	K1/TR
BA5DC-WO20-0915-1	L1678061-12	WO	N	2,3,3',4,4'- PENTACHLOROBIPHENYL	0.37	0.73 J,M	0.73 J		PG/L	TR/G4
BA5DC-WO20-0915-1	L1678061-12	WO	N	2,3,3',4',6'- PENTACHLOROBIPHENYL	0.54	1.2 J,M	1.2 J	+	PG/L	K1/TR/G4
BA5DC-WO20-0915-1	L1678061-12	WO	N	2,3',4,4',5'- PENTACHLOROBIPHENYL	0.68	0.68 J,M	0.68 U		PG/L	K1/G4
BA5DC-WO20-0915-1	L1678061-12	WO	N	PCB061/070/074/076	0.51	1.8 J	1.8 J	+	PG/L	K1/TR
BA5DC-WO35-0915-1	L1678061-13	WO	N	2,2',3,4,4',5'- HEXACHLOROBIPHENYL	1.3	3.2 J,M	3.2 J	+	PG/L	K1/TR/G4
BA5DC-WO35-0915-1	L1678061-13	WO	N	2,2',3,4',5',6'- HEXACHLOROBIPHENYL	1.2	2.0 J	2.0 J	+	PG/L	K1/TR
BA5DC-WO35-0915-1	L1678061-13	WO	N	2,2',3,5'- TETRACHLOROBIPHENYL	3.6	8.1 J	8.1 J	+	PG/L	K1/TR
BA5DC-WO35-0915-1	L1678061-13	WO	N	2,2',4,4',5,5'- HEXACHLOROBIPHENYL/2,3',4 ,4',5',6- HEXACHLOROBIPHENYL	0.95	1.8 J,M	1.8 J	+	PG/L	K1/TR/G4
BA5DC-WO35-0915-1	L1678061-13	WO	N	2,2',4,5,5'- PENTACHLOROBIPHENYL	2.7	4.5 J,M	4.5 J	+	PG/L	K1/TR/G4
BA5DC-WO35-0915-1	L1678061-13	WO	N	2,2',4,5'- TETRACHLOROBIPHENYL	3.3	3.5 J	3.5 J	+	PG/L	K1/TR
BA5DC-WO35-0915-1	L1678061-13	WO	N	2,2',5,5'- TETRACHLOROBIPHENYL	4.5	6.2 J	6.2 j	+	PG/L	K1/TR

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EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1668C		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
BA5DC-WO35-0915-1	L1678061-13	WO	N	2,3,3',4',6-PENTACHLOROBIPHENYL	2.4	6.6 J	6.6 J	+	PG/L	K1/TR
BA5DC-WO35-0915-1	L1678061-13	WO	N	2,3',4,4',5-PENTACHLOROBIPHENYL	1.1	1.1 U	1.1 U		PG/L	K1
BA5DC-WO35-0915-1	L1678061-13	WO	N	2,3',4,4'-TETRACHLOROBIPHENYL	3.0	6.7 J,M	6.7 J		PG/L	TR/G4
BA5DC-WO35-0915-1	L1678061-13	WO	N	PCB061/070/074/076	2.9	10.4 J	10.4 J	+	PG/L	K1/TR
BA5DC-WO38-0915-1	L1678061-14	WO	N	2,2',3,3',4,4'-HEXACHLOROBIPHENYL	0.35	0.45 J	0.45 J		PG/L	TR/D5
BA5DC-WO38-0915-1	L1678061-14	WO	N	2,2',3,4,4',5,5'-HEPTACHLOROBIPHENYL	0.54	0.89 J,M	0.89 J		PG/L	TR/G4
BA5DC-WO38-0915-1	L1678061-14	WO	N	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	0.39	5.0 J	5.0 J	+	PG/L	K1/TR/D5
BA5DC-WO38-0915-1	L1678061-14	WO	N	2,2',3,4',5,5',6-HEPTACHLOROBIPHENYL	0.58	0.69 J,M	0.69 J		PG/L	TR/G4
BA5DC-WO38-0915-1	L1678061-14	WO	N	2,2',3,4',5',6-HEXACHLOROBIPHENYL	0.35	3.1 J	3.1 J	+	PG/L	K1/TR
BA5DC-WO38-0915-1	L1678061-14	WO	N	2,2',3,4,5'-PENTACHLOROBIPHENYL/2,3',4,4',6-Pentachlorobiphenyl	0.51	5.9 J	5.9 J		PG/L	TR
BA5DC-WO38-0915-1	L1678061-14	WO	N	2,2',3,5,5',6-HEXACHLOROBIPHENYL	0.28	1.7 J	1.7 J		PG/L	TR/D5
BA5DC-WO38-0915-1	L1678061-14	WO	N	2,2',3,5'-TETRACHLOROBIPHENYL	0.45	9.5 J,M	9.5 J	+	PG/L	K1/TR/G4
BA5DC-WO38-0915-1	L1678061-14	WO	N	2,2',4,4',5,5'-HEXACHLOROBIPHENYL/2,3',4,4',5,5',6-HEXACHLOROBIPHENYL	0.29	3.4 J,M	3.4 J	+	PG/L	K1/TR/G4
BA5DC-WO38-0915-1	L1678061-14	WO	N	2,2',4,4',5-PENTACHLOROBIPHENYL	0.63	4.8 J	4.8 J		PG/L	TR
BA5DC-WO38-0915-1	L1678061-14	WO	N	2,2',4,5,5'-PENTACHLOROBIPHENYL	0.54	8.2 J,M	8.2 J	+	PG/L	K1/TR/G4
BA5DC-WO38-0915-1	L1678061-14	WO	N	2,2',4,5'-TETRACHLOROBIPHENYL	0.40	5.5 J	5.5 J	+	PG/L	K1/TR
BA5DC-WO38-0915-1	L1678061-14	WO	N	2,2',5,5'-TETRACHLOROBIPHENYL	0.55	11.7 J	11.7 j	+	PG/L	K1/TR
BA5DC-WO38-0915-1	L1678061-14	WO	N	2,2',5-TRICHLOROBIPHENYL	2.6	2.9 J	2.9 J		PG/L	TR

Automated Data Review Detail Report for L1678061

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1668C		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
BA5DC-WO38-0915-1	L1678061-14	WO	N	2,3,3',4,4'-PENTACHLOROBIPHENYL	0.40	2.6 J	2.6 J		PG/L	TR
BA5DC-WO38-0915-1	L1678061-14	WO	N	2,3,3',4',6-PENTACHLOROBIPHENYL	0.48	11.4 J	11.4 J	+	PG/L	K1/TR
BA5DC-WO38-0915-1	L1678061-14	WO	N	2,3',4,4',5-PENTACHLOROBIPHENYL	0.44	8.0 J	8.0 J	+	PG/L	K1/TR
BA5DC-WO38-0915-1	L1678061-14	WO	N	2,3',4,4'-TETRACHLOROBIPHENYL	0.40	9.1 J,M	9.1 J		PG/L	TR/G4
BA5DC-WO38-0915-1	L1678061-14	WO	N	2,4,4'-TRICHLOROBIPHENYL	2.6	6.8 J	6.8 J		PG/L	TR
BA5DC-WO38-0915-1	L1678061-14	WO	N	2,4',5-TRICHLOROBIPHENYL	2.5	4.4 J	4.4 J		PG/L	TR
BA5DC-WO38-0915-1	L1678061-14	WO	N	PCB061/070/074/076	0.39	14.3 J	14.3 J	+	PG/L	K1/TR
BA5DC-WO38-0915-2	L1678061-15	WO	FD	2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	0.36	0.36 J,M	0.36 UJ		PG/L	K1/G4/D5
BA5DC-WO38-0915-2	L1678061-15	WO	FD	2,2',3,3',4,4'-HEXACHLOROBIPHENYL	0.33	0.33 U	0.33 UJ		PG/L	D5
BA5DC-WO38-0915-2	L1678061-15	WO	FD	2,2',3,4,4',5,5'-HEPTACHLOROBIPHENYL	0.52	0.74 J	0.74 J		PG/L	TR
BA5DC-WO38-0915-2	L1678061-15	WO	FD	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	0.38	3.1 J	3.1 J	+	PG/L	K1/TR/D5
BA5DC-WO38-0915-2	L1678061-15	WO	FD	2,2',3,4',5,5',6-HEPTACHLOROBIPHENYL	0.55	0.58 J,M	0.58 J		PG/L	TR/G4
BA5DC-WO38-0915-2	L1678061-15	WO	FD	2,2',3,4',5',6-HEXACHLOROBIPHENYL	0.33	2.1 J,M	2.1 J	+	PG/L	K1/TR/G4
BA5DC-WO38-0915-2	L1678061-15	WO	FD	2,2',3,4,5'-PENTACHLOROBIPHENYL/2,3',4,4',6-Pentachlorobiphenyl	0.60	4.3 J	4.3 J		PG/L	TR
BA5DC-WO38-0915-2	L1678061-15	WO	FD	2,2',3,5,5',6-HEXACHLOROBIPHENYL	0.22	0.90 J,M	0.90 J		PG/L	TR/G4/D5
BA5DC-WO38-0915-2	L1678061-15	WO	FD	2,2',3,5'-TETRACHLOROBIPHENYL	0.52	11.0 J	11.0 J	+	PG/L	K1/TR
BA5DC-WO38-0915-2	L1678061-15	WO	FD	2,2',4,4',5,5'-HEXACHLOROBIPHENYL/2,3',4,4',5',6-HEXACHLOROBIPHENYL	0.27	2.4 J,M	2.4 J	+	PG/L	K1/TR/G4
BA5DC-WO38-0915-2	L1678061-15	WO	FD	2,2',4,4',5-PENTACHLOROBIPHENYL	0.74	4.1 J,M	4.1 J		PG/L	TR/G4

Automated Data Review Detail Report for L1678061

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1668C		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
BA5DC-WO38-0915-2	L1678061-15	WO	FD	2,2',4,5,5'-PENTACHLOROBIPHENYL	0.64	8.3 J	8.3 J	+	PG/L	K1/TR
BA5DC-WO38-0915-2	L1678061-15	WO	FD	2,2',4,5'-TETRACHLOROBIPHENYL	0.47	5.8 J	5.8 J	+	PG/L	K1/TR
BA5DC-WO38-0915-2	L1678061-15	WO	FD	2,2',5,5'-TETRACHLOROBIPHENYL	0.64	13.1 J	13.1 j	+	PG/L	K1/TR
BA5DC-WO38-0915-2	L1678061-15	WO	FD	2,2',5-TRICHLOROBIPHENYL	2.2	2.9 J	2.9 J		PG/L	TR
BA5DC-WO38-0915-2	L1678061-15	WO	FD	2,3,3',4,4'-PENTACHLOROBIPHENYL	0.43	2.2 J,M	2.2 J		PG/L	TR/G4
BA5DC-WO38-0915-2	L1678061-15	WO	FD	2,3,3',4',6-PENTACHLOROBIPHENYL	0.56	9.0 J	9.0 J	+	PG/L	K1/TR
BA5DC-WO38-0915-2	L1678061-15	WO	FD	2,3',4,4',5-PENTACHLOROBIPHENYL	0.42	6.4 J	6.4 J	+	PG/L	K1/TR
BA5DC-WO38-0915-2	L1678061-15	WO	FD	2,3',4,4'-TETRACHLOROBIPHENYL	0.54	9.0 J	9.0 J		PG/L	TR
BA5DC-WO38-0915-2	L1678061-15	WO	FD	2,4,4'-TRICHLOROBIPHENYL	2.2	8.4 J	8.4 J		PG/L	TR
BA5DC-WO38-0915-2	L1678061-15	WO	FD	2,4',5-TRICHLOROBIPHENYL	2.1	5.7 J	5.7 J		PG/L	TR
BA5DC-WO38-0915-2	L1678061-15	WO	FD	PCB061/070/074/076	0.52	13.2 J	13.2 J	+	PG/L	K1/TR
BA5DC-WO5-0915-1	L1678061-11	WO	N	2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	0.37	0.37 J,M	0.37 U		PG/L	K1/G4
BA5DC-WO5-0915-1	L1678061-11	WO	N	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	0.37	1.2 J,M	1.2 J	+	PG/L	K1/TR/G4
BA5DC-WO5-0915-1	L1678061-11	WO	N	2,2',3,4',5,6-HEXACHLOROBIPHENYL	0.33	0.50 J	0.50 J	+	PG/L	K1/TR
BA5DC-WO5-0915-1	L1678061-11	WO	N	2,2',3,4,5'-PENTACHLOROBIPHENYL/2,3',4,4',6-Pentachlorobiphenyl	0.43	0.92 J,M	0.92 J		PG/L	TR/G4
BA5DC-WO5-0915-1	L1678061-11	WO	N	2,2',3,5,5',6-HEXACHLOROBIPHENYL	0.23	0.32 J,M	0.32 J		PG/L	TR/G4
BA5DC-WO5-0915-1	L1678061-11	WO	N	2,2',3,5'-TETRACHLOROBIPHENYL	0.53	3.3 J	3.3 J	+	PG/L	K1/TR
BA5DC-WO5-0915-1	L1678061-11	WO	N	2,2',4,4',5,5'-HEXACHLOROBIPHENYL/2,3',4,4',5,5',6-HEXACHLOROBIPHENYL	0.27	0.66 J,M	0.66 J	+	PG/L	K1/TR/G4

Automated Data Review Detail Report for L1678061

EPA, Region 9

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Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1668C		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
BA5DC-WO5-0915-1	L1678061-11	WO	N	2,2',4,4',5-PENTACHLOROBIPHENYL	0.53	0.77 J,M	0.77 J		PG/L	TR/G4
BA5DC-WO5-0915-1	L1678061-11	WO	N	2,2',4,5,5'-PENTACHLOROBIPHENYL	0.45	1.2 J,M	1.2 J	+	PG/L	K1/TR/G4
BA5DC-WO5-0915-1	L1678061-11	WO	N	2,2',4,5'-TETRACHLOROBIPHENYL	0.48	1.1 J	1.1 J	+	PG/L	K1/TR
BA5DC-WO5-0915-1	L1678061-11	WO	N	2,2',5,5'-TETRACHLOROBIPHENYL	0.65	2.2 J,M	2.2 J	+	PG/L	K1/TR/G4
BA5DC-WO5-0915-1	L1678061-11	WO	N	2,3,3',4',6-PENTACHLOROBIPHENYL	0.40	1.7 J	1.7 J	+	PG/L	K1/TR
BA5DC-WO5-0915-1	L1678061-11	WO	N	2,3',4,4',5-PENTACHLOROBIPHENYL	0.82	0.82 J,M	0.82 U		PG/L	K1/G4
BA5DC-WO5-0915-1	L1678061-11	WO	N	2,3',4,4'-TETRACHLOROBIPHENYL	0.41	1.3 J	1.3 J		PG/L	TR
BA5DC-WO5-0915-1	L1678061-11	WO	N	2,4,4'-TRICHLOROBIPHENYL	1.8	1.9 J	1.9 J		PG/L	TR
BA5DC-WO5-0915-1	L1678061-11	WO	N	PCB061/070/074/076	0.39	2.5 J	2.5 J	+	PG/L	K1/TR
BA6BC-WO50-0915-1	L1678061-20	WO	N	2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	0.68	0.47 J,B	0.68 U		PG/L	K1/B1
BA6BC-WO50-0915-1	L1678061-20	WO	N	2,2',3,3',4,4',5-HEPTACHLOROBIPHENYL	0.079	0.19 J,M	0.19 J		PG/L	TR/G4
BA6BC-WO50-0915-1	L1678061-20	WO	N	2,2',3,3',4,4'-HEXACHLOROBIPHENYL	0.087	0.22 J,M	0.22 J		PG/L	TR/G4
BA6BC-WO50-0915-1	L1678061-20	WO	N	2,2',3,3',4,5,6'-HEPTACHLOROBIPHENYL	0.080	0.19 J	0.19 J		PG/L	TR
BA6BC-WO50-0915-1	L1678061-20	WO	N	2,2',3,4,4',5,5'-HEPTACHLOROBIPHENYL	0.062	0.33 J,B	0.33 J	+	PG/L	B1/TR
BA6BC-WO50-0915-1	L1678061-20	WO	N	2,2',3,4,4',5,6-HEPTACHLOROBIPHENYL	0.068	0.11 J,M	0.11 J		PG/L	TR/G4
BA6BC-WO50-0915-1	L1678061-20	WO	N	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	0.093	1.7 J	1.7 J	+	PG/L	K1/B1/TR
BA6BC-WO50-0915-1	L1678061-20	WO	N	2,2',3,4',5,5',6-HEPTACHLOROBIPHENYL	0.061	0.24 J,M	0.24 J		PG/L	TR/G4
BA6BC-WO50-0915-1	L1678061-20	WO	N	2,2',3,4',5,6-HEXACHLOROBIPHENYL	0.095	1.2 J,B	1.2 J	+	PG/L	K1/B1/TR
BA6BC-WO50-0915-1	L1678061-20	WO	N	2,2',3,4,5'-PENTACHLOROBIPHENYL/2,3',4,4',6-Pentachlorobiphenyl	0.15	2.0 J	2.0 J		PG/L	TR

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Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1668C		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
BA6BC-WO50-0915-1	L1678061-20	WO	N	2,2',3,5,5',6'- HEXACHLOROBIPHENYL	0.078	0.59 J	0.59 J		PG/L	TR
BA6BC-WO50-0915-1	L1678061-20	WO	N	2,2',3,5'- TETRACHLOROBIPHENYL	0.12	5.3 J,B	5.3 J	+	PG/L	K1/B1/TR
BA6BC-WO50-0915-1	L1678061-20	WO	N	2,2',4,4',5,5'- HEXACHLOROBIPHENYL/2,3',4 ,4',5',6'- HEXACHLOROBIPHENYL	0.080	1.1 J	1.1 J	+	PG/L	K1/B1/TR
BA6BC-WO50-0915-1	L1678061-20	WO	N	2,2',4,4',5'- PENTACHLOROBIPHENYL	0.18	1.4 J	1.4 J		PG/L	TR
BA6BC-WO50-0915-1	L1678061-20	WO	N	2,2',4,5,5'- PENTACHLOROBIPHENYL	0.16	2.7 J,B	2.7 J	+	PG/L	K1/B1/TR
BA6BC-WO50-0915-1	L1678061-20	WO	N	2,2',4,5'- TETRACHLOROBIPHENYL	0.11	1.9 J	1.9 J	+	PG/L	K1/B1/TR
BA6BC-WO50-0915-1	L1678061-20	WO	N	2,2',5,5'- TETRACHLOROBIPHENYL	0.14	4.1 J,B	4.1 J	+	PG/L	K1/B1/TR
BA6BC-WO50-0915-1	L1678061-20	WO	N	2,2',5-TRICHLOROBIPHENYL	2.7	2.1 J,B	2.7 U		PG/L	B1
BA6BC-WO50-0915-1	L1678061-20	WO	N	2,3,3',4,4',5'- Hexachlorobiphenyl/2,3,3',4,4',5'- Hexachlorobiphenyl	0.094	0.17 J,M	0.17 J		PG/L	TR/G4
BA6BC-WO50-0915-1	L1678061-20	WO	N	2,3,3',4,4'- PENTACHLOROBIPHENYL	0.073	0.80 J,M	0.80 J	+	PG/L	B1/TR/G4
BA6BC-WO50-0915-1	L1678061-20	WO	N	2,3,3',4',6'- PENTACHLOROBIPHENYL	0.14	3.5 J	3.5 J	+	PG/L	K1/B1/TR
BA6BC-WO50-0915-1	L1678061-20	WO	N	2,3',4,4',5'- PENTACHLOROBIPHENYL	0.072	1.8 J,B	1.8 J	+	PG/L	K1/B1/TR
BA6BC-WO50-0915-1	L1678061-20	WO	N	2,3',4,4'- TETRACHLOROBIPHENYL	0.16	2.6 J	2.6 J	+	PG/L	B1/TR
BA6BC-WO50-0915-1	L1678061-20	WO	N	2,4,4'-TRICHLOROBIPHENYL	3.6	3.0 J,B	3.6 U		PG/L	B1
BA6BC-WO50-0915-1	L1678061-20	WO	N	2,4',5-TRICHLOROBIPHENYL	1.7	1.7 J,M	1.7 U		PG/L	B1/G4
BA6BC-WO50-0915-1	L1678061-20	WO	N	2,4'-DICHLOROBIPHENYL	2.2	2.2 J,M	2.2 U		PG/L	B1/G4
BA6BC-WO50-0915-1	L1678061-20	WO	N	3,3',4,4'- TETRACHLOROBIPHENYL	0.15	0.33 J	0.33 J		PG/L	TR
BA6BC-WO50-0915-1	L1678061-20	WO	N	3,4,4'-TRICHLOROBIPHENYL	0.60	0.60 J,M	0.60 U		PG/L	B1/G4
BA6BC-WO50-0915-1	L1678061-20	WO	N	PCB061/070/074/076	0.15	4.1 J,B	4.1 J	+	PG/L	B1/K1/TR

Automated Data Review Detail Report for L1678061

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1668C		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
BA6BC-WO5-0915-1	L1678061-19	WO	N	2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	0.68	0.48 J,B	0.68 U		PG/L	K1/B1
BA6BC-WO5-0915-1	L1678061-19	WO	N	2,2',3,4,4',5,5'-HEPTACHLOROBIPHENYL	0.29	0.25 J,B	0.29 U		PG/L	B1
BA6BC-WO5-0915-1	L1678061-19	WO	N	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	0.83	0.83 J,M	0.83 U		PG/L	K1/B1/G4
BA6BC-WO5-0915-1	L1678061-19	WO	N	2,2',3,4',5,5',6-HEPTACHLOROBIPHENYL	0.059	0.17 J	0.17 J		PG/L	TR
BA6BC-WO5-0915-1	L1678061-19	WO	N	2,2',3,4',5,6-HEXACHLOROBIPHENYL	0.43	0.43 J,M	0.43 U		PG/L	K1/B1/G4
BA6BC-WO5-0915-1	L1678061-19	WO	N	2,2',3,4,5'-PENTACHLOROBIPHENYL/2,3',4,4',6-Pentachlorobiphenyl	0.079	0.88 J,M	0.88 J		PG/L	TR/G4
BA6BC-WO5-0915-1	L1678061-19	WO	N	2,2',3,5,5',6-HEXACHLOROBIPHENYL	0.045	0.34 J	0.34 J		PG/L	TR
BA6BC-WO5-0915-1	L1678061-19	WO	N	2,2',3,5'-TETRACHLOROBIPHENYL	0.13	3.7 J,B	3.7 J	+	PG/L	K1/B1/TR
BA6BC-WO5-0915-1	L1678061-19	WO	N	2,2',4,4',5,5'-HEXACHLOROBIPHENYL/2,3',4,4',5,6-HEXACHLOROBIPHENYL	0.065	0.67 J	0.67 J	+	PG/L	K1/B1/TR
BA6BC-WO5-0915-1	L1678061-19	WO	N	2,2',4,4',5-PENTACHLOROBIPHENYL	0.091	0.66 J	0.66 J		PG/L	TR
BA6BC-WO5-0915-1	L1678061-19	WO	N	2,2',4,5,5'-PENTACHLOROBIPHENYL	0.085	1.2 J,M	1.2 J	+	PG/L	K1/B1/TR/G4
BA6BC-WO5-0915-1	L1678061-19	WO	N	2,2',4,5'-TETRACHLOROBIPHENYL	0.12	0.99 J	0.99 J	+	PG/L	K1/B1/TR
BA6BC-WO5-0915-1	L1678061-19	WO	N	2,2',5,5'-TETRACHLOROBIPHENYL	0.14	2.8 J,B	2.8 J	+	PG/L	K1/B1/TR
BA6BC-WO5-0915-1	L1678061-19	WO	N	2,2',5-TRICHLOROBIPHENYL	2.7	2.0 J,B	2.7 U		PG/L	B1
BA6BC-WO5-0915-1	L1678061-19	WO	N	2,3,3',4,4',5-Hexachlorobiphenyl/2,3,3',4,4',5'-Hexachlorobiphenyl	0.077	0.16 J	0.16 J		PG/L	TR
BA6BC-WO5-0915-1	L1678061-19	WO	N	2,3,3',4,4'-PENTACHLOROBIPHENYL	0.32	0.32 J,M	0.32 U		PG/L	B1/G4
BA6BC-WO5-0915-1	L1678061-19	WO	N	2,3,3',4',6-PENTACHLOROBIPHENYL	0.073	1.6 J	1.6 J	+	PG/L	K1/B1/TR

Automated Data Review Detail Report for L1678061

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1668C		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
BA6BC-WO5-0915-1	L1678061-19	WO	N	2,3',4,4',5-PENTACHLOROBIPHENYL	1.1	0.71 J,B	1.1 U		PG/L	K1/B1
BA6BC-WO5-0915-1	L1678061-19	WO	N	2,3',4,4'-TETRACHLOROBIPHENYL	0.14	1.3 J	1.3 J	+	PG/L	B1/TR
BA6BC-WO5-0915-1	L1678061-19	WO	N	2,4,4'-TRICHLOROBIPHENYL	3.6	2.8 J,B	3.6 U		PG/L	B1
BA6BC-WO5-0915-1	L1678061-19	WO	N	2,4',5-TRICHLOROBIPHENYL	2.9	2.4 J,B	2.9 U		PG/L	B1
BA6BC-WO5-0915-1	L1678061-19	WO	N	2,4'-DICHLOROBIPHENYL	20.0	2.6 J	20.0 U		PG/L	B1
BA6BC-WO5-0915-1	L1678061-19	WO	N	3,3',4,4'-TETRACHLOROBIPHENYL	0.13	0.16 J,M	0.16 J		PG/L	TR/G4
BA6BC-WO5-0915-1	L1678061-19	WO	N	3,4,4'-TRICHLOROBIPHENYL	1.1	0.58 J,B	1.1 U		PG/L	B1
BA6BC-WO5-0915-1	L1678061-19	WO	N	PCB061/070/074/076	0.14	2.4 J,B	2.4 J	+	PG/L	B1/K1/TR
BA6BC-WO95-0915-1	L1678061-21	WO	N	2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	0.68	0.48 J,B	0.68 U		PG/L	K1/B1
BA6BC-WO95-0915-1	L1678061-21	WO	N	2,2',3,3',4,4',5-HEPTACHLOROBIPHENYL	0.095	0.56 J,M	0.56 J		PG/L	TR/G4
BA6BC-WO95-0915-1	L1678061-21	WO	N	2,2',3,3',4,4'-HEXACHLOROBIPHENYL	0.077	0.48 J,M	0.48 J		PG/L	TR/G4
BA6BC-WO95-0915-1	L1678061-21	WO	N	2,2',3,3',4,5',6'-HEPTACHLOROBIPHENYL	0.096	0.25 J,M	0.25 J		PG/L	TR/G4
BA6BC-WO95-0915-1	L1678061-21	WO	N	2,2',3,4,4',5,5'-HEPTACHLOROBIPHENYL	0.075	1.0 J,B	1.0 J	+	PG/L	B1/TR
BA6BC-WO95-0915-1	L1678061-21	WO	N	2,2',3,4,4',5',6-HEPTACHLOROBIPHENYL	0.082	0.43 J	0.43 J		PG/L	TR
BA6BC-WO95-0915-1	L1678061-21	WO	N	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	0.083	4.2 J	4.2 J	+	PG/L	K1/B1/TR
BA6BC-WO95-0915-1	L1678061-21	WO	N	2,2',3,4',5,5',6-HEPTACHLOROBIPHENYL	0.074	0.35 J,M	0.35 J		PG/L	TR/G4
BA6BC-WO95-0915-1	L1678061-21	WO	N	2,2',3,4',5',6-HEXACHLOROBIPHENYL	0.084	3.0 J,B	3.0 J	+	PG/L	K1/B1/TR
BA6BC-WO95-0915-1	L1678061-21	WO	N	2,2',3,4,5'-PENTACHLOROBIPHENYL/2,3',4,4',6-Pentachlorobiphenyl	0.12	3.5 J	3.5 J		PG/L	TR
BA6BC-WO95-0915-1	L1678061-21	WO	N	2,2',3,5,5',6-HEXACHLOROBIPHENYL	0.060	1.3 J	1.3 J		PG/L	TR
BA6BC-WO95-0915-1	L1678061-21	WO	N	2,2',3,5'-TETRACHLOROBIPHENYL	0.12	62.7	62.7 J	+	PG/L	K1/B1

Automated Data Review Detail Report for L1678061

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1668C		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
BA6BC-WO95-0915-1	L1678061-21	WO	N	2,2',4,4',5,5'- HEXACHLOROBIPHENYL/2,3',4 ,4',5',6- HEXACHLOROBIPHENYL	0.071	2.9 J	2.9 J	+	PG/L	K1/B1/TR
BA6BC-WO95-0915-1	L1678061-21	WO	N	2,2',4,4',5- PENTACHLOROBIPHENYL	0.14	2.4 J	2.4 J		PG/L	TR
BA6BC-WO95-0915-1	L1678061-21	WO	N	2,2',4,5,5'- PENTACHLOROBIPHENYL	0.13	4.9 J,B	4.9 J	+	PG/L	K1/B1/TR
BA6BC-WO95-0915-1	L1678061-21	WO	N	2,2',4,5'- TETRACHLOROBIPHENYL	0.12	4.5 J	4.5 J	+	PG/L	K1/B1/TR
BA6BC-WO95-0915-1	L1678061-21	WO	N	2,2',5,5'- TETRACHLOROBIPHENYL	0.14	11.7 J,B	11.7 J	+	PG/L	K1/B1/TR
BA6BC-WO95-0915-1	L1678061-21	WO	N	2,2',5-TRICHLOROBIPHENYL	0.12	6.9 J,B	6.9 J	+	PG/L	B1/TR
BA6BC-WO95-0915-1	L1678061-21	WO	N	2,3,3',4,4',5- Hexachlorobiphenyl/2,3,3',4,4',5'- Hexachlorobiphenyl	0.083	0.38 J	0.38 J		PG/L	TR
BA6BC-WO95-0915-1	L1678061-21	WO	N	2,3,3',4,4',6- HEXACHLOROBIPHENYL	0.062	0.36 J,M	0.36 J		PG/L	TR/G4
BA6BC-WO95-0915-1	L1678061-21	WO	N	2,3,3',4,4'- PENTACHLOROBIPHENYL	0.10	1.5 J,M	1.5 J	+	PG/L	B1/TR/G4
BA6BC-WO95-0915-1	L1678061-21	WO	N	2,3,3',4',6- PENTACHLOROBIPHENYL	0.11	6.5 J	6.5 J	+	PG/L	K1/B1/TR
BA6BC-WO95-0915-1	L1678061-21	WO	N	2,3',4,4',5,5'- HEXACHLOROBIPHENYL	0.062	0.13 J,M	0.13 J		PG/L	TR/G4
BA6BC-WO95-0915-1	L1678061-21	WO	N	2,3',4,4',5- PENTACHLOROBIPHENYL	0.096	2.9 J,B	2.9 J	+	PG/L	K1/B1/TR
BA6BC-WO95-0915-1	L1678061-21	WO	N	2,3',4,4'- TETRACHLOROBIPHENYL	0.19	4.6 J	4.6 J	+	PG/L	B1/TR
BA6BC-WO95-0915-1	L1678061-21	WO	N	2,4,4'-TRICHLOROBIPHENYL	0.16	8.2 J,B	8.2 J	+	PG/L	B1/TR
BA6BC-WO95-0915-1	L1678061-21	WO	N	2,4',5-TRICHLOROBIPHENYL	0.16	7.2 J,B	7.2 J	+	PG/L	B1/TR
BA6BC-WO95-0915-1	L1678061-21	WO	N	2,4'-DICHLOROBIPHENYL	20.0	5.3 J	20.0 U		PG/L	B1
BA6BC-WO95-0915-1	L1678061-21	WO	N	3,3',4,4'- TETRACHLOROBIPHENYL	0.18	0.55 J	0.55 J		PG/L	TR
BA6BC-WO95-0915-1	L1678061-21	WO	N	3,4,4'-TRICHLOROBIPHENYL	0.17	1.2 J,M	1.2 J	+	PG/L	B1/TR/G4
BA6BC-WO95-0915-1	L1678061-21	WO	N	PCB061/070/074/076	0.19	7.9 J,B	7.9 J	+	PG/L	B1/K1/TR

Automated Data Review Detail Report for L1678061

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1668C		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
BA6B-WO145-0915-1	L1678061-18	WO	N	2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	0.68	0.39 J,B	0.68 U		PG/L	K1/B1
BA6B-WO145-0915-1	L1678061-18	WO	N	2,2',3,3',4,4',5-HEPTACHLOROBIPHENYL	0.051	0.16 J,M	0.16 J		PG/L	TR/G4
BA6B-WO145-0915-1	L1678061-18	WO	N	2,2',3,4,4',5,5'-HEPTACHLOROBIPHENYL	0.040	0.49 J,B	0.49 J	+	PG/L	B1/TR
BA6B-WO145-0915-1	L1678061-18	WO	N	2,2',3,4',5',6-HEPTACHLOROBIPHENYL	0.044	0.13 J,M	0.13 J		PG/L	TR/G4
BA6B-WO145-0915-1	L1678061-18	WO	N	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	0.062	1.6 J,M	1.6 J	+	PG/L	K1/B1/TR/G4
BA6B-WO145-0915-1	L1678061-18	WO	N	2,2',3,4',5,5',6-HEPTACHLOROBIPHENYL	0.040	0.30 J	0.30 J		PG/L	TR
BA6B-WO145-0915-1	L1678061-18	WO	N	2,2',3,4',5',6-HEXACHLOROBIPHENYL	0.063	1.4 J,B	1.4 J	+	PG/L	K1/B1/TR
BA6B-WO145-0915-1	L1678061-18	WO	N	2,2',3,4,5'-PENTACHLOROBIPHENYL/2,3',4,4',6-Pentachlorobiphenyl	0.077	1.7 J,M	1.7 J		PG/L	TR/G4
BA6B-WO145-0915-1	L1678061-18	WO	N	2,2',3,5,5',6-HEXACHLOROBIPHENYL	0.033	0.67 J	0.67 J		PG/L	TR
BA6B-WO145-0915-1	L1678061-18	WO	N	2,2',3,5'-TETRACHLOROBIPHENYL	0.071	6.9 J,B	6.9 J	+	PG/L	K1/B1/TR
BA6B-WO145-0915-1	L1678061-18	WO	N	2,2',4,4',5,5'-HEXACHLOROBIPHENYL/2,3',4,4',5',6-HEXACHLOROBIPHENYL	0.053	1.4 J	1.4 J	+	PG/L	K1/B1/TR
BA6B-WO145-0915-1	L1678061-18	WO	N	2,2',4,4',5-PENTACHLOROBIPHENYL	0.090	1.4 J	1.4 J		PG/L	TR
BA6B-WO145-0915-1	L1678061-18	WO	N	2,2',4,5,5'-PENTACHLOROBIPHENYL	0.084	2.7 J,B	2.7 J	+	PG/L	K1/B1/TR
BA6B-WO145-0915-1	L1678061-18	WO	N	2,2',4,5'-TETRACHLOROBIPHENYL	0.066	2.1 J	2.1 J	+	PG/L	K1/B1/TR
BA6B-WO145-0915-1	L1678061-18	WO	N	2,2',5,5'-TETRACHLOROBIPHENYL	0.080	5.0 J,B	5.0 J	+	PG/L	K1/B1/TR
BA6B-WO145-0915-1	L1678061-18	WO	N	2,2',5-TRICHLOROBIPHENYL	0.083	2.8 J,B	2.8 J	+	PG/L	B1/TR
BA6B-WO145-0915-1	L1678061-18	WO	N	2,3,3',4,4',5-Hexachlorobiphenyl/2,3,3',4,4',5'-Hexachlorobiphenyl	0.063	0.19 J	0.19 J		PG/L	TR

Automated Data Review Detail Report for L1678061

EPA, Region 9

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Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1668C		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
BA6B-WO145-0915-1	L1678061-18	WO	N	2,3,3',4,4'-PENTACHLOROBIPHENYL	0.061	0.84 J	0.84 J	+	PG/L	B1/TR
BA6B-WO145-0915-1	L1678061-18	WO	N	2,3,3',4',6-PENTACHLOROBIPHENYL	0.072	3.7 J	3.7 J	+	PG/L	K1/B1/TR
BA6B-WO145-0915-1	L1678061-18	WO	N	2,3',4,4',5-PENTACHLOROBIPHENYL	0.053	1.9 J,B	1.9 J	+	PG/L	K1/B1/TR
BA6B-WO145-0915-1	L1678061-18	WO	N	2,3',4,4'-TETRACHLOROBIPHENYL	0.11	2.9 J	2.9 J	+	PG/L	B1/TR
BA6B-WO145-0915-1	L1678061-18	WO	N	2,4,4'-TRICHLOROBIPHENYL	0.11	4.0 J,B	4.0 J	+	PG/L	B1/TR
BA6B-WO145-0915-1	L1678061-18	WO	N	2,4',5-TRICHLOROBIPHENYL	0.12	3.2 J,B	3.2 J	+	PG/L	B1/TR
BA6B-WO145-0915-1	L1678061-18	WO	N	2,4'-DICHLOROBIPHENYL	2.2	2.2 J,M	2.2 U		PG/L	B1/G4
BA6B-WO145-0915-1	L1678061-18	WO	N	3,4,4'-TRICHLOROBIPHENYL	0.57	0.57 J,M	0.57 U		PG/L	B1/G4
BA6B-WO145-0915-1	L1678061-18	WO	N	PCB061/070/074/076	0.11	4.8 J,B	4.8 J	+	PG/L	B1/K1/TR
BA6B-WO5-0915-1	L1678061-16	WO	N	2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	0.68	0.50 J,B	0.68 U		PG/L	K1/B1
BA6B-WO5-0915-1	L1678061-16	WO	N	2,2',3,4,4',5,5'-HEPTACHLOROBIPHENYL	0.20	0.20 J,M	0.20 U		PG/L	B1/G4
BA6B-WO5-0915-1	L1678061-16	WO	N	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	0.89	0.86 J	0.89 U		PG/L	K1/B1
BA6B-WO5-0915-1	L1678061-16	WO	N	2,2',3,4',5,5',6-HEPTACHLOROBIPHENYL	0.066	0.10 J,M	0.10 J		PG/L	TR/G4
BA6B-WO5-0915-1	L1678061-16	WO	N	2,2',3,4',5',6-HEXACHLOROBIPHENYL	0.096	0.72 J,B	0.72 J	+	PG/L	K1/B1/TR
BA6B-WO5-0915-1	L1678061-16	WO	N	2,2',3,4,5'-PENTACHLOROBIPHENYL/2,3',4,4',6-Pentachlorobiphenyl	0.098	1.2 J	1.2 J		PG/L	TR
BA6B-WO5-0915-1	L1678061-16	WO	N	2,2',3,5,5',6-HEXACHLOROBIPHENYL	0.074	0.46 J	0.46 J		PG/L	TR
BA6B-WO5-0915-1	L1678061-16	WO	N	2,2',3,5'-TETRACHLOROBIPHENYL	0.14	4.2 J,B	4.2 J	+	PG/L	K1/B1/TR
BA6B-WO5-0915-1	L1678061-16	WO	N	2,2',4,4',5,5'-HEXACHLOROBIPHENYL/2,3',4,4',5',6-HEXACHLOROBIPHENYL	0.081	0.67 J	0.67 J	+	PG/L	K1/B1/TR
BA6B-WO5-0915-1	L1678061-16	WO	N	2,2',4,4',5-PENTACHLOROBIPHENYL	0.11	0.61 J	0.61 J		PG/L	TR

Automated Data Review Detail Report for L1678061

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1668C		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
BA6B-WO5-0915-1	L1678061-16	WO	N	2,2',4,5,5'-PENTACHLOROBIPHENYL	0.11	1.3 J,B	1.3 J	+	PG/L	K1/B1/TR
BA6B-WO5-0915-1	L1678061-16	WO	N	2,2',4,5'-TETRACHLOROBIPHENYL	0.13	1.1 J	1.1 J	+	PG/L	K1/B1/TR
BA6B-WO5-0915-1	L1678061-16	WO	N	2,2',5,5'-TETRACHLOROBIPHENYL	0.16	2.9 J,B	2.9 J	+	PG/L	K1/B1/TR
BA6B-WO5-0915-1	L1678061-16	WO	N	2,2',5-TRICHLOROBIPHENYL	1.9	1.9 J,M	1.9 U		PG/L	B1/G4
BA6B-WO5-0915-1	L1678061-16	WO	N	2,3,3',4,4',5'-Hexachlorobiphenyl/2,3,3',4,4',5'-Hexachlorobiphenyl	0.099	0.20 J	0.20 J		PG/L	TR
BA6B-WO5-0915-1	L1678061-16	WO	N	2,3,3',4,4'-PENTACHLOROBIPHENYL	0.30	0.30 J,M	0.30 U		PG/L	B1/G4
BA6B-WO5-0915-1	L1678061-16	WO	N	2,3,3',4',6-PENTACHLOROBIPHENYL	0.090	1.5 J	1.5 J	+	PG/L	K1/B1/TR
BA6B-WO5-0915-1	L1678061-16	WO	N	2,3',4,4',5-PENTACHLOROBIPHENYL	1.1	0.88 J,B	1.1 U		PG/L	K1/B1
BA6B-WO5-0915-1	L1678061-16	WO	N	2,3',4,4'-TETRACHLOROBIPHENYL	0.26	1.1 J,M	1.1 J	+	PG/L	B1/TR/G4
BA6B-WO5-0915-1	L1678061-16	WO	N	2,4,4'-TRICHLOROBIPHENYL	2.5	2.5 J,M	2.5 U		PG/L	B1/G4
BA6B-WO5-0915-1	L1678061-16	WO	N	2,4',5-TRICHLOROBIPHENYL	2.9	2.3 J,B	2.9 U		PG/L	B1
BA6B-WO5-0915-1	L1678061-16	WO	N	2,4'-DICHLOROBIPHENYL	2.0	2.0 J,M	2.0 U		PG/L	B1/G4
BA6B-WO5-0915-1	L1678061-16	WO	N	3,4,4'-TRICHLOROBIPHENYL	0.56	0.56 J,M	0.56 U		PG/L	B1/G4
BA6B-WO5-0915-1	L1678061-16	WO	N	PCB061/070/074/076	0.25	2.4 J,B	2.4 J	+	PG/L	B1/K1/TR
BA6B-WO75-0915-1	L1678061-17	WO	N	2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	0.46	0.46 J,M	0.46 U		PG/L	K1/B1/G4
BA6B-WO75-0915-1	L1678061-17	WO	N	2,2',3,4,4',5,5'-HEPTACHLOROBIPHENYL	0.098	0.35 J,M	0.35 J	+	PG/L	B1/TR/G4
BA6B-WO75-0915-1	L1678061-17	WO	N	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	0.14	1.1 J,M	1.1 J	+	PG/L	K1/B1/TR/G4
BA6B-WO75-0915-1	L1678061-17	WO	N	2,2',3,4',5,5',6-HEPTACHLOROBIPHENYL	0.096	0.15 J,M	0.15 J		PG/L	TR/G4
BA6B-WO75-0915-1	L1678061-17	WO	N	2,2',3,4',5,6-HEXACHLOROBIPHENYL	0.15	0.90 J,B	0.90 J	+	PG/L	K1/B1/TR
BA6B-WO75-0915-1	L1678061-17	WO	N	2,2',3,4,5'-PENTACHLOROBIPHENYL/2,3',4,4',6-Pentachlorobiphenyl	0.14	1.3 J	1.3 J		PG/L	TR

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EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1668C		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
BA6B-WO75-0915-1	L1678061-17	WO	N	2,2',3,5,5',6'- HEXACHLOROBIPHENYL	0.16	0.39 J	0.39 J		PG/L	TR
BA6B-WO75-0915-1	L1678061-17	WO	N	2,2',3,5'- TETRACHLOROBIPHENYL	0.20	4.2 J,B	4.2 J	+	PG/L	K1/B1/TR
BA6B-WO75-0915-1	L1678061-17	WO	N	2,2',4,4',5,5'- HEXACHLOROBIPHENYL/2,3',4 ,4',5',6'- HEXACHLOROBIPHENYL	0.12	0.80 J,M	0.80 J	+	PG/L	K1/B1/TR/G4
BA6B-WO75-0915-1	L1678061-17	WO	N	2,2',4,4',5'- PENTACHLOROBIPHENYL	0.17	0.62 J,M	0.62 J		PG/L	TR/G4
BA6B-WO75-0915-1	L1678061-17	WO	N	2,2',4,5,5'- PENTACHLOROBIPHENYL	0.15	1.7 J,B	1.7 J	+	PG/L	K1/B1/TR
BA6B-WO75-0915-1	L1678061-17	WO	N	2,2',4,5'- TETRACHLOROBIPHENYL	0.19	1.3 J	1.3 J	+	PG/L	K1/B1/TR
BA6B-WO75-0915-1	L1678061-17	WO	N	2,2',5,5'- TETRACHLOROBIPHENYL	0.23	3.0 J,B	3.0 J	+	PG/L	K1/B1/TR
BA6B-WO75-0915-1	L1678061-17	WO	N	2,2',5-TRICHLOROBIPHENYL	1.9	1.9 J,M	1.9 U		PG/L	B1/G4
BA6B-WO75-0915-1	L1678061-17	WO	N	2,3,3',4,4'- PENTACHLOROBIPHENYL	0.20	0.40 J,M	0.40 J	+	PG/L	B1/TR/G4
BA6B-WO75-0915-1	L1678061-17	WO	N	2,3,3',4',6'- PENTACHLOROBIPHENYL	0.13	2.2 J	2.2 J	+	PG/L	K1/B1/TR
BA6B-WO75-0915-1	L1678061-17	WO	N	2,3',4,4',5'- PENTACHLOROBIPHENYL	1.1	1.1 J,B	1.1 U		PG/L	K1/B1
BA6B-WO75-0915-1	L1678061-17	WO	N	2,3',4,4'- TETRACHLOROBIPHENYL	0.21	1.3 J,M	1.3 J	+	PG/L	B1/TR/G4
BA6B-WO75-0915-1	L1678061-17	WO	N	2,4,4'-TRICHLOROBIPHENYL	3.6	2.6 J,B	3.6 U		PG/L	B1
BA6B-WO75-0915-1	L1678061-17	WO	N	2,4',5-TRICHLOROBIPHENYL	2.9	2.2 J,B	2.9 U		PG/L	B1
BA6B-WO75-0915-1	L1678061-17	WO	N	2,4'-DICHLOROBIPHENYL	2.1	2.1 J,M	2.1 U		PG/L	B1/G4
BA6B-WO75-0915-1	L1678061-17	WO	N	3,4,4'-TRICHLOROBIPHENYL	1.1	0.77 J,B	1.1 U		PG/L	B1
BA6B-WO75-0915-1	L1678061-17	WO	N	PCB061/070/074/076	0.21	2.4 J,B	2.4 J	+	PG/L	B1/K1/TR
BA6C-WO30-0915-1	L1678061-23	WO	N	2,2',3,3',4,4',5,5',6,6'- Decachlorobiphenyl	0.68	0.44 J,B	0.68 U		PG/L	K1/B1
BA6C-WO30-0915-1	L1678061-23	WO	N	2,2',3,3',4,4',5'- HEPTACHLOROBIPHENYL	0.073	0.17 J,M	0.17 J		PG/L	TR/G4
BA6C-WO30-0915-1	L1678061-23	WO	N	2,2',3,3',4,4'- HEXACHLOROBIPHENYL	0.080	0.22 J	0.22 J		PG/L	TR

Automated Data Review Detail Report for L1678061

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1668C		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
BA6C-WO30-0915-1	L1678061-23	WO	N	2,2',3,3',4,5',6'-HEPTACHLOROBIPHENYL	0.075	0.24 J	0.24 J		PG/L	TR
BA6C-WO30-0915-1	L1678061-23	WO	N	2,2',3,4,4',5,5'-HEPTACHLOROBIPHENYL	0.058	0.40 J,M	0.40 J	+	PG/L	B1/TR/G4
BA6C-WO30-0915-1	L1678061-23	WO	N	2,2',3,4,4',5',6'-HEPTACHLOROBIPHENYL	0.064	0.13 J,M	0.13 J		PG/L	TR/G4
BA6C-WO30-0915-1	L1678061-23	WO	N	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	0.086	1.5 J,M	1.5 J	+	PG/L	K1/B1/TR/G4
BA6C-WO30-0915-1	L1678061-23	WO	N	2,2',3,4',5,5',6'-HEPTACHLOROBIPHENYL	0.057	0.24 J,M	0.24 J		PG/L	TR/G4
BA6C-WO30-0915-1	L1678061-23	WO	N	2,2',3,4',5',6'-HEXACHLOROBIPHENYL	0.087	1.2 J,B	1.2 J	+	PG/L	K1/B1/TR
BA6C-WO30-0915-1	L1678061-23	WO	N	2,2',3,4,5'-PENTACHLOROBIPHENYL/2,3',4,4',6-Pentachlorobiphenyl	0.066	2.4 J	2.4 J		PG/L	TR
BA6C-WO30-0915-1	L1678061-23	WO	N	2,2',3,5,5',6'-HEXACHLOROBIPHENYL	0.049	0.60 J,M	0.60 J		PG/L	TR/G4
BA6C-WO30-0915-1	L1678061-23	WO	N	2,2',3,5'-TETRACHLOROBIPHENYL	0.10	8.9 J,B	8.9 J	+	PG/L	K1/B1/TR
BA6C-WO30-0915-1	L1678061-23	WO	N	2,2',4,4',5,5'-HEXACHLOROBIPHENYL/2,3',4,4',5',6'-HEXACHLOROBIPHENYL	0.073	1.4 J	1.4 J	+	PG/L	K1/B1/TR
BA6C-WO30-0915-1	L1678061-23	WO	N	2,2',4,4',5'-PENTACHLOROBIPHENYL	0.076	1.7 J,M	1.7 J		PG/L	TR/G4
BA6C-WO30-0915-1	L1678061-23	WO	N	2,2',4,5,5'-PENTACHLOROBIPHENYL	0.072	3.4 J,B	3.4 J	+	PG/L	K1/B1/TR
BA6C-WO30-0915-1	L1678061-23	WO	N	2,2',4,5'-TETRACHLOROBIPHENYL	0.094	3.0 J	3.0 J	+	PG/L	K1/B1/TR
BA6C-WO30-0915-1	L1678061-23	WO	N	2,2',5,5'-TETRACHLOROBIPHENYL	0.11	7.2 J,B	7.2 J	+	PG/L	K1/B1/TR
BA6C-WO30-0915-1	L1678061-23	WO	N	2,2',5-TRICHLOROBIPHENYL	0.093	3.4 J,B	3.4 J	+	PG/L	B1/TR
BA6C-WO30-0915-1	L1678061-23	WO	N	2,3,3',4,4',5'-Hexachlorobiphenyl/2,3,3',4,4',5'-Hexachlorobiphenyl	0.088	0.18 J	0.18 J		PG/L	TR
BA6C-WO30-0915-1	L1678061-23	WO	N	2,3,3',4,4',6'-HEXACHLOROBIPHENYL	0.064	0.19 J	0.19 J		PG/L	TR

Automated Data Review Detail Report for L1678061

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1668C		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
BA6C-WO30-0915-1	L1678061-23	WO	N	2,3,3',4,4'-PENTACHLOROBIPHENYL	0.069	0.84 J,M	0.84 J	+	PG/L	B1/TR/G4
BA6C-WO30-0915-1	L1678061-23	WO	N	2,3,3',4',6-PENTACHLOROBIPHENYL	0.061	4.8 J	4.8 J	+	PG/L	K1/B1/TR
BA6C-WO30-0915-1	L1678061-23	WO	N	2,3',4,4',5-PENTACHLOROBIPHENYL	0.067	2.2 J,B	2.2 J	+	PG/L	K1/B1/TR
BA6C-WO30-0915-1	L1678061-23	WO	N	2,3',4,4'-TETRACHLOROBIPHENYL	0.17	4.1 J	4.1 J	+	PG/L	B1/TR
BA6C-WO30-0915-1	L1678061-23	WO	N	2,4,4'-TRICHLOROBIPHENYL	0.18	5.6 J,B	5.6 J	+	PG/L	B1/TR
BA6C-WO30-0915-1	L1678061-23	WO	N	2,4',5-TRICHLOROBIPHENYL	0.18	4.4 J,B	4.4 J	+	PG/L	B1/TR
BA6C-WO30-0915-1	L1678061-23	WO	N	2,4'-DICHLOROBIPHENYL	2.9	2.9 J,M	2.9 U		PG/L	B1/G4
BA6C-WO30-0915-1	L1678061-23	WO	N	3,3',4,4'-TETRACHLOROBIPHENYL	0.17	0.26 J	0.26 J		PG/L	TR
BA6C-WO30-0915-1	L1678061-23	WO	N	3,4,4'-TRICHLOROBIPHENYL	1.1	0.88 J,B	1.1 U		PG/L	B1
BA6C-WO30-0915-1	L1678061-23	WO	N	PCB061/070/074/076	0.16	6.5 J,B	6.5 J	+	PG/L	B1/K1/TR
BA6C-WO5-0915-1	L1678061-22	WO	N	2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	0.68	0.74 J,B	0.74 J	+	PG/L	K1/B1/TR
BA6C-WO5-0915-1	L1678061-22	WO	N	2,2',3,3',4,4'-HEXACHLOROBIPHENYL	0.11	0.13 J,M	0.13 J		PG/L	TR/G4
BA6C-WO5-0915-1	L1678061-22	WO	N	2,2',3,4,4',5,5'-HEPTACHLOROBIPHENYL	0.076	0.29 J,B	0.29 J	+	PG/L	B1/TR
BA6C-WO5-0915-1	L1678061-22	WO	N	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	0.11	1.1 J,M	1.1 J	+	PG/L	K1/B1/TR/G4
BA6C-WO5-0915-1	L1678061-22	WO	N	2,2',3,4',5,5',6-HEPTACHLOROBIPHENYL	0.075	0.14 J,M	0.14 J		PG/L	TR/G4
BA6C-WO5-0915-1	L1678061-22	WO	N	2,2',3,4',5,6-HEXACHLOROBIPHENYL	0.11	0.87 J,B	0.87 J	+	PG/L	K1/B1/TR
BA6C-WO5-0915-1	L1678061-22	WO	N	2,2',3,4,5'-PENTACHLOROBIPHENYL/2,3',4,4',6-Pentachlorobiphenyl	0.14	1.0 J,M	1.0 J		PG/L	TR/G4
BA6C-WO5-0915-1	L1678061-22	WO	N	2,2',3,5,5',6-HEXACHLOROBIPHENYL	0.047	0.42 J,M	0.42 J		PG/L	TR/G4
BA6C-WO5-0915-1	L1678061-22	WO	N	2,2',3,5'-TETRACHLOROBIPHENYL	0.13	11.3 J,B	11.3 J	+	PG/L	B1/TR

Automated Data Review Detail Report for L1678061

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1668C		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
BA6C-WO5-0915-1	L1678061-22	WO	N	2,2',4,4',5,5'- HEXACHLOROBIPHENYL/2,3',4 ,4',5',6- HEXACHLOROBIPHENYL	0.096	0.75 J	0.75 J	+	PG/L	K1/B1/TR
BA6C-WO5-0915-1	L1678061-22	WO	N	2,2',4,4',5- PENTACHLOROBIPHENYL	0.16	0.44 J,M	0.44 J		PG/L	TR/G4
BA6C-WO5-0915-1	L1678061-22	WO	N	2,2',4,5,5'- PENTACHLOROBIPHENYL	0.15	1.6 J,B	1.6 J	+	PG/L	K1/B1/TR
BA6C-WO5-0915-1	L1678061-22	WO	N	2,2',4,5'- TETRACHLOROBIPHENYL	0.12	1.4 J,M	1.4 J	+	PG/L	K1/B1/TR/G4
BA6C-WO5-0915-1	L1678061-22	WO	N	2,2',5,5'- TETRACHLOROBIPHENYL	0.14	4.1 J,B	4.1 J	+	PG/L	K1/B1/TR
BA6C-WO5-0915-1	L1678061-22	WO	N	2,2',5-TRICHLOROBIPHENYL	0.19	4.1 J,B	4.1 J	+	PG/L	B1/TR
BA6C-WO5-0915-1	L1678061-22	WO	N	2,3,3',4,4',5- Hexachlorobiphenyl/2,3,3',4,4',5'- Hexachlorobiphenyl	0.11	0.15 J	0.15 J		PG/L	TR
BA6C-WO5-0915-1	L1678061-22	WO	N	2,3,3',4,4'- PENTACHLOROBIPHENYL	0.11	0.38 J	0.38 J	+	PG/L	B1/TR
BA6C-WO5-0915-1	L1678061-22	WO	N	2,3,3',4',6- PENTACHLOROBIPHENYL	0.13	2.0 J	2.0 J	+	PG/L	K1/B1/TR
BA6C-WO5-0915-1	L1678061-22	WO	N	2,3',4,4',5- PENTACHLOROBIPHENYL	1.1	1.1 J,B	1.1 U		PG/L	K1/B1
BA6C-WO5-0915-1	L1678061-22	WO	N	2,3',4,4'- TETRACHLOROBIPHENYL	0.15	1.4 J	1.4 J	+	PG/L	B1/TR
BA6C-WO5-0915-1	L1678061-22	WO	N	2,4,4'-TRICHLOROBIPHENYL	0.18	4.4 J,B	4.4 J	+	PG/L	B1/TR
BA6C-WO5-0915-1	L1678061-22	WO	N	2,4',5-TRICHLOROBIPHENYL	0.18	3.9 J,B	3.9 J	+	PG/L	B1/TR
BA6C-WO5-0915-1	L1678061-22	WO	N	2,4'-DICHLOROBIPHENYL	4.3	4.3 J,M	4.3 U		PG/L	B1/G4
BA6C-WO5-0915-1	L1678061-22	WO	N	3,4,4'-TRICHLOROBIPHENYL	1.1	0.75 J,B	1.1 U		PG/L	B1
BA6C-WO5-0915-1	L1678061-22	WO	N	PCB061/070/074/076	0.15	2.6 J,B	2.6 J	+	PG/L	B1/K1/TR
BA6DC-WO35-0915-1	L1678061-26	WO	N	2,2',3,3',4,4',5,5',6,6'- Decachlorobiphenyl	0.40	0.82 J	0.82 J	+	PG/L	K1/TR
BA6DC-WO35-0915-1	L1678061-26	WO	N	2,2',3,4,4',5,5'- HEPTACHLOROBIPHENYL	0.38	1.2 J	1.2 J		PG/L	TR
BA6DC-WO35-0915-1	L1678061-26	WO	N	2,2',3,4,4',5'- HEXACHLOROBIPHENYL	0.44	4.9 J	4.9 J	+	PG/L	K1/TR

Automated Data Review Detail Report for L1678061

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1668C		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
BA6DC-WO35-0915-1	L1678061-26	WO	N	2,2',3,4',5,5',6-HEPTACHLOROBIPHENYL	0.39	0.84 J,M	0.84 J		PG/L	TR/G4
BA6DC-WO35-0915-1	L1678061-26	WO	N	2,2',3,4',5',6-HEXACHLOROBIPHENYL	0.48	2.9 J,M	2.9 J	+	PG/L	K1/TR/G4
BA6DC-WO35-0915-1	L1678061-26	WO	N	2,2',3,4,5'-PENTACHLOROBIPHENYL/2,3',4,4',6-Pentachlorobiphenyl	0.73	5.8 J	5.8 J		PG/L	TR
BA6DC-WO35-0915-1	L1678061-26	WO	N	2,2',3,5,5',6-HEXACHLOROBIPHENYL	0.39	1.4 J,M	1.4 J		PG/L	TR/G4
BA6DC-WO35-0915-1	L1678061-26	WO	N	2,2',3,5'-TETRACHLOROBIPHENYL	0.75	15.1 J,B	15.1 J	+	PG/L	B1/TR
BA6DC-WO35-0915-1	L1678061-26	WO	N	2,2',4,4',5,5'-HEXACHLOROBIPHENYL/2,3',4,4',5,5'-HEXACHLOROBIPHENYL	0.39	3.4 J,M	3.4 J	+	PG/L	K1/TR/G4
BA6DC-WO35-0915-1	L1678061-26	WO	N	2,2',4,4',5-PENTACHLOROBIPHENYL	0.88	4.6 J	4.6 J		PG/L	TR
BA6DC-WO35-0915-1	L1678061-26	WO	N	2,2',4,5,5'-PENTACHLOROBIPHENYL	0.81	8.2 J	8.2 J	+	PG/L	K1/TR
BA6DC-WO35-0915-1	L1678061-26	WO	N	2,2',4,5'-TETRACHLOROBIPHENYL	0.70	6.4 J	6.4 J	+	PG/L	K1/TR
BA6DC-WO35-0915-1	L1678061-26	WO	N	2,2',5,5'-TETRACHLOROBIPHENYL	0.93	14.5 J,B	14.5 J	+	PG/L	B1/TR
BA6DC-WO35-0915-1	L1678061-26	WO	N	2,2',5-TRICHLOROBIPHENYL	1.7	4.0 J	4.0 J		PG/L	TR
BA6DC-WO35-0915-1	L1678061-26	WO	N	2,3,3',4,4'-PENTACHLOROBIPHENYL	0.47	3.2 J	3.2 J		PG/L	TR
BA6DC-WO35-0915-1	L1678061-26	WO	N	2,3,3',4',6-PENTACHLOROBIPHENYL	0.68	11.4 J	11.4 J	+	PG/L	B1/TR
BA6DC-WO35-0915-1	L1678061-26	WO	N	2,3',4,4',5-PENTACHLOROBIPHENYL	0.47	6.3 J	6.3 J	+	PG/L	K1/TR
BA6DC-WO35-0915-1	L1678061-26	WO	N	2,3',4,4'-TETRACHLOROBIPHENYL	0.81	9.2 J	9.2 J		PG/L	TR
BA6DC-WO35-0915-1	L1678061-26	WO	N	2,4,4'-TRICHLOROBIPHENYL	0.94	9.4 J	9.4 J		PG/L	TR
BA6DC-WO35-0915-1	L1678061-26	WO	N	2,4',5-TRICHLOROBIPHENYL	0.93	6.3 J	6.3 J		PG/L	TR
BA6DC-WO35-0915-1	L1678061-26	WO	N	3,4,4'-TRICHLOROBIPHENYL	1.1	1.3 J,M	1.3 J		PG/L	TR/G4
BA6DC-WO35-0915-1	L1678061-26	WO	N	PCB061/070/074/076	0.79	17.4	17.4 J	+	PG/L	B1

Automated Data Review Detail Report for L1678061

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1668C		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
BA6DC-WO5-0915-1	L1678061-24	WO	N	2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	0.48	0.48 J,M	0.48 U		PG/L	K1/B1/G4
BA6DC-WO5-0915-1	L1678061-24	WO	N	2,2',3,3',4,4',5-HEPTACHLOROBIPHENYL	0.10	0.50 J,M	0.50 J		PG/L	TR/G4
BA6DC-WO5-0915-1	L1678061-24	WO	N	2,2',3,3',4,4'-HEXACHLOROBIPHENYL	0.069	0.20 J	0.20 J		PG/L	TR
BA6DC-WO5-0915-1	L1678061-24	WO	N	2,2',3,3',4,5',6'-HEPTACHLOROBIPHENYL	0.11	0.28 J,M	0.28 J		PG/L	TR/G4
BA6DC-WO5-0915-1	L1678061-24	WO	N	2,2',3,4,4',5,5'-HEPTACHLOROBIPHENYL	0.082	1.6 J,M	1.6 J	+	PG/L	B1/TR/G4
BA6DC-WO5-0915-1	L1678061-24	WO	N	2,2',3,4,4',5',6'-HEPTACHLOROBIPHENYL	0.090	0.28 J	0.28 J		PG/L	TR
BA6DC-WO5-0915-1	L1678061-24	WO	N	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	0.074	1.3 J,M	1.3 J	+	PG/L	K1/B1/TR/G4
BA6DC-WO5-0915-1	L1678061-24	WO	N	2,2',3,4',5,5',6'-HEPTACHLOROBIPHENYL	0.080	0.44 J	0.44 J		PG/L	TR
BA6DC-WO5-0915-1	L1678061-24	WO	N	2,2',3,4',5',6'-HEXACHLOROBIPHENYL	0.075	0.82 J,B	0.82 J	+	PG/L	K1/B1/TR
BA6DC-WO5-0915-1	L1678061-24	WO	N	2,2',3,4,5'-PENTACHLOROBIPHENYL/2,3',4,4',6-Pentachlorobiphenyl	0.064	1.1 J	1.1 J		PG/L	TR
BA6DC-WO5-0915-1	L1678061-24	WO	N	2,2',3,5,5',6'-HEXACHLOROBIPHENYL	0.083	0.43 J,M	0.43 J		PG/L	TR/G4
BA6DC-WO5-0915-1	L1678061-24	WO	N	2,2',3,5'-TETRACHLOROBIPHENYL	3.1	3.0 J,B	3.1 U		PG/L	K1/B1
BA6DC-WO5-0915-1	L1678061-24	WO	N	2,2',4,4',5,5'-HEXACHLOROBIPHENYL/2,3',4,4',5',6'-HEXACHLOROBIPHENYL	0.064	0.99 J	0.99 J	+	PG/L	K1/B1/TR
BA6DC-WO5-0915-1	L1678061-24	WO	N	2,2',4,4',5'-PENTACHLOROBIPHENYL	0.074	0.73 J	0.73 J		PG/L	TR
BA6DC-WO5-0915-1	L1678061-24	WO	N	2,2',4,5,5'-PENTACHLOROBIPHENYL	0.070	1.3 J,B	1.3 J	+	PG/L	K1/B1/TR
BA6DC-WO5-0915-1	L1678061-24	WO	N	2,2',4,5'-TETRACHLOROBIPHENYL	0.13	1.2 J	1.2 J	+	PG/L	K1/B1/TR
BA6DC-WO5-0915-1	L1678061-24	WO	N	2,2',5,5'-TETRACHLOROBIPHENYL	0.15	2.6 J,B	2.6 J	+	PG/L	K1/B1/TR

Automated Data Review Detail Report for L1678061

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1668C		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
BA6DC-WO5-0915-1	L1678061-24	WO	N	2,2',5-TRICHLOROBIPHENYL	2.7	2.1 J,B	2.7 U		PG/L	B1
BA6DC-WO5-0915-1	L1678061-24	WO	N	2,3,3',4,4',5-Hexachlorobiphenyl/2,3,3',4,4',5'-Hexachlorobiphenyl	0.077	0.24 J	0.24 J		PG/L	TR
BA6DC-WO5-0915-1	L1678061-24	WO	N	2,3,3',4,4',6-HEXACHLOROBIPHENYL	0.056	0.084 J,M	0.084 J		PG/L	TR/G4
BA6DC-WO5-0915-1	L1678061-24	WO	N	2,3,3',4,4'-PENTACHLOROBIPHENYL	0.077	0.46 J	0.46 J	+	PG/L	B1/TR
BA6DC-WO5-0915-1	L1678061-24	WO	N	2,3,3',4',6-PENTACHLOROBIPHENYL	0.059	1.7 J	1.7 J	+	PG/L	K1/B1/TR
BA6DC-WO5-0915-1	L1678061-24	WO	N	2,3',4,4',5,5'-HEXACHLOROBIPHENYL	0.054	0.16 J	0.16 J		PG/L	TR
BA6DC-WO5-0915-1	L1678061-24	WO	N	2,3',4,4',5-PENTACHLOROBIPHENYL	1.1	0.94 J,B	1.1 U		PG/L	K1/B1
BA6DC-WO5-0915-1	L1678061-24	WO	N	2,3',4,4'-TETRACHLOROBIPHENYL	0.19	1.1 J,M	1.1 J	+	PG/L	B1/TR/G4
BA6DC-WO5-0915-1	L1678061-24	WO	N	2,4,4'-TRICHLOROBIPHENYL	3.6	2.4 J,B	3.6 U		PG/L	B1
BA6DC-WO5-0915-1	L1678061-24	WO	N	2,4',5-TRICHLOROBIPHENYL	2.9	1.9 J,B	2.9 U		PG/L	B1
BA6DC-WO5-0915-1	L1678061-24	WO	N	2,4'-DICHLOROBIPHENYL	20.0	2.3 J	20.0 U		PG/L	B1
BA6DC-WO5-0915-1	L1678061-24	WO	N	3,4,4'-TRICHLOROBIPHENYL	1.1	0.50 J,B	1.1 U		PG/L	B1
BA6DC-WO5-0915-1	L1678061-24	WO	N	PCB061/070/074/076	0.18	2.0 J,B	2.0 J	+	PG/L	B1/K1/TR
BA7DC-WO20-0915-1	L1678061-28	WO	N	2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	2.4	1.7 J,B	2.4 U		PG/L	B1
BA7DC-WO20-0915-1	L1678061-28	WO	N	2,2',3,3',4,4',5-HEPTACHLOROBIPHENYL	0.21	0.21 J,M	0.21 U		PG/L	B1/G4
BA7DC-WO20-0915-1	L1678061-28	WO	N	2,2',3,3',4,4'-HEXACHLOROBIPHENYL	0.17	0.33 J,M	0.33 J	+	PG/L	B1/TR/G4
BA7DC-WO20-0915-1	L1678061-28	WO	N	2,2',3,3',4,5',6'-HEPTACHLOROBIPHENYL	0.21	0.23 J,M	0.23 J		PG/L	TR/G4
BA7DC-WO20-0915-1	L1678061-28	WO	N	2,2',3,4,4',5,5'-HEPTACHLOROBIPHENYL	0.49	0.49 J,M	0.49 U		PG/L	B1/G4
BA7DC-WO20-0915-1	L1678061-28	WO	N	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	0.18	2.2 J,B	2.2 J	+	PG/L	B1/TR
BA7DC-WO20-0915-1	L1678061-28	WO	N	2,2',3,4',5,5',6-HEPTACHLOROBIPHENYL	0.16	0.31 J,M	0.31 J		PG/L	B1/TR/G4

Automated Data Review Detail Report for L1678061

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1668C		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
BA7DC-WO20-0915-1	L1678061-28	WO	N	2,2',3,4',5',6- HEXACHLOROBIPHENYL	0.18	1.8 J,B	1.8 J	+	PG/L	B1/TR
BA7DC-WO20-0915-1	L1678061-28	WO	N	2,2',3,4,5'- PENTACHLOROBIPHENYL/2,3', 4,4',6-Pentachlorobiphenyl	0.23	2.2 J,M	2.2 J	+	PG/L	B1/TR/G4
BA7DC-WO20-0915-1	L1678061-28	WO	N	2,2',3,5,5',6- HEXACHLOROBIPHENYL	0.67	0.67 J,M	0.67 U		PG/L	B1/G4
BA7DC-WO20-0915-1	L1678061-28	WO	N	2,2',3,5'- TETRACHLOROBIPHENYL	0.30	7.2 J	7.2 J	+	PG/L	B1/TR
BA7DC-WO20-0915-1	L1678061-28	WO	N	2,2',4,4',5,5'- HEXACHLOROBIPHENYL/2,3',4 ,4',5',6- HEXACHLOROBIPHENYL	0.15	1.7 J,B	1.7 J	+	PG/L	B1/TR
BA7DC-WO20-0915-1	L1678061-28	WO	N	2,2',4,4',5- PENTACHLOROBIPHENYL	0.27	1.9 J,M	1.9 J	+	PG/L	B1/TR/G4
BA7DC-WO20-0915-1	L1678061-28	WO	N	2,2',4,5,5'- PENTACHLOROBIPHENYL	0.25	2.9 J,B	2.9 J	+	PG/L	B1/TR
BA7DC-WO20-0915-1	L1678061-28	WO	N	2,2',4,5'- TETRACHLOROBIPHENYL	0.29	2.9 J,B	2.9 J	+	PG/L	B1/TR
BA7DC-WO20-0915-1	L1678061-28	WO	N	2,2',5,5'- TETRACHLOROBIPHENYL	0.37	5.4 J,B	5.4 J	+	PG/L	B1/TR
BA7DC-WO20-0915-1	L1678061-28	WO	N	2,2',5-TRICHLOROBIPHENYL	3.6	3.6 J	3.6 U		PG/L	B1
BA7DC-WO20-0915-1	L1678061-28	WO	N	2,3,3',4,4',5- Hexachlorobiphenyl/2,3,3',4,4',5'- Hexachlorobiphenyl	0.38	0.34 J,B	0.38 U		PG/L	B1
BA7DC-WO20-0915-1	L1678061-28	WO	N	2,3,3',4,4',6- HEXACHLOROBIPHENYL	0.13	0.24 J	0.24 J	+	PG/L	B1/TR
BA7DC-WO20-0915-1	L1678061-28	WO	N	2,3,3',4,4'- PENTACHLOROBIPHENYL	0.18	0.79 J,M	0.79 J	+	PG/L	B1/TR/G4
BA7DC-WO20-0915-1	L1678061-28	WO	N	2,3,3',4',6- PENTACHLOROBIPHENYL	0.21	4.1 J	4.1 J	+	PG/L	B1/TR
BA7DC-WO20-0915-1	L1678061-28	WO	N	2,3',4,4',5- PENTACHLOROBIPHENYL	0.18	2.3 J,B	2.3 J	+	PG/L	B1/TR
BA7DC-WO20-0915-1	L1678061-28	WO	N	2,3',4,4'- TETRACHLOROBIPHENYL	0.26	2.8 J,B	2.8 J	+	PG/L	B1/TR
BA7DC-WO20-0915-1	L1678061-28	WO	N	2,4,4'-TRICHLOROBIPHENYL	0.34	5.6 J,B	5.6 J		PG/L	B1/TR
BA7DC-WO20-0915-1	L1678061-28	WO	N	2,4',5-TRICHLOROBIPHENYL	0.34	4.0 J,B	4.0 J	+	PG/L	B1/TR

Automated Data Review Detail Report for L1678061

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1668C		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
BA7DC-WO20-0915-1	L1678061-28	WO	N	2,4'-DICHLOROBIPHENYL	2.4	4.8 J,M	4.8 J		PG/L	TR/G4
BA7DC-WO20-0915-1	L1678061-28	WO	N	3,4,4'-TRICHLOROBIPHENYL	1.6	1.3 J,B	1.6 U		PG/L	B1
BA7DC-WO20-0915-1	L1678061-28	WO	N	PCB061/070/074/076	0.26	4.1 J,B	4.1 J	+	PG/L	B1/TR
BA7DC-WO35-0915-1	L1678061-29	WO	N	2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	0.68	0.44 J,B	0.68 U		PG/L	K1/B1
BA7DC-WO35-0915-1	L1678061-29	WO	N	2,2',3,3',4,4',5'-HEPTACHLOROBIPHENYL	0.10	0.27 J,M	0.27 J		PG/L	TR/G4
BA7DC-WO35-0915-1	L1678061-29	WO	N	2,2',3,3',4,4'-HEXACHLOROBIPHENYL	0.11	0.46 J,M	0.46 J		PG/L	TR/G4
BA7DC-WO35-0915-1	L1678061-29	WO	N	2,2',3,3',4,5',6'-HEPTACHLOROBIPHENYL	0.11	0.22 J	0.22 J		PG/L	TR
BA7DC-WO35-0915-1	L1678061-29	WO	N	2,2',3,4,4',5,5'-HEPTACHLOROBIPHENYL	0.080	0.63 J,B	0.63 J	+	PG/L	B1/TR
BA7DC-WO35-0915-1	L1678061-29	WO	N	2,2',3,4,4',5,6'-HEPTACHLOROBIPHENYL	0.093	0.19 J,M	0.19 J		PG/L	TR/G4
BA7DC-WO35-0915-1	L1678061-29	WO	N	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	0.12	3.2 J	3.2 J	+	PG/L	K1/B1/TR
BA7DC-WO35-0915-1	L1678061-29	WO	N	2,2',3,4',5,5',6'-HEPTACHLOROBIPHENYL	0.083	0.45 J	0.45 J		PG/L	TR
BA7DC-WO35-0915-1	L1678061-29	WO	N	2,2',3,4',5,6'-HEXACHLOROBIPHENYL	0.12	2.5 J,B	2.5 J	+	PG/L	K1/B1/TR
BA7DC-WO35-0915-1	L1678061-29	WO	N	2,2',3,4,5'-PENTACHLOROBIPHENYL/2,3',4,4',6'-Pentachlorobiphenyl	0.15	4.8 J	4.8 J		PG/L	TR
BA7DC-WO35-0915-1	L1678061-29	WO	N	2,2',3,5,5',6'-HEXACHLOROBIPHENYL	0.094	1.1 J,M	1.1 J		PG/L	TR/G4
BA7DC-WO35-0915-1	L1678061-29	WO	N	2,2',3,5'-TETRACHLOROBIPHENYL	0.18	9.8 J,B	9.8 J	+	PG/L	K1/B1/TR
BA7DC-WO35-0915-1	L1678061-29	WO	N	2,2',4,4',5,5'-HEXACHLOROBIPHENYL/2,3',4,4',5',6'-HEXACHLOROBIPHENYL	0.10	2.2 J,M	2.2 J	+	PG/L	K1/B1/TR/G4
BA7DC-WO35-0915-1	L1678061-29	WO	N	2,2',4,4',5'-PENTACHLOROBIPHENYL	0.18	4.0 J	4.0 J		PG/L	TR
BA7DC-WO35-0915-1	L1678061-29	WO	N	2,2',4,5,5'-PENTACHLOROBIPHENYL	0.17	6.9 J,B	6.9 J	+	PG/L	K1/B1/TR

Automated Data Review Detail Report for L1678061

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1668C		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
BA7DC-WO35-0915-1	L1678061-29	WO	N	2,2',4,5'-TETRACHLOROBIPHENYL	0.17	4.9 J	4.9 J	+	PG/L	K1/B1/TR
BA7DC-WO35-0915-1	L1678061-29	WO	N	2,2',5,5'-TETRACHLOROBIPHENYL	0.21	10.1 J,B	10.1 J	+	PG/L	K1/B1/TR
BA7DC-WO35-0915-1	L1678061-29	WO	N	2,2',5-TRICHLOROBIPHENYL	0.20	3.1 J,B	3.1 J	+	PG/L	B1/TR
BA7DC-WO35-0915-1	L1678061-29	WO	N	2,3,3',4,4',5'-Hexachlorobiphenyl/2,3,3',4,4',5'-Hexachlorobiphenyl	0.12	0.44 J,M	0.44 J		PG/L	TR/G4
BA7DC-WO35-0915-1	L1678061-29	WO	N	2,3,3',4,4',6-HEXACHLOROBIPHENYL	0.089	0.30 J	0.30 J		PG/L	TR
BA7DC-WO35-0915-1	L1678061-29	WO	N	2,3,3',4,4'-PENTACHLOROBIPHENYL	0.11	2.1 J	2.1 J	+	PG/L	B1/TR
BA7DC-WO35-0915-1	L1678061-29	WO	N	2,3,3',4',6-PENTACHLOROBIPHENYL	0.14	10.2 J	10.2 J	+	PG/L	K1/B1/TR
BA7DC-WO35-0915-1	L1678061-29	WO	N	2,3',4,4',5,5'-HEXACHLOROBIPHENYL	0.095	0.18 J	0.18 J		PG/L	TR
BA7DC-WO35-0915-1	L1678061-29	WO	N	2,3,4,4',5-PENTACHLOROBIPHENYL	0.11	0.17 J	0.17 J		PG/L	TR
BA7DC-WO35-0915-1	L1678061-29	WO	N	2,3',4,4',5-PENTACHLOROBIPHENYL	0.11	4.5 J,B	4.5 J	+	PG/L	K1/B1/TR
BA7DC-WO35-0915-1	L1678061-29	WO	N	2,3',4,4'-TETRACHLOROBIPHENYL	0.19	6.8 J	6.8 J	+	PG/L	B1/TR
BA7DC-WO35-0915-1	L1678061-29	WO	N	2,4,4'-TRICHLOROBIPHENYL	0.22	6.2 J,B	6.2 J	+	PG/L	B1/TR
BA7DC-WO35-0915-1	L1678061-29	WO	N	2,4',5-TRICHLOROBIPHENYL	0.22	4.9 J,B	4.9 J	+	PG/L	B1/TR
BA7DC-WO35-0915-1	L1678061-29	WO	N	2,4'-DICHLOROBIPHENYL	20.0	2.3 J	20.0 U		PG/L	B1
BA7DC-WO35-0915-1	L1678061-29	WO	N	3,3',4,4'-TETRACHLOROBIPHENYL	0.20	0.45 J	0.45 J		PG/L	TR
BA7DC-WO35-0915-1	L1678061-29	WO	N	3,4,4'-TRICHLOROBIPHENYL	0.25	1.3 J,B	1.3 J	+	PG/L	B1/TR
BA7DC-WO35-0915-1	L1678061-29	WO	N	PCB061/070/074/076	0.19	12.2 J,B	12.2 J	+	PG/L	B1/K1/TR
BA7DC-WO38-0915-1	L1678061-30	WO	FR	2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	0.055	1.5 J,B	1.5 J	+	PG/L	K1/B1/TR
BA7DC-WO38-0915-1	L1678061-30	WO	FR	2,2',3,3',4,4',5,5'-OCTACHLOROBIPHENYL	0.072	0.27 J,M	0.27 J		PG/L	TR/G4/D5
BA7DC-WO38-0915-1	L1678061-30	WO	FR	2,2',3,3',4,4',5,6-OCTACHLOROBIPHENYL	0.079	0.15 J,M	0.15 J		PG/L	TR/G4

Automated Data Review Detail Report for L1678061

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1668C		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
BA7DC-WO38-0915-1	L1678061-30	WO	FR	2,2',3,3',4,4',5-HEPTACHLOROBIPHENYL	0.066	0.72 J	0.72 J		PG/L	TR/D5
BA7DC-WO38-0915-1	L1678061-30	WO	FR	2,2',3,3',4,4'-HEXACHLOROBIPHENYL	0.065	0.50 J,M	0.50 J		PG/L	TR/G4
BA7DC-WO38-0915-1	L1678061-30	WO	FR	2,2',3,3',4,5',6'-HEPTACHLOROBIPHENYL	0.067	0.34 J,M	0.34 J		PG/L	TR/G4/D5
BA7DC-WO38-0915-1	L1678061-30	WO	FR	2,2',3,4',5,5'-HEPTACHLOROBIPHENYL	0.051	1.4 J,B	1.4 J	+	PG/L	B1/TR/D5
BA7DC-WO38-0915-1	L1678061-30	WO	FR	2,2',3,4,4',5,6'-HEPTACHLOROBIPHENYL	0.061	0.41 J	0.41 J		PG/L	TR/D5
BA7DC-WO38-0915-1	L1678061-30	WO	FR	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	0.070	4.3 J	4.3 J	+	PG/L	K1/B1/TR
BA7DC-WO38-0915-1	L1678061-30	WO	FR	2,2',3,4',5,5',6'-HEPTACHLOROBIPHENYL	0.052	0.75 J	0.75 J		PG/L	TR/D5
BA7DC-WO38-0915-1	L1678061-30	WO	FR	2,2',3,4',5,6'-HEXACHLOROBIPHENYL	0.073	0.073 M,U	0.073 UJ		PG/L	K1/B1/D5
BA7DC-WO38-0915-1	L1678061-30	WO	FR	2,2',3,4,5'-PENTACHLOROBIPHENYL/2,3',4,4',6-Pentachlorobiphenyl	0.16	3.9 J	3.9 J		PG/L	TR
BA7DC-WO38-0915-1	L1678061-30	WO	FR	2,2',3,5,5',6'-HEXACHLOROBIPHENYL	0.062	1.2 J	1.2 J		PG/L	TR
BA7DC-WO38-0915-1	L1678061-30	WO	FR	2,2',3,5'-TETRACHLOROBIPHENYL	0.083	7.0 J,B	7.0 J	+	PG/L	K1/B1/TR
BA7DC-WO38-0915-1	L1678061-30	WO	FR	2,2',4,4',5,5'-HEXACHLOROBIPHENYL/2,3',4,4',5,6'-HEXACHLOROBIPHENYL	0.060	3.2 J	3.2 J	+	PG/L	K1/B1/TR
BA7DC-WO38-0915-1	L1678061-30	WO	FR	2,2',4,4',5'-PENTACHLOROBIPHENYL	0.19	3.3 J	3.3 J		PG/L	TR
BA7DC-WO38-0915-1	L1678061-30	WO	FR	2,2',4,5,5'-PENTACHLOROBIPHENYL	0.17	5.5 J,B	5.5 J	+	PG/L	K1/B1/TR
BA7DC-WO38-0915-1	L1678061-30	WO	FR	2,2',4,5'-TETRACHLOROBIPHENYL	0.076	3.4 J	3.4 J	+	PG/L	K1/B1/TR
BA7DC-WO38-0915-1	L1678061-30	WO	FR	2,2',5,5'-TETRACHLOROBIPHENYL	0.097	7.3 J,B	7.3 J	+	PG/L	K1/B1/TR
BA7DC-WO38-0915-1	L1678061-30	WO	FR	2,2',5-TRICHLOROBIPHENYL	2.5	2.5 J,M	2.5 UJ		PG/L	B1/G4

Automated Data Review Detail Report for L1678061

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1668C		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
BA7DC-WO38-0915-1	L1678061-30	WO	FR	2,3,3',4,4',5'-Hexachlorobiphenyl/2,3,3',4,4',5'-Hexachlorobiphenyl	0.077	0.47 J,M	0.47 J		PG/L	TR/G4
BA7DC-WO38-0915-1	L1678061-30	WO	FR	2,3,3',4,4',6'-HEXACHLOROBIPHENYL	0.051	0.37 J,M	0.37 J		PG/L	TR/G4
BA7DC-WO38-0915-1	L1678061-30	WO	FR	2,3,3',4,4'-PENTACHLOROBIPHENYL	0.098	2.3 J	2.3 J	+	PG/L	B1/TR/D5
BA7DC-WO38-0915-1	L1678061-30	WO	FR	2,3,3',4,6'-PENTACHLOROBIPHENYL	0.15	7.6 J	7.6 J	+	PG/L	K1/B1/TR
BA7DC-WO38-0915-1	L1678061-30	WO	FR	2,3',4,4',5,5'-HEXACHLOROBIPHENYL	0.058	0.21 J,M	0.21 J		PG/L	TR/G4/D5
BA7DC-WO38-0915-1	L1678061-30	WO	FR	2,3,4,4',5-PENTACHLOROBIPHENYL	0.099	0.099 U	0.099 UJ		PG/L	D5
BA7DC-WO38-0915-1	L1678061-30	WO	FR	2',3,4,4',5-PENTACHLOROBIPHENYL	0.099	0.14 J,M	0.14 J		PG/L	TR/G4
BA7DC-WO38-0915-1	L1678061-30	WO	FR	2,3',4,4',5-PENTACHLOROBIPHENYL	0.10	5.5 J,B	5.5 J	+	PG/L	K1/B1/TR
BA7DC-WO38-0915-1	L1678061-30	WO	FR	2,3',4,4'-TETRACHLOROBIPHENYL	0.11	5.9 J	5.9 J	+	PG/L	B1/TR
BA7DC-WO38-0915-1	L1678061-30	WO	FR	2,4,4'-TRICHLOROBIPHENYL	0.15	5.6 J,B	5.6 J	+	PG/L	B1/TR
BA7DC-WO38-0915-1	L1678061-30	WO	FR	2,4',5-TRICHLOROBIPHENYL	0.15	3.9 J,B	3.9 J	+	PG/L	B1/TR
BA7DC-WO38-0915-1	L1678061-30	WO	FR	2,4'-DICHLOROBIPHENYL	2.0	2.0 J,M	2.0 U		PG/L	B1/G4
BA7DC-WO38-0915-1	L1678061-30	WO	FR	3,3',4,4',5,5'-HEXACHLOROBIPHENYL	0.057	0.057 U	0.057 UJ		PG/L	D5
BA7DC-WO38-0915-1	L1678061-30	WO	FR	3,3',4,4'-TETRACHLOROBIPHENYL	0.11	0.48 J	0.48 J		PG/L	TR/D5
BA7DC-WO38-0915-1	L1678061-30	WO	FR	3,4,4'-TRICHLOROBIPHENYL	1.1	0.94 J,B	1.1 UJ		PG/L	B1/D5
BA7DC-WO38-0915-1	L1678061-30	WO	FR	PCB061/070/074/076	0.10	9.5 J,B	9.5 J	+	PG/L	B1/K1/TR
BA7DC-WO38-0915-2	L1678061-31	WO	N	2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	0.50	0.50 J,M	0.50 UJ		PG/L	K1/B1/G4/D5
BA7DC-WO38-0915-2	L1678061-31	WO	N	2,2',3,3',4,4',5,5'-OCTACHLOROBIPHENYL	0.12	0.16 J	0.16 J		PG/L	TR/D5
BA7DC-WO38-0915-2	L1678061-31	WO	N	2,2',3,3',4,4',5,6-OCTACHLOROBIPHENYL	0.13	0.13 U	0.13 UJ		PG/L	D5
BA7DC-WO38-0915-2	L1678061-31	WO	N	2,2',3,3',4,4',5-HEPTACHLOROBIPHENYL	0.15	0.27 J	0.27 J		PG/L	TR/D5

Automated Data Review Detail Report for L1678061

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1668C		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
BA7DC-WO38-0915-2	L1678061-31	WO	N	2,2',3,3',4,4'- HEXACHLOROBIPHENYL	0.11	0.46 J	0.46 J		PG/L	TR
BA7DC-WO38-0915-2	L1678061-31	WO	N	2,2',3,3',4,5',6'- HEPTACHLOROBIPHENYL	0.16	0.16 U	0.16 UJ		PG/L	D5
BA7DC-WO38-0915-2	L1678061-31	WO	N	2,2',3,4,4',5,5',6'- OCTACHLOROBIPHENYL	0.11	0.16 J,M	0.16 J		PG/L	TR/G4/D5
BA7DC-WO38-0915-2	L1678061-31	WO	N	2,2',3,4,4',5,5'- HEPTACHLOROBIPHENYL	0.12	0.83 J,B	0.83 J	+	PG/L	B1/TR/D5
BA7DC-WO38-0915-2	L1678061-31	WO	N	2,2',3,4,4',5,6'- HEPTACHLOROBIPHENYL	0.14	0.24 J	0.24 J		PG/L	TR/D5
BA7DC-WO38-0915-2	L1678061-31	WO	N	2,2',3,4,4',5'- HEXACHLOROBIPHENYL	0.12	3.3 J	3.3 J	+	PG/L	K1/B1/TR/D5
BA7DC-WO38-0915-2	L1678061-31	WO	N	2,2',3,4',5,5',6'- HEPTACHLOROBIPHENYL	0.13	0.44 J,M	0.44 J		PG/L	TR/G4/D5
BA7DC-WO38-0915-2	L1678061-31	WO	N	2,2',3,4',5,6'- HEXACHLOROBIPHENYL	0.12	2.0 J,M	2.0 J	+	PG/L	K1/B1/TR/G4/ D5
BA7DC-WO38-0915-2	L1678061-31	WO	N	2,2',3,4,5'- PENTACHLOROBIPHENYL/2,3', 4,4',6-Pentachlorobiphenyl	0.13	2.6 J,M	2.6 J		PG/L	TR/G4
BA7DC-WO38-0915-2	L1678061-31	WO	N	2,2',3,5,5',6'- HEXACHLOROBIPHENYL	0.13	1.0 J	1.0 J		PG/L	TR
BA7DC-WO38-0915-2	L1678061-31	WO	N	2,2',3,5'- TETRACHLOROBIPHENYL	0.15	7.3 J,B	7.3 J	+	PG/L	K1/B1/TR
BA7DC-WO38-0915-2	L1678061-31	WO	N	2,2',4,4',5,5'- HEXACHLOROBIPHENYL/2,3',4 ,4',5',6- HEXACHLOROBIPHENYL	0.097	2.2 J	2.2 J	+	PG/L	K1/B1/TR
BA7DC-WO38-0915-2	L1678061-31	WO	N	2,2',4,4',5'- PENTACHLOROBIPHENYL	0.16	2.9 J,M	2.9 J		PG/L	TR/G4
BA7DC-WO38-0915-2	L1678061-31	WO	N	2,2',4,5,5'- PENTACHLOROBIPHENYL	0.15	5.2 J,B	5.2 J	+	PG/L	K1/B1/TR
BA7DC-WO38-0915-2	L1678061-31	WO	N	2,2',4,5'- TETRACHLOROBIPHENYL	0.14	3.3 J	3.3 J	+	PG/L	K1/B1/TR
BA7DC-WO38-0915-2	L1678061-31	WO	N	2,2',5,5'- TETRACHLOROBIPHENYL	0.17	7.0 J,B	7.0 J	+	PG/L	K1/B1/TR
BA7DC-WO38-0915-2	L1678061-31	WO	N	2,2',5-TRICHLOROBIPHENYL	2.7	2.4 J,B	2.7 UJ		PG/L	B1/D5

Automated Data Review Detail Report for L1678061

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1668C		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
BA7DC-WO38-0915-2	L1678061-31	WO	N	2,3,3',4,4',5'-Hexachlorobiphenyl/2,3,3',4,4',5'-Hexachlorobiphenyl	0.12	0.43 J	0.43 J		PG/L	TR/D5
BA7DC-WO38-0915-2	L1678061-31	WO	N	2,3,3',4,4',6-HEXACHLOROBIPHENYL	0.085	0.28 J	0.28 J		PG/L	TR/D5
BA7DC-WO38-0915-2	L1678061-31	WO	N	2,3,3',4,4'-PENTACHLOROBIPHENYL	0.12	4.0 J	4.0 J	+	PG/L	B1/TR/D5
BA7DC-WO38-0915-2	L1678061-31	WO	N	2,3,3',4,6-PENTACHLOROBIPHENYL	0.12	8.7 J	8.7 J	+	PG/L	K1/B1/TR/D5
BA7DC-WO38-0915-2	L1678061-31	WO	N	2,3',4,4',5,5'-HEXACHLOROBIPHENYL	0.090	0.090 U	0.090 UJ		PG/L	D5
BA7DC-WO38-0915-2	L1678061-31	WO	N	2,3,4,4',5-PENTACHLOROBIPHENYL	0.11	0.24 J	0.24 J		PG/L	TR/D5
BA7DC-WO38-0915-2	L1678061-31	WO	N	2',3,4,4',5-PENTACHLOROBIPHENYL	0.13	0.18 J,M	0.18 J		PG/L	TR/G4/D5
BA7DC-WO38-0915-2	L1678061-31	WO	N	2,3',4,4',5-PENTACHLOROBIPHENYL	0.12	4.9 J,M	4.9 J	+	PG/L	K1/B1/TR/G4/D5
BA7DC-WO38-0915-2	L1678061-31	WO	N	2,3',4,4'-TETRACHLOROBIPHENYL	0.24	7.7 J	7.7 J	+	PG/L	B1/TR/D5
BA7DC-WO38-0915-2	L1678061-31	WO	N	2,4,4'-TRICHLOROBIPHENYL	0.26	4.6 J,B	4.6 J	+	PG/L	B1/TR
BA7DC-WO38-0915-2	L1678061-31	WO	N	2,4',5-TRICHLOROBIPHENYL	0.26	3.8 J,B	3.8 J	+	PG/L	B1/TR
BA7DC-WO38-0915-2	L1678061-31	WO	N	2,4'-DICHLOROBIPHENYL	20.0	2.3 J	20.0 U		PG/L	B1
BA7DC-WO38-0915-2	L1678061-31	WO	N	3,3',4,4',5,5'-HEXACHLOROBIPHENYL	0.096	0.12 J	0.12 J		PG/L	TR/D5
BA7DC-WO38-0915-2	L1678061-31	WO	N	3,3',4,4'-TETRACHLOROBIPHENYL	0.25	1.3 J,M	1.3 J		PG/L	TR/G4/D5
BA7DC-WO38-0915-2	L1678061-31	WO	N	3,4,4'-TRICHLOROBIPHENYL	0.30	1.8 J,B	1.8 J	+	PG/L	B1/TR/D5
BA7DC-WO38-0915-2	L1678061-31	WO	N	PCB061/070/074/076	0.24	11.1 J,B	11.1 J	+	PG/L	B1/K1/TR
BA7DC-WO38-0915-3	L1678061-32	WO	FD	2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	0.57	0.57 J,M	0.57 UJ		PG/L	K1/B1/G4/D5
BA7DC-WO38-0915-3	L1678061-32	WO	FD	2,2',3,3',4,4',5,5'-OCTACHLOROBIPHENYL	0.091	0.091 U	0.091 UJ		PG/L	D5
BA7DC-WO38-0915-3	L1678061-32	WO	FD	2,2',3,3',4,4',5,6-OCTACHLOROBIPHENYL	0.099	0.099 U	0.099 UJ		PG/L	D5
BA7DC-WO38-0915-3	L1678061-32	WO	FD	2,2',3,3',4,4',5-HEPTACHLOROBIPHENYL	0.11	0.24 J,M	0.24 J		PG/L	TR/G4

Automated Data Review Detail Report for L1678061

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1668C		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
BA7DC-WO38-0915-3	L1678061-32	WO	FD	2,2',3,3',4,4'- HEXACHLOROBIPHENYL	0.10	0.36 J,M	0.36 J		PG/L	TR/G4
BA7DC-WO38-0915-3	L1678061-32	WO	FD	2,2',3,4,4',5,5',6- OCTACHLOROBIPHENYL	0.078	0.11 J	0.11 J		PG/L	TR/D5
BA7DC-WO38-0915-3	L1678061-32	WO	FD	2,2',3,4,4',5,5'- HEPTACHLOROBIPHENYL	0.088	0.47 J,B	0.47 J	+	PG/L	B1/TR/D5
BA7DC-WO38-0915-3	L1678061-32	WO	FD	2,2',3,4,4',5',6- HEPTACHLOROBIPHENYL	0.10	0.15 J,M	0.15 J		PG/L	TR/G4/D5
BA7DC-WO38-0915-3	L1678061-32	WO	FD	2,2',3,4,4',5'- HEXACHLOROBIPHENYL	0.11	1.9 J	1.9 J	+	PG/L	K1/B1/TR/D5
BA7DC-WO38-0915-3	L1678061-32	WO	FD	2,2',3,4',5,5',6- HEPTACHLOROBIPHENYL	0.092	0.27 J,M	0.27 J		PG/L	TR/G4/D5
BA7DC-WO38-0915-3	L1678061-32	WO	FD	2,2',3,4',5',6- HEXACHLOROBIPHENYL	0.12	1.7 J,M	1.7 J	+	PG/L	K1/B1/TR/G4
BA7DC-WO38-0915-3	L1678061-32	WO	FD	2,2',3,4,5'- PENTACHLOROBIPHENYL/2,3', 4,4',6-Pentachlorobiphenyl	0.21	3.2 J	3.2 J		PG/L	TR
BA7DC-WO38-0915-3	L1678061-32	WO	FD	2,2',3,5,5',6- HEXACHLOROBIPHENYL	0.087	0.76 J,M	0.76 J		PG/L	TR/G4
BA7DC-WO38-0915-3	L1678061-32	WO	FD	2,2',3,5'- TETRACHLOROBIPHENYL	0.17	9.5 J,B	9.5 J	+	PG/L	K1/B1/TR
BA7DC-WO38-0915-3	L1678061-32	WO	FD	2,2',4,4',5,5'- HEXACHLOROBIPHENYL/2,3',4 ,4',5',6- HEXACHLOROBIPHENYL	0.095	1.8 J	1.8 J	+	PG/L	K1/B1/TR
BA7DC-WO38-0915-3	L1678061-32	WO	FD	2,2',4,4',5- PENTACHLOROBIPHENYL	0.26	2.7 J	2.7 J		PG/L	TR
BA7DC-WO38-0915-3	L1678061-32	WO	FD	2,2',4,5,5'- PENTACHLOROBIPHENYL	0.24	4.6 J,B	4.6 J	+	PG/L	K1/B1/TR
BA7DC-WO38-0915-3	L1678061-32	WO	FD	2,2',4,5'- TETRACHLOROBIPHENYL	0.16	3.2 J,M	3.2 J	+	PG/L	K1/B1/TR/G4
BA7DC-WO38-0915-3	L1678061-32	WO	FD	2,2',5,5'- TETRACHLOROBIPHENYL	0.20	7.0 J,B	7.0 J	+	PG/L	K1/B1/TR
BA7DC-WO38-0915-3	L1678061-32	WO	FD	2,2',5-TRICHLOROBIPHENYL	0.28	3.1 J,B	3.1 J	+	PG/L	B1/TR/D5
BA7DC-WO38-0915-3	L1678061-32	WO	FD	2,3,3',4,4',5- Hexachlorobiphenyl/2,3,3',4,4',5'- Hexachlorobiphenyl	0.11	0.18 J	0.18 J		PG/L	TR/D5

Automated Data Review Detail Report for L1678061

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1668C		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
BA7DC-WO38-0915-3	L1678061-32	WO	FD	2,3,3',4,4',6- HEXACHLOROBIPHENYL	0.083	0.17 J,M	0.17 J		PG/L	TR/G4/D5
BA7DC-WO38-0915-3	L1678061-32	WO	FD	2,3,3',4,4'- PENTACHLOROBIPHENYL	0.11	1.5 J	1.5 J	+	PG/L	B1/TR/D5
BA7DC-WO38-0915-3	L1678061-32	WO	FD	2,3,3',4',6- PENTACHLOROBIPHENYL	0.20	5.7 J	5.7 J	+	PG/L	K1/B1/TR/D5
BA7DC-WO38-0915-3	L1678061-32	WO	FD	2,3,4,4',5- PENTACHLOROBIPHENYL	0.11	0.19 J	0.19 J		PG/L	TR
BA7DC-WO38-0915-3	L1678061-32	WO	FD	2',3,4,4',5- PENTACHLOROBIPHENYL	0.12	0.12 U	0.12 UJ		PG/L	D5
BA7DC-WO38-0915-3	L1678061-32	WO	FD	2,3',4,4',5- PENTACHLOROBIPHENYL	0.11	3.3 J,B	3.3 J	+	PG/L	K1/B1/TR/D5
BA7DC-WO38-0915-3	L1678061-32	WO	FD	2,3',4,4'- TETRACHLOROBIPHENYL	0.17	4.8 J	4.8 J	+	PG/L	B1/TR/D5
BA7DC-WO38-0915-3	L1678061-32	WO	FD	2,4,4'-TRICHLOROBIPHENYL	0.27	4.8 J,B	4.8 J	+	PG/L	B1/TR
BA7DC-WO38-0915-3	L1678061-32	WO	FD	2,4',5-TRICHLOROBIPHENYL	0.27	4.1 J,B	4.1 J	+	PG/L	B1/TR
BA7DC-WO38-0915-3	L1678061-32	WO	FD	2,4'-DICHLOROBIPHENYL	2.8	2.8 J,M	2.8 U		PG/L	B1/G4
BA7DC-WO38-0915-3	L1678061-32	WO	FD	3,3',4,4',5,5'- HEXACHLOROBIPHENYL	0.093	0.093 U	0.093 UJ		PG/L	D5
BA7DC-WO38-0915-3	L1678061-32	WO	FD	3,3',4,4'- TETRACHLOROBIPHENYL	0.17	0.27 J,M	0.27 J		PG/L	TR/G4/D5
BA7DC-WO38-0915-3	L1678061-32	WO	FD	3,4,4'-TRICHLOROBIPHENYL	0.97	0.97 J,M	0.97 UJ		PG/L	B1/G4/D5
BA7DC-WO38-0915-3	L1678061-32	WO	FD	PCB061/070/074/076	0.17	8.2 J,B	8.2 J	+	PG/L	B1/K1/TR
BA7DC-WO5-0915-1	L1678061-27	WO	N	2,2',3,3',4,4',5,5',6,6'- Decachlorobiphenyl	0.68	0.57 J,B	0.68 U		PG/L	K1/B1
BA7DC-WO5-0915-1	L1678061-27	WO	N	2,2',3,4,4',5,5'- HEPTACHLOROBIPHENYL	0.24	0.24 J,M	0.24 U		PG/L	B1/G4
BA7DC-WO5-0915-1	L1678061-27	WO	N	2,2',3,4,4',5'- HEXACHLOROBIPHENYL	0.89	0.78 J	0.89 U		PG/L	K1/B1
BA7DC-WO5-0915-1	L1678061-27	WO	N	2,2',3,4',5,5',6- HEPTACHLOROBIPHENYL	0.092	0.20 J,M	0.20 J		PG/L	TR/G4
BA7DC-WO5-0915-1	L1678061-27	WO	N	2,2',3,4',5',6- HEXACHLOROBIPHENYL	0.13	0.73 J,B	0.73 J	+	PG/L	K1/B1/TR
BA7DC-WO5-0915-1	L1678061-27	WO	N	2,2',3,4,5'- PENTACHLOROBIPHENYL/2,3', 4,4',6-Pentachlorobiphenyl	0.13	1.0 J,M	1.0 J		PG/L	TR/G4

Automated Data Review Detail Report for L1678061

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1668C		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
BA7DC-WO5-0915-1	L1678061-27	WO	N	2,2',3,5,5',6'- HEXACHLOROBIPHENYL	0.090	0.33 J	0.33 J		PG/L	TR
BA7DC-WO5-0915-1	L1678061-27	WO	N	2,2',3,5'- TETRACHLOROBIPHENYL	3.1	3.0 J,B	3.1 U		PG/L	K1/B1
BA7DC-WO5-0915-1	L1678061-27	WO	N	2,2',4,4',5,5'- HEXACHLOROBIPHENYL/2,3',4 ,4',5',6'- HEXACHLOROBIPHENYL	0.11	0.80 J	0.80 J	+	PG/L	K1/B1/TR
BA7DC-WO5-0915-1	L1678061-27	WO	N	2,2',4,4',5'- PENTACHLOROBIPHENYL	0.15	0.83 J	0.83 J		PG/L	TR
BA7DC-WO5-0915-1	L1678061-27	WO	N	2,2',4,5,5'- PENTACHLOROBIPHENYL	0.14	1.3 J,B	1.3 J	+	PG/L	K1/B1/TR
BA7DC-WO5-0915-1	L1678061-27	WO	N	2,2',4,5'- TETRACHLOROBIPHENYL	0.70	0.70 J,M	0.70 U		PG/L	K1/B1/G4
BA7DC-WO5-0915-1	L1678061-27	WO	N	2,2',5,5'- TETRACHLOROBIPHENYL	0.21	2.4 J,B	2.4 J	+	PG/L	K1/B1/TR
BA7DC-WO5-0915-1	L1678061-27	WO	N	2,2',5-TRICHLOROBIPHENYL	2.7	1.8 J,B	2.7 U		PG/L	B1
BA7DC-WO5-0915-1	L1678061-27	WO	N	2,3,3',4,4'- PENTACHLOROBIPHENYL	0.35	0.35 J	0.35 U		PG/L	B1
BA7DC-WO5-0915-1	L1678061-27	WO	N	2,3,3',4',6'- PENTACHLOROBIPHENYL	0.12	1.8 J	1.8 J	+	PG/L	K1/B1/TR
BA7DC-WO5-0915-1	L1678061-27	WO	N	2,3',4,4',5'- PENTACHLOROBIPHENYL	1.1	0.85 J,B	1.1 U		PG/L	K1/B1
BA7DC-WO5-0915-1	L1678061-27	WO	N	2,3',4,4'- TETRACHLOROBIPHENYL	0.23	1.2 J	1.2 J	+	PG/L	B1/TR
BA7DC-WO5-0915-1	L1678061-27	WO	N	2,4,4'-TRICHLOROBIPHENYL	3.6	2.6 J,B	3.6 U		PG/L	B1
BA7DC-WO5-0915-1	L1678061-27	WO	N	2,4',5-TRICHLOROBIPHENYL	2.9	1.9 J,B	2.9 U		PG/L	B1
BA7DC-WO5-0915-1	L1678061-27	WO	N	2,4'-DICHLOROBIPHENYL	20.0	2.4 J	20.0 U		PG/L	B1
BA7DC-WO5-0915-1	L1678061-27	WO	N	3,4,4'-TRICHLOROBIPHENYL	0.36	0.36 J,M	0.36 U		PG/L	B1/G4
BA7DC-WO5-0915-1	L1678061-27	WO	N	PCB061/070/074/076	1.9	1.9 J,M	1.9 U		PG/L	B1/K1/G4
W2-WO100-0915-1	L1678061-34	WO	N	2,2',3,3',4,4',5,5',6,6'- Decachlorobiphenyl	0.19	0.38 J,M	0.38 J		PG/L	TR/G4
W2-WO100-0915-1	L1678061-34	WO	N	2,2',3,4,4',5'- HEXACHLOROBIPHENYL	0.31	1.8 J	1.8 J		PG/L	TR
W2-WO100-0915-1	L1678061-34	WO	N	2,2',3,4',5',6'- HEXACHLOROBIPHENYL	0.33	1.3 J,M	1.3 J		PG/L	TR/G4

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EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1668C		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
W2-WO100-0915-1	L1678061-34	WO	N	2,2',3,4,5'-PENTACHLOROBIPHENYL/2,3',4,4',6-Pentachlorobiphenyl	0.40	1.2 J,M	1.2 J		PG/L	TR/G4
W2-WO100-0915-1	L1678061-34	WO	N	2,2',3,5'-TETRACHLOROBIPHENYL	0.63	7.1 J,B	7.1 J	+	PG/L	B1/TR
W2-WO100-0915-1	L1678061-34	WO	N	2,2',4,4',5,5'-HEXACHLOROBIPHENYL/2,3',4,4',5,6'-HEXACHLOROBIPHENYL	0.27	1.4 J	1.4 J		PG/L	TR
W2-WO100-0915-1	L1678061-34	WO	N	2,2',4,5,5'-PENTACHLOROBIPHENYL	0.44	1.8 J,M	1.8 J		PG/L	TR/G4
W2-WO100-0915-1	L1678061-34	WO	N	2,2',4,5'-TETRACHLOROBIPHENYL	0.59	1.7 J	1.7 J		PG/L	TR
W2-WO100-0915-1	L1678061-34	WO	N	2,2',5,5'-TETRACHLOROBIPHENYL	0.78	3.7 J,M	3.7 J	+	PG/L	B1/TR/G4
W2-WO100-0915-1	L1678061-34	WO	N	2,2',5-TRICHLOROBIPHENYL	0.85	2.2 J,M	2.2 J		PG/L	TR/G4
W2-WO100-0915-1	L1678061-34	WO	N	2,3,3',4,4'-PENTACHLOROBIPHENYL	0.35	1.2 J	1.2 J		PG/L	TR
W2-WO100-0915-1	L1678061-34	WO	N	2,3,3',4',6-PENTACHLOROBIPHENYL	0.37	2.9 J	2.9 J	+	PG/L	B1/TR
W2-WO100-0915-1	L1678061-34	WO	N	2,3',4,4',5-PENTACHLOROBIPHENYL	0.33	1.7 J	1.7 J		PG/L	TR
W2-WO100-0915-1	L1678061-34	WO	N	2,3',4,4'-TETRACHLOROBIPHENYL	0.49	2.1 J,M	2.1 J		PG/L	TR/G4
W2-WO100-0915-1	L1678061-34	WO	N	2,4,4'-TRICHLOROBIPHENYL	0.63	3.3 J	3.3 J		PG/L	TR
W2-WO100-0915-1	L1678061-34	WO	N	2,4',5-TRICHLOROBIPHENYL	0.62	2.4 J,M	2.4 J		PG/L	TR/G4
W2-WO100-0915-1	L1678061-34	WO	N	PCB061/070/074/076	0.47	3.8 J	3.8 J	+	PG/L	B1/TR
W2-WO195-0915-1	L1678061-35	WO	N	2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	0.16	0.57 J,M	0.57 J		PG/L	TR/G4
W2-WO195-0915-1	L1678061-35	WO	N	2,2',3,3',4,4',5-HEPTACHLOROBIPHENYL	0.23	0.41 J,M	0.41 J		PG/L	TR/G4
W2-WO195-0915-1	L1678061-35	WO	N	2,2',3,3',4,4'-HEXACHLOROBIPHENYL	0.18	0.32 J,M	0.32 J		PG/L	TR/G4
W2-WO195-0915-1	L1678061-35	WO	N	2,2',3,4,4',5,5'-HEPTACHLOROBIPHENYL	0.18	0.71 J,M	0.71 J		PG/L	TR/G4

Automated Data Review Detail Report for L1678061

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1668C		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
W2-WO195-0915-1	L1678061-35	WO	N	2,2',3,4,4',5'- HEXACHLOROBIPHENYL	0.18	2.5 J	2.5 J		PG/L	TR
W2-WO195-0915-1	L1678061-35	WO	N	2,2',3,4',5,5',6- HEPTACHLOROBIPHENYL	0.18	0.56 J	0.56 J		PG/L	TR
W2-WO195-0915-1	L1678061-35	WO	N	2,2',3,4',5',6- HEXACHLOROBIPHENYL	0.20	2.0 J	2.0 J		PG/L	TR
W2-WO195-0915-1	L1678061-35	WO	N	2,2',3,4,5'- PENTACHLOROBIPHENYL/2,3', 4,4',6-Pentachlorobiphenyl	0.27	2.6 J,M	2.6 J		PG/L	TR/G4
W2-WO195-0915-1	L1678061-35	WO	N	2,2',3,5,5',6- HEXACHLOROBIPHENYL	0.28	0.55 J,M	0.55 J		PG/L	TR/G4
W2-WO195-0915-1	L1678061-35	WO	N	2,2',3,5'- TETRACHLOROBIPHENYL	0.45	7.7 J,B	7.7 J	+	PG/L	B1/TR
W2-WO195-0915-1	L1678061-35	WO	N	2,2',4,4',5,5'- HEXACHLOROBIPHENYL/2,3',4 ,4',5',6- HEXACHLOROBIPHENYL	0.16	1.9 J	1.9 J		PG/L	TR
W2-WO195-0915-1	L1678061-35	WO	N	2,2',4,4',5- PENTACHLOROBIPHENYL	0.33	1.6 J	1.6 J		PG/L	TR
W2-WO195-0915-1	L1678061-35	WO	N	2,2',4,5,5'- PENTACHLOROBIPHENYL	0.30	2.8 J	2.8 J		PG/L	TR
W2-WO195-0915-1	L1678061-35	WO	N	2,2',4,5'- TETRACHLOROBIPHENYL	0.42	2.2 J,M	2.2 J		PG/L	TR/G4
W2-WO195-0915-1	L1678061-35	WO	N	2,2',5,5'- TETRACHLOROBIPHENYL	0.55	4.8 J,B	4.8 J	+	PG/L	B1/TR
W2-WO195-0915-1	L1678061-35	WO	N	2,2',5-TRICHLOROBIPHENYL	0.47	2.9 J	2.9 J		PG/L	TR
W2-WO195-0915-1	L1678061-35	WO	N	2,3,3',4,4',5- Hexachlorobiphenyl/2,3,3',4,4',5'- Hexachlorobiphenyl	0.22	0.51 J	0.51 J		PG/L	TR
W2-WO195-0915-1	L1678061-35	WO	N	2,3,3',4,4',6- HEXACHLOROBIPHENYL	0.14	0.37 J	0.37 J		PG/L	TR
W2-WO195-0915-1	L1678061-35	WO	N	2,3,3',4,4'- PENTACHLOROBIPHENYL	0.25	1.4 J,M	1.4 J		PG/L	TR/G4
W2-WO195-0915-1	L1678061-35	WO	N	2,3,3',4',6- PENTACHLOROBIPHENYL	0.25	4.5 J	4.5 J	+	PG/L	B1/TR
W2-WO195-0915-1	L1678061-35	WO	N	2,3',4,4',5- PENTACHLOROBIPHENYL	0.24	2.3 J	2.3 J		PG/L	TR

Automated Data Review Detail Report for L1678061

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1668C		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
W2-WO195-0915-1	L1678061-35	WO	N	2,3',4,4'-TETRACHLOROBIPHENYL	0.39	2.7 J	2.7 J		PG/L	TR
W2-WO195-0915-1	L1678061-35	WO	N	2,4,4'-TRICHLOROBIPHENYL	0.43	3.8 J	3.8 J		PG/L	TR
W2-WO195-0915-1	L1678061-35	WO	N	2,4',5-TRICHLOROBIPHENYL	0.43	2.6 J	2.6 J		PG/L	TR
W2-WO195-0915-1	L1678061-35	WO	N	PCB061/070/074/076	0.38	4.5 J	4.5 J	+	PG/L	B1/TR
W2-WO198-0915-1	L1678061-36	WO	N	2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	0.15	0.45 J,M	0.45 J		PG/L	TR/G4
W2-WO198-0915-1	L1678061-36	WO	N	2,2',3,3',4,4',5-HEPTACHLOROBIPHENYL	0.28	0.83 J	0.83 J		PG/L	TR
W2-WO198-0915-1	L1678061-36	WO	N	2,2',3,3',4,4'-HEXACHLOROBIPHENYL	0.18	0.36 J,M	0.36 J		PG/L	TR/G4
W2-WO198-0915-1	L1678061-36	WO	N	2,2',3,3',4,5',6'-HEPTACHLOROBIPHENYL	0.29	0.35 J,M	0.35 J		PG/L	TR/G4
W2-WO198-0915-1	L1678061-36	WO	N	2,2',3,4,4',5,5'-HEPTACHLOROBIPHENYL	0.22	0.82 J,M	0.82 J		PG/L	TR/G4
W2-WO198-0915-1	L1678061-36	WO	N	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	0.18	1.9 J,M	1.9 J		PG/L	TR/G4
W2-WO198-0915-1	L1678061-36	WO	N	2,2',3,4',5,5',6'-HEPTACHLOROBIPHENYL	0.22	0.28 J,M	0.28 J		PG/L	TR/G4
W2-WO198-0915-1	L1678061-36	WO	N	2,2',3,4',5,6'-HEXACHLOROBIPHENYL	0.20	1.4 J	1.4 J		PG/L	TR
W2-WO198-0915-1	L1678061-36	WO	N	2,2',3,4,5'-PENTACHLOROBIPHENYL/2,3',4,4',6-Pentachlorobiphenyl	0.27	1.9 J,M	1.9 J		PG/L	TR/G4
W2-WO198-0915-1	L1678061-36	WO	N	2,2',3,5,5',6'-HEXACHLOROBIPHENYL	0.18	0.71 J,M	0.71 J		PG/L	TR/G4
W2-WO198-0915-1	L1678061-36	WO	N	2,2',3,5'-TETRACHLOROBIPHENYL	0.28	5.3 J,B	5.3 J	+	PG/L	B1/TR
W2-WO198-0915-1	L1678061-36	WO	N	2,2',4,4',5,5'-HEXACHLOROBIPHENYL/2,3',4,4',5,6'-HEXACHLOROBIPHENYL	0.16	1.8 J	1.8 J		PG/L	TR
W2-WO198-0915-1	L1678061-36	WO	N	2,2',4,4',5-PENTACHLOROBIPHENYL	0.33	1.5 J	1.5 J		PG/L	TR
W2-WO198-0915-1	L1678061-36	WO	N	2,2',4,5,5'-PENTACHLOROBIPHENYL	0.30	2.1 J,M	2.1 J		PG/L	TR/G4

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Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1668C		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
W2-WO198-0915-1	L1678061-36	WO	N	2,2',4,5'-TETRACHLOROBIPHENYL	0.26	1.5 J	1.5 J		PG/L	TR
W2-WO198-0915-1	L1678061-36	WO	N	2,2',5,5'-TETRACHLOROBIPHENYL	0.35	3.7 J,B	3.7 J	+	PG/L	B1/TR
W2-WO198-0915-1	L1678061-36	WO	N	2,2',5-TRICHLOROBIPHENYL	0.62	2.1 J	2.1 J		PG/L	TR
W2-WO198-0915-1	L1678061-36	WO	N	2,3,3',4,4',5'-Hexachlorobiphenyl/2,3,3',4,4',5'-Hexachlorobiphenyl	0.21	0.35 J	0.35 J		PG/L	TR
W2-WO198-0915-1	L1678061-36	WO	N	2,3,3',4,4'-PENTACHLOROBIPHENYL	0.21	1.1 J,M	1.1 J		PG/L	TR/G4
W2-WO198-0915-1	L1678061-36	WO	N	2,3,3',4',6-PENTACHLOROBIPHENYL	0.25	3.5 J,M	3.5 J	+	PG/L	B1/TR/G4
W2-WO198-0915-1	L1678061-36	WO	N	2,3,4,4',5-PENTACHLOROBIPHENYL	0.22	2.4 J	2.4 J		PG/L	TR
W2-WO198-0915-1	L1678061-36	WO	N	2,3',4,4'-TETRACHLOROBIPHENYL	0.36	2.6 J	2.6 J		PG/L	TR
W2-WO198-0915-1	L1678061-36	WO	N	2,4,4'-TRICHLOROBIPHENYL	0.47	3.5 J	3.5 J		PG/L	TR
W2-WO198-0915-1	L1678061-36	WO	N	2,4',5-TRICHLOROBIPHENYL	0.47	2.3 J,M	2.3 J		PG/L	TR/G4
W2-WO198-0915-1	L1678061-36	WO	N	3,3',4,4'-TETRACHLOROBIPHENYL	0.37	0.40 J	0.40 J		PG/L	TR
W2-WO198-0915-1	L1678061-36	WO	N	3,4,4'-TRICHLOROBIPHENYL	0.53	0.59 J	0.59 J		PG/L	TR
W2-WO198-0915-1	L1678061-36	WO	N	PCB061/070/074/076	0.35	3.9 J	3.9 J	+	PG/L	B1/TR
W2-WO5-0915-1	L1678061-33	WO	N	2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	0.18	0.43 J	0.43 J		PG/L	TR
W2-WO5-0915-1	L1678061-33	WO	N	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	0.20	1.2 J	1.2 J		PG/L	TR
W2-WO5-0915-1	L1678061-33	WO	N	2,2',3,4',5',6-HEXACHLOROBIPHENYL	0.22	0.79 J	0.79 J		PG/L	TR
W2-WO5-0915-1	L1678061-33	WO	N	2,2',3,4,5'-PENTACHLOROBIPHENYL/2,3',4,4',6-Pentachlorobiphenyl	0.33	1.1 J,M	1.1 J		PG/L	TR/G4
W2-WO5-0915-1	L1678061-33	WO	N	2,2',3,5'-TETRACHLOROBIPHENYL	5.0	5.0 J,B	5.0 U		PG/L	B1

Automated Data Review Detail Report for L1678061

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1668C		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
W2-WO5-0915-1	L1678061-33	WO	N	2,2',4,4',5,5'- HEXACHLOROBIPHENYL/2,3',4 ,4',5',6- HEXACHLOROBIPHENYL	0.18	0.74 J,M	0.74 J		PG/L	TR/G4
W2-WO5-0915-1	L1678061-33	WO	N	2,2',4,4',5- PENTACHLOROBIPHENYL	0.39	0.56 J,M	0.56 J		PG/L	TR/G4
W2-WO5-0915-1	L1678061-33	WO	N	2,2',4,5,5'- PENTACHLOROBIPHENYL	0.36	1.4 J	1.4 J		PG/L	TR
W2-WO5-0915-1	L1678061-33	WO	N	2,2',4,5'- TETRACHLOROBIPHENYL	0.52	1.2 J	1.2 J		PG/L	TR
W2-WO5-0915-1	L1678061-33	WO	N	2,2',5,5'- TETRACHLOROBIPHENYL	0.68	3.2 J,B	3.2 J	+	PG/L	B1/TR
W2-WO5-0915-1	L1678061-33	WO	N	2,2',5-TRICHLOROBIPHENYL	0.55	2.6 J	2.6 J		PG/L	TR
W2-WO5-0915-1	L1678061-33	WO	N	2,3,3',4,4'- PENTACHLOROBIPHENYL	0.23	0.59 J	0.59 J		PG/L	TR
W2-WO5-0915-1	L1678061-33	WO	N	2,3,3',4',6- PENTACHLOROBIPHENYL	0.30	1.6 J	1.6 J	+	PG/L	B1/TR
W2-WO5-0915-1	L1678061-33	WO	N	2,3',4,4',5- PENTACHLOROBIPHENYL	0.23	1.4 J	1.4 J		PG/L	TR
W2-WO5-0915-1	L1678061-33	WO	N	2,3',4,4'- TETRACHLOROBIPHENYL	0.36	1.2 J,M	1.2 J		PG/L	TR/G4
W2-WO5-0915-1	L1678061-33	WO	N	2,4,4'-TRICHLOROBIPHENYL	0.52	2.8 J	2.8 J		PG/L	TR
W2-WO5-0915-1	L1678061-33	WO	N	2,4',5-TRICHLOROBIPHENYL	0.51	2.4 J	2.4 J		PG/L	TR
W2-WO5-0915-1	L1678061-33	WO	N	PCB061/070/074/076	0.35	2.1 J	2.1 J	+	PG/L	B1/TR
W3-WO195-0915-1	L1678061-9	WO	N	2,2',3,3',4,4',5,5',6,6'- Decachlorobiphenyl	0.18	21.9	21.9 J	+	PG/L	K1
W3-WO195-0915-1	L1678061-9	WO	N	2,2',3,3',4,4',5,5',6- NONACHLOROBIPHENYL	0.64	1.4 J	1.4 J		PG/L	TR
W3-WO195-0915-1	L1678061-9	WO	N	2,2',3,3',4,4',5,5'- OCTACHLOROBIPHENYL	0.27	0.41 J,M	0.41 J		PG/L	TR/G4
W3-WO195-0915-1	L1678061-9	WO	N	2,2',3,4,4',5,5',6- OCTACHLOROBIPHENYL	0.22	0.33 J,M	0.33 J		PG/L	TR/G4
W3-WO195-0915-1	L1678061-9	WO	N	2,2',3,4,4',5,5'- HEPTACHLOROBIPHENYL	0.64	4.3 J	4.3 J		PG/L	TR
W3-WO195-0915-1	L1678061-9	WO	N	2,2',3,4,4',5'- HEXACHLOROBIPHENYL	0.51	6.0 J	6.0 J	+	PG/L	K1/TR

Automated Data Review Detail Report for L1678061

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1668C		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
W3-WO195-0915-1	L1678061-9	WO	N	2,2',3,4',5,5',6-HEPTACHLOROBIPHENYL	0.69	0.87 J,M	0.87 J		PG/L	TR/G4
W3-WO195-0915-1	L1678061-9	WO	N	2,2',3,4',5',6-HEXACHLOROBIPHENYL	0.46	2.7 J	2.7 J	+	PG/L	K1/TR
W3-WO195-0915-1	L1678061-9	WO	N	2,2',3,5,5',6-HEXACHLOROBIPHENYL	0.34	1.4 J,M	1.4 J		PG/L	TR/G4
W3-WO195-0915-1	L1678061-9	WO	N	2,2',3,5'-TETRACHLOROBIPHENYL	0.68	6.8 J	6.8 J	+	PG/L	K1/TR
W3-WO195-0915-1	L1678061-9	WO	N	2,2',4,4',5,5'-HEXACHLOROBIPHENYL/2,3',4',4',5',6-HEXACHLOROBIPHENYL	0.37	3.0 J	3.0 J	+	PG/L	K1/TR
W3-WO195-0915-1	L1678061-9	WO	N	2,2',4,4',5-PENTACHLOROBIPHENYL	0.70	2.9 J,M	2.9 J		PG/L	TR/G4
W3-WO195-0915-1	L1678061-9	WO	N	2,2',4,5,5'-PENTACHLOROBIPHENYL	0.60	6.3 J	6.3 J	+	PG/L	K1/TR
W3-WO195-0915-1	L1678061-9	WO	N	2,2',4,5'-TETRACHLOROBIPHENYL	0.62	2.6 J,M	2.6 J	+	PG/L	K1/TR/G4
W3-WO195-0915-1	L1678061-9	WO	N	2,2',5,5'-TETRACHLOROBIPHENYL	0.84	6.0 J,M	6.0 J	+	PG/L	K1/TR/G4
W3-WO195-0915-1	L1678061-9	WO	N	2,2',5-TRICHLOROBIPHENYL	2.4	2.7 J	2.7 J		PG/L	TR
W3-WO195-0915-1	L1678061-9	WO	N	2,3,3',4,4',5,5'-HEPTACHLOROBIPHENYL	0.60	5.2 J	5.2 J		PG/L	TR
W3-WO195-0915-1	L1678061-9	WO	N	2,3,3',4,4',5'-Hexachlorobiphenyl/2,3,3',4,4',5'-Hexachlorobiphenyl	0.48	2.4 J,M	2.4 J		PG/L	TR/G4
W3-WO195-0915-1	L1678061-9	WO	N	2,3,3',4,4'-PENTACHLOROBIPHENYL	0.52	5.7 J	5.7 J		PG/L	TR
W3-WO195-0915-1	L1678061-9	WO	N	2,3,3',4',6-PENTACHLOROBIPHENYL	0.53	8.5 J	8.5 J	+	PG/L	K1/TR
W3-WO195-0915-1	L1678061-9	WO	N	2',3,4,4',5-PENTACHLOROBIPHENYL	0.60	1.3 J,M	1.3 J		PG/L	TR/G4
W3-WO195-0915-1	L1678061-9	WO	N	2,3',4,4',5-PENTACHLOROBIPHENYL	0.55	4.8 J,M	4.8 J	+	PG/L	K1/TR/G4
W3-WO195-0915-1	L1678061-9	WO	N	2,3',4,4'-TETRACHLOROBIPHENYL	0.62	5.7 J	5.7 J		PG/L	TR
W3-WO195-0915-1	L1678061-9	WO	N	2,4,4'-TRICHLOROBIPHENYL	2.7	4.5 J	4.5 J		PG/L	TR

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EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1668C		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
W3-WO195-0915-1	L1678061-9	WO	N	2,4',5'-TRICHLOROBIPHENYL	2.6	2.9 J	2.9 J		PG/L	TR
W3-WO195-0915-1	L1678061-9	WO	N	3,3',4,4',5,5'- HEXACHLOROBIPHENYL	0.39	2.4 J,M	2.4 J		PG/L	TR/G4
W3-WO195-0915-1	L1678061-9	WO	N	PCB061/070/074/076	0.60	8.7 J	8.7 J	+	PG/L	K1/TR
WQ-ER2-0915-1	L1678061-10	WQ	EB	2,2',3,3',4,4',5,5',6,6'- Decachlorobiphenyl	0.28	0.43 J,M	0.43 J		PG/L	TR/G4
WQ-ER2-0915-1	L1678061-10	WQ	EB	2,2',3,4,4',5'- HEXACHLOROBIPHENYL	0.37	0.89 J,M	0.89 J		PG/L	TR/G4
WQ-ER2-0915-1	L1678061-10	WQ	EB	2,2',3,4',5',6'- HEXACHLOROBIPHENYL	0.33	0.50 J	0.50 J		PG/L	TR
WQ-ER2-0915-1	L1678061-10	WQ	EB	2,2',3,5'- TETRACHLOROBIPHENYL	0.53	2.5 J	2.5 J		PG/L	TR
WQ-ER2-0915-1	L1678061-10	WQ	EB	2,2',4,4',5,5'- HEXACHLOROBIPHENYL/2,3',4 ,4',5',6'- HEXACHLOROBIPHENYL	0.26	0.61 J,M	0.61 J		PG/L	TR/G4
WQ-ER2-0915-1	L1678061-10	WQ	EB	2,2',4,5,5'- PENTACHLOROBIPHENYL	0.69	0.75 J,M	0.75 J		PG/L	TR/G4
WQ-ER2-0915-1	L1678061-10	WQ	EB	2,2',4,5'- TETRACHLOROBIPHENYL	0.48	0.78 J	0.78 J		PG/L	TR
WQ-ER2-0915-1	L1678061-10	WQ	EB	2,2',5,5'- TETRACHLOROBIPHENYL	0.66	1.8 J,M	1.8 J		PG/L	TR/G4
WQ-ER2-0915-1	L1678061-10	WQ	EB	2,3,3',4',6'- PENTACHLOROBIPHENYL	0.61	1.0 J,M	1.0 J		PG/L	TR/G4
WQ-ER2-0915-1	L1678061-10	WQ	EB	2,3',4,4',5'- PENTACHLOROBIPHENYL	0.45	1.1 J	1.1 J		PG/L	TR
WQ-ER2-0915-1	L1678061-10	WQ	EB	PCB061/070/074/076	0.57	1.7 J	1.7 J		PG/L	TR

Test Method: E1699		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
BA1B-WO145-0915-1	L1678061-49	WO	N	1,1-BIS(P- CHLOROPHENYL)ETHENE	0.0014	0.014 J	0.014 J	-	NG/L	H2/TR
BA1B-WO145-0915-1	L1678061-49	WO	N	1-CHLORO-2,2-BIS(P- CHLOROPHENYL)ETHYLENE	0.048	0.16	0.16 J	-	NG/L	H2

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EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1699		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
BA1B-WO145-0915-1	L1678061-49	WO	N	o,p'-DDD	0.017	0.017 U	0.017 UJ		NG/L	H2
BA1B-WO145-0915-1	L1678061-49	WO	N	o,p'-DDE	0.0053	0.039 J	0.039 J	-	NG/L	H2/TR
BA1B-WO145-0915-1	L1678061-49	WO	N	o,p'-DDT	0.055	0.055 U	0.055 UJ		NG/L	H2
BA1B-WO145-0915-1	L1678061-49	WO	N	p,p'-DDD	0.022	0.022 U	0.022 UJ		NG/L	H2
BA1B-WO145-0915-1	L1678061-49	WO	N	p,p'-DDE	0.011	0.24	0.24 J	-	NG/L	H2
BA1B-WO145-0915-1	L1678061-49	WO	N	p,p'-DDT	0.094	0.094 U	0.094 UJ		NG/L	H2
BA1B-WO5-0915-1	L1678061-47	WO	N	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0014	0.0014 U	0.0014 UJ		NG/L	H2
BA1B-WO5-0915-1	L1678061-47	WO	N	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.044	0.044 U	0.044 UJ		NG/L	H2
BA1B-WO5-0915-1	L1678061-47	WO	N	o,p'-DDD	0.011	0.011 U	0.011 UJ		NG/L	H2/C11
BA1B-WO5-0915-1	L1678061-47	WO	N	o,p'-DDE	0.0050	0.0050 U	0.0050 UJ		NG/L	H2
BA1B-WO5-0915-1	L1678061-47	WO	N	o,p'-DDT	0.047	0.047 U	0.047 UJ		NG/L	H2
BA1B-WO5-0915-1	L1678061-47	WO	N	p,p'-DDD	0.019	0.019 U	0.019 UJ		NG/L	H2
BA1B-WO5-0915-1	L1678061-47	WO	N	p,p'-DDE	0.010	0.028 J	0.028 J	-	NG/L	H2/TR
BA1B-WO5-0915-1	L1678061-47	WO	N	p,p'-DDT	0.11	0.11 U	0.11 UJ		NG/L	H2
BA1B-WO75-0915-1	L1678061-48	WO	N	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0011	0.019 J	0.019 J	-	NG/L	H2/TR
BA1B-WO75-0915-1	L1678061-48	WO	N	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.055	0.32	0.32 J	-	NG/L	H2
BA1B-WO75-0915-1	L1678061-48	WO	N	o,p'-DDD	0.013	0.013 U	0.013 UJ		NG/L	H2/C11
BA1B-WO75-0915-1	L1678061-48	WO	N	o,p'-DDE	0.0063	0.072 J	0.072 J	-	NG/L	H2/TR
BA1B-WO75-0915-1	L1678061-48	WO	N	o,p'-DDT	0.047	0.047 U	0.047 UJ		NG/L	H2
BA1B-WO75-0915-1	L1678061-48	WO	N	p,p'-DDD	0.019	0.037 J	0.037 J	-	NG/L	H2/TR
BA1B-WO75-0915-1	L1678061-48	WO	N	p,p'-DDE	0.0095	0.33	0.33 J	-	NG/L	H2
BA1B-WO75-0915-1	L1678061-48	WO	N	p,p'-DDT	0.088	0.088 U	0.088 UJ		NG/L	H2
BA1DC-WO5-0915-1	L1678061-43	WO	N	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0005	0.0021 J	0.0021 J		NG/L	B1/H2/TR/D5
BA1DC-WO5-0915-1	L1678061-43	WO	N	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.0043	0.0043 U	0.0043 UJ		NG/L	H2
BA1DC-WO5-0915-1	L1678061-43	WO	N	o,p'-DDD	0.0070	0.0070 U	0.0070 UJ		NG/L	H2

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EPA, Region 9

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Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1699		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
BA1DC-WO5-0915-1	L1678061-43	WO	N	o,p'-DDE	0.0012	0.0067 J	0.0067 J	-	NG/L	H2/TR
BA1DC-WO5-0915-1	L1678061-43	WO	N	o,p'-DDT	0.016	0.016 U	0.016 UJ		NG/L	H2
BA1DC-WO5-0915-1	L1678061-43	WO	N	p,p'-DDD	0.012	0.012 U	0.012 UJ		NG/L	H2
BA1DC-WO5-0915-1	L1678061-43	WO	N	p,p'-DDE	0.0062	0.027 B	0.027 J	+	NG/L	H2/B1
BA1DC-WO5-0915-1	L1678061-43	WO	N	p,p'-DDT	0.051	0.051 U	0.051 UJ		NG/L	H2
BA1DC-WO5-0915-2	L1678061-44	WO	FD	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0005	0.0005 U	0.0005 UJ		NG/L	H2/D5
BA1DC-WO5-0915-2	L1678061-44	WO	FD	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.0037	0.0037 U	0.0037 UJ		NG/L	H2
BA1DC-WO5-0915-2	L1678061-44	WO	FD	o,p'-DDD	0.0076	0.0076 U	0.0076 UJ		NG/L	H2
BA1DC-WO5-0915-2	L1678061-44	WO	FD	o,p'-DDE	0.0020	0.0061 J	0.0061 J	-	NG/L	H2/TR
BA1DC-WO5-0915-2	L1678061-44	WO	FD	o,p'-DDT	0.018	0.018 U	0.018 UJ		NG/L	H2
BA1DC-WO5-0915-2	L1678061-44	WO	FD	p,p'-DDD	0.013	0.013 U	0.013 UJ		NG/L	H2
BA1DC-WO5-0915-2	L1678061-44	WO	FD	p,p'-DDE	0.0084	0.026 B	0.026 J	+	NG/L	H2/B1
BA1DC-WO5-0915-2	L1678061-44	WO	FD	p,p'-DDT	0.070	0.070 U	0.070 UJ		NG/L	H2
BA2B-WO145-0915-1	L1678061-45	WO	N	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0005	0.010 J	0.010 J		NG/L	B1/H2/TR
BA2B-WO145-0915-1	L1678061-45	WO	N	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.030	0.14	0.14 J	-	NG/L	H2
BA2B-WO145-0915-1	L1678061-45	WO	N	o,p'-DDD	0.0071	0.0071 U	0.0071 UJ		NG/L	H2
BA2B-WO145-0915-1	L1678061-45	WO	N	o,p'-DDE	0.0035	0.020 J	0.020 J	-	NG/L	H2/TR
BA2B-WO145-0915-1	L1678061-45	WO	N	o,p'-DDT	0.023	0.023 U	0.023 UJ		NG/L	H2
BA2B-WO145-0915-1	L1678061-45	WO	N	p,p'-DDD	0.017	0.017 U	0.017 UJ		NG/L	H2
BA2B-WO145-0915-1	L1678061-45	WO	N	p,p'-DDE	0.0065	0.11 B	0.11 J	+	NG/L	H2/B1
BA2B-WO145-0915-1	L1678061-45	WO	N	p,p'-DDT	0.089	0.089 U	0.089 UJ		NG/L	H2
BA2C-WO5-0915-1	L1678061-46	WO	N	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0005	0.0005 U	0.0005 UJ		NG/L	H2
BA2C-WO5-0915-1	L1678061-46	WO	N	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.017	0.017 U	0.017 UJ		NG/L	H2
BA2C-WO5-0915-1	L1678061-46	WO	N	o,p'-DDD	0.0062	0.0062 U	0.0062 UJ		NG/L	H2
BA2C-WO5-0915-1	L1678061-46	WO	N	o,p'-DDE	0.0016	0.0052 J	0.0052 J	-	NG/L	H2/TR

Automated Data Review Detail Report for L1678061

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1699		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
BA2C-WO5-0915-1	L1678061-46	WO	N	o,p'-DDT	0.023	0.023 U	0.023 UJ		NG/L	H2
BA2C-WO5-0915-1	L1678061-46	WO	N	p,p'-DDD	0.017	0.017 U	0.017 UJ		NG/L	H2
BA2C-WO5-0915-1	L1678061-46	WO	N	p,p'-DDE	0.020	0.020 J,M	0.020 UJ		NG/L	B1/H2/G4
BA2C-WO5-0915-1	L1678061-46	WO	N	p,p'-DDT	0.093	0.093 U	0.093 UJ		NG/L	H2
BA3B-WO145-0915-1	L1678061-42	WO	N	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0006	0.024 J	0.024 J		NG/L	B1/H2/TR/X2
BA3B-WO145-0915-1	L1678061-42	WO	N	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.024	0.36	0.36 J	-	NG/L	H2/X2
BA3B-WO145-0915-1	L1678061-42	WO	N	o,p'-DDD	0.0053	0.012 J,M	0.012 J	-	NG/L	H2/TR/G4/X2
BA3B-WO145-0915-1	L1678061-42	WO	N	o,p'-DDE	0.0030	0.055	0.055 J	-	NG/L	H2/X2
BA3B-WO145-0915-1	L1678061-42	WO	N	o,p'-DDT	0.016	0.016 U	0.016 UJ		NG/L	H2/X2
BA3B-WO145-0915-1	L1678061-42	WO	N	p,p'-DDD	0.012	0.040 M	0.040 J	-	NG/L	H2/X2
BA3B-WO145-0915-1	L1678061-42	WO	N	p,p'-DDE	0.013	0.36	0.36 J	+	NG/L	H2/B1/X2
BA3B-WO145-0915-1	L1678061-42	WO	N	p,p'-DDT	0.070	0.070 U	0.070 UJ		NG/L	H2/X2
BA3B-WO5-0915-1	L1678061-40	WO	N	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0006	0.0023 J	0.0023 J		NG/L	B1/H2/TR/X2
BA3B-WO5-0915-1	L1678061-40	WO	N	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.025	0.025 U	0.025 UJ		NG/L	H2/X2
BA3B-WO5-0915-1	L1678061-40	WO	N	o,p'-DDD	0.0055	0.0055 U	0.0055 UJ		NG/L	H2/X2
BA3B-WO5-0915-1	L1678061-40	WO	N	o,p'-DDE	0.0027	0.011 J	0.011 J	-	NG/L	H2/TR/X2
BA3B-WO5-0915-1	L1678061-40	WO	N	o,p'-DDT	0.028	0.028 U	0.028 UJ		NG/L	H2/X2
BA3B-WO5-0915-1	L1678061-40	WO	N	p,p'-DDD	0.021	0.021 U	0.021 UJ		NG/L	H2/X2
BA3B-WO5-0915-1	L1678061-40	WO	N	p,p'-DDE	0.0071	0.062 B	0.062 J	+	NG/L	H2/B1/X2
BA3B-WO5-0915-1	L1678061-40	WO	N	p,p'-DDT	0.13	0.13 U	0.13 UJ		NG/L	H2/X2
BA3B-WO80-0915-1	L1678061-41	WO	N	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0006	0.0064 J	0.0064 J		NG/L	B1/H2/TR/X2
BA3B-WO80-0915-1	L1678061-41	WO	N	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.024	0.080	0.080 J	-	NG/L	H2/X2
BA3B-WO80-0915-1	L1678061-41	WO	N	o,p'-DDD	0.0058	0.0058 U	0.0058 UJ		NG/L	H2/X2
BA3B-WO80-0915-1	L1678061-41	WO	N	o,p'-DDE	0.0022	0.018 J	0.018 J	-	NG/L	H2/TR/X2
BA3B-WO80-0915-1	L1678061-41	WO	N	o,p'-DDT	0.019	0.019 U	0.019 UJ		NG/L	H2/X2

Automated Data Review Detail Report for L1678061

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1699		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
BA3B-WO80-0915-1	L1678061-41	WO	N	p,p'-DDD	0.014	0.014 U	0.014 UJ		NG/L	H2/X2
BA3B-WO80-0915-1	L1678061-41	WO	N	p,p'-DDE	0.0061	0.096 B	0.096 J	+	NG/L	H2/B1/X2
BA3B-WO80-0915-1	L1678061-41	WO	N	p,p'-DDT	0.068	0.068 U	0.068 UJ		NG/L	H2/X2
BA4DC-WO20-0915-1	L1678061-38	WO	N	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0006	0.0079 J	0.0079 J		NG/L	B1/H2/TR
BA4DC-WO20-0915-1	L1678061-38	WO	N	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.030	0.088 M	0.088 J	-	NG/L	H2
BA4DC-WO20-0915-1	L1678061-38	WO	N	o,p'-DDD	0.0055	0.012 J,M	0.012 J	-	NG/L	H2/TR/G4
BA4DC-WO20-0915-1	L1678061-38	WO	N	o,p'-DDE	0.0037	0.031	0.031 J	-	NG/L	H2
BA4DC-WO20-0915-1	L1678061-38	WO	N	o,p'-DDT	0.024	0.024 U	0.024 UJ		NG/L	H2
BA4DC-WO20-0915-1	L1678061-38	WO	N	p,p'-DDD	0.018	0.020 J	0.020 J	-	NG/L	H2/TR
BA4DC-WO20-0915-1	L1678061-38	WO	N	p,p'-DDE	0.0069	0.14 B	0.14 J	+	NG/L	H2/B1
BA4DC-WO20-0915-1	L1678061-38	WO	N	p,p'-DDT	0.093	0.093 U	0.093 UJ		NG/L	H2
BA4DC-WO35-0915-1	L1678061-39	WO	N	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0007	0.038	0.038 J		NG/L	B1/H2/X2
BA4DC-WO35-0915-1	L1678061-39	WO	N	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.024	0.55	0.55 J	-	NG/L	H2/X2
BA4DC-WO35-0915-1	L1678061-39	WO	N	o,p'-DDD	0.0065	0.026 M	0.026 J	-	NG/L	H2/G4/TR/X2
BA4DC-WO35-0915-1	L1678061-39	WO	N	o,p'-DDE	0.0028	0.14	0.14 J	-	NG/L	H2/X2
BA4DC-WO35-0915-1	L1678061-39	WO	N	o,p'-DDT	0.023	0.023 U	0.023 UJ		NG/L	H2/X2
BA4DC-WO35-0915-1	L1678061-39	WO	N	p,p'-DDD	0.018	0.091 M	0.091 J	-	NG/L	H2/X2
BA4DC-WO35-0915-1	L1678061-39	WO	N	p,p'-DDE	0.0085	0.66	0.66 J	+	NG/L	H2/B1/X2
BA4DC-WO35-0915-1	L1678061-39	WO	N	p,p'-DDT	0.072	0.072 U	0.072 UJ		NG/L	H2/X2
BA4DC-WO5-0915-1	L1678061-37	WO	N	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0006	0.0037 J	0.0037 J		NG/L	B1/H2/TR
BA4DC-WO5-0915-1	L1678061-37	WO	N	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.027	0.030 M	0.030 J	-	NG/L	H2/G4/TR
BA4DC-WO5-0915-1	L1678061-37	WO	N	o,p'-DDD	0.0094	0.0094 U	0.0094 UJ		NG/L	H2
BA4DC-WO5-0915-1	L1678061-37	WO	N	o,p'-DDE	0.0031	0.012 J	0.012 J	-	NG/L	H2/TR
BA4DC-WO5-0915-1	L1678061-37	WO	N	o,p'-DDT	0.022	0.022 U	0.022 UJ		NG/L	H2
BA4DC-WO5-0915-1	L1678061-37	WO	N	p,p'-DDD	0.016	0.016 M,U	0.016 UJ		NG/L	H2

Automated Data Review Detail Report for L1678061

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1699		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
BA4DC-WO5-0915-1	L1678061-37	WO	N	p,p'-DDE	0.0090	0.072 B	0.072 J	+	NG/L	H2/B1
BA4DC-WO5-0915-1	L1678061-37	WO	N	p,p'-DDT	0.082	0.082 U	0.082 UJ		NG/L	H2
BA5B-WO145-0915-1	L1678061-3	WO	N	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0005	0.039	0.039 J	-	NG/L	H2/X2
BA5B-WO145-0915-1	L1678061-3	WO	N	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.020	0.47	0.47 J	-	NG/L	H2/X2
BA5B-WO145-0915-1	L1678061-3	WO	N	o,p'-DDD	0.0037	0.019 J,M	0.019 J		NG/L	B1/H2/TR/G4/X2
BA5B-WO145-0915-1	L1678061-3	WO	N	o,p'-DDE	0.0022	0.078	0.078 J		NG/L	H2/B1/X2
BA5B-WO145-0915-1	L1678061-3	WO	N	o,p'-DDT	0.014	0.014 M,U	0.014 UJ		NG/L	H2/C11/X2
BA5B-WO145-0915-1	L1678061-3	WO	N	p,p'-DDD	0.0065	0.052 M	0.052 J	-	NG/L	H2/X2
BA5B-WO145-0915-1	L1678061-3	WO	N	p,p'-DDE	0.0064	0.45	0.45 J	+	NG/L	H2/B1/X2
BA5B-WO145-0915-1	L1678061-3	WO	N	p,p'-DDT	0.040	0.040 U	0.040 UJ		NG/L	H2/X2
BA5B-WO5-0915-1	L1678061-1	WO	N	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0034	0.0034 U	0.0034 UJ		NG/L	H2
BA5B-WO5-0915-1	L1678061-1	WO	N	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.13	0.13 U	0.13 UJ		NG/L	H2
BA5B-WO5-0915-1	L1678061-1	WO	N	o,p'-DDD	0.0029	0.0029 J,M	0.0029 UJ		NG/L	B1/H2/C11/G4
BA5B-WO5-0915-1	L1678061-1	WO	N	o,p'-DDE	0.012	0.012 M,U	0.012 UJ		NG/L	H2/B1
BA5B-WO5-0915-1	L1678061-1	WO	N	o,p'-DDT	0.017	0.017 U	0.017 UJ		NG/L	H2/C11
BA5B-WO5-0915-1	L1678061-1	WO	N	p,p'-DDD	0.0077	0.0077 U	0.0077 UJ		NG/L	H2
BA5B-WO5-0915-1	L1678061-1	WO	N	p,p'-DDE	0.0033	0.032 B	0.032 J	+	NG/L	H2/B1
BA5B-WO5-0915-1	L1678061-1	WO	N	p,p'-DDT	0.029	0.029 U	0.029 UJ		NG/L	H2
BA5B-WO75-0915-1	L1678061-2	WO	N	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0030	0.021 J	0.021 J	-	NG/L	H2/TR/X2
BA5B-WO75-0915-1	L1678061-2	WO	N	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.030	0.19	0.19 J	-	NG/L	H2/X2
BA5B-WO75-0915-1	L1678061-2	WO	N	o,p'-DDD	0.0030	0.012 J,M	0.012 J		NG/L	B1/H2/TR/G4/X2
BA5B-WO75-0915-1	L1678061-2	WO	N	o,p'-DDE	0.0038	0.050 M	0.050 J		NG/L	H2/B1/X2
BA5B-WO75-0915-1	L1678061-2	WO	N	o,p'-DDT	0.017	0.017 U	0.017 UJ		NG/L	H2/C11/X2
BA5B-WO75-0915-1	L1678061-2	WO	N	p,p'-DDD	0.0081	0.022 J,M	0.022 J	-	NG/L	H2/TR/G4/X2

Automated Data Review Detail Report for L1678061

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1699	Extraction Method: METHOD	Leach Method: NONE								
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
BA5B-WO75-0915-1	L1678061-2	WO	N	p,p'-DDE	0.0053	0.27	0.27 J	+	NG/L	H2/B1/X2
BA5B-WO75-0915-1	L1678061-2	WO	N	p,p'-DDT	0.035	0.035 U	0.035 UJ		NG/L	H2/X2
BA5C-WO30-0915-1	L1678061-5	WO	N	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0004	0.0053 J	0.0053 J	-	NG/L	H2/TR
BA5C-WO30-0915-1	L1678061-5	WO	N	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.014	0.014 U	0.014 UJ		NG/L	H2
BA5C-WO30-0915-1	L1678061-5	WO	N	o,p'-DDD	0.0059	0.0059 J,M	0.0059 UJ		NG/L	B1/H2/G4
BA5C-WO30-0915-1	L1678061-5	WO	N	o,p'-DDE	0.0018	0.019 J	0.019 J		NG/L	H2/TR/B1
BA5C-WO30-0915-1	L1678061-5	WO	N	o,p'-DDT	0.025	0.025 U	0.025 UJ		NG/L	H2/C11
BA5C-WO30-0915-1	L1678061-5	WO	N	p,p'-DDD	0.012	0.014 J,M	0.014 J	-	NG/L	H2/TR/G4
BA5C-WO30-0915-1	L1678061-5	WO	N	p,p'-DDE	0.0057	0.095 B	0.095 J	+	NG/L	H2/B1
BA5C-WO30-0915-1	L1678061-5	WO	N	p,p'-DDT	0.028	0.028 U	0.028 UJ		NG/L	H2
BA5C-WO5-0915-1	L1678061-4	WO	N	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0004	0.0011 J	0.0011 J	-	NG/L	H2/TR
BA5C-WO5-0915-1	L1678061-4	WO	N	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.014	0.014 U	0.014 UJ		NG/L	H2
BA5C-WO5-0915-1	L1678061-4	WO	N	o,p'-DDD	0.0029	0.010 J,M	0.010 J		NG/L	B1/H2/TR/G4
BA5C-WO5-0915-1	L1678061-4	WO	N	o,p'-DDE	0.0016	0.0058 J	0.0016 UJ		NG/L	H2/TR/B1
BA5C-WO5-0915-1	L1678061-4	WO	N	o,p'-DDT	0.016	0.016 U	0.016 UJ		NG/L	H2/C11
BA5C-WO5-0915-1	L1678061-4	WO	N	p,p'-DDD	0.0074	0.0074 U	0.0074 UJ		NG/L	H2
BA5C-WO5-0915-1	L1678061-4	WO	N	p,p'-DDE	0.0048	0.023 B	0.023 J	+	NG/L	H2/B1
BA5C-WO5-0915-1	L1678061-4	WO	N	p,p'-DDT	0.041	0.041 U	0.041 UJ		NG/L	H2
BA5C-WO55-0915-1	L1678061-6	WO	N	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0007	0.023	0.023 J	-	NG/L	H2/X2
BA5C-WO55-0915-1	L1678061-6	WO	N	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.017	0.31	0.31 J	-	NG/L	H2/X2
BA5C-WO55-0915-1	L1678061-6	WO	N	o,p'-DDD	0.0034	0.015 J,M	0.015 J		NG/L	B1/H2/TR/G4/X2
BA5C-WO55-0915-1	L1678061-6	WO	N	o,p'-DDE	0.0020	0.084	0.084 J		NG/L	H2/B1/X2
BA5C-WO55-0915-1	L1678061-6	WO	N	o,p'-DDT	0.014	0.014 M,U	0.014 UJ		NG/L	H2/C11/X2
BA5C-WO55-0915-1	L1678061-6	WO	N	p,p'-DDD	0.0067	0.048 M	0.048 J	-	NG/L	H2/X2
BA5C-WO55-0915-1	L1678061-6	WO	N	p,p'-DDE	0.0046	0.41	0.41 J	+	NG/L	H2/B1/X2

Automated Data Review Detail Report for L1678061

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1699		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
BA5C-WO55-0915-1	L1678061-6	WO	N	p,p'-DDT	0.030	0.030 U	0.030 UJ		NG/L	H2/X2
BA5C-WO58-0915-1	L1678061-7	WO	N	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0034	0.046 J	0.046 J	-	NG/L	H2/TR/X2
BA5C-WO58-0915-1	L1678061-7	WO	N	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.024	0.54	0.54 J	-	NG/L	H2/X2
BA5C-WO58-0915-1	L1678061-7	WO	N	o,p'-DDD	0.0033	0.024 M	0.024 J		NG/L	B1/H2/G4/X2
BA5C-WO58-0915-1	L1678061-7	WO	N	o,p'-DDE	0.0026	0.15	0.15 J		NG/L	H2/B1/X2
BA5C-WO58-0915-1	L1678061-7	WO	N	o,p'-DDT	0.014	0.014 U	0.014 UJ		NG/L	H2/C11/X2
BA5C-WO58-0915-1	L1678061-7	WO	N	p,p'-DDD	0.0066	0.082 M	0.082 J	-	NG/L	H2/X2
BA5C-WO58-0915-1	L1678061-7	WO	N	p,p'-DDE	0.0050	0.75	0.75 J	+	NG/L	H2/B1/X2
BA5C-WO58-0915-1	L1678061-7	WO	N	p,p'-DDT	0.024	0.024 U	0.024 UJ		NG/L	H2/X2
BA5C-WO58-0915-2	L1678061-8	WO	FD	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0004	0.040	0.040 J	-	NG/L	H2/X2
BA5C-WO58-0915-2	L1678061-8	WO	FD	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.018	0.65	0.65 J	-	NG/L	H2/X2
BA5C-WO58-0915-2	L1678061-8	WO	FD	o,p'-DDD	0.0027	0.028 M	0.028 J		NG/L	B1/H2/G4/X2
BA5C-WO58-0915-2	L1678061-8	WO	FD	o,p'-DDE	0.0020	0.18	0.18 J		NG/L	H2/B1/X2
BA5C-WO58-0915-2	L1678061-8	WO	FD	o,p'-DDT	0.010	0.010 U	0.010 UJ		NG/L	H2/C11/X2
BA5C-WO58-0915-2	L1678061-8	WO	FD	p,p'-DDD	0.0047	0.091 M	0.091 J	-	NG/L	H2/X2
BA5C-WO58-0915-2	L1678061-8	WO	FD	p,p'-DDE	0.0038	0.90	0.90 J	+	NG/L	H2/B1/X2
BA5C-WO58-0915-2	L1678061-8	WO	FD	p,p'-DDT	0.031	0.031 U	0.031 UJ		NG/L	H2/X2
BA5DC-WO20-0915-1	L1678061-12	WO	N	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0004	0.0004 U	0.0004 UJ		NG/L	H2
BA5DC-WO20-0915-1	L1678061-12	WO	N	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.010	0.010 U	0.010 UJ		NG/L	H2
BA5DC-WO20-0915-1	L1678061-12	WO	N	o,p'-DDD	0.0020	0.0020 U	0.0020 UJ		NG/L	H2
BA5DC-WO20-0915-1	L1678061-12	WO	N	o,p'-DDE	0.0016	0.0016 U	0.0016 UJ		NG/L	H2/B1
BA5DC-WO20-0915-1	L1678061-12	WO	N	o,p'-DDT	0.016	0.016 U	0.016 UJ		NG/L	H2/C11
BA5DC-WO20-0915-1	L1678061-12	WO	N	p,p'-DDD	0.0075	0.0075 U	0.0075 UJ		NG/L	H2
BA5DC-WO20-0915-1	L1678061-12	WO	N	p,p'-DDE	0.0034	0.014 J,B	0.014 J	+	NG/L	H2/B1/TR
BA5DC-WO20-0915-1	L1678061-12	WO	N	p,p'-DDT	0.034	0.034 U	0.034 UJ		NG/L	H2

Automated Data Review Detail Report for L1678061

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1699		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
BA5DC-WO35-0915-1	L1678061-13	WO	N	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0004	0.016 J	0.016 J	-	NG/L	H2/TR/X2
BA5DC-WO35-0915-1	L1678061-13	WO	N	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.013	0.20	0.20 J	-	NG/L	H2/X2
BA5DC-WO35-0915-1	L1678061-13	WO	N	o,p'-DDD	0.0021	0.011 J,M	0.011 J		NG/L	B1/H2/TR/G4/X2
BA5DC-WO35-0915-1	L1678061-13	WO	N	o,p'-DDE	0.0020	0.059	0.059 J		NG/L	H2/B1/X2
BA5DC-WO35-0915-1	L1678061-13	WO	N	o,p'-DDT	0.011	0.011 U	0.011 UJ		NG/L	H2/C11/X2
BA5DC-WO35-0915-1	L1678061-13	WO	N	p,p'-DDD	0.0051	0.039 M	0.039 J	-	NG/L	H2/X2
BA5DC-WO35-0915-1	L1678061-13	WO	N	p,p'-DDE	0.0044	0.30	0.30 J	+	NG/L	H2/B1/X2
BA5DC-WO35-0915-1	L1678061-13	WO	N	p,p'-DDT	0.013	0.013 J,M	0.0000 J	-	NG/L	H2/TR/G4/X2
BA5DC-WO38-0915-1	L1678061-14	WO	N	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0035	0.062 J	0.062 J	-	NG/L	H2/TR
BA5DC-WO38-0915-1	L1678061-14	WO	N	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.016	0.65	0.65 J	-	NG/L	H2
BA5DC-WO38-0915-1	L1678061-14	WO	N	o,p'-DDD	0.0029	0.023 M	0.023 J		NG/L	B1/H2/G4
BA5DC-WO38-0915-1	L1678061-14	WO	N	o,p'-DDE	0.0024	0.16	0.16 J		NG/L	H2/B1
BA5DC-WO38-0915-1	L1678061-14	WO	N	o,p'-DDT	0.010	0.015 J	0.015 J	-	NG/L	H2/TR/C11/D5
BA5DC-WO38-0915-1	L1678061-14	WO	N	p,p'-DDD	0.0048	0.084 M	0.084 J	-	NG/L	H2
BA5DC-WO38-0915-1	L1678061-14	WO	N	p,p'-DDE	0.0064	0.80	0.80 J	+	NG/L	H2/B1
BA5DC-WO38-0915-1	L1678061-14	WO	N	p,p'-DDT	0.012	0.019 J,M	0.019 J	-	NG/L	H2/TR/G4/D5
BA5DC-WO38-0915-2	L1678061-15	WO	FD	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0004	0.046	0.046 J	-	NG/L	H2/X2
BA5DC-WO38-0915-2	L1678061-15	WO	FD	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.013	0.63	0.63 J	-	NG/L	H2/X2
BA5DC-WO38-0915-2	L1678061-15	WO	FD	o,p'-DDD	0.0025	0.029 M	0.029 J		NG/L	B1/H2/X2
BA5DC-WO38-0915-2	L1678061-15	WO	FD	o,p'-DDE	0.0034	0.15	0.15 J		NG/L	H2/B1/X2
BA5DC-WO38-0915-2	L1678061-15	WO	FD	o,p'-DDT	0.017	0.017 M,U	0.017 UJ		NG/L	H2/C11/X2/D5
BA5DC-WO38-0915-2	L1678061-15	WO	FD	p,p'-DDD	0.0077	0.086 M	0.086 J	-	NG/L	H2/X2
BA5DC-WO38-0915-2	L1678061-15	WO	FD	p,p'-DDE	0.0054	0.71	0.71 J	+	NG/L	H2/B1/X2
BA5DC-WO38-0915-2	L1678061-15	WO	FD	p,p'-DDT	0.067	0.067 U	0.067 UJ		NG/L	H2/X2/D5

Automated Data Review Detail Report for L1678061

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1699		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
BA5DC-WO5-0915-1	L1678061-11	WO	N	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0004	0.0004 U	0.0004 UJ		NG/L	H2
BA5DC-WO5-0915-1	L1678061-11	WO	N	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.014	0.014 U	0.014 UJ		NG/L	H2
BA5DC-WO5-0915-1	L1678061-11	WO	N	o,p'-DDD	0.0029	0.0029 U	0.0029 UJ		NG/L	H2
BA5DC-WO5-0915-1	L1678061-11	WO	N	o,p'-DDE	0.0009	0.0045 J	0.0009 UJ		NG/L	H2/TR/B1
BA5DC-WO5-0915-1	L1678061-11	WO	N	o,p'-DDT	0.023	0.023 U	0.023 UJ		NG/L	H2/C11
BA5DC-WO5-0915-1	L1678061-11	WO	N	p,p'-DDD	0.011	0.011 U	0.011 UJ		NG/L	H2
BA5DC-WO5-0915-1	L1678061-11	WO	N	p,p'-DDE	0.0055	0.022 J,B	0.022 J	+	NG/L	H2/B1/TR
BA5DC-WO5-0915-1	L1678061-11	WO	N	p,p'-DDT	0.049	0.049 U	0.049 UJ		NG/L	H2
BA6BC-WO50-0915-1	L1678061-20	WO	N	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0004	0.011 J	0.011 J	-	NG/L	H2/TR
BA6BC-WO50-0915-1	L1678061-20	WO	N	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.0098	0.15	0.15 J	-	NG/L	H2
BA6BC-WO50-0915-1	L1678061-20	WO	N	o,p'-DDD	0.0016	0.0066 J,M	0.0066 J		NG/L	H2/L/TR/G4
BA6BC-WO50-0915-1	L1678061-20	WO	N	o,p'-DDE	0.0007	0.034	0.034 J	-	NG/L	H2
BA6BC-WO50-0915-1	L1678061-20	WO	N	o,p'-DDT	0.0039	0.0039 U	0.0039 UJ		NG/L	H2
BA6BC-WO50-0915-1	L1678061-20	WO	N	p,p'-DDD	0.0022	0.020 J	0.020 J	-	NG/L	H2/TR
BA6BC-WO50-0915-1	L1678061-20	WO	N	p,p'-DDE	0.0015	0.18	0.18 J	+	NG/L	H2/B1
BA6BC-WO50-0915-1	L1678061-20	WO	N	p,p'-DDT	0.0036	0.0040 J	0.0040 J	-	NG/L	H2/TR
BA6BC-WO5-0915-1	L1678061-19	WO	N	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0009	0.0009 U	0.0009 UJ		NG/L	H2/X2
BA6BC-WO5-0915-1	L1678061-19	WO	N	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.0053	0.016 J	0.016 J	-	NG/L	H2/TR/X2
BA6BC-WO5-0915-1	L1678061-19	WO	N	o,p'-DDD	0.0029	0.0076 J,M	0.0076 J		NG/L	H2/L/TR/G4/X2
BA6BC-WO5-0915-1	L1678061-19	WO	N	o,p'-DDE	0.0009	0.0043 J,M	0.0043 J	-	NG/L	H2/TR/G4/X2
BA6BC-WO5-0915-1	L1678061-19	WO	N	o,p'-DDT	0.0065	0.0065 U	0.0065 UJ		NG/L	H2/X2
BA6BC-WO5-0915-1	L1678061-19	WO	N	p,p'-DDD	0.0036	0.0060 J	0.0060 J	-	NG/L	H2/TR/X2
BA6BC-WO5-0915-1	L1678061-19	WO	N	p,p'-DDE	0.0020	0.025 B	0.025 J	+	NG/L	H2/B1/X2
BA6BC-WO5-0915-1	L1678061-19	WO	N	p,p'-DDT	0.0057	0.0057 U	0.0057 UJ		NG/L	H2/X2

Automated Data Review Detail Report for L1678061

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1699		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
BA6BC-WO95-0915-1	L1678061-21	WO	N	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0008	0.022 J	0.022 J	-	NG/L	H2/TR
BA6BC-WO95-0915-1	L1678061-21	WO	N	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.0064	0.17	0.17 J	-	NG/L	H2
BA6BC-WO95-0915-1	L1678061-21	WO	N	o,p'-DDD	0.0033	0.055	0.055 J		NG/L	H2/L
BA6BC-WO95-0915-1	L1678061-21	WO	N	o,p'-DDE	0.0010	0.038	0.038 J	-	NG/L	H2
BA6BC-WO95-0915-1	L1678061-21	WO	N	o,p'-DDT	0.0079	0.0079 U	0.0079 UJ		NG/L	H2
BA6BC-WO95-0915-1	L1678061-21	WO	N	p,p'-DDD	0.0044	0.12	0.12 J	-	NG/L	H2
BA6BC-WO95-0915-1	L1678061-21	WO	N	p,p'-DDE	0.0022	0.25	0.25 J	+	NG/L	H2/B1
BA6BC-WO95-0915-1	L1678061-21	WO	N	p,p'-DDT	0.0071	0.0098 J	0.0098 J	-	NG/L	H2/TR
BA6B-WO145-0915-1	L1678061-18	WO	N	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0005	0.013 J	0.013 J	-	NG/L	H2/TR
BA6B-WO145-0915-1	L1678061-18	WO	N	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.011	0.22	0.22 J	-	NG/L	H2
BA6B-WO145-0915-1	L1678061-18	WO	N	o,p'-DDD	0.0023	0.0023 U	0.0023 UJ		NG/L	H2
BA6B-WO145-0915-1	L1678061-18	WO	N	o,p'-DDE	0.0009	0.029	0.029 J	-	NG/L	H2
BA6B-WO145-0915-1	L1678061-18	WO	N	o,p'-DDT	0.0053	0.0053 U	0.0053 UJ		NG/L	H2
BA6B-WO145-0915-1	L1678061-18	WO	N	p,p'-DDD	0.0030	0.022 J	0.022 J	-	NG/L	H2/TR
BA6B-WO145-0915-1	L1678061-18	WO	N	p,p'-DDE	0.0020	0.14	0.14 J	+	NG/L	H2/B1
BA6B-WO145-0915-1	L1678061-18	WO	N	p,p'-DDT	0.0049	0.0058 J	0.0058 J	-	NG/L	H2/TR
BA6B-WO5-0915-1	L1678061-16	WO	N	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0001	0.0004 J	0.0004 J	-	NG/L	H2/TR/X2
BA6B-WO5-0915-1	L1678061-16	WO	N	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.0033	0.011 J	0.011 J	-	NG/L	H2/TR/X2
BA6B-WO5-0915-1	L1678061-16	WO	N	o,p'-DDD	0.0013	0.0013 U	0.0013 UJ		NG/L	H2/C11/X2
BA6B-WO5-0915-1	L1678061-16	WO	N	o,p'-DDE	0.0005	0.0055 J	0.0055 J	-	NG/L	H2/TR/X2
BA6B-WO5-0915-1	L1678061-16	WO	N	o,p'-DDT	0.0028	0.0028 U	0.0028 UJ		NG/L	H2/X2
BA6B-WO5-0915-1	L1678061-16	WO	N	p,p'-DDD	0.0016	0.0053 J	0.0053 J	-	NG/L	H2/TR/X2
BA6B-WO5-0915-1	L1678061-16	WO	N	p,p'-DDE	0.0010	0.023 J,B	0.023 J	+	NG/L	B1/H2/TR/X2
BA6B-WO5-0915-1	L1678061-16	WO	N	p,p'-DDT	0.0025	0.0027 J,M	0.0027 J	-	NG/L	H2/TR/G4/X2
BA6B-WO75-0915-1	L1678061-17	WO	N	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0009	0.0009 U	0.0009 UJ		NG/L	H2

Automated Data Review Detail Report for L1678061

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1699		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
BA6B-WO75-0915-1	L1678061-17	WO	N	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.0059	0.054 M	0.054 J	-	NG/L	H2
BA6B-WO75-0915-1	L1678061-17	WO	N	o,p'-DDD	0.0019	0.0019 U	0.0019 UJ		NG/L	H2
BA6B-WO75-0915-1	L1678061-17	WO	N	o,p'-DDE	0.0007	0.012 J	0.012 J	-	NG/L	H2/TR
BA6B-WO75-0915-1	L1678061-17	WO	N	o,p'-DDT	0.0048	0.0048 U	0.0048 UJ		NG/L	H2
BA6B-WO75-0915-1	L1678061-17	WO	N	p,p'-DDD	0.0027	0.0027 U	0.0027 UJ		NG/L	H2
BA6B-WO75-0915-1	L1678061-17	WO	N	p,p'-DDE	0.0015	0.070 B	0.070 J	+	NG/L	H2/B1
BA6B-WO75-0915-1	L1678061-17	WO	N	p,p'-DDT	0.0043	0.0047 J	0.0047 J	-	NG/L	H2/TR
BA6C-WO30-0915-1	L1678061-23	WO	N	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0004	0.013 J	0.013 J	-	NG/L	H2/TR
BA6C-WO30-0915-1	L1678061-23	WO	N	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.0073	0.24	0.24 J	-	NG/L	H2
BA6C-WO30-0915-1	L1678061-23	WO	N	o,p'-DDD	0.0020	0.0020 U	0.0020 UJ		NG/L	H2
BA6C-WO30-0915-1	L1678061-23	WO	N	o,p'-DDE	0.0009	0.053	0.053 J	-	NG/L	H2
BA6C-WO30-0915-1	L1678061-23	WO	N	o,p'-DDT	0.0047	0.0047 U	0.0047 UJ		NG/L	H2
BA6C-WO30-0915-1	L1678061-23	WO	N	p,p'-DDD	0.0026	0.049	0.049 J	-	NG/L	H2
BA6C-WO30-0915-1	L1678061-23	WO	N	p,p'-DDE	0.0019	0.27	0.27 J	+	NG/L	H2/B1
BA6C-WO30-0915-1	L1678061-23	WO	N	p,p'-DDT	0.0041	0.011 J,M	0.011 J	-	NG/L	H2/TR/G4
BA6C-WO5-0915-1	L1678061-22	WO	N	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0003	0.0018 J	0.0018 J	-	NG/L	H2/TR
BA6C-WO5-0915-1	L1678061-22	WO	N	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.0041	0.025 M	0.025 J	-	NG/L	H2
BA6C-WO5-0915-1	L1678061-22	WO	N	o,p'-DDD	0.0019	0.0019 U	0.0019 UJ		NG/L	H2
BA6C-WO5-0915-1	L1678061-22	WO	N	o,p'-DDE	0.0005	0.0054 J	0.0054 J	-	NG/L	H2/TR
BA6C-WO5-0915-1	L1678061-22	WO	N	o,p'-DDT	0.0042	0.0042 U	0.0042 UJ		NG/L	H2
BA6C-WO5-0915-1	L1678061-22	WO	N	p,p'-DDD	0.0024	0.0092 J	0.0092 J	-	NG/L	H2/TR
BA6C-WO5-0915-1	L1678061-22	WO	N	p,p'-DDE	0.0011	0.030 B	0.030 J	+	NG/L	H2/B1
BA6C-WO5-0915-1	L1678061-22	WO	N	p,p'-DDT	0.0036	0.0036 M,U	0.0036 UJ		NG/L	H2
BA6DC-WO35-0915-1	L1678061-26	WO	N	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0006	0.035	0.035 J		NG/L	B1/H2/X2
BA6DC-WO35-0915-1	L1678061-26	WO	N	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.026	0.66	0.66 J	-	NG/L	H2/X2

Automated Data Review Detail Report for L1678061

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1699		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
BA6DC-WO35-0915-1	L1678061-26	WO	N	o,p'-DDD	0.0059	0.032 M	0.032 J	-	NG/L	H2/G4/TR/X2
BA6DC-WO35-0915-1	L1678061-26	WO	N	o,p'-DDE	0.0029	0.16	0.16 J	-	NG/L	H2/X2
BA6DC-WO35-0915-1	L1678061-26	WO	N	o,p'-DDT	0.020	0.020 U	0.020 UJ		NG/L	H2/X2
BA6DC-WO35-0915-1	L1678061-26	WO	N	p,p'-DDD	0.015	0.097 M	0.097 J	-	NG/L	H2/X2
BA6DC-WO35-0915-1	L1678061-26	WO	N	p,p'-DDE	0.0066	0.74	0.74 J	+	NG/L	H2/B1/X2
BA6DC-WO35-0915-1	L1678061-26	WO	N	p,p'-DDT	0.067	0.067 U	0.067 UJ		NG/L	H2/X2
BA6DC-WO5-0915-1	L1678061-24	WO	N	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0008	0.0008 U	0.0008 UJ		NG/L	H2
BA6DC-WO5-0915-1	L1678061-24	WO	N	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.0081	0.024	0.024 J	-	NG/L	H2
BA6DC-WO5-0915-1	L1678061-24	WO	N	o,p'-DDD	0.0027	0.0027 U	0.0027 UJ		NG/L	H2
BA6DC-WO5-0915-1	L1678061-24	WO	N	o,p'-DDE	0.0005	0.0049 J	0.0049 J	-	NG/L	H2/TR
BA6DC-WO5-0915-1	L1678061-24	WO	N	o,p'-DDT	0.0057	0.0057 U	0.0057 UJ		NG/L	H2
BA6DC-WO5-0915-1	L1678061-24	WO	N	p,p'-DDD	0.0032	0.0090 J	0.0090 J	-	NG/L	H2/TR
BA6DC-WO5-0915-1	L1678061-24	WO	N	p,p'-DDE	0.0010	0.033 B	0.033 J	+	NG/L	H2/B1
BA6DC-WO5-0915-1	L1678061-24	WO	N	p,p'-DDT	0.0051	0.0051 U	0.0051 UJ		NG/L	H2
BA7DC-WO20-0915-1	L1678061-28	WO	N	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0013	0.0079 J	0.0079 J	-	NG/L	H2/TR
BA7DC-WO20-0915-1	L1678061-28	WO	N	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.060	0.060 U	0.060 UJ		NG/L	H2
BA7DC-WO20-0915-1	L1678061-28	WO	N	o,p'-DDD	0.013	0.013 U	0.013 UJ		NG/L	H2/C11
BA7DC-WO20-0915-1	L1678061-28	WO	N	o,p'-DDE	0.0051	0.029 J	0.029 J	-	NG/L	H2/TR
BA7DC-WO20-0915-1	L1678061-28	WO	N	o,p'-DDT	0.066	0.066 U	0.066 UJ		NG/L	H2
BA7DC-WO20-0915-1	L1678061-28	WO	N	p,p'-DDD	0.026	0.026 U	0.026 UJ		NG/L	H2
BA7DC-WO20-0915-1	L1678061-28	WO	N	p,p'-DDE	0.0080	0.12	0.12 J	-	NG/L	H2
BA7DC-WO20-0915-1	L1678061-28	WO	N	p,p'-DDT	0.12	0.12 U	0.12 UJ		NG/L	H2
BA7DC-WO35-0915-1	L1678061-29	WO	N	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0044	0.025	0.025 J	-	NG/L	H2
BA7DC-WO35-0915-1	L1678061-29	WO	N	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.0073	0.59	0.59 J	-	NG/L	H2
BA7DC-WO35-0915-1	L1678061-29	WO	N	o,p'-DDD	0.0029	0.047	0.047 J		NG/L	H2/L/C11

Automated Data Review Detail Report for L1678061

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1699		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
BA7DC-WO35-0915-1	L1678061-29	WO	N	o,p'-DDE	0.0012	0.15	0.15 J	-	NG/L	H2
BA7DC-WO35-0915-1	L1678061-29	WO	N	o,p'-DDT	0.0063	0.0063 U	0.0063 UJ		NG/L	H2
BA7DC-WO35-0915-1	L1678061-29	WO	N	p,p'-DDD	0.0035	0.12	0.12 J	-	NG/L	H2
BA7DC-WO35-0915-1	L1678061-29	WO	N	p,p'-DDE	0.0026	0.71	0.71 J	+	NG/L	H2/B1
BA7DC-WO35-0915-1	L1678061-29	WO	N	p,p'-DDT	0.0058	0.013 J	0.013 J	-	NG/L	H2/TR
BA7DC-WO38-0915-1	L1678061-30	WO	FR	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0032	0.021 J	0.021 J	-	NG/L	H2/TR
BA7DC-WO38-0915-1	L1678061-30	WO	FR	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.0079	0.40	0.40 J	-	NG/L	H2
BA7DC-WO38-0915-1	L1678061-30	WO	FR	o,p'-DDD	0.0042	0.024 M	0.024 J		NG/L	H2/L/C11/G4/TR/D5
BA7DC-WO38-0915-1	L1678061-30	WO	FR	o,p'-DDE	0.0009	0.12	0.12 J	-	NG/L	H2
BA7DC-WO38-0915-1	L1678061-30	WO	FR	o,p'-DDT	0.0097	0.0097 U	0.0097 UJ		NG/L	H2
BA7DC-WO38-0915-1	L1678061-30	WO	FR	p,p'-DDD	0.0055	0.082	0.082 J	-	NG/L	H2
BA7DC-WO38-0915-1	L1678061-30	WO	FR	p,p'-DDE	0.0021	0.57	0.57 J	+	NG/L	H2/B1
BA7DC-WO38-0915-1	L1678061-30	WO	FR	p,p'-DDT	0.0093	0.015 J	0.015 J	-	NG/L	H2/TR
BA7DC-WO38-0915-2	L1678061-31	WO	N	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0047	0.017 J,M	0.017 J	-	NG/L	H2/TR/G4
BA7DC-WO38-0915-2	L1678061-31	WO	N	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.0096	0.37	0.37 J	-	NG/L	H2
BA7DC-WO38-0915-2	L1678061-31	WO	N	o,p'-DDD	0.0026	0.035 M	0.035 J		NG/L	H2/L/C11/G4/TR/D5
BA7DC-WO38-0915-2	L1678061-31	WO	N	o,p'-DDE	0.0012	0.096	0.096 J	-	NG/L	H2
BA7DC-WO38-0915-2	L1678061-31	WO	N	o,p'-DDT	0.0056	0.0056 U	0.0056 UJ		NG/L	H2
BA7DC-WO38-0915-2	L1678061-31	WO	N	p,p'-DDD	0.0031	0.081	0.081 J	-	NG/L	H2
BA7DC-WO38-0915-2	L1678061-31	WO	N	p,p'-DDE	0.0026	0.48	0.48 J	+	NG/L	H2/B1
BA7DC-WO38-0915-2	L1678061-31	WO	N	p,p'-DDT	0.0053	0.011 J	0.011 J	-	NG/L	H2/TR
BA7DC-WO38-0915-3	L1678061-32	WO	FD	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0040	0.017 J	0.017 J	-	NG/L	H2/TR
BA7DC-WO38-0915-3	L1678061-32	WO	FD	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.011	0.38	0.38 J	-	NG/L	H2
BA7DC-WO38-0915-3	L1678061-32	WO	FD	o,p'-DDD	0.0023	0.028 M	0.028 J		NG/L	H2/L/C11/G4/TR/D5

Automated Data Review Detail Report for L1678061

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1699		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
BA7DC-WO38-0915-3	L1678061-32	WO	FD	o,p'-DDE	0.0012	0.089	0.089 J	-	NG/L	H2
BA7DC-WO38-0915-3	L1678061-32	WO	FD	o,p'-DDT	0.0054	0.0054 U	0.0054 UJ		NG/L	H2
BA7DC-WO38-0915-3	L1678061-32	WO	FD	p,p'-DDD	0.0030	0.067	0.067 J	-	NG/L	H2
BA7DC-WO38-0915-3	L1678061-32	WO	FD	p,p'-DDE	0.0028	0.43	0.43 J	+	NG/L	H2/B1
BA7DC-WO38-0915-3	L1678061-32	WO	FD	p,p'-DDT	0.0048	0.0085 J	0.0085 J	-	NG/L	H2/TR
BA7DC-WO5-0915-1	L1678061-27	WO	N	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0002	0.0003 J,M	0.0003 J	-	NG/L	H2/TR/G4
BA7DC-WO5-0915-1	L1678061-27	WO	N	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.0063	0.0063 U	0.0063 UJ		NG/L	H2
BA7DC-WO5-0915-1	L1678061-27	WO	N	o,p'-DDD	0.0020	0.0032 J,M	0.0032 J		NG/L	H2/L/TR/C11/G4
BA7DC-WO5-0915-1	L1678061-27	WO	N	o,p'-DDE	0.0007	0.0047 J,M	0.0047 J	-	NG/L	H2/TR/G4
BA7DC-WO5-0915-1	L1678061-27	WO	N	o,p'-DDT	0.0047	0.0047 U	0.0047 UJ		NG/L	H2
BA7DC-WO5-0915-1	L1678061-27	WO	N	p,p'-DDD	0.0026	0.0055 J	0.0055 J	-	NG/L	H2/TR
BA7DC-WO5-0915-1	L1678061-27	WO	N	p,p'-DDE	0.0015	0.024 B	0.024 J	+	NG/L	H2/B1
BA7DC-WO5-0915-1	L1678061-27	WO	N	p,p'-DDT	0.0043	0.0043 M,U	0.0043 UJ		NG/L	H2
W2-WO100-0915-1	L1678061-34	WO	N	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0007	0.0041 J	0.0041 J		NG/L	B1/H2/TR
W2-WO100-0915-1	L1678061-34	WO	N	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.029	0.050 M	0.050 J	-	NG/L	H2/G4/TR
W2-WO100-0915-1	L1678061-34	WO	N	o,p'-DDD	0.0079	0.0079 U	0.0079 UJ		NG/L	H2
W2-WO100-0915-1	L1678061-34	WO	N	o,p'-DDE	0.0039	0.012 J	0.012 J	-	NG/L	H2/TR
W2-WO100-0915-1	L1678061-34	WO	N	o,p'-DDT	0.019	0.019 U	0.019 UJ		NG/L	H2
W2-WO100-0915-1	L1678061-34	WO	N	p,p'-DDD	0.014	0.014 U	0.014 UJ		NG/L	H2
W2-WO100-0915-1	L1678061-34	WO	N	p,p'-DDE	0.0081	0.076 B	0.076 J	+	NG/L	H2/B1
W2-WO100-0915-1	L1678061-34	WO	N	p,p'-DDT	0.089	0.089 U	0.089 UJ		NG/L	H2
W2-WO195-0915-1	L1678061-35	WO	N	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0006	0.013 J	0.013 J		NG/L	B1/H2/TR
W2-WO195-0915-1	L1678061-35	WO	N	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.018	0.13	0.13 J	-	NG/L	H2
W2-WO195-0915-1	L1678061-35	WO	N	o,p'-DDD	0.0089	0.0089 U	0.0089 UJ		NG/L	H2
W2-WO195-0915-1	L1678061-35	WO	N	o,p'-DDE	0.0024	0.033	0.033 J	-	NG/L	H2

Automated Data Review Detail Report for L1678061

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1699		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
W2-WO195-0915-1	L1678061-35	WO	N	o,p'-DDT	0.027	0.027 U	0.027 UJ		NG/L	H2
W2-WO195-0915-1	L1678061-35	WO	N	p,p'-DDD	0.020	0.027	0.027 J	-	NG/L	H2
W2-WO195-0915-1	L1678061-35	WO	N	p,p'-DDE	0.0080	0.20 B	0.20 J	+	NG/L	H2/B1
W2-WO195-0915-1	L1678061-35	WO	N	p,p'-DDT	0.088	0.088 U	0.088 UJ		NG/L	H2
W2-WO198-0915-1	L1678061-36	WO	N	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0009	0.012 J	0.012 J		NG/L	B1/H2/TR/X2
W2-WO198-0915-1	L1678061-36	WO	N	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.024	0.13 M	0.13 J	-	NG/L	H2/X2
W2-WO198-0915-1	L1678061-36	WO	N	o,p'-DDD	0.0081	0.0081 U	0.0081 UJ		NG/L	H2/X2
W2-WO198-0915-1	L1678061-36	WO	N	o,p'-DDE	0.0025	0.030	0.030 J	-	NG/L	H2/X2
W2-WO198-0915-1	L1678061-36	WO	N	o,p'-DDT	0.024	0.024 U	0.024 UJ		NG/L	H2/X2
W2-WO198-0915-1	L1678061-36	WO	N	p,p'-DDD	0.018	0.026 M	0.026 J	-	NG/L	H2/X2
W2-WO198-0915-1	L1678061-36	WO	N	p,p'-DDE	0.0082	0.18 B	0.18 J	+	NG/L	H2/B1/X2
W2-WO198-0915-1	L1678061-36	WO	N	p,p'-DDT	0.099	0.099 U	0.099 UJ		NG/L	H2/X2
W2-WO5-0915-1	L1678061-33	WO	N	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0007	0.0025 J,M	0.0025 J		NG/L	B1/H2/TR/G4
W2-WO5-0915-1	L1678061-33	WO	N	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.036	0.036 U	0.036 UJ		NG/L	H2
W2-WO5-0915-1	L1678061-33	WO	N	o,p'-DDD	0.0085	0.0085 U	0.0085 UJ		NG/L	H2
W2-WO5-0915-1	L1678061-33	WO	N	o,p'-DDE	0.0033	0.0074 J,M	0.0074 J	-	NG/L	H2/TR/G4
W2-WO5-0915-1	L1678061-33	WO	N	o,p'-DDT	0.028	0.028 U	0.028 UJ		NG/L	H2
W2-WO5-0915-1	L1678061-33	WO	N	p,p'-DDD	0.021	0.021 U	0.021 UJ		NG/L	H2
W2-WO5-0915-1	L1678061-33	WO	N	p,p'-DDE	0.0091	0.034 B	0.034 J	+	NG/L	H2/B1
W2-WO5-0915-1	L1678061-33	WO	N	p,p'-DDT	0.094	0.094 U	0.094 UJ		NG/L	H2
W3-WO195-0915-1	L1678061-9	WO	N	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0006	0.024	0.024 J	-	NG/L	H2
W3-WO195-0915-1	L1678061-9	WO	N	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.021	0.31	0.31 J	-	NG/L	H2
W3-WO195-0915-1	L1678061-9	WO	N	o,p'-DDD	0.0030	0.019 J,M	0.019 J		NG/L	B1/H2/TR/G4
W3-WO195-0915-1	L1678061-9	WO	N	o,p'-DDE	0.0024	0.061	0.061 J		NG/L	H2/B1
W3-WO195-0915-1	L1678061-9	WO	N	o,p'-DDT	0.023	0.023 U	0.023 UJ		NG/L	H2/C11

Automated Data Review Detail Report for L1678061

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1699		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
W3-WO195-0915-1	L1678061-9	WO	N	p,p'-DDD	0.011	0.039 M	0.039 J	-	NG/L	H2
W3-WO195-0915-1	L1678061-9	WO	N	p,p'-DDE	0.0069	0.39	0.39 J	+	NG/L	H2/B1
W3-WO195-0915-1	L1678061-9	WO	N	p,p'-DDT	0.028	0.028 U	0.028 UJ		NG/L	H2
WQ-ER2-0915-1	L1678061-10	WQ	EB	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0005	0.0005 U	0.0005 UJ		NG/L	H2
WQ-ER2-0915-1	L1678061-10	WQ	EB	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.013	0.013 U	0.013 UJ		NG/L	H2
WQ-ER2-0915-1	L1678061-10	WQ	EB	o,p'-DDD	0.0045	0.0045 U	0.0045 UJ		NG/L	H2
WQ-ER2-0915-1	L1678061-10	WQ	EB	o,p'-DDE	0.0021	0.0021 U	0.0021 UJ		NG/L	H2
WQ-ER2-0915-1	L1678061-10	WQ	EB	o,p'-DDT	0.024	0.024 U	0.024 UJ		NG/L	H2/C11
WQ-ER2-0915-1	L1678061-10	WQ	EB	p,p'-DDD	0.011	0.011 U	0.011 UJ		NG/L	H2
WQ-ER2-0915-1	L1678061-10	WQ	EB	p,p'-DDE	0.017	0.0094 J,B	0.017 UJ		NG/L	H2/B1
WQ-ER2-0915-1	L1678061-10	WQ	EB	p,p'-DDT	0.055	0.055 U	0.055 UJ		NG/L	H2

Automated Data Review Detail Report for L1678061

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Detected Results

Test Method: E1668C		Extraction Method: METHOD			Leach Method: NONE					
FieldSample ID	LabSample ID	Matrix	Type	Dilution	Analyte	MDL	Lab Result	Qualified Result	Units	Reason
BA1B-WO145-0915-1	L1678061-49	WO	N	1	2,2',3,3',4,4'-HEXACHLOROBIPHENYL	0.14	0.28 J	0.28 J	PG/L	B1/TR
BA1B-WO145-0915-1	L1678061-49	WO	N	1	2,2',3,3',4,5',6'-HEPTACHLOROBIPHENYL	0.18	0.19 J,M	0.19 J	PG/L	TR/G4
BA1B-WO145-0915-1	L1678061-49	WO	N	1	2,2',3,4,4',5,5'-HEPTACHLOROBIPHENYL	0.14	0.59 J	0.59 J	PG/L	B1/TR
BA1B-WO145-0915-1	L1678061-49	WO	N	1	2,2',3,4,4',5',6'-HEPTACHLOROBIPHENYL	0.15	0.16 J,M	0.16 J	PG/L	TR/G4
BA1B-WO145-0915-1	L1678061-49	WO	N	1	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	0.15	2.6 J,B	2.6 J	PG/L	B1/TR
BA1B-WO145-0915-1	L1678061-49	WO	N	1	2,2',3,4',5,5',6'-HEPTACHLOROBIPHENYL	0.14	0.40 J	0.40 J	PG/L	B1/TR
BA1B-WO145-0915-1	L1678061-49	WO	N	1	2,2',3,4',5',6'-HEXACHLOROBIPHENYL	0.15	2.1 J,B	2.1 J	PG/L	B1/TR
BA1B-WO145-0915-1	L1678061-49	WO	N	1	2,2',3,4,5'-PENTACHLOROBIPHENYL/2,3',4,4',6'-Pentachlorobiphenyl	0.17	2.6 J	2.6 J	PG/L	B1/TR
BA1B-WO145-0915-1	L1678061-49	WO	N	1	2,2',3,5,5',6'-HEXACHLOROBIPHENYL	0.14	0.97 J,B	0.97 J	PG/L	TR
BA1B-WO145-0915-1	L1678061-49	WO	N	1	2,2',4,4',5,5'-HEXACHLOROBIPHENYL/2,3',4,4',5',6'-HEXACHLOROBIPHENYL	0.12	1.7 J,M	1.7 J	PG/L	B1/TR/G4
BA1B-WO145-0915-1	L1678061-49	WO	N	1	2,2',4,4',5'-PENTACHLOROBIPHENYL	0.20	2.2 J,B	2.2 J	PG/L	B1/TR
BA1B-WO145-0915-1	L1678061-49	WO	N	1	2,2',4,5,5'-PENTACHLOROBIPHENYL	0.18	3.4 J,B	3.4 J	PG/L	B1/TR
BA1B-WO145-0915-1	L1678061-49	WO	N	1	2,2',4,5'-TETRACHLOROBIPHENYL	0.21	2.2 J,B	2.2 J	PG/L	B1/TR
BA1B-WO145-0915-1	L1678061-49	WO	N	1	2,2',5,5'-TETRACHLOROBIPHENYL	0.27	4.3 J,B	4.3 J	PG/L	B1/TR
BA1B-WO145-0915-1	L1678061-49	WO	N	1	2,3,3',4,4',6'-HEXACHLOROBIPHENYL	0.11	0.25 J,M	0.25 J	PG/L	B1/TR/G4
BA1B-WO145-0915-1	L1678061-49	WO	N	1	2,3,3',4,4'-PENTACHLOROBIPHENYL	0.15	1.4 J	1.4 J	PG/L	B1/TR
BA1B-WO145-0915-1	L1678061-49	WO	N	1	2,3,3',4',6'-PENTACHLOROBIPHENYL	0.15	4.2 J	4.2 J	PG/L	B1/TR
BA1B-WO145-0915-1	L1678061-49	WO	N	1	2,3',4,4',5'-PENTACHLOROBIPHENYL	0.14	2.7 J,B	2.7 J	PG/L	B1/TR
BA1B-WO145-0915-1	L1678061-49	WO	N	1	2,3',4,4'-TETRACHLOROBIPHENYL	0.24	2.7 J,B	2.7 J	PG/L	B1/TR
BA1B-WO145-0915-1	L1678061-49	WO	N	1	2,4'-DICHLOROBIPHENYL	1.6	3.7 J,M	3.7 J	PG/L	TR/G4
BA1B-WO145-0915-1	L1678061-49	WO	N	1	PCB061/070/074/076	0.24	4.4 J,B	4.4 J	PG/L	B1/TR
BA1B-WO5-0915-1	L1678061-47	WO	N	1	2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	0.32	2.6 J,M	2.6 J	PG/L	B1/TR/G4

Automated Data Review Detail Report for L1678061

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Detected Results

Test Method: E1668C		Extraction Method: METHOD			Leach Method: NONE					
FieldSample ID	LabSample ID	Matrix	Type	Dilution	Analyte	MDL	Lab Result	Qualified Result	Units	Reason
BA1B-WO5-0915-1	L1678061-47	WO	N	1	2,2',3,3',4,5',6'-HEPTACHLOROBIPHENYL	0.17	0.19 J	0.19 J	PG/L	TR
BA1B-WO5-0915-1	L1678061-47	WO	N	1	2,2',3,4,5'-PENTACHLOROBIPHENYL/2,3',4,4',6-Pentachlorobiphenyl	0.23	1.4 J,M	1.4 J	PG/L	B1/TR/G4
BA1B-WO5-0915-1	L1678061-47	WO	N	1	2,2',4,4',5-PENTACHLOROBIPHENYL	0.27	0.76 J,M	0.76 J	PG/L	B1/TR/G4
BA1B-WO5-0915-1	L1678061-47	WO	N	1	2,2',4,5,5'-PENTACHLOROBIPHENYL	0.25	1.9 J,B	1.9 J	PG/L	B1/TR
BA1B-WO5-0915-1	L1678061-47	WO	N	1	2,2',4,5'-TETRACHLOROBIPHENYL	0.24	1.4 J,B	1.4 J	PG/L	B1/TR
BA1B-WO5-0915-1	L1678061-47	WO	N	1	2,2',5,5'-TETRACHLOROBIPHENYL	0.31	3.7 J,B	3.7 J	PG/L	B1/TR
BA1B-WO5-0915-1	L1678061-47	WO	N	1	2,3,3',4,4'-PENTACHLOROBIPHENYL	0.15	0.73 J	0.73 J	PG/L	B1/TR
BA1B-WO75-0915-1	L1678061-48	WO	N	1	2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	0.18	2.4 J,B	2.4 J	PG/L	B1/TR
BA1B-WO75-0915-1	L1678061-48	WO	N	1	2,2',3,3',4,4'-HEXACHLOROBIPHENYL	0.16	0.33 J,M	0.33 J	PG/L	B1/TR/G4
BA1B-WO75-0915-1	L1678061-48	WO	N	1	2,2',3,3',4,5',6'-HEPTACHLOROBIPHENYL	0.17	0.23 J	0.23 J	PG/L	TR
BA1B-WO75-0915-1	L1678061-48	WO	N	1	2,2',3,4,4',5,5'-HEPTACHLOROBIPHENYL	0.13	0.72 J	0.72 J	PG/L	B1/TR
BA1B-WO75-0915-1	L1678061-48	WO	N	1	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	0.17	2.7 J,B	2.7 J	PG/L	B1/TR
BA1B-WO75-0915-1	L1678061-48	WO	N	1	2,2',3,4',5,5',6-HEPTACHLOROBIPHENYL	0.13	0.43 J	0.43 J	PG/L	B1/TR
BA1B-WO75-0915-1	L1678061-48	WO	N	1	2,2',3,4',5',6-HEXACHLOROBIPHENYL	0.18	1.8 J,B	1.8 J	PG/L	B1/TR
BA1B-WO75-0915-1	L1678061-48	WO	N	1	2,2',3,4,5'-PENTACHLOROBIPHENYL/2,3',4,4',6-Pentachlorobiphenyl	0.21	3.2 J,M	3.2 J	PG/L	B1/TR/G4
BA1B-WO75-0915-1	L1678061-48	WO	N	1	2,2',3,5,5',6-HEXACHLOROBIPHENYL	0.15	0.99 J,M	0.99 J	PG/L	TR/G4
BA1B-WO75-0915-1	L1678061-48	WO	N	1	2,2',3,5'-TETRACHLOROBIPHENYL	0.21	8.7 J	8.7 J	PG/L	B1/TR
BA1B-WO75-0915-1	L1678061-48	WO	N	1	2,2',4,4',5,5'-HEXACHLOROBIPHENYL/2,3',4,4',5',6-HEXACHLOROBIPHENYL	0.15	1.9 J,B	1.9 J	PG/L	B1/TR
BA1B-WO75-0915-1	L1678061-48	WO	N	1	2,2',4,4',5-PENTACHLOROBIPHENYL	0.25	2.2 J,M	2.2 J	PG/L	B1/TR/G4
BA1B-WO75-0915-1	L1678061-48	WO	N	1	2,2',4,5,5'-PENTACHLOROBIPHENYL	0.23	4.4 J,B	4.4 J	PG/L	B1/TR
BA1B-WO75-0915-1	L1678061-48	WO	N	1	2,2',4,5'-TETRACHLOROBIPHENYL	0.20	2.9 J,M	2.9 J	PG/L	B1/TR/G4
BA1B-WO75-0915-1	L1678061-48	WO	N	1	2,2',5,5'-TETRACHLOROBIPHENYL	0.26	6.7 J,B	6.7 J	PG/L	B1/TR
BA1B-WO75-0915-1	L1678061-48	WO	N	1	2,3,3',4,4',6-HEXACHLOROBIPHENYL	0.13	0.31 J	0.31 J	PG/L	B1/TR

Automated Data Review Detail Report for L1678061

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Detected Results

Test Method: E1668C		Extraction Method: METHOD			Leach Method: NONE					
FieldSample ID	LabSample ID	Matrix	Type	Dilution	Analyte	MDL	Lab Result	Qualified Result	Units	Reason
BA1B-WO75-0915-1	L1678061-48	WO	N	1	2,3,3',4,4'-PENTACHLOROBIPHENYL	0.18	1.4 J,M	1.4 J	PG/L	B1/TR/G4
BA1B-WO75-0915-1	L1678061-48	WO	N	1	2,3,3',4',6-PENTACHLOROBIPHENYL	0.19	6.0 J	6.0 J	PG/L	B1/TR
BA1B-WO75-0915-1	L1678061-48	WO	N	1	2,3',4,4',5-PENTACHLOROBIPHENYL	0.17	3.3 J,B	3.3 J	PG/L	B1/TR
BA1B-WO75-0915-1	L1678061-48	WO	N	1	2,3',4,4'-TETRACHLOROBIPHENYL	0.24	3.8 J,B	3.8 J	PG/L	B1/TR
BA1B-WO75-0915-1	L1678061-48	WO	N	1	2,4,4'-TRICHLOROBIPHENYL	0.25	5.7 J,B	5.7 J	PG/L	B1/TR
BA1B-WO75-0915-1	L1678061-48	WO	N	1	2,4',5-TRICHLOROBIPHENYL	0.25	4.4 J,B	4.4 J	PG/L	B1/TR
BA1B-WO75-0915-1	L1678061-48	WO	N	1	2,4'-DICHLOROBIPHENYL	1.6	3.9 J,M	3.9 J	PG/L	TR/G4
BA1B-WO75-0915-1	L1678061-48	WO	N	1	PCB061/070/074/076	0.24	6.3 J,B	6.3 J	PG/L	B1/TR
BA1DC-WO5-0915-1	L1678061-43	WO	N	1	2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	0.11	0.65 J	0.65 J	PG/L	TR
BA1DC-WO5-0915-1	L1678061-43	WO	N	1	2,2',3,3',4,5',6'-HEPTACHLOROBIPHENYL	0.11	0.15 J	0.15 J	PG/L	TR/D5
BA1DC-WO5-0915-1	L1678061-43	WO	N	1	2,2',3,4,4',5,5'-HEPTACHLOROBIPHENYL	0.084	0.32 J,M	0.32 J	PG/L	TR/G4
BA1DC-WO5-0915-1	L1678061-43	WO	N	1	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	0.12	0.91 J	0.91 J	PG/L	TR
BA1DC-WO5-0915-1	L1678061-43	WO	N	1	2,2',3,4',5,5',6-HEPTACHLOROBIPHENYL	0.087	0.16 J,M	0.16 J	PG/L	TR/G4
BA1DC-WO5-0915-1	L1678061-43	WO	N	1	2,2',3,4',5',6-HEXACHLOROBIPHENYL	0.12	0.86 J,M	0.86 J	PG/L	TR/G4
BA1DC-WO5-0915-1	L1678061-43	WO	N	1	2,2',3,4,5'-PENTACHLOROBIPHENYL/2,3',4,4',6-Pentachlorobiphenyl	0.11	1.5 J	1.5 J	PG/L	TR/D5
BA1DC-WO5-0915-1	L1678061-43	WO	N	1	2,2',3,5,5',6-HEXACHLOROBIPHENYL	0.088	0.25 J,M	0.25 J	PG/L	TR/G4
BA1DC-WO5-0915-1	L1678061-43	WO	N	1	2,2',4,4',5,5'-HEXACHLOROBIPHENYL/2,3',4,4',5,6-HEXACHLOROBIPHENYL	0.10	0.81 J,M	0.81 J	PG/L	TR/G4
BA1DC-WO5-0915-1	L1678061-43	WO	N	1	2,2',4,4',5-PENTACHLOROBIPHENYL	0.13	0.98 J	0.98 J	PG/L	TR/D5
BA1DC-WO5-0915-1	L1678061-43	WO	N	1	2,2',4,5,5'-PENTACHLOROBIPHENYL	0.12	1.6 J	1.6 J	PG/L	TR
BA1DC-WO5-0915-1	L1678061-43	WO	N	1	2,2',4,5'-TETRACHLOROBIPHENYL	0.13	1.2 J	1.2 J	PG/L	TR
BA1DC-WO5-0915-1	L1678061-43	WO	N	1	2,2',5,5'-TETRACHLOROBIPHENYL	0.15	2.3 J,B	2.3 J	PG/L	B1/TR
BA1DC-WO5-0915-1	L1678061-43	WO	N	1	2,2',5-TRICHLOROBIPHENYL	0.20	1.8 J	1.8 J	PG/L	TR
BA1DC-WO5-0915-1	L1678061-43	WO	N	1	2,3,3',4,4'-PENTACHLOROBIPHENYL	0.095	0.60 J,M	0.60 J	PG/L	TR/G4/D5
BA1DC-WO5-0915-1	L1678061-43	WO	N	1	2,3,3',4',6-PENTACHLOROBIPHENYL	0.098	1.7 J,M	1.7 J	PG/L	B1/TR/G4

Automated Data Review Detail Report for L1678061

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Detected Results

Test Method: E1668C		Extraction Method: METHOD			Leach Method: NONE					
FieldSample ID	LabSample ID	Matrix	Type	Dilution	Analyte	MDL	Lab Result	Qualified Result	Units	Reason
BA1DC-WO5-0915-1	L1678061-43	WO	N	1	2,3',4,4',5-PENTACHLOROBIPHENYL	0.091	1.1 J	1.1 J	PG/L	TR
BA1DC-WO5-0915-1	L1678061-43	WO	N	1	2,3',4,4'-TETRACHLOROBIPHENYL	0.19	1.2 J	1.2 J	PG/L	TR
BA1DC-WO5-0915-1	L1678061-43	WO	N	1	2,4,4'-TRICHLOROBIPHENYL	0.18	2.5 J	2.5 J	PG/L	TR
BA1DC-WO5-0915-1	L1678061-43	WO	N	1	2,4',5-TRICHLOROBIPHENYL	0.18	2.1 J	2.1 J	PG/L	TR
BA1DC-WO5-0915-1	L1678061-43	WO	N	1	2,4'-DICHLOROBIPHENYL	0.66	2.1 J,M	2.1 J	PG/L	TR/G4
BA1DC-WO5-0915-1	L1678061-43	WO	N	1	3,3',4,4'-TETRACHLOROBIPHENYL	0.19	0.25 J	0.25 J	PG/L	TR/D5
BA1DC-WO5-0915-1	L1678061-43	WO	N	1	3,4,4'-TRICHLOROBIPHENYL	0.20	0.55 J,M	0.55 J	PG/L	TR/G4
BA1DC-WO5-0915-1	L1678061-43	WO	N	1	PCB061/070/074/076	0.19	2.4 J	2.4 J	PG/L	B1/TR
BA1DC-WO5-0915-2	L1678061-44	WO	FD	1	2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	0.093	0.44 J,M	0.44 J	PG/L	TR/G4
BA1DC-WO5-0915-2	L1678061-44	WO	FD	1	2,2',3,3',4,4',5-HEPTACHLOROBIPHENYL	0.087	0.14 J	0.14 J	PG/L	TR/D5
BA1DC-WO5-0915-2	L1678061-44	WO	FD	1	2,2',3,4,4',5,5'-HEPTACHLOROBIPHENYL	0.070	0.27 J	0.27 J	PG/L	TR
BA1DC-WO5-0915-2	L1678061-44	WO	FD	1	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	0.087	0.91 J	0.91 J	PG/L	TR
BA1DC-WO5-0915-2	L1678061-44	WO	FD	1	2,2',3,4',5,5',6-HEPTACHLOROBIPHENYL	0.073	0.21 J,M	0.21 J	PG/L	TR/G4
BA1DC-WO5-0915-2	L1678061-44	WO	FD	1	2,2',3,4',5',6-HEXACHLOROBIPHENYL	0.088	0.69 J	0.69 J	PG/L	TR
BA1DC-WO5-0915-2	L1678061-44	WO	FD	1	2,2',3,4,5'-PENTACHLOROBIPHENYL/2,3',4,4',6-Pentachlorobiphenyl	0.089	0.87 J,M	0.87 J	PG/L	TR/G4/D5
BA1DC-WO5-0915-2	L1678061-44	WO	FD	1	2,2',3,5,5',6-HEXACHLOROBIPHENYL	0.072	0.19 J,M	0.19 J	PG/L	TR/G4
BA1DC-WO5-0915-2	L1678061-44	WO	FD	1	2,2',4,4',5,5'-HEXACHLOROBIPHENYL/2,3',4,4',5,6-HEXACHLOROBIPHENYL	0.072	0.63 J	0.63 J	PG/L	TR
BA1DC-WO5-0915-2	L1678061-44	WO	FD	1	2,2',4,4',5-PENTACHLOROBIPHENYL	0.11	0.63 J,M	0.63 J	PG/L	TR/G4/D5
BA1DC-WO5-0915-2	L1678061-44	WO	FD	1	2,2',4,5,5'-PENTACHLOROBIPHENYL	0.099	1.7 J	1.7 J	PG/L	TR
BA1DC-WO5-0915-2	L1678061-44	WO	FD	1	2,2',4,5'-TETRACHLOROBIPHENYL	0.11	0.97 J	0.97 J	PG/L	TR
BA1DC-WO5-0915-2	L1678061-44	WO	FD	1	2,2',5,5'-TETRACHLOROBIPHENYL	0.13	2.4 J,M	2.4 J	PG/L	B1/TR/G4
BA1DC-WO5-0915-2	L1678061-44	WO	FD	1	2,2',5-TRICHLOROBIPHENYL	0.19	2.1 J	2.1 J	PG/L	TR
BA1DC-WO5-0915-2	L1678061-44	WO	FD	1	2,3,3',4,4'-PENTACHLOROBIPHENYL	0.10	0.27 J,M	0.27 J	PG/L	TR/G4/D5
BA1DC-WO5-0915-2	L1678061-44	WO	FD	1	2,3,3',4',6-PENTACHLOROBIPHENYL	0.082	1.6 J	1.6 J	PG/L	B1/TR

Automated Data Review Detail Report for L1678061

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Detected Results

Test Method: E1668C		Extraction Method: METHOD			Leach Method: NONE					
FieldSample ID	LabSample ID	Matrix	Type	Dilution	Analyte	MDL	Lab Result	Qualified Result	Units	Reason
BA1DC-WO5-0915-2	L1678061-44	WO	FD	1	2,3',4,4',5-PENTACHLOROBIPHENYL	0.093	0.79 J,M	0.79 J	PG/L	TR/G4
BA1DC-WO5-0915-2	L1678061-44	WO	FD	1	2,3',4,4'-TETRACHLOROBIPHENYL	0.18	1.0 J,M	1.0 J	PG/L	TR/G4
BA1DC-WO5-0915-2	L1678061-44	WO	FD	1	2,4,4'-TRICHLOROBIPHENYL	0.12	2.6 J	2.6 J	PG/L	TR
BA1DC-WO5-0915-2	L1678061-44	WO	FD	1	2,4',5-TRICHLOROBIPHENYL	0.12	2.0 J	2.0 J	PG/L	TR
BA1DC-WO5-0915-2	L1678061-44	WO	FD	1	2,4'-DICHLOROBIPHENYL	0.42	2.4 J,M	2.4 J	PG/L	TR/G4
BA1DC-WO5-0915-2	L1678061-44	WO	FD	1	3,4,4'-TRICHLOROBIPHENYL	0.14	0.47 J,M	0.47 J	PG/L	TR/G4
BA1DC-WO5-0915-2	L1678061-44	WO	FD	1	PCB061/070/074/076	0.18	2.0 J,M	2.0 J	PG/L	B1/TR/G4
BA2B-WO145-0915-1	L1678061-45	WO	N	1	2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	0.11	0.56 J	0.56 J	PG/L	TR
BA2B-WO145-0915-1	L1678061-45	WO	N	1	2,2',3,3',4,4',5,5'-OCTACHLOROBIPHENYL	0.074	0.10 J,M	0.10 J	PG/L	TR/G4
BA2B-WO145-0915-1	L1678061-45	WO	N	1	2,2',3,3',4,4',5-HEPTACHLOROBIPHENYL	0.087	0.56 J,M	0.56 J	PG/L	TR/G4
BA2B-WO145-0915-1	L1678061-45	WO	N	1	2,2',3,3',4,4'-HEXACHLOROBIPHENYL	0.085	0.42 J	0.42 J	PG/L	TR
BA2B-WO145-0915-1	L1678061-45	WO	N	1	2,2',3,3',4,5',6'-HEPTACHLOROBIPHENYL	0.092	0.46 J	0.46 J	PG/L	TR
BA2B-WO145-0915-1	L1678061-45	WO	N	1	2,2',3,4,4',5,5'-HEPTACHLOROBIPHENYL	0.070	1.1 J	1.1 J	PG/L	TR
BA2B-WO145-0915-1	L1678061-45	WO	N	1	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	0.094	4.1 J,M	4.1 J	PG/L	TR/G4
BA2B-WO145-0915-1	L1678061-45	WO	N	1	2,2',3,4',5,5',6-HEPTACHLOROBIPHENYL	0.073	0.81 J	0.81 J	PG/L	TR
BA2B-WO145-0915-1	L1678061-45	WO	N	1	2,2',3,4',5,6-HEXACHLOROBIPHENYL	0.095	3.1 J	3.1 J	PG/L	TR
BA2B-WO145-0915-1	L1678061-45	WO	N	1	2,2',3,4,5'-PENTACHLOROBIPHENYL/2,3',4,4',6-Pentachlorobiphenyl	0.12	1.7 J,M	1.7 J	PG/L	TR/G4
BA2B-WO145-0915-1	L1678061-45	WO	N	1	2,2',3,5,5',6-HEXACHLOROBIPHENYL	0.065	1.4 J	1.4 J	PG/L	TR
BA2B-WO145-0915-1	L1678061-45	WO	N	1	2,2',3,5'-TETRACHLOROBIPHENYL	0.11	29.0 B	29.0 J	PG/L	B1
BA2B-WO145-0915-1	L1678061-45	WO	N	1	2,2',4,4',5,5'-HEXACHLOROBIPHENYL/2,3',4,4',5,6-HEXACHLOROBIPHENYL	0.078	2.6 J	2.6 J	PG/L	TR
BA2B-WO145-0915-1	L1678061-45	WO	N	1	2,2',4,4',5-PENTACHLOROBIPHENYL	0.14	1.8 J,M	1.8 J	PG/L	TR/G4
BA2B-WO145-0915-1	L1678061-45	WO	N	1	2,2',4,5,5'-PENTACHLOROBIPHENYL	0.13	4.2 J	4.2 J	PG/L	TR
BA2B-WO145-0915-1	L1678061-45	WO	N	1	2,2',4,5'-TETRACHLOROBIPHENYL	0.11	3.2 J	3.2 J	PG/L	TR

Automated Data Review Detail Report for L1678061

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Detected Results

Test Method: E1668C		Extraction Method: METHOD			Leach Method: NONE					
FieldSample ID	LabSample ID	Matrix	Type	Dilution	Analyte	MDL	Lab Result	Qualified Result	Units	Reason
BA2B-WO145-0915-1	L1678061-45	WO	N	1	2,2',5,5'-TETRACHLOROBIPHENYL	0.13	7.9 J,B	7.9 J	PG/L	B1/TR
BA2B-WO145-0915-1	L1678061-45	WO	N	1	2,2',5-TRICHLOROBIPHENYL	0.13	4.7 J	4.7 J	PG/L	TR
BA2B-WO145-0915-1	L1678061-45	WO	N	1	2,3,3',4,4',5'-Hexachlorobiphenyl/2,3,3',4,4',5'-Hexachlorobiphenyl	0.094	0.30 J,M	0.30 J	PG/L	TR/G4
BA2B-WO145-0915-1	L1678061-45	WO	N	1	2,3,3',4,4',6-HEXACHLOROBIPHENYL	0.068	0.34 J	0.34 J	PG/L	TR
BA2B-WO145-0915-1	L1678061-45	WO	N	1	2,3,3',4,4'-PENTACHLOROBIPHENYL	0.14	1.3 J	1.3 J	PG/L	TR
BA2B-WO145-0915-1	L1678061-45	WO	N	1	2,3,3',4',6-PENTACHLOROBIPHENYL	0.11	5.1 J	5.1 J	PG/L	B1/TR
BA2B-WO145-0915-1	L1678061-45	WO	N	1	2,3',4,4',5-PENTACHLOROBIPHENYL	0.13	2.6 J	2.6 J	PG/L	TR
BA2B-WO145-0915-1	L1678061-45	WO	N	1	2,3',4,4'-TETRACHLOROBIPHENYL	0.19	3.8 J	3.8 J	PG/L	TR
BA2B-WO145-0915-1	L1678061-45	WO	N	1	2,4,4'-TRICHLOROBIPHENYL	0.18	6.7 J	6.7 J	PG/L	TR
BA2B-WO145-0915-1	L1678061-45	WO	N	1	2,4',5-TRICHLOROBIPHENYL	0.18	5.5 J	5.5 J	PG/L	TR
BA2B-WO145-0915-1	L1678061-45	WO	N	1	2,4'-DICHLOROBIPHENYL	0.47	3.6 J	3.6 J	PG/L	TR
BA2B-WO145-0915-1	L1678061-45	WO	N	1	3,3',4,4'-TETRACHLOROBIPHENYL	0.19	0.33 J,M	0.33 J	PG/L	TR/G4
BA2B-WO145-0915-1	L1678061-45	WO	N	1	3,4,4'-TRICHLOROBIPHENYL	0.21	1.8 J	1.8 J	PG/L	TR
BA2B-WO145-0915-1	L1678061-45	WO	N	1	PCB061/070/074/076	0.19	6.3 J	6.3 J	PG/L	B1/TR
BA2C-WO5-0915-1	L1678061-46	WO	N	1	2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	0.082	0.42 J	0.42 J	PG/L	TR
BA2C-WO5-0915-1	L1678061-46	WO	N	1	2,2',3,3',4,4',5-HEPTACHLOROBIPHENYL	0.068	0.30 J,M	0.30 J	PG/L	TR/G4
BA2C-WO5-0915-1	L1678061-46	WO	N	1	2,2',3,3',4,4'-HEXACHLOROBIPHENYL	0.055	0.27 J	0.27 J	PG/L	TR
BA2C-WO5-0915-1	L1678061-46	WO	N	1	2,2',3,3',4,5',6'-HEPTACHLOROBIPHENYL	0.072	0.17 J	0.17 J	PG/L	TR
BA2C-WO5-0915-1	L1678061-46	WO	N	1	2,2',3,4,4',5,5',6-OCTACHLOROBIPHENYL	0.051	0.064 J,M	0.064 J	PG/L	TR/G4
BA2C-WO5-0915-1	L1678061-46	WO	N	1	2,2',3,4,4',5,5'-HEPTACHLOROBIPHENYL	0.055	0.59 J	0.59 J	PG/L	TR
BA2C-WO5-0915-1	L1678061-46	WO	N	1	2,2',3,4,4',5',6-HEPTACHLOROBIPHENYL	0.064	0.15 J,M	0.15 J	PG/L	TR/G4
BA2C-WO5-0915-1	L1678061-46	WO	N	1	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	0.060	2.0 J	2.0 J	PG/L	TR
BA2C-WO5-0915-1	L1678061-46	WO	N	1	2,2',3,4',5,5',6-HEPTACHLOROBIPHENYL	0.057	0.31 J,M	0.31 J	PG/L	TR/G4
BA2C-WO5-0915-1	L1678061-46	WO	N	1	2,2',3,4',5',6-HEXACHLOROBIPHENYL	0.061	1.5 J	1.5 J	PG/L	TR

Automated Data Review Detail Report for L1678061

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Detected Results

Test Method: E1668C		Extraction Method: METHOD			Leach Method: NONE					
FieldSample ID	LabSample ID	Matrix	Type	Dilution	Analyte	MDL	Lab Result	Qualified Result	Units	Reason
BA2C-WO5-0915-1	L1678061-46	WO	N	1	2,2',3,4,5'-PENTACHLOROBIPHENYL/2,3',4,4',6-Pentachlorobiphenyl	0.070	0.86 J,M	0.86 J	PG/L	TR/G4
BA2C-WO5-0915-1	L1678061-46	WO	N	1	2,2',3,5,5',6-HEXACHLOROBIPHENYL	0.059	0.57 J,M	0.57 J	PG/L	TR/G4
BA2C-WO5-0915-1	L1678061-46	WO	N	1	2,2',3,5'-TETRACHLOROBIPHENYL	0.10	5.1 J,B	5.1 J	PG/L	B1/TR
BA2C-WO5-0915-1	L1678061-46	WO	N	1	2,2',4,4',5,5'-HEXACHLOROBIPHENYL/2,3',4,4',5',6-HEXACHLOROBIPHENYL	0.050	1.4 J	1.4 J	PG/L	TR
BA2C-WO5-0915-1	L1678061-46	WO	N	1	2,2',4,4',5-PENTACHLOROBIPHENYL	0.084	0.98 J	0.98 J	PG/L	TR
BA2C-WO5-0915-1	L1678061-46	WO	N	1	2,2',4,5,5'-PENTACHLOROBIPHENYL	0.077	2.2 J	2.2 J	PG/L	TR
BA2C-WO5-0915-1	L1678061-46	WO	N	1	2,2',4,5'-TETRACHLOROBIPHENYL	0.10	1.4 J,M	1.4 J	PG/L	TR/G4
BA2C-WO5-0915-1	L1678061-46	WO	N	1	2,2',5,5'-TETRACHLOROBIPHENYL	0.12	3.8 J,B	3.8 J	PG/L	B1/TR
BA2C-WO5-0915-1	L1678061-46	WO	N	1	2,2',5-TRICHLOROBIPHENYL	0.096	3.6 J	3.6 J	PG/L	TR
BA2C-WO5-0915-1	L1678061-46	WO	N	1	2,3,3',4,4',5'-Hexachlorobiphenyl/2,3,3',4,4',5'-Hexachlorobiphenyl	0.060	0.19 J	0.19 J	PG/L	TR
BA2C-WO5-0915-1	L1678061-46	WO	N	1	2,3,3',4,4',6-HEXACHLOROBIPHENYL	0.044	0.16 J,M	0.16 J	PG/L	TR/G4
BA2C-WO5-0915-1	L1678061-46	WO	N	1	2,3,3',4,4'-PENTACHLOROBIPHENYL	0.081	0.52 J	0.52 J	PG/L	TR
BA2C-WO5-0915-1	L1678061-46	WO	N	1	2,3,3',4',6-PENTACHLOROBIPHENYL	0.064	2.8 J	2.8 J	PG/L	B1/TR
BA2C-WO5-0915-1	L1678061-46	WO	N	1	2,3',4,4',5,5'-HEXACHLOROBIPHENYL	0.045	0.087 J	0.087 J	PG/L	TR
BA2C-WO5-0915-1	L1678061-46	WO	N	1	2,3',4,4',5-PENTACHLOROBIPHENYL	0.076	1.5 J	1.5 J	PG/L	TR
BA2C-WO5-0915-1	L1678061-46	WO	N	1	2,3',4,4'-TETRACHLOROBIPHENYL	0.13	1.9 J	1.9 J	PG/L	TR
BA2C-WO5-0915-1	L1678061-46	WO	N	1	2,4,4'-TRICHLOROBIPHENYL	0.13	3.8 J,M	3.8 J	PG/L	TR/G4
BA2C-WO5-0915-1	L1678061-46	WO	N	1	2,4',5-TRICHLOROBIPHENYL	0.13	3.2 J,M	3.2 J	PG/L	TR/G4
BA2C-WO5-0915-1	L1678061-46	WO	N	1	2,4'-DICHLOROBIPHENYL	0.36	2.9 J	2.9 J	PG/L	TR
BA2C-WO5-0915-1	L1678061-46	WO	N	1	3,3',4,4'-TETRACHLOROBIPHENYL	0.13	0.20 J,M	0.20 J	PG/L	TR/G4
BA2C-WO5-0915-1	L1678061-46	WO	N	1	3,4,4'-TRICHLOROBIPHENYL	0.15	0.84 J,M	0.84 J	PG/L	TR/G4
BA2C-WO5-0915-1	L1678061-46	WO	N	1	PCB061/070/074/076	0.13	3.1 J	3.1 J	PG/L	B1/TR
BA3B-WO145-0915-1	L1678061-42	WO	N	1	2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	0.094	0.56 J	0.56 J	PG/L	TR
BA3B-WO145-0915-1	L1678061-42	WO	N	1	2,2',3,3',4,4',5,5'-OCTACHLOROBIPHENYL	0.086	0.27 J	0.27 J	PG/L	TR

Automated Data Review Detail Report for L1678061

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Detected Results

Test Method: E1668C		Extraction Method: METHOD			Leach Method: NONE					
FieldSample ID	LabSample ID	Matrix	Type	Dilution	Analyte	MDL	Lab Result	Qualified Result	Units	Reason
BA3B-WO145-0915-1	L1678061-42	WO	N	1	2,2',3,3',4,4',5-HEPTACHLOROBIPHENYL	0.10	0.36 J,M	0.36 J	PG/L	TR/G4
BA3B-WO145-0915-1	L1678061-42	WO	N	1	2,2',3,3',4,4'-HEXACHLOROBIPHENYL	0.076	0.41 J	0.41 J	PG/L	TR
BA3B-WO145-0915-1	L1678061-42	WO	N	1	2,2',3,3',4,5',6'-HEPTACHLOROBIPHENYL	0.11	0.34 J,M	0.34 J	PG/L	TR/G4
BA3B-WO145-0915-1	L1678061-42	WO	N	1	2,2',3,4,4',5,5',6-OCTACHLOROBIPHENYL	0.099	0.17 J,M	0.17 J	PG/L	TR/G4
BA3B-WO145-0915-1	L1678061-42	WO	N	1	2,2',3,4,4',5,5'-HEPTACHLOROBIPHENYL	0.081	0.97 J,M	0.97 J	PG/L	TR/G4
BA3B-WO145-0915-1	L1678061-42	WO	N	1	2,2',3,4,4',5',6-HEPTACHLOROBIPHENYL	0.095	0.32 J	0.32 J	PG/L	TR
BA3B-WO145-0915-1	L1678061-42	WO	N	1	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	0.084	3.7 J	3.7 J	PG/L	TR
BA3B-WO145-0915-1	L1678061-42	WO	N	1	2,2',3,4',5,5',6-HEPTACHLOROBIPHENYL	0.085	0.56 J,M	0.56 J	PG/L	TR/G4
BA3B-WO145-0915-1	L1678061-42	WO	N	1	2,2',3,4',5',6-HEXACHLOROBIPHENYL	0.085	2.0 J	2.0 J	PG/L	TR
BA3B-WO145-0915-1	L1678061-42	WO	N	1	2,2',3,4,5'-PENTACHLOROBIPHENYL/2,3',4,4',6-Pentachlorobiphenyl	0.099	1.8 J,M	1.8 J	PG/L	TR/G4
BA3B-WO145-0915-1	L1678061-42	WO	N	1	2,2',3,5,5',6-HEXACHLOROBIPHENYL	0.072	0.94 J	0.94 J	PG/L	TR
BA3B-WO145-0915-1	L1678061-42	WO	N	1	2,2',3,5'-TETRACHLOROBIPHENYL	0.22	5.9 J,B	5.9 J	PG/L	B1/TR
BA3B-WO145-0915-1	L1678061-42	WO	N	1	2,2',4,4',5,5'-HEXACHLOROBIPHENYL/2,3',4,4',5',6-HEXACHLOROBIPHENYL	0.070	2.5 J	2.5 J	PG/L	TR
BA3B-WO145-0915-1	L1678061-42	WO	N	1	2,2',4,4',5-PENTACHLOROBIPHENYL	0.12	2.8 J	2.8 J	PG/L	TR
BA3B-WO145-0915-1	L1678061-42	WO	N	1	2,2',4,5,5'-PENTACHLOROBIPHENYL	0.11	4.6 J	4.6 J	PG/L	TR
BA3B-WO145-0915-1	L1678061-42	WO	N	1	2,2',4,5'-TETRACHLOROBIPHENYL	0.21	2.5 J	2.5 J	PG/L	TR
BA3B-WO145-0915-1	L1678061-42	WO	N	1	2,2',5,5'-TETRACHLOROBIPHENYL	0.25	4.5 J,B	4.5 J	PG/L	B1/TR
BA3B-WO145-0915-1	L1678061-42	WO	N	1	2,2',5-TRICHLOROBIPHENYL	0.14	2.2 J	2.2 J	PG/L	TR
BA3B-WO145-0915-1	L1678061-42	WO	N	1	2,3,3',4,4',5-Hexachlorobiphenyl/2,3,3',4,4',5'-Hexachlorobiphenyl	0.083	0.30 J,M	0.30 J	PG/L	TR/G4
BA3B-WO145-0915-1	L1678061-42	WO	N	1	2,3,3',4,4',6-HEXACHLOROBIPHENYL	0.061	0.36 J	0.36 J	PG/L	TR
BA3B-WO145-0915-1	L1678061-42	WO	N	1	2,3,3',4,4'-PENTACHLOROBIPHENYL	0.10	1.9 J	1.9 J	PG/L	TR
BA3B-WO145-0915-1	L1678061-42	WO	N	1	2,3,3',4',6-PENTACHLOROBIPHENYL	0.091	5.4 J,M	5.4 J	PG/L	B1/TR/G4

Automated Data Review Detail Report for L1678061

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Detected Results

Test Method: E1668C		Extraction Method: METHOD			Leach Method: NONE					
FieldSample ID	LabSample ID	Matrix	Type	Dilution	Analyte	MDL	Lab Result	Qualified Result	Units	Reason
BA3B-WO145-0915-1	L1678061-42	WO	N	1	2,3',4,4',5,5'-HEXACHLOROBIPHENYL	0.065	0.15 J,M	0.15 J	PG/L	TR/G4
BA3B-WO145-0915-1	L1678061-42	WO	N	1	2,3,4,4',5-PENTACHLOROBIPHENYL	0.10	0.20 J,M	0.20 J	PG/L	TR/G4
BA3B-WO145-0915-1	L1678061-42	WO	N	1	2,3',4,4',5-PENTACHLOROBIPHENYL	0.099	4.1 J	4.1 J	PG/L	TR
BA3B-WO145-0915-1	L1678061-42	WO	N	1	2,3',4,4'-TETRACHLOROBIPHENYL	0.18	4.3 J	4.3 J	PG/L	TR
BA3B-WO145-0915-1	L1678061-42	WO	N	1	2,4,4'-TRICHLOROBIPHENYL	0.17	3.3 J	3.3 J	PG/L	TR
BA3B-WO145-0915-1	L1678061-42	WO	N	1	2,4',5-TRICHLOROBIPHENYL	0.17	2.3 J,M	2.3 J	PG/L	TR/G4
BA3B-WO145-0915-1	L1678061-42	WO	N	1	2,4'-DICHLOROBIPHENYL	0.48	2.0 J	2.0 J	PG/L	TR
BA3B-WO145-0915-1	L1678061-42	WO	N	1	3,3',4,4'-TETRACHLOROBIPHENYL	0.18	0.38 J	0.38 J	PG/L	TR
BA3B-WO145-0915-1	L1678061-42	WO	N	1	3,4,4'-TRICHLOROBIPHENYL	0.20	0.75 J	0.75 J	PG/L	TR
BA3B-WO145-0915-1	L1678061-42	WO	N	1	PCB061/070/074/076	0.18	6.2 J	6.2 J	PG/L	B1/TR
BA3B-WO5-0915-1	L1678061-40	WO	N	1	2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	0.080	0.35 J	0.35 J	PG/L	TR
BA3B-WO5-0915-1	L1678061-40	WO	N	1	2,2',3,3',4,4',5-HEPTACHLOROBIPHENYL	0.11	0.18 J,M	0.18 J	PG/L	TR/G4
BA3B-WO5-0915-1	L1678061-40	WO	N	1	2,2',3,3',4,4'-HEXACHLOROBIPHENYL	0.12	0.48 J,M	0.48 J	PG/L	TR/G4
BA3B-WO5-0915-1	L1678061-40	WO	N	1	2,2',3,3',4,5',6,6'-OctaChloroBiphenyl	0.060	0.17 J,M	0.17 J	PG/L	TR/G4
BA3B-WO5-0915-1	L1678061-40	WO	N	1	2,2',3,3',4,5',6'-HEPTACHLOROBIPHENYL	0.12	0.17 J,M	0.17 J	PG/L	TR/G4
BA3B-WO5-0915-1	L1678061-40	WO	N	1	2,2',3,4,4',5,5',6-OCTACHLOROBIPHENYL	0.070	0.097 J,M	0.097 J	PG/L	TR/G4
BA3B-WO5-0915-1	L1678061-40	WO	N	1	2,2',3,4,4',5,5'-HEPTACHLOROBIPHENYL	0.089	0.44 J	0.44 J	PG/L	TR
BA3B-WO5-0915-1	L1678061-40	WO	N	1	2,2',3,4,4',5',6-HEPTACHLOROBIPHENYL	0.10	0.14 J,M	0.14 J	PG/L	TR/G4
BA3B-WO5-0915-1	L1678061-40	WO	N	1	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	0.14	1.4 J	1.4 J	PG/L	TR
BA3B-WO5-0915-1	L1678061-40	WO	N	1	2,2',3,4',5,5',6-HEPTACHLOROBIPHENYL	0.093	0.31 J	0.31 J	PG/L	TR
BA3B-WO5-0915-1	L1678061-40	WO	N	1	2,2',3,4',5',6-HEXACHLOROBIPHENYL	0.14	1.4 J	1.4 J	PG/L	TR
BA3B-WO5-0915-1	L1678061-40	WO	N	1	2,2',3,4,5'-PENTACHLOROBIPHENYL/2,3',4,4',6-Pentachlorobiphenyl	0.13	3.9 J	3.9 J	PG/L	TR
BA3B-WO5-0915-1	L1678061-40	WO	N	1	2,2',3,5,5',6-HEXACHLOROBIPHENYL	0.091	1.3 J	1.3 J	PG/L	TR
BA3B-WO5-0915-1	L1678061-40	WO	N	1	2,2',3,5'-TETRACHLOROBIPHENYL	0.15	8.2 J,B	8.2 J	PG/L	B1/TR

Automated Data Review Detail Report for L1678061

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Detected Results

Test Method: E1668C		Extraction Method: METHOD			Leach Method: NONE					
FieldSample ID	LabSample ID	Matrix	Type	Dilution	Analyte	MDL	Lab Result	Qualified Result	Units	Reason
BA3B-WO5-0915-1	L1678061-40	WO	N	1	2,2',4,4',5,5'- HEXACHLOROBIPHENYL/2,3',4,4',5',6- HEXACHLOROBIPHENYL	0.11	1.5 J	1.5 J	PG/L	TR
BA3B-WO5-0915-1	L1678061-40	WO	N	1	2,2',4,4',5-PENTACHLOROBIPHENYL	0.16	1.8 J,M	1.8 J	PG/L	TR/G4
BA3B-WO5-0915-1	L1678061-40	WO	N	1	2,2',4,5,5'-PENTACHLOROBIPHENYL	0.15	4.0 J	4.0 J	PG/L	TR
BA3B-WO5-0915-1	L1678061-40	WO	N	1	2,2',4,5'-TETRACHLOROBIPHENYL	0.15	4.5 J	4.5 J	PG/L	TR
BA3B-WO5-0915-1	L1678061-40	WO	N	1	2,2',5,5'-TETRACHLOROBIPHENYL	0.17	5.0 J,B	5.0 J	PG/L	B1/TR
BA3B-WO5-0915-1	L1678061-40	WO	N	1	2,2',5-TRICHLOROBIPHENYL	0.26	2.8 J,M	2.8 J	PG/L	TR/G4
BA3B-WO5-0915-1	L1678061-40	WO	N	1	2,3,3',4,4',5- Hexachlorobiphenyl/2,3,3',4,4',5'- Hexachlorobiphenyl	0.14	0.19 J	0.19 J	PG/L	TR
BA3B-WO5-0915-1	L1678061-40	WO	N	1	2,3,3',4,4',6-HEXACHLOROBIPHENYL	0.10	0.29 J	0.29 J	PG/L	TR
BA3B-WO5-0915-1	L1678061-40	WO	N	1	2,3,3',4,4'-PENTACHLOROBIPHENYL	0.10	0.79 J	0.79 J	PG/L	TR
BA3B-WO5-0915-1	L1678061-40	WO	N	1	2,3,3',4',6-PENTACHLOROBIPHENYL	0.12	3.2 J,M	3.2 J	PG/L	B1/TR/G4
BA3B-WO5-0915-1	L1678061-40	WO	N	1	2,3',4,4',5,5'-HEXACHLOROBIPHENYL	0.10	0.15 J	0.15 J	PG/L	TR
BA3B-WO5-0915-1	L1678061-40	WO	N	1	2,3,4,4',5-PENTACHLOROBIPHENYL	0.096	0.32 J,M	0.32 J	PG/L	TR/G4
BA3B-WO5-0915-1	L1678061-40	WO	N	1	2',3,4,4',5-PENTACHLOROBIPHENYL	0.10	0.36 J,M	0.36 J	PG/L	TR/G4
BA3B-WO5-0915-1	L1678061-40	WO	N	1	2,3',4,4',5-PENTACHLOROBIPHENYL	0.097	1.4 J,M	1.4 J	PG/L	TR/G4
BA3B-WO5-0915-1	L1678061-40	WO	N	1	2,3',4,4'-TETRACHLOROBIPHENYL	0.29	2.3 J	2.3 J	PG/L	TR
BA3B-WO5-0915-1	L1678061-40	WO	N	1	2,4,4'-TRICHLOROBIPHENYL	0.37	4.4 J	4.4 J	PG/L	TR
BA3B-WO5-0915-1	L1678061-40	WO	N	1	2,4',5-TRICHLOROBIPHENYL	0.37	3.5 J	3.5 J	PG/L	TR
BA3B-WO5-0915-1	L1678061-40	WO	N	1	3,4,4'-TRICHLOROBIPHENYL	0.34	0.46 J	0.46 J	PG/L	TR
BA3B-WO5-0915-1	L1678061-40	WO	N	1	PCB061/070/074/076	0.28	6.1 J	6.1 J	PG/L	B1/TR
BA3B-WO80-0915-1	L1678061-41	WO	N	1	2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	0.084	0.40 J,M	0.40 J	PG/L	TR/G4
BA3B-WO80-0915-1	L1678061-41	WO	N	1	2,2',3,3',4,4',5- HEPTACHLOROBIPHENYL	0.081	0.15 J,M	0.15 J	PG/L	TR/G4
BA3B-WO80-0915-1	L1678061-41	WO	N	1	2,2',3,3',4,4'-HEXACHLOROBIPHENYL	0.10	0.19 J	0.19 J	PG/L	TR
BA3B-WO80-0915-1	L1678061-41	WO	N	1	2,2',3,4,4',5,5'- HEPTACHLOROBIPHENYL	0.065	0.34 J	0.34 J	PG/L	TR
BA3B-WO80-0915-1	L1678061-41	WO	N	1	2,2',3,4,4',5',6- HEPTACHLOROBIPHENYL	0.076	0.12 J,M	0.12 J	PG/L	TR/G4

Automated Data Review Detail Report for L1678061

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Detected Results

Test Method: E1668C		Extraction Method: METHOD			Leach Method: NONE					
FieldSample ID	LabSample ID	Matrix	Type	Dilution	Analyte	MDL	Lab Result	Qualified Result	Units	Reason
BA3B-WO80-0915-1	L1678061-41	WO	N	1	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	0.11	1.2 J	1.2 J	PG/L	TR
BA3B-WO80-0915-1	L1678061-41	WO	N	1	2,2',3,4',5,5',6-HEPTACHLOROBIPHENYL	0.068	0.17 J,M	0.17 J	PG/L	TR/G4
BA3B-WO80-0915-1	L1678061-41	WO	N	1	2,2',3,4',5',6-HEXACHLOROBIPHENYL	0.12	0.93 J	0.93 J	PG/L	TR
BA3B-WO80-0915-1	L1678061-41	WO	N	1	2,2',3,4,5'-PENTACHLOROBIPHENYL/2,3',4,4',6-Pentachlorobiphenyl	0.14	0.77 J,M	0.77 J	PG/L	TR/G4
BA3B-WO80-0915-1	L1678061-41	WO	N	1	2,2',3,5,5',6-HEXACHLOROBIPHENYL	0.081	0.47 J	0.47 J	PG/L	TR
BA3B-WO80-0915-1	L1678061-41	WO	N	1	2,2',4,4',5,5'-HEXACHLOROBIPHENYL/2,3',4,4',5',6-HEXACHLOROBIPHENYL	0.095	0.97 J,M	0.97 J	PG/L	TR/G4
BA3B-WO80-0915-1	L1678061-41	WO	N	1	2,2',4,4',5-PENTACHLOROBIPHENYL	0.16	0.92 J	0.92 J	PG/L	TR
BA3B-WO80-0915-1	L1678061-41	WO	N	1	2,2',4,5,5'-PENTACHLOROBIPHENYL	0.15	1.8 J	1.8 J	PG/L	TR
BA3B-WO80-0915-1	L1678061-41	WO	N	1	2,2',4,5'-TETRACHLOROBIPHENYL	0.15	1.3 J	1.3 J	PG/L	TR
BA3B-WO80-0915-1	L1678061-41	WO	N	1	2,2',5,5'-TETRACHLOROBIPHENYL	0.17	2.8 J,B	2.8 J	PG/L	B1/TR
BA3B-WO80-0915-1	L1678061-41	WO	N	1	2,2',5-TRICHLOROBIPHENYL	0.20	1.8 J	1.8 J	PG/L	TR
BA3B-WO80-0915-1	L1678061-41	WO	N	1	2,3,3',4,4',6-HEXACHLOROBIPHENYL	0.083	0.10 J	0.10 J	PG/L	TR
BA3B-WO80-0915-1	L1678061-41	WO	N	1	2,3,3',4,4'-PENTACHLOROBIPHENYL	0.10	0.53 J	0.53 J	PG/L	TR
BA3B-WO80-0915-1	L1678061-41	WO	N	1	2,3,3',4',6-PENTACHLOROBIPHENYL	0.12	2.4 J,M	2.4 J	PG/L	B1/TR/G4
BA3B-WO80-0915-1	L1678061-41	WO	N	1	2,3',4,4',5-PENTACHLOROBIPHENYL	0.096	1.4 J	1.4 J	PG/L	TR
BA3B-WO80-0915-1	L1678061-41	WO	N	1	2,3',4,4'-TETRACHLOROBIPHENYL	0.20	1.8 J	1.8 J	PG/L	TR
BA3B-WO80-0915-1	L1678061-41	WO	N	1	2,4,4'-TRICHLOROBIPHENYL	0.21	2.6 J	2.6 J	PG/L	TR
BA3B-WO80-0915-1	L1678061-41	WO	N	1	2,4',5-TRICHLOROBIPHENYL	0.21	2.2 J	2.2 J	PG/L	TR
BA3B-WO80-0915-1	L1678061-41	WO	N	1	2,4'-DICHLOROBIPHENYL	0.61	2.0 J,M	2.0 J	PG/L	TR/G4
BA3B-WO80-0915-1	L1678061-41	WO	N	1	3,4,4'-TRICHLOROBIPHENYL	0.24	0.44 J	0.44 J	PG/L	TR
BA3B-WO80-0915-1	L1678061-41	WO	N	1	PCB061/070/074/076	0.20	2.6 J	2.6 J	PG/L	B1/TR
BA4DC-WO20-0915-1	L1678061-38	WO	N	1	2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	0.14	0.38 J,M	0.38 J	PG/L	TR/G4
BA4DC-WO20-0915-1	L1678061-38	WO	N	1	2,2',3,4,4',5,5'-HEPTACHLOROBIPHENYL	0.16	0.30 J,M	0.30 J	PG/L	TR/G4
BA4DC-WO20-0915-1	L1678061-38	WO	N	1	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	0.18	1.2 J,M	1.2 J	PG/L	TR/G4
BA4DC-WO20-0915-1	L1678061-38	WO	N	1	2,2',3,4',5',6-HEXACHLOROBIPHENYL	0.20	1.0 J	1.0 J	PG/L	TR

Automated Data Review Detail Report for L1678061

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Detected Results

Test Method: E1668C		Extraction Method: METHOD			Leach Method: NONE					
FieldSample ID	LabSample ID	Matrix	Type	Dilution	Analyte	MDL	Lab Result	Qualified Result	Units	Reason
BA4DC-WO20-0915-1	L1678061-38	WO	N	1	2,2',3,4,5'-PENTACHLOROBIPHENYL/2,3',4,4',6-Pentachlorobiphenyl	0.32	1.3 J,M	1.3 J	PG/L	TR/G4
BA4DC-WO20-0915-1	L1678061-38	WO	N	1	2,2',3,5'-TETRACHLOROBIPHENYL	0.36	5.2 J,B	5.2 J	PG/L	B1/TR
BA4DC-WO20-0915-1	L1678061-38	WO	N	1	2,2',4,4',5,5'-HEXACHLOROBIPHENYL/2,3',4,4',5',6-HEXACHLOROBIPHENYL	0.16	1.1 J,M	1.1 J	PG/L	TR/G4
BA4DC-WO20-0915-1	L1678061-38	WO	N	1	2,2',4,4',5-PENTACHLOROBIPHENYL	0.38	1.4 J	1.4 J	PG/L	TR
BA4DC-WO20-0915-1	L1678061-38	WO	N	1	2,2',4,5,5'-PENTACHLOROBIPHENYL	0.35	2.7 J	2.7 J	PG/L	TR
BA4DC-WO20-0915-1	L1678061-38	WO	N	1	2,2',4,5'-TETRACHLOROBIPHENYL	0.34	1.8 J	1.8 J	PG/L	TR
BA4DC-WO20-0915-1	L1678061-38	WO	N	1	2,2',5,5'-TETRACHLOROBIPHENYL	0.45	3.2 J,M	3.2 J	PG/L	B1/TR/G4
BA4DC-WO20-0915-1	L1678061-38	WO	N	1	2,2',5-TRICHLOROBIPHENYL	0.51	1.8 J	1.8 J	PG/L	TR
BA4DC-WO20-0915-1	L1678061-38	WO	N	1	2,3,3',4,4'-PENTACHLOROBIPHENYL	0.29	0.96 J,M	0.96 J	PG/L	TR/G4
BA4DC-WO20-0915-1	L1678061-38	WO	N	1	2,3,3',4',6-PENTACHLOROBIPHENYL	0.29	2.8 J	2.8 J	PG/L	B1/TR
BA4DC-WO20-0915-1	L1678061-38	WO	N	1	2,3',4,4',5-PENTACHLOROBIPHENYL	0.29	2.1 J	2.1 J	PG/L	TR
BA4DC-WO20-0915-1	L1678061-38	WO	N	1	2,3',4,4'-TETRACHLOROBIPHENYL	0.34	2.6 J	2.6 J	PG/L	TR
BA4DC-WO20-0915-1	L1678061-38	WO	N	1	2,4,4'-TRICHLOROBIPHENYL	0.63	2.8 J	2.8 J	PG/L	TR
BA4DC-WO20-0915-1	L1678061-38	WO	N	1	2,4',5-TRICHLOROBIPHENYL	0.63	2.0 J	2.0 J	PG/L	TR
BA4DC-WO20-0915-1	L1678061-38	WO	N	1	PCB061/070/074/076	0.33	3.6 J	3.6 J	PG/L	B1/TR
BA4DC-WO35-0915-1	L1678061-39	WO	N	1	2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	0.073	0.62 J	0.62 J	PG/L	TR
BA4DC-WO35-0915-1	L1678061-39	WO	N	1	2,2',3,3',4,4',5,5'-OCTACHLOROBIPHENYL	0.086	0.099 J,M	0.099 J	PG/L	TR/G4
BA4DC-WO35-0915-1	L1678061-39	WO	N	1	2,2',3,3',4,4',5-HEPTACHLOROBIPHENYL	0.080	0.36 J	0.36 J	PG/L	TR
BA4DC-WO35-0915-1	L1678061-39	WO	N	1	2,2',3,3',4,4'-HEXACHLOROBIPHENYL	0.095	0.45 J,M	0.45 J	PG/L	TR/G4
BA4DC-WO35-0915-1	L1678061-39	WO	N	1	2,2',3,3',4,5',6'-HEPTACHLOROBIPHENYL	0.085	0.33 J,M	0.33 J	PG/L	TR/G4
BA4DC-WO35-0915-1	L1678061-39	WO	N	1	2,2',3,4,4',5,5',6-OCTACHLOROBIPHENYL	0.075	0.14 J	0.14 J	PG/L	TR
BA4DC-WO35-0915-1	L1678061-39	WO	N	1	2,2',3,4,4',5,5'-HEPTACHLOROBIPHENYL	0.064	1.0 J	1.0 J	PG/L	TR
BA4DC-WO35-0915-1	L1678061-39	WO	N	1	2,2',3,4,4',5',6-HEPTACHLOROBIPHENYL	0.075	0.39 J	0.39 J	PG/L	TR

Automated Data Review Detail Report for L1678061

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Detected Results

Test Method: E1668C		Extraction Method: METHOD			Leach Method: NONE					
FieldSample ID	LabSample ID	Matrix	Type	Dilution	Analyte	MDL	Lab Result	Qualified Result	Units	Reason
BA4DC-WO35-0915-1	L1678061-39	WO	N	1	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	0.11	4.1 J	4.1 J	PG/L	TR
BA4DC-WO35-0915-1	L1678061-39	WO	N	1	2,2',3,4',5,5',6-HEPTACHLOROBIPHENYL	0.067	0.59 J,M	0.59 J	PG/L	TR/G4
BA4DC-WO35-0915-1	L1678061-39	WO	N	1	2,2',3,4',5',6-HEXACHLOROBIPHENYL	0.11	3.1 J	3.1 J	PG/L	TR
BA4DC-WO35-0915-1	L1678061-39	WO	N	1	2,2',3,4,5'-PENTACHLOROBIPHENYL/2,3',4,4',6-Pentachlorobiphenyl	0.13	2.6 J,M	2.6 J	PG/L	TR/G4
BA4DC-WO35-0915-1	L1678061-39	WO	N	1	2,2',3,5,5',6-HEXACHLOROBIPHENYL	0.086	1.3 J,M	1.3 J	PG/L	TR/G4
BA4DC-WO35-0915-1	L1678061-39	WO	N	1	2,2',3,5'-TETRACHLOROBIPHENYL	0.26	8.6 J,B	8.6 J	PG/L	B1/TR
BA4DC-WO35-0915-1	L1678061-39	WO	N	1	2,2',4,4',5,5'-HEXACHLOROBIPHENYL/2,3',4,4',5',6-HEXACHLOROBIPHENYL	0.088	3.5 J	3.5 J	PG/L	TR
BA4DC-WO35-0915-1	L1678061-39	WO	N	1	2,2',4,4',5-PENTACHLOROBIPHENYL	0.15	3.8 J	3.8 J	PG/L	TR
BA4DC-WO35-0915-1	L1678061-39	WO	N	1	2,2',4,5,5'-PENTACHLOROBIPHENYL	0.14	6.8 J	6.8 J	PG/L	TR
BA4DC-WO35-0915-1	L1678061-39	WO	N	1	2,2',4,5'-TETRACHLOROBIPHENYL	0.25	4.3 J	4.3 J	PG/L	TR
BA4DC-WO35-0915-1	L1678061-39	WO	N	1	2,2',5,5'-TETRACHLOROBIPHENYL	0.30	7.8 J,B	7.8 J	PG/L	B1/TR
BA4DC-WO35-0915-1	L1678061-39	WO	N	1	2,2',5-TRICHLOROBIPHENYL	0.39	2.5 J	2.5 J	PG/L	TR
BA4DC-WO35-0915-1	L1678061-39	WO	N	1	2,3,3',4,4',5'-Hexachlorobiphenyl/2,3,3',4,4',5'-Hexachlorobiphenyl	0.11	0.38 J	0.38 J	PG/L	TR
BA4DC-WO35-0915-1	L1678061-39	WO	N	1	2,3,3',4,4',6-HEXACHLOROBIPHENYL	0.077	0.36 J,M	0.36 J	PG/L	TR/G4
BA4DC-WO35-0915-1	L1678061-39	WO	N	1	2,3,3',4,4'-PENTACHLOROBIPHENYL	0.12	2.3 J	2.3 J	PG/L	TR
BA4DC-WO35-0915-1	L1678061-39	WO	N	1	2,3,3',4',6-PENTACHLOROBIPHENYL	0.12	8.2 J	8.2 J	PG/L	B1/TR
BA4DC-WO35-0915-1	L1678061-39	WO	N	1	2,3',4,4',5,5'-HEXACHLOROBIPHENYL	0.076	0.14 J,M	0.14 J	PG/L	TR/G4
BA4DC-WO35-0915-1	L1678061-39	WO	N	1	2,3',4,4',5-PENTACHLOROBIPHENYL	0.12	5.6 J	5.6 J	PG/L	TR
BA4DC-WO35-0915-1	L1678061-39	WO	N	1	2,3',4,4'-TETRACHLOROBIPHENYL	0.22	7.3 J	7.3 J	PG/L	TR
BA4DC-WO35-0915-1	L1678061-39	WO	N	1	2,4,4'-TRICHLOROBIPHENYL	0.31	6.0 J	6.0 J	PG/L	TR
BA4DC-WO35-0915-1	L1678061-39	WO	N	1	2,4',5-TRICHLOROBIPHENYL	0.31	4.6 J	4.6 J	PG/L	TR
BA4DC-WO35-0915-1	L1678061-39	WO	N	1	2,4'-DICHLOROBIPHENYL	1.5	2.8 J,M	2.8 J	PG/L	TR/G4
BA4DC-WO35-0915-1	L1678061-39	WO	N	1	3,3',4,4'-TETRACHLOROBIPHENYL	0.21	0.47 J	0.47 J	PG/L	TR
BA4DC-WO35-0915-1	L1678061-39	WO	N	1	3,4,4'-TRICHLOROBIPHENYL	0.33	0.86 J,M	0.86 J	PG/L	TR/G4

Automated Data Review Detail Report for L1678061

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Detected Results

Test Method: E1668C		Extraction Method: METHOD			Leach Method: NONE					
FieldSample ID	LabSample ID	Matrix	Type	Dilution	Analyte	MDL	Lab Result	Qualified Result	Units	Reason
BA4DC-WO35-0915-1	L1678061-39	WO	N	1	PCB061/070/074/076	0.22	11.5 J	11.5 J	PG/L	B1/TR
BA4DC-WO5-0915-1	L1678061-37	WO	N	1	2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	0.16	0.51 J	0.51 J	PG/L	TR
BA4DC-WO5-0915-1	L1678061-37	WO	N	1	2,2',3,3',4,4'-HEXACHLOROBIPHENYL	0.24	0.35 J,M	0.35 J	PG/L	TR/G4
BA4DC-WO5-0915-1	L1678061-37	WO	N	1	2,2',3,4,4',5,5'-HEPTACHLOROBIPHENYL	0.17	0.31 J,M	0.31 J	PG/L	TR/G4
BA4DC-WO5-0915-1	L1678061-37	WO	N	1	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	0.25	1.1 J,M	1.1 J	PG/L	TR/G4
BA4DC-WO5-0915-1	L1678061-37	WO	N	1	2,2',3,4',5',6-HEXACHLOROBIPHENYL	0.27	1.1 J	1.1 J	PG/L	TR
BA4DC-WO5-0915-1	L1678061-37	WO	N	1	2,2',3,4,5'-PENTACHLOROBIPHENYL/2,3',4,4',6-Pentachlorobiphenyl	0.38	1.6 J	1.6 J	PG/L	TR
BA4DC-WO5-0915-1	L1678061-37	WO	N	1	2,2',4,4',5,5'-HEXACHLOROBIPHENYL/2,3',4,4',5',6-HEXACHLOROBIPHENYL	0.22	1.2 J	1.2 J	PG/L	TR
BA4DC-WO5-0915-1	L1678061-37	WO	N	1	2,2',4,4',5-PENTACHLOROBIPHENYL	0.45	1.5 J,M	1.5 J	PG/L	TR/G4
BA4DC-WO5-0915-1	L1678061-37	WO	N	1	2,2',4,5,5'-PENTACHLOROBIPHENYL	0.41	1.8 J,M	1.8 J	PG/L	TR/G4
BA4DC-WO5-0915-1	L1678061-37	WO	N	1	2,2',4,5'-TETRACHLOROBIPHENYL	0.40	1.9 J	1.9 J	PG/L	TR
BA4DC-WO5-0915-1	L1678061-37	WO	N	1	2,2',5,5'-TETRACHLOROBIPHENYL	0.53	3.5 J,B	3.5 J	PG/L	B1/TR
BA4DC-WO5-0915-1	L1678061-37	WO	N	1	2,2',5-TRICHLOROBIPHENYL	0.76	1.9 J	1.9 J	PG/L	TR
BA4DC-WO5-0915-1	L1678061-37	WO	N	1	2,3,3',4,4'-PENTACHLOROBIPHENYL	0.30	0.79 J,M	0.79 J	PG/L	TR/G4
BA4DC-WO5-0915-1	L1678061-37	WO	N	1	2,3,3',4',6-PENTACHLOROBIPHENYL	0.35	2.2 J	2.2 J	PG/L	B1/TR
BA4DC-WO5-0915-1	L1678061-37	WO	N	1	2,3',4,4',5-PENTACHLOROBIPHENYL	0.27	1.2 J,M	1.2 J	PG/L	TR/G4
BA4DC-WO5-0915-1	L1678061-37	WO	N	1	2,3',4,4'-TETRACHLOROBIPHENYL	0.44	2.2 J	2.2 J	PG/L	TR
BA4DC-WO5-0915-1	L1678061-37	WO	N	1	2,4,4'-TRICHLOROBIPHENYL	0.66	3.2 J	3.2 J	PG/L	TR
BA4DC-WO5-0915-1	L1678061-37	WO	N	1	2,4',5-TRICHLOROBIPHENYL	0.65	2.4 J	2.4 J	PG/L	TR
BA4DC-WO5-0915-1	L1678061-37	WO	N	1	PCB061/070/074/076	0.42	3.1 J,M	3.1 J	PG/L	B1/TR/G4
BA5B-WO145-0915-1	L1678061-3	WO	N	1	2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	0.18	0.62 J,M	0.62 J	PG/L	K1/TR/G4
BA5B-WO145-0915-1	L1678061-3	WO	N	1	2,2',3,3',4,4'-HEXACHLOROBIPHENYL	0.30	0.69 J,M	0.69 J	PG/L	TR/G4
BA5B-WO145-0915-1	L1678061-3	WO	N	1	2,2',3,4,4',5,5',6-OCTACHLOROBIPHENYL	0.22	0.48 J	0.48 J	PG/L	TR
BA5B-WO145-0915-1	L1678061-3	WO	N	1	2,2',3,4,4',5,5'-HEPTACHLOROBIPHENYL	0.84	2.2 J	2.2 J	PG/L	TR

Automated Data Review Detail Report for L1678061

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Detected Results

Test Method: E1668C		Extraction Method: METHOD			Leach Method: NONE					
FieldSample ID	LabSample ID	Matrix	Type	Dilution	Analyte	MDL	Lab Result	Qualified Result	Units	Reason
BA5B-WO145-0915-1	L1678061-3	WO	N	1	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	0.34	6.1 J	6.1 J	PG/L	K1/TR
BA5B-WO145-0915-1	L1678061-3	WO	N	1	2,2',3,4',5',6-HEXACHLOROBIPHENYL	0.33	2.7 J,M	2.7 J	PG/L	K1/TR/G4
BA5B-WO145-0915-1	L1678061-3	WO	N	1	2,2',3,4,5'-PENTACHLOROBIPHENYL/2,3',4,4',6-Pentachlorobiphenyl	0.85	3.0 J	3.0 J	PG/L	TR
BA5B-WO145-0915-1	L1678061-3	WO	N	1	2,2',3,5'-TETRACHLOROBIPHENYL	0.78	7.7 J	7.7 J	PG/L	K1/TR
BA5B-WO145-0915-1	L1678061-3	WO	N	1	2,2',4,4',5,5'-HEXACHLOROBIPHENYL/2,3',4,4',5',6-HEXACHLOROBIPHENYL	0.27	3.3 J,M	3.3 J	PG/L	K1/TR/G4
BA5B-WO145-0915-1	L1678061-3	WO	N	1	2,2',4,4',5-PENTACHLOROBIPHENYL	1.0	4.1 J	4.1 J	PG/L	TR
BA5B-WO145-0915-1	L1678061-3	WO	N	1	2,2',4,5,5'-PENTACHLOROBIPHENYL	0.91	7.0 J	7.0 J	PG/L	K1/TR
BA5B-WO145-0915-1	L1678061-3	WO	N	1	2,2',4,5'-TETRACHLOROBIPHENYL	0.71	3.9 J	3.9 J	PG/L	K1/TR
BA5B-WO145-0915-1	L1678061-3	WO	N	1	2,2',5,5'-TETRACHLOROBIPHENYL	0.87	8.0 J	8.0 j	PG/L	K1/TR
BA5B-WO145-0915-1	L1678061-3	WO	N	1	2,2',5-TRICHLOROBIPHENYL	2.3	2.4 J,M	2.4 J	PG/L	TR/G4
BA5B-WO145-0915-1	L1678061-3	WO	N	1	2,3,3',4,4',5'-Hexachlorobiphenyl/2,3,3',4,4',5'-Hexachlorobiphenyl	0.35	0.69 J	0.69 J	PG/L	TR
BA5B-WO145-0915-1	L1678061-3	WO	N	1	2,3,3',4,4'-PENTACHLOROBIPHENYL	0.60	2.3 J	2.3 J	PG/L	TR
BA5B-WO145-0915-1	L1678061-3	WO	N	1	2,3,3',4',6-PENTACHLOROBIPHENYL	0.79	7.3 J	7.3 J	PG/L	K1/TR
BA5B-WO145-0915-1	L1678061-3	WO	N	1	2,3',4,4',5-PENTACHLOROBIPHENYL	0.59	4.2 J,M	4.2 J	PG/L	K1/TR/G4
BA5B-WO145-0915-1	L1678061-3	WO	N	1	2,3',4,4'-TETRACHLOROBIPHENYL	0.46	6.0 J,M	6.0 J	PG/L	TR/G4
BA5B-WO145-0915-1	L1678061-3	WO	N	1	2,4,4'-TRICHLOROBIPHENYL	2.3	5.6 J	5.6 J	PG/L	TR
BA5B-WO145-0915-1	L1678061-3	WO	N	1	2,4',5-TRICHLOROBIPHENYL	2.2	3.0 J,M	3.0 J	PG/L	TR/G4
BA5B-WO145-0915-1	L1678061-3	WO	N	1	PCB061/070/074/076	0.45	9.4 J	9.4 J	PG/L	K1/TR
BA5B-WO5-0915-1	L1678061-1	WO	N	1	2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	0.48	0.55 J,M	0.55 J	PG/L	K1/TR/G4
BA5B-WO5-0915-1	L1678061-1	WO	N	1	2,2',3,5,5',6-HEXACHLOROBIPHENYL	0.62	0.95 J,M	0.95 J	PG/L	TR/G4
BA5B-WO5-0915-1	L1678061-1	WO	N	1	2,2',3,5'-TETRACHLOROBIPHENYL	1.4	4.0 J,M	4.0 J	PG/L	K1/TR/G4
BA5B-WO5-0915-1	L1678061-1	WO	N	1	2,2',4,5,5'-PENTACHLOROBIPHENYL	2.0	4.5 J	4.5 J	PG/L	K1/TR
BA5B-WO5-0915-1	L1678061-1	WO	N	1	2,2',4,5'-TETRACHLOROBIPHENYL	1.3	1.9 J,M	1.9 J	PG/L	K1/TR/G4
BA5B-WO5-0915-1	L1678061-1	WO	N	1	2,2',5,5'-TETRACHLOROBIPHENYL	1.6	4.1 J,M	4.1 J	PG/L	K1/TR/G4
BA5B-WO5-0915-1	L1678061-1	WO	N	1	2,3,3',4',6-PENTACHLOROBIPHENYL	1.7	4.2 J,M	4.2 J	PG/L	K1/TR/G4

Automated Data Review Detail Report for L1678061

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Detected Results

Test Method: E1668C		Extraction Method: METHOD			Leach Method: NONE					
FieldSample ID	LabSample ID	Matrix	Type	Dilution	Analyte	MDL	Lab Result	Qualified Result	Units	Reason
BA5B-WO5-0915-1	L1678061-1	WO	N	1	PCB061/070/074/076	1.1	3.4 J,M	3.4 J	PG/L	K1/TR/G4
BA5B-WO75-0915-1	L1678061-2	WO	N	1	2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	0.19	0.58 J,M	0.58 J	PG/L	K1/TR/G4
BA5B-WO75-0915-1	L1678061-2	WO	N	1	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	0.40	2.7 J,M	2.7 J	PG/L	K1/TR/G4
BA5B-WO75-0915-1	L1678061-2	WO	N	1	2,2',3,4',5',6-HEXACHLOROBIPHENYL	0.38	1.4 J,M	1.4 J	PG/L	K1/TR/G4
BA5B-WO75-0915-1	L1678061-2	WO	N	1	2,2',3,5'-TETRACHLOROBIPHENYL	0.64	5.9 J	5.9 J	PG/L	K1/TR
BA5B-WO75-0915-1	L1678061-2	WO	N	1	2,2',4,4',5,5'-HEXACHLOROBIPHENYL/2,3',4,4',5',6-HEXACHLOROBIPHENYL	0.32	1.5 J,M	1.5 J	PG/L	K1/TR/G4
BA5B-WO75-0915-1	L1678061-2	WO	N	1	2,2',4,4',5-PENTACHLOROBIPHENYL	1.2	2.5 J,M	2.5 J	PG/L	TR/G4
BA5B-WO75-0915-1	L1678061-2	WO	N	1	2,2',4,5,5'-PENTACHLOROBIPHENYL	1.1	4.3 J	4.3 J	PG/L	K1/TR
BA5B-WO75-0915-1	L1678061-2	WO	N	1	2,2',4,5'-TETRACHLOROBIPHENYL	0.59	2.8 J	2.8 J	PG/L	K1/TR
BA5B-WO75-0915-1	L1678061-2	WO	N	1	2,2',5,5'-TETRACHLOROBIPHENYL	0.72	4.8 J	4.8 j	PG/L	K1/TR
BA5B-WO75-0915-1	L1678061-2	WO	N	1	2,3,3',4',6-PENTACHLOROBIPHENYL	0.95	4.1 J	4.1 J	PG/L	K1/TR
BA5B-WO75-0915-1	L1678061-2	WO	N	1	2,3',4,4',5-PENTACHLOROBIPHENYL	0.77	3.0 J,M	3.0 J	PG/L	K1/TR/G4
BA5B-WO75-0915-1	L1678061-2	WO	N	1	2,3',4,4'-TETRACHLOROBIPHENYL	0.63	3.5 J,M	3.5 J	PG/L	TR/G4
BA5B-WO75-0915-1	L1678061-2	WO	N	1	PCB061/070/074/076	0.62	5.7 J	5.7 J	PG/L	K1/TR
BA5C-WO30-0915-1	L1678061-5	WO	N	1	2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	0.16	0.44 J,M	0.44 J	PG/L	K1/TR/G4
BA5C-WO30-0915-1	L1678061-5	WO	N	1	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	0.33	1.4 J,M	1.4 J	PG/L	K1/TR/G4
BA5C-WO30-0915-1	L1678061-5	WO	N	1	2,2',3,4',5',6-HEXACHLOROBIPHENYL	0.31	1.2 J,M	1.2 J	PG/L	K1/TR/G4
BA5C-WO30-0915-1	L1678061-5	WO	N	1	2,2',3,5'-TETRACHLOROBIPHENYL	0.60	4.0 J	4.0 J	PG/L	K1/TR
BA5C-WO30-0915-1	L1678061-5	WO	N	1	2,2',4,4',5,5'-HEXACHLOROBIPHENYL/2,3',4,4',5',6-HEXACHLOROBIPHENYL	0.26	0.97 J	0.97 J	PG/L	K1/TR
BA5C-WO30-0915-1	L1678061-5	WO	N	1	2,2',4,5,5'-PENTACHLOROBIPHENYL	0.93	2.2 J	2.2 J	PG/L	K1/TR
BA5C-WO30-0915-1	L1678061-5	WO	N	1	2,2',4,5'-TETRACHLOROBIPHENYL	0.54	1.8 J	1.8 J	PG/L	K1/TR
BA5C-WO30-0915-1	L1678061-5	WO	N	1	2,2',5,5'-TETRACHLOROBIPHENYL	0.67	2.9 J	2.9 j	PG/L	K1/TR
BA5C-WO30-0915-1	L1678061-5	WO	N	1	2,3,3',4,4'-PENTACHLOROBIPHENYL	0.56	0.71 J,M	0.71 J	PG/L	TR/G4
BA5C-WO30-0915-1	L1678061-5	WO	N	1	2,3,3',4',6-PENTACHLOROBIPHENYL	0.80	2.0 J	2.0 J	PG/L	K1/TR
BA5C-WO30-0915-1	L1678061-5	WO	N	1	2,3',4,4',5-PENTACHLOROBIPHENYL	0.53	1.8 J,M	1.8 J	PG/L	K1/TR/G4
BA5C-WO30-0915-1	L1678061-5	WO	N	1	2,3',4,4'-TETRACHLOROBIPHENYL	0.46	2.1 J	2.1 J	PG/L	TR

Automated Data Review Detail Report for L1678061

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Detected Results

Test Method: E1668C		Extraction Method: METHOD			Leach Method: NONE					
FieldSample ID	LabSample ID	Matrix	Type	Dilution	Analyte	MDL	Lab Result	Qualified Result	Units	Reason
BA5C-WO30-0915-1	L1678061-5	WO	N	1	PCB061/070/074/076	0.45	2.8 J,M	2.8 J	PG/L	K1/TR/G4
BA5C-WO5-0915-1	L1678061-4	WO	N	1	2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	0.22	0.47 J	0.47 J	PG/L	K1/TR
BA5C-WO5-0915-1	L1678061-4	WO	N	1	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	0.36	1.1 J	1.1 J	PG/L	K1/TR
BA5C-WO5-0915-1	L1678061-4	WO	N	1	2,2',3,4',5',6-HEXACHLOROBIPHENYL	0.35	1.1 J	1.1 J	PG/L	K1/TR
BA5C-WO5-0915-1	L1678061-4	WO	N	1	2,2',3,5'-TETRACHLOROBIPHENYL	0.64	5.1 J	5.1 J	PG/L	K1/TR
BA5C-WO5-0915-1	L1678061-4	WO	N	1	2,2',4,4',5,5'-HEXACHLOROBIPHENYL/2,3',4,4',5',6-HEXACHLOROBIPHENYL	0.28	1.3 J	1.3 J	PG/L	K1/TR
BA5C-WO5-0915-1	L1678061-4	WO	N	1	2,2',4,5,5'-PENTACHLOROBIPHENYL	0.99	1.2 J,M	1.2 J	PG/L	K1/TR/G4
BA5C-WO5-0915-1	L1678061-4	WO	N	1	2,2',4,5'-TETRACHLOROBIPHENYL	0.58	1.4 J	1.4 J	PG/L	K1/TR
BA5C-WO5-0915-1	L1678061-4	WO	N	1	2,2',5,5'-TETRACHLOROBIPHENYL	0.71	2.5 J	2.5 j	PG/L	K1/TR
BA5C-WO5-0915-1	L1678061-4	WO	N	1	2,3,3',4,4'-PENTACHLOROBIPHENYL	0.68	1.1 J,M	1.1 J	PG/L	TR/G4
BA5C-WO5-0915-1	L1678061-4	WO	N	1	2,3,3',4',6-PENTACHLOROBIPHENYL	0.85	1.4 J,M	1.4 J	PG/L	K1/TR/G4
BA5C-WO5-0915-1	L1678061-4	WO	N	1	PCB061/070/074/076	0.75	2.3 J	2.3 J	PG/L	K1/TR
BA5C-WO55-0915-1	L1678061-6	WO	N	1	2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	0.16	0.44 J,M	0.44 J	PG/L	K1/TR/G4
BA5C-WO55-0915-1	L1678061-6	WO	N	1	2,2',3,4,4',5,5'-HEPTACHLOROBIPHENYL	0.74	1.0 J	1.0 J	PG/L	TR
BA5C-WO55-0915-1	L1678061-6	WO	N	1	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	0.52	3.6 J,M	3.6 J	PG/L	K1/TR/G4
BA5C-WO55-0915-1	L1678061-6	WO	N	1	2,2',3,4',5',6-HEXACHLOROBIPHENYL	0.50	2.9 J	2.9 J	PG/L	K1/TR
BA5C-WO55-0915-1	L1678061-6	WO	N	1	2,2',3,4,5'-PENTACHLOROBIPHENYL/2,3',4,4',6-Pentachlorobiphenyl	0.89	1.7 J,M	1.7 J	PG/L	TR/G4
BA5C-WO55-0915-1	L1678061-6	WO	N	1	2,2',3,5,5',6-HEXACHLOROBIPHENYL	0.32	0.43 J,M	0.43 J	PG/L	TR/G4
BA5C-WO55-0915-1	L1678061-6	WO	N	1	2,2',3,5'-TETRACHLOROBIPHENYL	0.60	8.3 J	8.3 J	PG/L	K1/TR
BA5C-WO55-0915-1	L1678061-6	WO	N	1	2,2',4,4',5,5'-HEXACHLOROBIPHENYL/2,3',4,4',5',6-HEXACHLOROBIPHENYL	0.41	2.8 J	2.8 J	PG/L	K1/TR
BA5C-WO55-0915-1	L1678061-6	WO	N	1	2,2',4,4',5-PENTACHLOROBIPHENYL	1.1	3.8 J	3.8 J	PG/L	TR
BA5C-WO55-0915-1	L1678061-6	WO	N	1	2,2',4,5,5'-PENTACHLOROBIPHENYL	0.96	5.7 J	5.7 J	PG/L	K1/TR
BA5C-WO55-0915-1	L1678061-6	WO	N	1	2,2',4,5'-TETRACHLOROBIPHENYL	0.55	3.0 J	3.0 J	PG/L	K1/TR
BA5C-WO55-0915-1	L1678061-6	WO	N	1	2,2',5,5'-TETRACHLOROBIPHENYL	0.68	7.2 J	7.2 j	PG/L	K1/TR

Automated Data Review Detail Report for L1678061

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Detected Results

Test Method: E1668C		Extraction Method: METHOD			Leach Method: NONE					
FieldSample ID	LabSample ID	Matrix	Type	Dilution	Analyte	MDL	Lab Result	Qualified Result	Units	Reason
BA5C-WO55-0915-1	L1678061-6	WO	N	1	2,3,3',4,4'-PENTACHLOROBIPHENYL	0.61	2.2 J	2.2 J	PG/L	TR
BA5C-WO55-0915-1	L1678061-6	WO	N	1	2,3,3',4',6-PENTACHLOROBIPHENYL	0.82	6.3 J	6.3 J	PG/L	K1/TR
BA5C-WO55-0915-1	L1678061-6	WO	N	1	2,3',4,4',5-PENTACHLOROBIPHENYL	0.65	3.4 J,M	3.4 J	PG/L	K1/TR/G4
BA5C-WO55-0915-1	L1678061-6	WO	N	1	2,3',4,4'-TETRACHLOROBIPHENYL	0.58	5.7 J	5.7 J	PG/L	TR
BA5C-WO55-0915-1	L1678061-6	WO	N	1	2,4,4'-TRICHLOROBIPHENYL	2.8	4.9 J,M	4.9 J	PG/L	TR/G4
BA5C-WO55-0915-1	L1678061-6	WO	N	1	2,4',5-TRICHLOROBIPHENYL	2.7	3.9 J,M	3.9 J	PG/L	TR/G4
BA5C-WO55-0915-1	L1678061-6	WO	N	1	PCB061/070/074/076	0.57	8.8 J	8.8 J	PG/L	K1/TR
BA5C-WO58-0915-1	L1678061-7	WO	N	1	2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	0.18	0.44 J,M	0.44 J	PG/L	K1/TR/G4/D5
BA5C-WO58-0915-1	L1678061-7	WO	N	1	2,2',3,3',4,4',5,5'-OCTACHLOROBIPHENYL	0.18	0.19 J,M	0.19 J	PG/L	TR/G4
BA5C-WO58-0915-1	L1678061-7	WO	N	1	2,2',3,3',4,4'-HEXACHLOROBIPHENYL	0.36	0.41 J,M	0.41 J	PG/L	TR/G4
BA5C-WO58-0915-1	L1678061-7	WO	N	1	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	0.40	4.1 J	4.1 J	PG/L	K1/TR
BA5C-WO58-0915-1	L1678061-7	WO	N	1	2,2',3,4',5',6-HEXACHLOROBIPHENYL	0.36	2.8 J	2.8 J	PG/L	K1/TR
BA5C-WO58-0915-1	L1678061-7	WO	N	1	2,2',3,4,5'-PENTACHLOROBIPHENYL/2,3',4,4',6-Pentachlorobiphenyl	0.47	4.5 J,M	4.5 J	PG/L	TR/G4
BA5C-WO58-0915-1	L1678061-7	WO	N	1	2,2',3,5',6-HEXACHLOROBIPHENYL	0.30	1.1 J	1.1 J	PG/L	TR
BA5C-WO58-0915-1	L1678061-7	WO	N	1	2,2',3,5'-TETRACHLOROBIPHENYL	0.45	10.4 J	10.4 J	PG/L	K1/TR
BA5C-WO58-0915-1	L1678061-7	WO	N	1	2,2',4,4',5,5'-HEXACHLOROBIPHENYL/2,3',4,4',5',6-HEXACHLOROBIPHENYL	0.29	2.2 J,M	2.2 J	PG/L	K1/TR/G4
BA5C-WO58-0915-1	L1678061-7	WO	N	1	2,2',4,4',5-PENTACHLOROBIPHENYL	0.58	4.7 J	4.7 J	PG/L	TR
BA5C-WO58-0915-1	L1678061-7	WO	N	1	2,2',4,5,5'-PENTACHLOROBIPHENYL	0.50	6.7 J	6.7 J	PG/L	K1/TR
BA5C-WO58-0915-1	L1678061-7	WO	N	1	2,2',4,5'-TETRACHLOROBIPHENYL	0.41	5.6 J	5.6 J	PG/L	K1/TR
BA5C-WO58-0915-1	L1678061-7	WO	N	1	2,2',5,5'-TETRACHLOROBIPHENYL	0.55	11.5 J	11.5 j	PG/L	K1/TR
BA5C-WO58-0915-1	L1678061-7	WO	N	1	2,2',5-TRICHLOROBIPHENYL	2.3	2.7 J,M	2.7 J	PG/L	TR/G4
BA5C-WO58-0915-1	L1678061-7	WO	N	1	2,3,3',4,4',5'-Hexachlorobiphenyl/2,3,3',4,4',5'-Hexachlorobiphenyl	0.36	0.60 J,M	0.60 J	PG/L	TR/G4
BA5C-WO58-0915-1	L1678061-7	WO	N	1	2,3,3',4,4'-PENTACHLOROBIPHENYL	0.47	3.2 J	3.2 J	PG/L	TR
BA5C-WO58-0915-1	L1678061-7	WO	N	1	2,3,3',4',6-PENTACHLOROBIPHENYL	0.44	7.8 J,M	7.8 J	PG/L	K1/TR/G4

Automated Data Review Detail Report for L1678061

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Detected Results

Test Method: E1668C		Extraction Method: METHOD			Leach Method: NONE					
FieldSample ID	LabSample ID	Matrix	Type	Dilution	Analyte	MDL	Lab Result	Qualified Result	Units	Reason
BA5C-WO58-0915-1	L1678061-7	WO	N	1	2,3',4,4',5-PENTACHLOROBIPHENYL	0.45	6.2 J	6.2 J	PG/L	K1/TR
BA5C-WO58-0915-1	L1678061-7	WO	N	1	2,3',4,4'-TETRACHLOROBIPHENYL	0.59	7.6 J,M	7.6 J	PG/L	TR/G4/D5
BA5C-WO58-0915-1	L1678061-7	WO	N	1	2,4,4'-TRICHLOROBIPHENYL	2.3	6.9 J	6.9 J	PG/L	TR
BA5C-WO58-0915-1	L1678061-7	WO	N	1	2,4',5-TRICHLOROBIPHENYL	2.3	5.6 J	5.6 J	PG/L	TR
BA5C-WO58-0915-1	L1678061-7	WO	N	1	PCB061/070/074/076	0.57	14.3 J	14.3 J	PG/L	K1/TR
BA5C-WO58-0915-2	L1678061-8	WO	FD	1	2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	0.19	0.71 J	0.71 J	PG/L	K1/TR/D5
BA5C-WO58-0915-2	L1678061-8	WO	FD	1	2,2',3,3',4,4',5,5'-OCTACHLOROBIPHENYL	0.22	0.26 J,M	0.26 J	PG/L	TR/G4
BA5C-WO58-0915-2	L1678061-8	WO	FD	1	2,2',3,3',4,4'-HEXACHLOROBIPHENYL	0.35	0.48 J	0.48 J	PG/L	TR
BA5C-WO58-0915-2	L1678061-8	WO	FD	1	2,2',3,4,4',5,5'-HEPTACHLOROBIPHENYL	0.72	0.94 J,M	0.94 J	PG/L	G4/TR/D5
BA5C-WO58-0915-2	L1678061-8	WO	FD	1	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	0.39	5.3 J	5.3 J	PG/L	K1/TR
BA5C-WO58-0915-2	L1678061-8	WO	FD	1	2,2',3,4',5',6-HEXACHLOROBIPHENYL	0.35	3.6 J	3.6 J	PG/L	K1/TR
BA5C-WO58-0915-2	L1678061-8	WO	FD	1	2,2',3,4,5'-PENTACHLOROBIPHENYL/2,3',4,4',6-Pentachlorobiphenyl	0.72	6.0 J	6.0 J	PG/L	TR
BA5C-WO58-0915-2	L1678061-8	WO	FD	1	2,2',3,5,5',6-HEXACHLOROBIPHENYL	0.31	1.4 J	1.4 J	PG/L	TR
BA5C-WO58-0915-2	L1678061-8	WO	FD	1	2,2',3,5'-TETRACHLOROBIPHENYL	0.56	12.1 J	12.1 J	PG/L	K1/TR
BA5C-WO58-0915-2	L1678061-8	WO	FD	1	2,2',4,4',5,5'-HEXACHLOROBIPHENYL/2,3',4,4',5',6-HEXACHLOROBIPHENYL	0.28	3.1 J	3.1 J	PG/L	K1/TR
BA5C-WO58-0915-2	L1678061-8	WO	FD	1	2,2',4,4',5-PENTACHLOROBIPHENYL	0.88	3.9 J,M	3.9 J	PG/L	TR/G4
BA5C-WO58-0915-2	L1678061-8	WO	FD	1	2,2',4,5,5'-PENTACHLOROBIPHENYL	0.76	8.1 J,M	8.1 J	PG/L	K1/TR/G4
BA5C-WO58-0915-2	L1678061-8	WO	FD	1	2,2',4,5'-TETRACHLOROBIPHENYL	0.50	6.4 J	6.4 J	PG/L	K1/TR
BA5C-WO58-0915-2	L1678061-8	WO	FD	1	2,2',5,5'-TETRACHLOROBIPHENYL	0.68	14.6 J	14.6 j	PG/L	K1/TR
BA5C-WO58-0915-2	L1678061-8	WO	FD	1	2,2',5-TRICHLOROBIPHENYL	3.4	3.9 J	3.9 J	PG/L	TR
BA5C-WO58-0915-2	L1678061-8	WO	FD	1	2,3,3',4,4',5-Hexachlorobiphenyl/2,3,3',4,4',5'-Hexachlorobiphenyl	0.36	0.47 J,M	0.47 J	PG/L	TR/G4
BA5C-WO58-0915-2	L1678061-8	WO	FD	1	2,3,3',4,4'-PENTACHLOROBIPHENYL	0.57	2.7 J,M	2.7 J	PG/L	TR/G4
BA5C-WO58-0915-2	L1678061-8	WO	FD	1	2,3,3',4',6-PENTACHLOROBIPHENYL	0.67	11.1 J	11.1 J	PG/L	K1/TR
BA5C-WO58-0915-2	L1678061-8	WO	FD	1	2,3',4,4',5-PENTACHLOROBIPHENYL	0.59	7.5 J	7.5 J	PG/L	K1/TR

Automated Data Review Detail Report for L1678061

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Detected Results

Test Method: E1668C		Extraction Method: METHOD			Leach Method: NONE					
FieldSample ID	LabSample ID	Matrix	Type	Dilution	Analyte	MDL	Lab Result	Qualified Result	Units	Reason
BA5C-WO58-0915-2	L1678061-8	WO	FD	1	2,3',4,4'-TETRACHLOROBIPHENYL	0.53	11.9 J	11.9 J	PG/L	TR/D5
BA5C-WO58-0915-2	L1678061-8	WO	FD	1	2,4,4'-TRICHLOROBIPHENYL	2.5	8.9 J	8.9 J	PG/L	TR
BA5C-WO58-0915-2	L1678061-8	WO	FD	1	2,4',5-TRICHLOROBIPHENYL	2.4	6.3 J	6.3 J	PG/L	TR
BA5C-WO58-0915-2	L1678061-8	WO	FD	1	PCB061/070/074/076	0.52	17.4 M	17.4 J	PG/L	K1
BA5DC-WO20-0915-1	L1678061-12	WO	N	1	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	0.26	1.1 J,M	1.1 J	PG/L	K1/TR/G4
BA5DC-WO20-0915-1	L1678061-12	WO	N	1	2,2',3,4',5',6-HEXACHLOROBIPHENYL	0.23	0.81 J	0.81 J	PG/L	K1/TR
BA5DC-WO20-0915-1	L1678061-12	WO	N	1	2,2',3,4,5'-PENTACHLOROBIPHENYL/2,3',4,4',6-Pentachlorobiphenyl	0.58	0.92 J	0.92 J	PG/L	TR
BA5DC-WO20-0915-1	L1678061-12	WO	N	1	2,2',3,5'-TETRACHLOROBIPHENYL	0.52	2.9 J	2.9 J	PG/L	K1/TR
BA5DC-WO20-0915-1	L1678061-12	WO	N	1	2,2',4,4',5,5'-HEXACHLOROBIPHENYL/2,3',4,4',5',6-HEXACHLOROBIPHENYL	0.19	0.71 J,M	0.71 J	PG/L	K1/TR/G4
BA5DC-WO20-0915-1	L1678061-12	WO	N	1	2,2',4,5,5'-PENTACHLOROBIPHENYL	0.61	1.3 J	1.3 J	PG/L	K1/TR
BA5DC-WO20-0915-1	L1678061-12	WO	N	1	2,2',5,5'-TETRACHLOROBIPHENYL	0.64	2.3 J	2.3 j	PG/L	K1/TR
BA5DC-WO20-0915-1	L1678061-12	WO	N	1	2,3,3',4,4'-PENTACHLOROBIPHENYL	0.37	0.73 J,M	0.73 J	PG/L	TR/G4
BA5DC-WO20-0915-1	L1678061-12	WO	N	1	2,3,3',4',6-PENTACHLOROBIPHENYL	0.54	1.2 J,M	1.2 J	PG/L	K1/TR/G4
BA5DC-WO20-0915-1	L1678061-12	WO	N	1	PCB061/070/074/076	0.51	1.8 J	1.8 J	PG/L	K1/TR
BA5DC-WO35-0915-1	L1678061-13	WO	N	1	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	1.3	3.2 J,M	3.2 J	PG/L	K1/TR/G4
BA5DC-WO35-0915-1	L1678061-13	WO	N	1	2,2',3,4',5',6-HEXACHLOROBIPHENYL	1.2	2.0 J	2.0 J	PG/L	K1/TR
BA5DC-WO35-0915-1	L1678061-13	WO	N	1	2,2',3,5'-TETRACHLOROBIPHENYL	3.6	8.1 J	8.1 J	PG/L	K1/TR
BA5DC-WO35-0915-1	L1678061-13	WO	N	1	2,2',4,4',5,5'-HEXACHLOROBIPHENYL/2,3',4,4',5',6-HEXACHLOROBIPHENYL	0.95	1.8 J,M	1.8 J	PG/L	K1/TR/G4
BA5DC-WO35-0915-1	L1678061-13	WO	N	1	2,2',4,5,5'-PENTACHLOROBIPHENYL	2.7	4.5 J,M	4.5 J	PG/L	K1/TR/G4
BA5DC-WO35-0915-1	L1678061-13	WO	N	1	2,2',4,5'-TETRACHLOROBIPHENYL	3.3	3.5 J	3.5 J	PG/L	K1/TR
BA5DC-WO35-0915-1	L1678061-13	WO	N	1	2,2',5,5'-TETRACHLOROBIPHENYL	4.5	6.2 J	6.2 j	PG/L	K1/TR
BA5DC-WO35-0915-1	L1678061-13	WO	N	1	2,3,3',4',6-PENTACHLOROBIPHENYL	2.4	6.6 J	6.6 J	PG/L	K1/TR
BA5DC-WO35-0915-1	L1678061-13	WO	N	1	2,3',4,4'-TETRACHLOROBIPHENYL	3.0	6.7 J,M	6.7 J	PG/L	TR/G4
BA5DC-WO35-0915-1	L1678061-13	WO	N	1	PCB061/070/074/076	2.9	10.4 J	10.4 J	PG/L	K1/TR
BA5DC-WO38-0915-1	L1678061-14	WO	N	1	2,2',3,3',4,4'-HEXACHLOROBIPHENYL	0.35	0.45 J	0.45 J	PG/L	TR/D5

Automated Data Review Detail Report for L1678061

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Detected Results

Test Method: E1668C		Extraction Method: METHOD			Leach Method: NONE					
FieldSample ID	LabSample ID	Matrix	Type	Dilution	Analyte	MDL	Lab Result	Qualified Result	Units	Reason
BA5DC-WO38-0915-1	L1678061-14	WO	N	1	2,2',3,4,4',5,5'-HEPTACHLOROBIPHENYL	0.54	0.89 J,M	0.89 J	PG/L	TR/G4
BA5DC-WO38-0915-1	L1678061-14	WO	N	1	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	0.39	5.0 J	5.0 J	PG/L	K1/TR/D5
BA5DC-WO38-0915-1	L1678061-14	WO	N	1	2,2',3,4',5,5',6-HEPTACHLOROBIPHENYL	0.58	0.69 J,M	0.69 J	PG/L	TR/G4
BA5DC-WO38-0915-1	L1678061-14	WO	N	1	2,2',3,4',5',6-HEXACHLOROBIPHENYL	0.35	3.1 J	3.1 J	PG/L	K1/TR
BA5DC-WO38-0915-1	L1678061-14	WO	N	1	2,2',3,4,5'-PENTACHLOROBIPHENYL/2,3',4,4',6-Pentachlorobiphenyl	0.51	5.9 J	5.9 J	PG/L	TR
BA5DC-WO38-0915-1	L1678061-14	WO	N	1	2,2',3,5,5',6-HEXACHLOROBIPHENYL	0.28	1.7 J	1.7 J	PG/L	TR/D5
BA5DC-WO38-0915-1	L1678061-14	WO	N	1	2,2',3,5'-TETRACHLOROBIPHENYL	0.45	9.5 J,M	9.5 J	PG/L	K1/TR/G4
BA5DC-WO38-0915-1	L1678061-14	WO	N	1	2,2',4,4',5,5'-HEXACHLOROBIPHENYL/2,3',4,4',5',6-HEXACHLOROBIPHENYL	0.29	3.4 J,M	3.4 J	PG/L	K1/TR/G4
BA5DC-WO38-0915-1	L1678061-14	WO	N	1	2,2',4,4',5-PENTACHLOROBIPHENYL	0.63	4.8 J	4.8 J	PG/L	TR
BA5DC-WO38-0915-1	L1678061-14	WO	N	1	2,2',4,5,5'-PENTACHLOROBIPHENYL	0.54	8.2 J,M	8.2 J	PG/L	K1/TR/G4
BA5DC-WO38-0915-1	L1678061-14	WO	N	1	2,2',4,5'-TETRACHLOROBIPHENYL	0.40	5.5 J	5.5 J	PG/L	K1/TR
BA5DC-WO38-0915-1	L1678061-14	WO	N	1	2,2',5,5'-TETRACHLOROBIPHENYL	0.55	11.7 J	11.7 j	PG/L	K1/TR
BA5DC-WO38-0915-1	L1678061-14	WO	N	1	2,2',5-TRICHLOROBIPHENYL	2.6	2.9 J	2.9 J	PG/L	TR
BA5DC-WO38-0915-1	L1678061-14	WO	N	1	2,3,3',4,4'-PENTACHLOROBIPHENYL	0.40	2.6 J	2.6 J	PG/L	TR
BA5DC-WO38-0915-1	L1678061-14	WO	N	1	2,3,3',4',6-PENTACHLOROBIPHENYL	0.48	11.4 J	11.4 J	PG/L	K1/TR
BA5DC-WO38-0915-1	L1678061-14	WO	N	1	2,3',4,4',5-PENTACHLOROBIPHENYL	0.44	8.0 J	8.0 J	PG/L	K1/TR
BA5DC-WO38-0915-1	L1678061-14	WO	N	1	2,3',4,4'-TETRACHLOROBIPHENYL	0.40	9.1 J,M	9.1 J	PG/L	TR/G4
BA5DC-WO38-0915-1	L1678061-14	WO	N	1	2,4,4'-TRICHLOROBIPHENYL	2.6	6.8 J	6.8 J	PG/L	TR
BA5DC-WO38-0915-1	L1678061-14	WO	N	1	2,4',5-TRICHLOROBIPHENYL	2.5	4.4 J	4.4 J	PG/L	TR
BA5DC-WO38-0915-1	L1678061-14	WO	N	1	PCB061/070/074/076	0.39	14.3 J	14.3 J	PG/L	K1/TR
BA5DC-WO38-0915-2	L1678061-15	WO	FD	1	2,2',3,4,4',5,5'-HEPTACHLOROBIPHENYL	0.52	0.74 J	0.74 J	PG/L	TR
BA5DC-WO38-0915-2	L1678061-15	WO	FD	1	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	0.38	3.1 J	3.1 J	PG/L	K1/TR/D5
BA5DC-WO38-0915-2	L1678061-15	WO	FD	1	2,2',3,4',5,5',6-HEPTACHLOROBIPHENYL	0.55	0.58 J,M	0.58 J	PG/L	TR/G4
BA5DC-WO38-0915-2	L1678061-15	WO	FD	1	2,2',3,4',5',6-HEXACHLOROBIPHENYL	0.33	2.1 J,M	2.1 J	PG/L	K1/TR/G4

Automated Data Review Detail Report for L1678061

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Detected Results

Test Method: E1668C		Extraction Method: METHOD			Leach Method: NONE					
FieldSample ID	LabSample ID	Matrix	Type	Dilution	Analyte	MDL	Lab Result	Qualified Result	Units	Reason
BA5DC-WO38-0915-2	L1678061-15	WO	FD	1	2,2',3,4,5'-PENTACHLOROBIPHENYL/2,3',4,4',6-Pentachlorobiphenyl	0.60	4.3 J	4.3 J	PG/L	TR
BA5DC-WO38-0915-2	L1678061-15	WO	FD	1	2,2',3,5,5',6-HEXACHLOROBIPHENYL	0.22	0.90 J,M	0.90 J	PG/L	TR/G4/D5
BA5DC-WO38-0915-2	L1678061-15	WO	FD	1	2,2',3,5'-TETRACHLOROBIPHENYL	0.52	11.0 J	11.0 J	PG/L	K1/TR
BA5DC-WO38-0915-2	L1678061-15	WO	FD	1	2,2',4,4',5,5'-HEXACHLOROBIPHENYL/2,3',4,4',5',6-HEXACHLOROBIPHENYL	0.27	2.4 J,M	2.4 J	PG/L	K1/TR/G4
BA5DC-WO38-0915-2	L1678061-15	WO	FD	1	2,2',4,4',5-PENTACHLOROBIPHENYL	0.74	4.1 J,M	4.1 J	PG/L	TR/G4
BA5DC-WO38-0915-2	L1678061-15	WO	FD	1	2,2',4,5,5'-PENTACHLOROBIPHENYL	0.64	8.3 J	8.3 J	PG/L	K1/TR
BA5DC-WO38-0915-2	L1678061-15	WO	FD	1	2,2',4,5'-TETRACHLOROBIPHENYL	0.47	5.8 J	5.8 J	PG/L	K1/TR
BA5DC-WO38-0915-2	L1678061-15	WO	FD	1	2,2',5,5'-TETRACHLOROBIPHENYL	0.64	13.1 J	13.1 j	PG/L	K1/TR
BA5DC-WO38-0915-2	L1678061-15	WO	FD	1	2,2',5-TRICHLOROBIPHENYL	2.2	2.9 J	2.9 J	PG/L	TR
BA5DC-WO38-0915-2	L1678061-15	WO	FD	1	2,3,3',4,4'-PENTACHLOROBIPHENYL	0.43	2.2 J,M	2.2 J	PG/L	TR/G4
BA5DC-WO38-0915-2	L1678061-15	WO	FD	1	2,3,3',4',6-PENTACHLOROBIPHENYL	0.56	9.0 J	9.0 J	PG/L	K1/TR
BA5DC-WO38-0915-2	L1678061-15	WO	FD	1	2,3',4,4',5-PENTACHLOROBIPHENYL	0.42	6.4 J	6.4 J	PG/L	K1/TR
BA5DC-WO38-0915-2	L1678061-15	WO	FD	1	2,3',4,4'-TETRACHLOROBIPHENYL	0.54	9.0 J	9.0 J	PG/L	TR
BA5DC-WO38-0915-2	L1678061-15	WO	FD	1	2,4,4'-TRICHLOROBIPHENYL	2.2	8.4 J	8.4 J	PG/L	TR
BA5DC-WO38-0915-2	L1678061-15	WO	FD	1	2,4',5-TRICHLOROBIPHENYL	2.1	5.7 J	5.7 J	PG/L	TR
BA5DC-WO38-0915-2	L1678061-15	WO	FD	1	PCB061/070/074/076	0.52	13.2 J	13.2 J	PG/L	K1/TR
BA5DC-WO5-0915-1	L1678061-11	WO	N	1	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	0.37	1.2 J,M	1.2 J	PG/L	K1/TR/G4
BA5DC-WO5-0915-1	L1678061-11	WO	N	1	2,2',3,4',5',6-HEXACHLOROBIPHENYL	0.33	0.50 J	0.50 J	PG/L	K1/TR
BA5DC-WO5-0915-1	L1678061-11	WO	N	1	2,2',3,4,5'-PENTACHLOROBIPHENYL/2,3',4,4',6-Pentachlorobiphenyl	0.43	0.92 J,M	0.92 J	PG/L	TR/G4
BA5DC-WO5-0915-1	L1678061-11	WO	N	1	2,2',3,5,5',6-HEXACHLOROBIPHENYL	0.23	0.32 J,M	0.32 J	PG/L	TR/G4
BA5DC-WO5-0915-1	L1678061-11	WO	N	1	2,2',3,5'-TETRACHLOROBIPHENYL	0.53	3.3 J	3.3 J	PG/L	K1/TR
BA5DC-WO5-0915-1	L1678061-11	WO	N	1	2,2',4,4',5,5'-HEXACHLOROBIPHENYL/2,3',4,4',5',6-HEXACHLOROBIPHENYL	0.27	0.66 J,M	0.66 J	PG/L	K1/TR/G4
BA5DC-WO5-0915-1	L1678061-11	WO	N	1	2,2',4,4',5-PENTACHLOROBIPHENYL	0.53	0.77 J,M	0.77 J	PG/L	TR/G4
BA5DC-WO5-0915-1	L1678061-11	WO	N	1	2,2',4,5,5'-PENTACHLOROBIPHENYL	0.45	1.2 J,M	1.2 J	PG/L	K1/TR/G4

Automated Data Review Detail Report for L1678061

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Detected Results

Test Method: E1668C		Extraction Method: METHOD			Leach Method: NONE					
FieldSample ID	LabSample ID	Matrix	Type	Dilution	Analyte	MDL	Lab Result	Qualified Result	Units	Reason
BA5DC-WO5-0915-1	L1678061-11	WO	N	1	2,2',4,5'-TETRACHLOROBIPHENYL	0.48	1.1 J	1.1 J	PG/L	K1/TR
BA5DC-WO5-0915-1	L1678061-11	WO	N	1	2,2',5,5'-TETRACHLOROBIPHENYL	0.65	2.2 J,M	2.2 J	PG/L	K1/TR/G4
BA5DC-WO5-0915-1	L1678061-11	WO	N	1	2,3,3',4',6-PENTACHLOROBIPHENYL	0.40	1.7 J	1.7 J	PG/L	K1/TR
BA5DC-WO5-0915-1	L1678061-11	WO	N	1	2,3',4,4'-TETRACHLOROBIPHENYL	0.41	1.3 J	1.3 J	PG/L	TR
BA5DC-WO5-0915-1	L1678061-11	WO	N	1	2,4,4'-TRICHLOROBIPHENYL	1.8	1.9 J	1.9 J	PG/L	TR
BA5DC-WO5-0915-1	L1678061-11	WO	N	1	PCB061/070/074/076	0.39	2.5 J	2.5 J	PG/L	K1/TR
BA6BC-WO50-0915-1	L1678061-20	WO	N	1	2,2',3,3',4,4',5-HEPTACHLOROBIPHENYL	0.079	0.19 J,M	0.19 J	PG/L	TR/G4
BA6BC-WO50-0915-1	L1678061-20	WO	N	1	2,2',3,3',4,4'-HEXACHLOROBIPHENYL	0.087	0.22 J,M	0.22 J	PG/L	TR/G4
BA6BC-WO50-0915-1	L1678061-20	WO	N	1	2,2',3,3',4,5',6'-HEPTACHLOROBIPHENYL	0.080	0.19 J	0.19 J	PG/L	TR
BA6BC-WO50-0915-1	L1678061-20	WO	N	1	2,2',3,4,4',5,5'-HEPTACHLOROBIPHENYL	0.062	0.33 J,B	0.33 J	PG/L	B1/TR
BA6BC-WO50-0915-1	L1678061-20	WO	N	1	2,2',3,4,4',5',6'-HEPTACHLOROBIPHENYL	0.068	0.11 J,M	0.11 J	PG/L	TR/G4
BA6BC-WO50-0915-1	L1678061-20	WO	N	1	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	0.093	1.7 J	1.7 J	PG/L	K1/B1/TR
BA6BC-WO50-0915-1	L1678061-20	WO	N	1	2,2',3,4',5,5',6'-HEPTACHLOROBIPHENYL	0.061	0.24 J,M	0.24 J	PG/L	TR/G4
BA6BC-WO50-0915-1	L1678061-20	WO	N	1	2,2',3,4',5',6'-HEXACHLOROBIPHENYL	0.095	1.2 J,B	1.2 J	PG/L	K1/B1/TR
BA6BC-WO50-0915-1	L1678061-20	WO	N	1	2,2',3,4,5'-PENTACHLOROBIPHENYL/2,3',4,4',6-Pentachlorobiphenyl	0.15	2.0 J	2.0 J	PG/L	TR
BA6BC-WO50-0915-1	L1678061-20	WO	N	1	2,2',3,5,5',6'-HEXACHLOROBIPHENYL	0.078	0.59 J	0.59 J	PG/L	TR
BA6BC-WO50-0915-1	L1678061-20	WO	N	1	2,2',3,5'-TETRACHLOROBIPHENYL	0.12	5.3 J,B	5.3 J	PG/L	K1/B1/TR
BA6BC-WO50-0915-1	L1678061-20	WO	N	1	2,2',4,4',5,5'-HEXACHLOROBIPHENYL/2,3',4,4',5',6'-HEXACHLOROBIPHENYL	0.080	1.1 J	1.1 J	PG/L	K1/B1/TR
BA6BC-WO50-0915-1	L1678061-20	WO	N	1	2,2',4,4',5-PENTACHLOROBIPHENYL	0.18	1.4 J	1.4 J	PG/L	TR
BA6BC-WO50-0915-1	L1678061-20	WO	N	1	2,2',4,5,5'-PENTACHLOROBIPHENYL	0.16	2.7 J,B	2.7 J	PG/L	K1/B1/TR
BA6BC-WO50-0915-1	L1678061-20	WO	N	1	2,2',4,5'-TETRACHLOROBIPHENYL	0.11	1.9 J	1.9 J	PG/L	K1/B1/TR
BA6BC-WO50-0915-1	L1678061-20	WO	N	1	2,2',5,5'-TETRACHLOROBIPHENYL	0.14	4.1 J,B	4.1 J	PG/L	K1/B1/TR

Automated Data Review Detail Report for L1678061

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Detected Results

Test Method: E1668C		Extraction Method: METHOD			Leach Method: NONE					
FieldSample ID	LabSample ID	Matrix	Type	Dilution	Analyte	MDL	Lab Result	Qualified Result	Units	Reason
BA6BC-WO50-0915-1	L1678061-20	WO	N	1	2,3,3',4,4',5'-Hexachlorobiphenyl/2,3,3',4,4',5'-Hexachlorobiphenyl	0.094	0.17 J,M	0.17 J	PG/L	TR/G4
BA6BC-WO50-0915-1	L1678061-20	WO	N	1	2,3,3',4,4',6-PENTACHLOROBIPHENYL	0.073	0.80 J,M	0.80 J	PG/L	B1/TR/G4
BA6BC-WO50-0915-1	L1678061-20	WO	N	1	2,3,3',4',6-PENTACHLOROBIPHENYL	0.14	3.5 J	3.5 J	PG/L	K1/B1/TR
BA6BC-WO50-0915-1	L1678061-20	WO	N	1	2,3',4,4',5-PENTACHLOROBIPHENYL	0.072	1.8 J,B	1.8 J	PG/L	K1/B1/TR
BA6BC-WO50-0915-1	L1678061-20	WO	N	1	2,3',4,4'-TETRACHLOROBIPHENYL	0.16	2.6 J	2.6 J	PG/L	B1/TR
BA6BC-WO50-0915-1	L1678061-20	WO	N	1	3,3',4,4'-TETRACHLOROBIPHENYL	0.15	0.33 J	0.33 J	PG/L	TR
BA6BC-WO50-0915-1	L1678061-20	WO	N	1	PCB061/070/074/076	0.15	4.1 J,B	4.1 J	PG/L	B1/K1/TR
BA6BC-WO5-0915-1	L1678061-19	WO	N	1	2,2',3,4',5,5',6-HEPTACHLOROBIPHENYL	0.059	0.17 J	0.17 J	PG/L	TR
BA6BC-WO5-0915-1	L1678061-19	WO	N	1	2,2',3,4,5'-PENTACHLOROBIPHENYL/2,3',4,4',6-Pentachlorobiphenyl	0.079	0.88 J,M	0.88 J	PG/L	TR/G4
BA6BC-WO5-0915-1	L1678061-19	WO	N	1	2,2',3,5,5',6-HEXACHLOROBIPHENYL	0.045	0.34 J	0.34 J	PG/L	TR
BA6BC-WO5-0915-1	L1678061-19	WO	N	1	2,2',3,5'-TETRACHLOROBIPHENYL	0.13	3.7 J,B	3.7 J	PG/L	K1/B1/TR
BA6BC-WO5-0915-1	L1678061-19	WO	N	1	2,2',4,4',5,5'-HEXACHLOROBIPHENYL/2,3',4,4',5',6-HEXACHLOROBIPHENYL	0.065	0.67 J	0.67 J	PG/L	K1/B1/TR
BA6BC-WO5-0915-1	L1678061-19	WO	N	1	2,2',4,4',5-PENTACHLOROBIPHENYL	0.091	0.66 J	0.66 J	PG/L	TR
BA6BC-WO5-0915-1	L1678061-19	WO	N	1	2,2',4,5,5'-PENTACHLOROBIPHENYL	0.085	1.2 J,M	1.2 J	PG/L	K1/B1/TR/G4
BA6BC-WO5-0915-1	L1678061-19	WO	N	1	2,2',4,5'-TETRACHLOROBIPHENYL	0.12	0.99 J	0.99 J	PG/L	K1/B1/TR
BA6BC-WO5-0915-1	L1678061-19	WO	N	1	2,2',5,5'-TETRACHLOROBIPHENYL	0.14	2.8 J,B	2.8 J	PG/L	K1/B1/TR
BA6BC-WO5-0915-1	L1678061-19	WO	N	1	2,3,3',4,4',5'-Hexachlorobiphenyl/2,3,3',4,4',5'-Hexachlorobiphenyl	0.077	0.16 J	0.16 J	PG/L	TR
BA6BC-WO5-0915-1	L1678061-19	WO	N	1	2,3,3',4',6-PENTACHLOROBIPHENYL	0.073	1.6 J	1.6 J	PG/L	K1/B1/TR
BA6BC-WO5-0915-1	L1678061-19	WO	N	1	2,3',4,4'-TETRACHLOROBIPHENYL	0.14	1.3 J	1.3 J	PG/L	B1/TR
BA6BC-WO5-0915-1	L1678061-19	WO	N	1	3,3',4,4'-TETRACHLOROBIPHENYL	0.13	0.16 J,M	0.16 J	PG/L	TR/G4
BA6BC-WO5-0915-1	L1678061-19	WO	N	1	PCB061/070/074/076	0.14	2.4 J,B	2.4 J	PG/L	B1/K1/TR
BA6BC-WO95-0915-1	L1678061-21	WO	N	1	2,2',3,3',4,4',5-HEPTACHLOROBIPHENYL	0.095	0.56 J,M	0.56 J	PG/L	TR/G4
BA6BC-WO95-0915-1	L1678061-21	WO	N	1	2,2',3,3',4,4'-HEXACHLOROBIPHENYL	0.077	0.48 J,M	0.48 J	PG/L	TR/G4

Automated Data Review Detail Report for L1678061

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Detected Results

Test Method: E1668C		Extraction Method: METHOD			Leach Method: NONE					
FieldSample ID	LabSample ID	Matrix	Type	Dilution	Analyte	MDL	Lab Result	Qualified Result	Units	Reason
BA6BC-WO95-0915-1	L1678061-21	WO	N	1	2,2',3,3',4,5',6'-HEPTACHLOROBIPHENYL	0.096	0.25 J,M	0.25 J	PG/L	TR/G4
BA6BC-WO95-0915-1	L1678061-21	WO	N	1	2,2',3,4,4',5,5'-HEPTACHLOROBIPHENYL	0.075	1.0 J,B	1.0 J	PG/L	B1/TR
BA6BC-WO95-0915-1	L1678061-21	WO	N	1	2,2',3,4,4',5',6'-HEPTACHLOROBIPHENYL	0.082	0.43 J	0.43 J	PG/L	TR
BA6BC-WO95-0915-1	L1678061-21	WO	N	1	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	0.083	4.2 J	4.2 J	PG/L	K1/B1/TR
BA6BC-WO95-0915-1	L1678061-21	WO	N	1	2,2',3,4',5,5',6'-HEPTACHLOROBIPHENYL	0.074	0.35 J,M	0.35 J	PG/L	TR/G4
BA6BC-WO95-0915-1	L1678061-21	WO	N	1	2,2',3,4',5',6'-HEXACHLOROBIPHENYL	0.084	3.0 J,B	3.0 J	PG/L	K1/B1/TR
BA6BC-WO95-0915-1	L1678061-21	WO	N	1	2,2',3,4,5'-PENTACHLOROBIPHENYL/2,3',4,4',6'-Pentachlorobiphenyl	0.12	3.5 J	3.5 J	PG/L	TR
BA6BC-WO95-0915-1	L1678061-21	WO	N	1	2,2',3,5,5',6'-HEXACHLOROBIPHENYL	0.060	1.3 J	1.3 J	PG/L	TR
BA6BC-WO95-0915-1	L1678061-21	WO	N	1	2,2',3,5'-TETRACHLOROBIPHENYL	0.12	62.7	62.7 J	PG/L	K1/B1
BA6BC-WO95-0915-1	L1678061-21	WO	N	1	2,2',4,4',5,5'-HEXACHLOROBIPHENYL/2,3',4,4',5',6'-HEXACHLOROBIPHENYL	0.071	2.9 J	2.9 J	PG/L	K1/B1/TR
BA6BC-WO95-0915-1	L1678061-21	WO	N	1	2,2',4,4',5-PENTACHLOROBIPHENYL	0.14	2.4 J	2.4 J	PG/L	TR
BA6BC-WO95-0915-1	L1678061-21	WO	N	1	2,2',4,5,5'-PENTACHLOROBIPHENYL	0.13	4.9 J,B	4.9 J	PG/L	K1/B1/TR
BA6BC-WO95-0915-1	L1678061-21	WO	N	1	2,2',4,5'-TETRACHLOROBIPHENYL	0.12	4.5 J	4.5 J	PG/L	K1/B1/TR
BA6BC-WO95-0915-1	L1678061-21	WO	N	1	2,2',5,5'-TETRACHLOROBIPHENYL	0.14	11.7 J,B	11.7 J	PG/L	K1/B1/TR
BA6BC-WO95-0915-1	L1678061-21	WO	N	1	2,2',5-TRICHLOROBIPHENYL	0.12	6.9 J,B	6.9 J	PG/L	B1/TR
BA6BC-WO95-0915-1	L1678061-21	WO	N	1	2,3,3',4,4',5'-Hexachlorobiphenyl/2,3,3',4,4',5'-Hexachlorobiphenyl	0.083	0.38 J	0.38 J	PG/L	TR
BA6BC-WO95-0915-1	L1678061-21	WO	N	1	2,3,3',4,4',6'-HEXACHLOROBIPHENYL	0.062	0.36 J,M	0.36 J	PG/L	TR/G4
BA6BC-WO95-0915-1	L1678061-21	WO	N	1	2,3,3',4,4'-PENTACHLOROBIPHENYL	0.10	1.5 J,M	1.5 J	PG/L	B1/TR/G4
BA6BC-WO95-0915-1	L1678061-21	WO	N	1	2,3,3',4',6-PENTACHLOROBIPHENYL	0.11	6.5 J	6.5 J	PG/L	K1/B1/TR
BA6BC-WO95-0915-1	L1678061-21	WO	N	1	2,3',4,4',5,5'-HEXACHLOROBIPHENYL	0.062	0.13 J,M	0.13 J	PG/L	TR/G4
BA6BC-WO95-0915-1	L1678061-21	WO	N	1	2,3',4,4',5-PENTACHLOROBIPHENYL	0.096	2.9 J,B	2.9 J	PG/L	K1/B1/TR
BA6BC-WO95-0915-1	L1678061-21	WO	N	1	2,3',4,4'-TETRACHLOROBIPHENYL	0.19	4.6 J	4.6 J	PG/L	B1/TR
BA6BC-WO95-0915-1	L1678061-21	WO	N	1	2,4,4'-TRICHLOROBIPHENYL	0.16	8.2 J,B	8.2 J	PG/L	B1/TR

Automated Data Review Detail Report for L1678061

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Detected Results

Test Method: E1668C		Extraction Method: METHOD			Leach Method: NONE					
FieldSample ID	LabSample ID	Matrix	Type	Dilution	Analyte	MDL	Lab Result	Qualified Result	Units	Reason
BA6BC-WO95-0915-1	L1678061-21	WO	N	1	2,4',5-TRICHLOROBIPHENYL	0.16	7.2 J,B	7.2 J	PG/L	B1/TR
BA6BC-WO95-0915-1	L1678061-21	WO	N	1	3,3',4,4'-TETRACHLOROBIPHENYL	0.18	0.55 J	0.55 J	PG/L	TR
BA6BC-WO95-0915-1	L1678061-21	WO	N	1	3,4,4'-TRICHLOROBIPHENYL	0.17	1.2 J,M	1.2 J	PG/L	B1/TR/G4
BA6BC-WO95-0915-1	L1678061-21	WO	N	1	PCB061/070/074/076	0.19	7.9 J,B	7.9 J	PG/L	B1/K1/TR
BA6B-WO145-0915-1	L1678061-18	WO	N	1	2,2',3,3',4,4',5-HEPTACHLOROBIPHENYL	0.051	0.16 J,M	0.16 J	PG/L	TR/G4
BA6B-WO145-0915-1	L1678061-18	WO	N	1	2,2',3,4,4',5,5'-HEPTACHLOROBIPHENYL	0.040	0.49 J,B	0.49 J	PG/L	B1/TR
BA6B-WO145-0915-1	L1678061-18	WO	N	1	2,2',3,4,4',5',6-HEPTACHLOROBIPHENYL	0.044	0.13 J,M	0.13 J	PG/L	TR/G4
BA6B-WO145-0915-1	L1678061-18	WO	N	1	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	0.062	1.6 J,M	1.6 J	PG/L	K1/B1/TR/G4
BA6B-WO145-0915-1	L1678061-18	WO	N	1	2,2',3,4',5,5',6-HEPTACHLOROBIPHENYL	0.040	0.30 J	0.30 J	PG/L	TR
BA6B-WO145-0915-1	L1678061-18	WO	N	1	2,2',3,4',5',6-HEXACHLOROBIPHENYL	0.063	1.4 J,B	1.4 J	PG/L	K1/B1/TR
BA6B-WO145-0915-1	L1678061-18	WO	N	1	2,2',3,4,5'-PENTACHLOROBIPHENYL/2,3',4,4',6-Pentachlorobiphenyl	0.077	1.7 J,M	1.7 J	PG/L	TR/G4
BA6B-WO145-0915-1	L1678061-18	WO	N	1	2,2',3,5,5',6-HEXACHLOROBIPHENYL	0.033	0.67 J	0.67 J	PG/L	TR
BA6B-WO145-0915-1	L1678061-18	WO	N	1	2,2',3,5'-TETRACHLOROBIPHENYL	0.071	6.9 J,B	6.9 J	PG/L	K1/B1/TR
BA6B-WO145-0915-1	L1678061-18	WO	N	1	2,2',4,4',5,5'-HEXACHLOROBIPHENYL/2,3',4,4',5',6-HEXACHLOROBIPHENYL	0.053	1.4 J	1.4 J	PG/L	K1/B1/TR
BA6B-WO145-0915-1	L1678061-18	WO	N	1	2,2',4,4',5-PENTACHLOROBIPHENYL	0.090	1.4 J	1.4 J	PG/L	TR
BA6B-WO145-0915-1	L1678061-18	WO	N	1	2,2',4,5,5'-PENTACHLOROBIPHENYL	0.084	2.7 J,B	2.7 J	PG/L	K1/B1/TR
BA6B-WO145-0915-1	L1678061-18	WO	N	1	2,2',4,5'-TETRACHLOROBIPHENYL	0.066	2.1 J	2.1 J	PG/L	K1/B1/TR
BA6B-WO145-0915-1	L1678061-18	WO	N	1	2,2',5,5'-TETRACHLOROBIPHENYL	0.080	5.0 J,B	5.0 J	PG/L	K1/B1/TR
BA6B-WO145-0915-1	L1678061-18	WO	N	1	2,2',5-TRICHLOROBIPHENYL	0.083	2.8 J,B	2.8 J	PG/L	B1/TR
BA6B-WO145-0915-1	L1678061-18	WO	N	1	2,3,3',4,4',5'-Hexachlorobiphenyl/2,3,3',4,4',5'-Hexachlorobiphenyl	0.063	0.19 J	0.19 J	PG/L	TR
BA6B-WO145-0915-1	L1678061-18	WO	N	1	2,3,3',4,4'-PENTACHLOROBIPHENYL	0.061	0.84 J	0.84 J	PG/L	B1/TR
BA6B-WO145-0915-1	L1678061-18	WO	N	1	2,3,3',4',6-PENTACHLOROBIPHENYL	0.072	3.7 J	3.7 J	PG/L	K1/B1/TR
BA6B-WO145-0915-1	L1678061-18	WO	N	1	2,3',4,4',5-PENTACHLOROBIPHENYL	0.053	1.9 J,B	1.9 J	PG/L	K1/B1/TR

Automated Data Review Detail Report for L1678061

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Detected Results

Test Method: E1668C		Extraction Method: METHOD			Leach Method: NONE					
FieldSample ID	LabSample ID	Matrix	Type	Dilution	Analyte	MDL	Lab Result	Qualified Result	Units	Reason
BA6B-WO145-0915-1	L1678061-18	WO	N	1	2,3',4,4'-TETRACHLOROBIPHENYL	0.11	2.9 J	2.9 J	PG/L	B1/TR
BA6B-WO145-0915-1	L1678061-18	WO	N	1	2,4,4'-TRICHLOROBIPHENYL	0.11	4.0 J,B	4.0 J	PG/L	B1/TR
BA6B-WO145-0915-1	L1678061-18	WO	N	1	2,4',5-TRICHLOROBIPHENYL	0.12	3.2 J,B	3.2 J	PG/L	B1/TR
BA6B-WO145-0915-1	L1678061-18	WO	N	1	PCB061/070/074/076	0.11	4.8 J,B	4.8 J	PG/L	B1/K1/TR
BA6B-WO5-0915-1	L1678061-16	WO	N	1	2,2',3,4',5,5',6-HEPTACHLOROBIPHENYL	0.066	0.10 J,M	0.10 J	PG/L	TR/G4
BA6B-WO5-0915-1	L1678061-16	WO	N	1	2,2',3,4',5',6-HEXACHLOROBIPHENYL	0.096	0.72 J,B	0.72 J	PG/L	K1/B1/TR
BA6B-WO5-0915-1	L1678061-16	WO	N	1	2,2',3,4,5'-PENTACHLOROBIPHENYL/2,3',4,4',6-Pentachlorobiphenyl	0.098	1.2 J	1.2 J	PG/L	TR
BA6B-WO5-0915-1	L1678061-16	WO	N	1	2,2',3,5,5',6-HEXACHLOROBIPHENYL	0.074	0.46 J	0.46 J	PG/L	TR
BA6B-WO5-0915-1	L1678061-16	WO	N	1	2,2',3,5'-TETRACHLOROBIPHENYL	0.14	4.2 J,B	4.2 J	PG/L	K1/B1/TR
BA6B-WO5-0915-1	L1678061-16	WO	N	1	2,2',4,4',5,5'-HEXACHLOROBIPHENYL/2,3',4,4',5',6-HEXACHLOROBIPHENYL	0.081	0.67 J	0.67 J	PG/L	K1/B1/TR
BA6B-WO5-0915-1	L1678061-16	WO	N	1	2,2',4,4',5-PENTACHLOROBIPHENYL	0.11	0.61 J	0.61 J	PG/L	TR
BA6B-WO5-0915-1	L1678061-16	WO	N	1	2,2',4,5,5'-PENTACHLOROBIPHENYL	0.11	1.3 J,B	1.3 J	PG/L	K1/B1/TR
BA6B-WO5-0915-1	L1678061-16	WO	N	1	2,2',4,5'-TETRACHLOROBIPHENYL	0.13	1.1 J	1.1 J	PG/L	K1/B1/TR
BA6B-WO5-0915-1	L1678061-16	WO	N	1	2,2',5,5'-TETRACHLOROBIPHENYL	0.16	2.9 J,B	2.9 J	PG/L	K1/B1/TR
BA6B-WO5-0915-1	L1678061-16	WO	N	1	2,3,3',4,4',5-Hexachlorobiphenyl/2,3,3',4,4',5'-Hexachlorobiphenyl	0.099	0.20 J	0.20 J	PG/L	TR
BA6B-WO5-0915-1	L1678061-16	WO	N	1	2,3,3',4',6-PENTACHLOROBIPHENYL	0.090	1.5 J	1.5 J	PG/L	K1/B1/TR
BA6B-WO5-0915-1	L1678061-16	WO	N	1	2,3',4,4'-TETRACHLOROBIPHENYL	0.26	1.1 J,M	1.1 J	PG/L	B1/TR/G4
BA6B-WO5-0915-1	L1678061-16	WO	N	1	PCB061/070/074/076	0.25	2.4 J,B	2.4 J	PG/L	B1/K1/TR
BA6B-WO75-0915-1	L1678061-17	WO	N	1	2,2',3,4,4',5,5'-HEPTACHLOROBIPHENYL	0.098	0.35 J,M	0.35 J	PG/L	B1/TR/G4
BA6B-WO75-0915-1	L1678061-17	WO	N	1	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	0.14	1.1 J,M	1.1 J	PG/L	K1/B1/TR/G4
BA6B-WO75-0915-1	L1678061-17	WO	N	1	2,2',3,4',5,5',6-HEPTACHLOROBIPHENYL	0.096	0.15 J,M	0.15 J	PG/L	TR/G4
BA6B-WO75-0915-1	L1678061-17	WO	N	1	2,2',3,4',5,6-HEXACHLOROBIPHENYL	0.15	0.90 J,B	0.90 J	PG/L	K1/B1/TR

Automated Data Review Detail Report for L1678061

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Detected Results

Test Method: E1668C		Extraction Method: METHOD			Leach Method: NONE					
FieldSample ID	LabSample ID	Matrix	Type	Dilution	Analyte	MDL	Lab Result	Qualified Result	Units	Reason
BA6B-WO75-0915-1	L1678061-17	WO	N	1	2,2',3,4,5'-PENTACHLOROBIPHENYL/2,3',4,4',6-Pentachlorobiphenyl	0.14	1.3 J	1.3 J	PG/L	TR
BA6B-WO75-0915-1	L1678061-17	WO	N	1	2,2',3,5,5',6-HEXACHLOROBIPHENYL	0.16	0.39 J	0.39 J	PG/L	TR
BA6B-WO75-0915-1	L1678061-17	WO	N	1	2,2',3,5'-TETRACHLOROBIPHENYL	0.20	4.2 J,B	4.2 J	PG/L	K1/B1/TR
BA6B-WO75-0915-1	L1678061-17	WO	N	1	2,2',4,4',5,5'-HEXACHLOROBIPHENYL/2,3',4,4',5',6-HEXACHLOROBIPHENYL	0.12	0.80 J,M	0.80 J	PG/L	K1/B1/TR/G4
BA6B-WO75-0915-1	L1678061-17	WO	N	1	2,2',4,4',5-PENTACHLOROBIPHENYL	0.17	0.62 J,M	0.62 J	PG/L	TR/G4
BA6B-WO75-0915-1	L1678061-17	WO	N	1	2,2',4,5,5'-PENTACHLOROBIPHENYL	0.15	1.7 J,B	1.7 J	PG/L	K1/B1/TR
BA6B-WO75-0915-1	L1678061-17	WO	N	1	2,2',4,5'-TETRACHLOROBIPHENYL	0.19	1.3 J	1.3 J	PG/L	K1/B1/TR
BA6B-WO75-0915-1	L1678061-17	WO	N	1	2,2',5,5'-TETRACHLOROBIPHENYL	0.23	3.0 J,B	3.0 J	PG/L	K1/B1/TR
BA6B-WO75-0915-1	L1678061-17	WO	N	1	2,3,3',4,4'-PENTACHLOROBIPHENYL	0.20	0.40 J,M	0.40 J	PG/L	B1/TR/G4
BA6B-WO75-0915-1	L1678061-17	WO	N	1	2,3,3',4',6-PENTACHLOROBIPHENYL	0.13	2.2 J	2.2 J	PG/L	K1/B1/TR
BA6B-WO75-0915-1	L1678061-17	WO	N	1	2,3',4,4'-TETRACHLOROBIPHENYL	0.21	1.3 J,M	1.3 J	PG/L	B1/TR/G4
BA6B-WO75-0915-1	L1678061-17	WO	N	1	PCB061/070/074/076	0.21	2.4 J,B	2.4 J	PG/L	B1/K1/TR
BA6C-WO30-0915-1	L1678061-23	WO	N	1	2,2',3,3',4,4',5-HEPTACHLOROBIPHENYL	0.073	0.17 J,M	0.17 J	PG/L	TR/G4
BA6C-WO30-0915-1	L1678061-23	WO	N	1	2,2',3,3',4,4'-HEXACHLOROBIPHENYL	0.080	0.22 J	0.22 J	PG/L	TR
BA6C-WO30-0915-1	L1678061-23	WO	N	1	2,2',3,3',4,5',6'-HEPTACHLOROBIPHENYL	0.075	0.24 J	0.24 J	PG/L	TR
BA6C-WO30-0915-1	L1678061-23	WO	N	1	2,2',3,4,4',5,5'-HEPTACHLOROBIPHENYL	0.058	0.40 J,M	0.40 J	PG/L	B1/TR/G4
BA6C-WO30-0915-1	L1678061-23	WO	N	1	2,2',3,4,4',5',6-HEPTACHLOROBIPHENYL	0.064	0.13 J,M	0.13 J	PG/L	TR/G4
BA6C-WO30-0915-1	L1678061-23	WO	N	1	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	0.086	1.5 J,M	1.5 J	PG/L	K1/B1/TR/G4
BA6C-WO30-0915-1	L1678061-23	WO	N	1	2,2',3,4',5,5',6-HEPTACHLOROBIPHENYL	0.057	0.24 J,M	0.24 J	PG/L	TR/G4
BA6C-WO30-0915-1	L1678061-23	WO	N	1	2,2',3,4',5,6-HEXACHLOROBIPHENYL	0.087	1.2 J,B	1.2 J	PG/L	K1/B1/TR
BA6C-WO30-0915-1	L1678061-23	WO	N	1	2,2',3,4,5'-PENTACHLOROBIPHENYL/2,3',4,4',6-Pentachlorobiphenyl	0.066	2.4 J	2.4 J	PG/L	TR
BA6C-WO30-0915-1	L1678061-23	WO	N	1	2,2',3,5,5',6-HEXACHLOROBIPHENYL	0.049	0.60 J,M	0.60 J	PG/L	TR/G4

Automated Data Review Detail Report for L1678061

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Detected Results

Test Method: E1668C		Extraction Method: METHOD			Leach Method: NONE					
FieldSample ID	LabSample ID	Matrix	Type	Dilution	Analyte	MDL	Lab Result	Qualified Result	Units	Reason
BA6C-WO30-0915-1	L1678061-23	WO	N	1	2,2',3,5'-TETRACHLOROBIPHENYL	0.10	8.9 J,B	8.9 J	PG/L	K1/B1/TR
BA6C-WO30-0915-1	L1678061-23	WO	N	1	2,2',4,4',5,5'-HEXACHLOROBIPHENYL/2,3',4,4',5',6'-HEXACHLOROBIPHENYL	0.073	1.4 J	1.4 J	PG/L	K1/B1/TR
BA6C-WO30-0915-1	L1678061-23	WO	N	1	2,2',4,4',5-PENTACHLOROBIPHENYL	0.076	1.7 J,M	1.7 J	PG/L	TR/G4
BA6C-WO30-0915-1	L1678061-23	WO	N	1	2,2',4,5,5'-PENTACHLOROBIPHENYL	0.072	3.4 J,B	3.4 J	PG/L	K1/B1/TR
BA6C-WO30-0915-1	L1678061-23	WO	N	1	2,2',4,5'-TETRACHLOROBIPHENYL	0.094	3.0 J	3.0 J	PG/L	K1/B1/TR
BA6C-WO30-0915-1	L1678061-23	WO	N	1	2,2',5,5'-TETRACHLOROBIPHENYL	0.11	7.2 J,B	7.2 J	PG/L	K1/B1/TR
BA6C-WO30-0915-1	L1678061-23	WO	N	1	2,2',5-TRICHLOROBIPHENYL	0.093	3.4 J,B	3.4 J	PG/L	B1/TR
BA6C-WO30-0915-1	L1678061-23	WO	N	1	2,3,3',4,4',5'-Hexachlorobiphenyl/2,3,3',4,4',5'-Hexachlorobiphenyl	0.088	0.18 J	0.18 J	PG/L	TR
BA6C-WO30-0915-1	L1678061-23	WO	N	1	2,3,3',4,4',6-HEXACHLOROBIPHENYL	0.064	0.19 J	0.19 J	PG/L	TR
BA6C-WO30-0915-1	L1678061-23	WO	N	1	2,3,3',4,4'-PENTACHLOROBIPHENYL	0.069	0.84 J,M	0.84 J	PG/L	B1/TR/G4
BA6C-WO30-0915-1	L1678061-23	WO	N	1	2,3,3',4',6-PENTACHLOROBIPHENYL	0.061	4.8 J	4.8 J	PG/L	K1/B1/TR
BA6C-WO30-0915-1	L1678061-23	WO	N	1	2,3',4,4',5-PENTACHLOROBIPHENYL	0.067	2.2 J,B	2.2 J	PG/L	K1/B1/TR
BA6C-WO30-0915-1	L1678061-23	WO	N	1	2,3',4,4'-TETRACHLOROBIPHENYL	0.17	4.1 J	4.1 J	PG/L	B1/TR
BA6C-WO30-0915-1	L1678061-23	WO	N	1	2,4,4'-TRICHLOROBIPHENYL	0.18	5.6 J,B	5.6 J	PG/L	B1/TR
BA6C-WO30-0915-1	L1678061-23	WO	N	1	2,4',5-TRICHLOROBIPHENYL	0.18	4.4 J,B	4.4 J	PG/L	B1/TR
BA6C-WO30-0915-1	L1678061-23	WO	N	1	3,3',4,4'-TETRACHLOROBIPHENYL	0.17	0.26 J	0.26 J	PG/L	TR
BA6C-WO30-0915-1	L1678061-23	WO	N	1	PCB061/070/074/076	0.16	6.5 J,B	6.5 J	PG/L	B1/K1/TR
BA6C-WO5-0915-1	L1678061-22	WO	N	1	2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	0.68	0.74 J,B	0.74 J	PG/L	K1/B1/TR
BA6C-WO5-0915-1	L1678061-22	WO	N	1	2,2',3,3',4,4'-HEXACHLOROBIPHENYL	0.11	0.13 J,M	0.13 J	PG/L	TR/G4
BA6C-WO5-0915-1	L1678061-22	WO	N	1	2,2',3,4,4',5,5'-HEPTACHLOROBIPHENYL	0.076	0.29 J,B	0.29 J	PG/L	B1/TR
BA6C-WO5-0915-1	L1678061-22	WO	N	1	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	0.11	1.1 J,M	1.1 J	PG/L	K1/B1/TR/G4
BA6C-WO5-0915-1	L1678061-22	WO	N	1	2,2',3,4',5,5',6-HEPTACHLOROBIPHENYL	0.075	0.14 J,M	0.14 J	PG/L	TR/G4
BA6C-WO5-0915-1	L1678061-22	WO	N	1	2,2',3,4',5',6-HEXACHLOROBIPHENYL	0.11	0.87 J,B	0.87 J	PG/L	K1/B1/TR
BA6C-WO5-0915-1	L1678061-22	WO	N	1	2,2',3,4,5'-PENTACHLOROBIPHENYL/2,3',4,4',6-Pentachlorobiphenyl	0.14	1.0 J,M	1.0 J	PG/L	TR/G4

Automated Data Review Detail Report for L1678061

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Detected Results

Test Method: E1668C		Extraction Method: METHOD			Leach Method: NONE					
FieldSample ID	LabSample ID	Matrix	Type	Dilution	Analyte	MDL	Lab Result	Qualified Result	Units	Reason
BA6C-WO5-0915-1	L1678061-22	WO	N	1	2,2',3,5,5',6-HEXACHLOROBIPHENYL	0.047	0.42 J,M	0.42 J	PG/L	TR/G4
BA6C-WO5-0915-1	L1678061-22	WO	N	1	2,2',3,5'-TETRACHLOROBIPHENYL	0.13	11.3 J,B	11.3 J	PG/L	B1/TR
BA6C-WO5-0915-1	L1678061-22	WO	N	1	2,2',4,4',5,5'-HEXACHLOROBIPHENYL/2,3',4,4',5',6-HEXACHLOROBIPHENYL	0.096	0.75 J	0.75 J	PG/L	K1/B1/TR
BA6C-WO5-0915-1	L1678061-22	WO	N	1	2,2',4,4',5-PENTACHLOROBIPHENYL	0.16	0.44 J,M	0.44 J	PG/L	TR/G4
BA6C-WO5-0915-1	L1678061-22	WO	N	1	2,2',4,5,5'-PENTACHLOROBIPHENYL	0.15	1.6 J,B	1.6 J	PG/L	K1/B1/TR
BA6C-WO5-0915-1	L1678061-22	WO	N	1	2,2',4,5'-TETRACHLOROBIPHENYL	0.12	1.4 J,M	1.4 J	PG/L	K1/B1/TR/G4
BA6C-WO5-0915-1	L1678061-22	WO	N	1	2,2',5,5'-TETRACHLOROBIPHENYL	0.14	4.1 J,B	4.1 J	PG/L	K1/B1/TR
BA6C-WO5-0915-1	L1678061-22	WO	N	1	2,2',5-TRICHLOROBIPHENYL	0.19	4.1 J,B	4.1 J	PG/L	B1/TR
BA6C-WO5-0915-1	L1678061-22	WO	N	1	2,3,3',4,4',5'-Hexachlorobiphenyl/2,3,3',4,4',5'-Hexachlorobiphenyl	0.11	0.15 J	0.15 J	PG/L	TR
BA6C-WO5-0915-1	L1678061-22	WO	N	1	2,3,3',4,4'-PENTACHLOROBIPHENYL	0.11	0.38 J	0.38 J	PG/L	B1/TR
BA6C-WO5-0915-1	L1678061-22	WO	N	1	2,3,3',4',6-PENTACHLOROBIPHENYL	0.13	2.0 J	2.0 J	PG/L	K1/B1/TR
BA6C-WO5-0915-1	L1678061-22	WO	N	1	2,3',4,4'-TETRACHLOROBIPHENYL	0.15	1.4 J	1.4 J	PG/L	B1/TR
BA6C-WO5-0915-1	L1678061-22	WO	N	1	2,4,4'-TRICHLOROBIPHENYL	0.18	4.4 J,B	4.4 J	PG/L	B1/TR
BA6C-WO5-0915-1	L1678061-22	WO	N	1	2,4',5-TRICHLOROBIPHENYL	0.18	3.9 J,B	3.9 J	PG/L	B1/TR
BA6C-WO5-0915-1	L1678061-22	WO	N	1	PCB061/070/074/076	0.15	2.6 J,B	2.6 J	PG/L	B1/K1/TR
BA6DC-WO35-0915-1	L1678061-26	WO	N	1	2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	0.40	0.82 J	0.82 J	PG/L	K1/TR
BA6DC-WO35-0915-1	L1678061-26	WO	N	1	2,2',3,4,4',5,5'-HEPTACHLOROBIPHENYL	0.38	1.2 J	1.2 J	PG/L	TR
BA6DC-WO35-0915-1	L1678061-26	WO	N	1	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	0.44	4.9 J	4.9 J	PG/L	K1/TR
BA6DC-WO35-0915-1	L1678061-26	WO	N	1	2,2',3,4',5,5',6-HEPTACHLOROBIPHENYL	0.39	0.84 J,M	0.84 J	PG/L	TR/G4
BA6DC-WO35-0915-1	L1678061-26	WO	N	1	2,2',3,4',5',6-HEXACHLOROBIPHENYL	0.48	2.9 J,M	2.9 J	PG/L	K1/TR/G4
BA6DC-WO35-0915-1	L1678061-26	WO	N	1	2,2',3,4,5'-PENTACHLOROBIPHENYL/2,3',4,4',6-Pentachlorobiphenyl	0.73	5.8 J	5.8 J	PG/L	TR
BA6DC-WO35-0915-1	L1678061-26	WO	N	1	2,2',3,5,5',6-HEXACHLOROBIPHENYL	0.39	1.4 J,M	1.4 J	PG/L	TR/G4
BA6DC-WO35-0915-1	L1678061-26	WO	N	1	2,2',3,5'-TETRACHLOROBIPHENYL	0.75	15.1 J,B	15.1 J	PG/L	B1/TR

Automated Data Review Detail Report for L1678061

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Detected Results

Test Method: E1668C		Extraction Method: METHOD			Leach Method: NONE					
FieldSample ID	LabSample ID	Matrix	Type	Dilution	Analyte	MDL	Lab Result	Qualified Result	Units	Reason
BA6DC-WO35-0915-1	L1678061-26	WO	N	1	2,2',4,4',5,5'-HEXACHLOROBIPHENYL/2,3',4,4',5',6-HEXACHLOROBIPHENYL	0.39	3.4 J,M	3.4 J	PG/L	K1/TR/G4
BA6DC-WO35-0915-1	L1678061-26	WO	N	1	2,2',4,4',5-PENTACHLOROBIPHENYL	0.88	4.6 J	4.6 J	PG/L	TR
BA6DC-WO35-0915-1	L1678061-26	WO	N	1	2,2',4,5,5'-PENTACHLOROBIPHENYL	0.81	8.2 J	8.2 J	PG/L	K1/TR
BA6DC-WO35-0915-1	L1678061-26	WO	N	1	2,2',4,5'-TETRACHLOROBIPHENYL	0.70	6.4 J	6.4 J	PG/L	K1/TR
BA6DC-WO35-0915-1	L1678061-26	WO	N	1	2,2',5,5'-TETRACHLOROBIPHENYL	0.93	14.5 J,B	14.5 J	PG/L	B1/TR
BA6DC-WO35-0915-1	L1678061-26	WO	N	1	2,2',5-TRICHLOROBIPHENYL	1.7	4.0 J	4.0 J	PG/L	TR
BA6DC-WO35-0915-1	L1678061-26	WO	N	1	2,3,3',4,4'-PENTACHLOROBIPHENYL	0.47	3.2 J	3.2 J	PG/L	TR
BA6DC-WO35-0915-1	L1678061-26	WO	N	1	2,3,3',4',6-PENTACHLOROBIPHENYL	0.68	11.4 J	11.4 J	PG/L	B1/TR
BA6DC-WO35-0915-1	L1678061-26	WO	N	1	2,3',4,4',5-PENTACHLOROBIPHENYL	0.47	6.3 J	6.3 J	PG/L	K1/TR
BA6DC-WO35-0915-1	L1678061-26	WO	N	1	2,3',4,4'-TETRACHLOROBIPHENYL	0.81	9.2 J	9.2 J	PG/L	TR
BA6DC-WO35-0915-1	L1678061-26	WO	N	1	2,4,4'-TRICHLOROBIPHENYL	0.94	9.4 J	9.4 J	PG/L	TR
BA6DC-WO35-0915-1	L1678061-26	WO	N	1	2,4',5-TRICHLOROBIPHENYL	0.93	6.3 J	6.3 J	PG/L	TR
BA6DC-WO35-0915-1	L1678061-26	WO	N	1	3,4,4'-TRICHLOROBIPHENYL	1.1	1.3 J,M	1.3 J	PG/L	TR/G4
BA6DC-WO35-0915-1	L1678061-26	WO	N	1	PCB061/070/074/076	0.79	17.4	17.4 J	PG/L	B1
BA6DC-WO5-0915-1	L1678061-24	WO	N	1	2,2',3,3',4,4',5-HEPTACHLOROBIPHENYL	0.10	0.50 J,M	0.50 J	PG/L	TR/G4
BA6DC-WO5-0915-1	L1678061-24	WO	N	1	2,2',3,3',4,4'-HEXACHLOROBIPHENYL	0.069	0.20 J	0.20 J	PG/L	TR
BA6DC-WO5-0915-1	L1678061-24	WO	N	1	2,2',3,3',4,5',6'-HEPTACHLOROBIPHENYL	0.11	0.28 J,M	0.28 J	PG/L	TR/G4
BA6DC-WO5-0915-1	L1678061-24	WO	N	1	2,2',3,4,4',5,5'-HEPTACHLOROBIPHENYL	0.082	1.6 J,M	1.6 J	PG/L	B1/TR/G4
BA6DC-WO5-0915-1	L1678061-24	WO	N	1	2,2',3,4,4',5',6-HEPTACHLOROBIPHENYL	0.090	0.28 J	0.28 J	PG/L	TR
BA6DC-WO5-0915-1	L1678061-24	WO	N	1	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	0.074	1.3 J,M	1.3 J	PG/L	K1/B1/TR/G4
BA6DC-WO5-0915-1	L1678061-24	WO	N	1	2,2',3,4',5,5',6-HEPTACHLOROBIPHENYL	0.080	0.44 J	0.44 J	PG/L	TR
BA6DC-WO5-0915-1	L1678061-24	WO	N	1	2,2',3,4',5',6-HEXACHLOROBIPHENYL	0.075	0.82 J,B	0.82 J	PG/L	K1/B1/TR
BA6DC-WO5-0915-1	L1678061-24	WO	N	1	2,2',3,4,5'-PENTACHLOROBIPHENYL/2,3',4,4',6-Pentachlorobiphenyl	0.064	1.1 J	1.1 J	PG/L	TR

Automated Data Review Detail Report for L1678061

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Detected Results

Test Method: E1668C		Extraction Method: METHOD			Leach Method: NONE					
FieldSample ID	LabSample ID	Matrix	Type	Dilution	Analyte	MDL	Lab Result	Qualified Result	Units	Reason
BA6DC-WO5-0915-1	L1678061-24	WO	N	1	2,2',3,5,5',6-HEXACHLOROBIPHENYL	0.083	0.43 J,M	0.43 J	PG/L	TR/G4
BA6DC-WO5-0915-1	L1678061-24	WO	N	1	2,2',4,4',5,5'-HEXACHLOROBIPHENYL/2,3',4,4',5',6-HEXACHLOROBIPHENYL	0.064	0.99 J	0.99 J	PG/L	K1/B1/TR
BA6DC-WO5-0915-1	L1678061-24	WO	N	1	2,2',4,4',5-PENTACHLOROBIPHENYL	0.074	0.73 J	0.73 J	PG/L	TR
BA6DC-WO5-0915-1	L1678061-24	WO	N	1	2,2',4,5,5'-PENTACHLOROBIPHENYL	0.070	1.3 J,B	1.3 J	PG/L	K1/B1/TR
BA6DC-WO5-0915-1	L1678061-24	WO	N	1	2,2',4,5'-TETRACHLOROBIPHENYL	0.13	1.2 J	1.2 J	PG/L	K1/B1/TR
BA6DC-WO5-0915-1	L1678061-24	WO	N	1	2,2',5,5'-TETRACHLOROBIPHENYL	0.15	2.6 J,B	2.6 J	PG/L	K1/B1/TR
BA6DC-WO5-0915-1	L1678061-24	WO	N	1	2,3,3',4,4',5'-Hexachlorobiphenyl/2,3,3',4,4',5'-Hexachlorobiphenyl	0.077	0.24 J	0.24 J	PG/L	TR
BA6DC-WO5-0915-1	L1678061-24	WO	N	1	2,3,3',4,4',6-HEXACHLOROBIPHENYL	0.056	0.084 J,M	0.084 J	PG/L	TR/G4
BA6DC-WO5-0915-1	L1678061-24	WO	N	1	2,3,3',4,4'-PENTACHLOROBIPHENYL	0.077	0.46 J	0.46 J	PG/L	B1/TR
BA6DC-WO5-0915-1	L1678061-24	WO	N	1	2,3,3',4',6-PENTACHLOROBIPHENYL	0.059	1.7 J	1.7 J	PG/L	K1/B1/TR
BA6DC-WO5-0915-1	L1678061-24	WO	N	1	2,3',4,4',5,5'-HEXACHLOROBIPHENYL	0.054	0.16 J	0.16 J	PG/L	TR
BA6DC-WO5-0915-1	L1678061-24	WO	N	1	2,3',4,4'-TETRACHLOROBIPHENYL	0.19	1.1 J,M	1.1 J	PG/L	B1/TR/G4
BA6DC-WO5-0915-1	L1678061-24	WO	N	1	PCB061/070/074/076	0.18	2.0 J,B	2.0 J	PG/L	B1/K1/TR
BA7DC-WO20-0915-1	L1678061-28	WO	N	1	2,2',3,3',4,4'-HEXACHLOROBIPHENYL	0.17	0.33 J,M	0.33 J	PG/L	B1/TR/G4
BA7DC-WO20-0915-1	L1678061-28	WO	N	1	2,2',3,3',4,5',6'-HEPTACHLOROBIPHENYL	0.21	0.23 J,M	0.23 J	PG/L	TR/G4
BA7DC-WO20-0915-1	L1678061-28	WO	N	1	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	0.18	2.2 J,B	2.2 J	PG/L	B1/TR
BA7DC-WO20-0915-1	L1678061-28	WO	N	1	2,2',3,4',5,5',6'-HEPTACHLOROBIPHENYL	0.16	0.31 J,M	0.31 J	PG/L	B1/TR/G4
BA7DC-WO20-0915-1	L1678061-28	WO	N	1	2,2',3,4',5',6-HEXACHLOROBIPHENYL	0.18	1.8 J,B	1.8 J	PG/L	B1/TR
BA7DC-WO20-0915-1	L1678061-28	WO	N	1	2,2',3,4,5'-PENTACHLOROBIPHENYL/2,3',4,4',6-Pentachlorobiphenyl	0.23	2.2 J,M	2.2 J	PG/L	B1/TR/G4
BA7DC-WO20-0915-1	L1678061-28	WO	N	1	2,2',3,5'-TETRACHLOROBIPHENYL	0.30	7.2 J	7.2 J	PG/L	B1/TR
BA7DC-WO20-0915-1	L1678061-28	WO	N	1	2,2',4,4',5,5'-HEXACHLOROBIPHENYL/2,3',4,4',5',6-HEXACHLOROBIPHENYL	0.15	1.7 J,B	1.7 J	PG/L	B1/TR
BA7DC-WO20-0915-1	L1678061-28	WO	N	1	2,2',4,4',5-PENTACHLOROBIPHENYL	0.27	1.9 J,M	1.9 J	PG/L	B1/TR/G4
BA7DC-WO20-0915-1	L1678061-28	WO	N	1	2,2',4,5,5'-PENTACHLOROBIPHENYL	0.25	2.9 J,B	2.9 J	PG/L	B1/TR

Automated Data Review Detail Report for L1678061

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Detected Results

Test Method: E1668C		Extraction Method: METHOD			Leach Method: NONE					
FieldSample ID	LabSample ID	Matrix	Type	Dilution	Analyte	MDL	Lab Result	Qualified Result	Units	Reason
BA7DC-WO20-0915-1	L1678061-28	WO	N	1	2,2',4,5'-TETRACHLOROBIPHENYL	0.29	2.9 J,B	2.9 J	PG/L	B1/TR
BA7DC-WO20-0915-1	L1678061-28	WO	N	1	2,2',5,5'-TETRACHLOROBIPHENYL	0.37	5.4 J,B	5.4 J	PG/L	B1/TR
BA7DC-WO20-0915-1	L1678061-28	WO	N	1	2,3,3',4,4',6-HEXACHLOROBIPHENYL	0.13	0.24 J	0.24 J	PG/L	B1/TR
BA7DC-WO20-0915-1	L1678061-28	WO	N	1	2,3,3',4,4'-PENTACHLOROBIPHENYL	0.18	0.79 J,M	0.79 J	PG/L	B1/TR/G4
BA7DC-WO20-0915-1	L1678061-28	WO	N	1	2,3,3',4',6-PENTACHLOROBIPHENYL	0.21	4.1 J	4.1 J	PG/L	B1/TR
BA7DC-WO20-0915-1	L1678061-28	WO	N	1	2,3',4,4',5-PENTACHLOROBIPHENYL	0.18	2.3 J,B	2.3 J	PG/L	B1/TR
BA7DC-WO20-0915-1	L1678061-28	WO	N	1	2,3',4,4'-TETRACHLOROBIPHENYL	0.26	2.8 J,B	2.8 J	PG/L	B1/TR
BA7DC-WO20-0915-1	L1678061-28	WO	N	1	2,4,4'-TRICHLOROBIPHENYL	0.34	5.6 J,B	5.6 J	PG/L	B1/TR
BA7DC-WO20-0915-1	L1678061-28	WO	N	1	2,4',5-TRICHLOROBIPHENYL	0.34	4.0 J,B	4.0 J	PG/L	B1/TR
BA7DC-WO20-0915-1	L1678061-28	WO	N	1	2,4'-DICHLOROBIPHENYL	2.4	4.8 J,M	4.8 J	PG/L	TR/G4
BA7DC-WO20-0915-1	L1678061-28	WO	N	1	PCB061/070/074/076	0.26	4.1 J,B	4.1 J	PG/L	B1/TR
BA7DC-WO35-0915-1	L1678061-29	WO	N	1	2,2',3,3',4,4',5-HEPTACHLOROBIPHENYL	0.10	0.27 J,M	0.27 J	PG/L	TR/G4
BA7DC-WO35-0915-1	L1678061-29	WO	N	1	2,2',3,3',4,4'-HEXACHLOROBIPHENYL	0.11	0.46 J,M	0.46 J	PG/L	TR/G4
BA7DC-WO35-0915-1	L1678061-29	WO	N	1	2,2',3,3',4,5',6'-HEPTACHLOROBIPHENYL	0.11	0.22 J	0.22 J	PG/L	TR
BA7DC-WO35-0915-1	L1678061-29	WO	N	1	2,2',3,4,4',5,5'-HEPTACHLOROBIPHENYL	0.080	0.63 J,B	0.63 J	PG/L	B1/TR
BA7DC-WO35-0915-1	L1678061-29	WO	N	1	2,2',3,4,4',5',6'-HEPTACHLOROBIPHENYL	0.093	0.19 J,M	0.19 J	PG/L	TR/G4
BA7DC-WO35-0915-1	L1678061-29	WO	N	1	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	0.12	3.2 J	3.2 J	PG/L	K1/B1/TR
BA7DC-WO35-0915-1	L1678061-29	WO	N	1	2,2',3,4',5,5',6'-HEPTACHLOROBIPHENYL	0.083	0.45 J	0.45 J	PG/L	TR
BA7DC-WO35-0915-1	L1678061-29	WO	N	1	2,2',3,4',5',6-HEXACHLOROBIPHENYL	0.12	2.5 J,B	2.5 J	PG/L	K1/B1/TR
BA7DC-WO35-0915-1	L1678061-29	WO	N	1	2,2',3,4,5'-PENTACHLOROBIPHENYL/2,3',4,4',6-Pentachlorobiphenyl	0.15	4.8 J	4.8 J	PG/L	TR
BA7DC-WO35-0915-1	L1678061-29	WO	N	1	2,2',3,5,5',6-HEXACHLOROBIPHENYL	0.094	1.1 J,M	1.1 J	PG/L	TR/G4
BA7DC-WO35-0915-1	L1678061-29	WO	N	1	2,2',3,5'-TETRACHLOROBIPHENYL	0.18	9.8 J,B	9.8 J	PG/L	K1/B1/TR
BA7DC-WO35-0915-1	L1678061-29	WO	N	1	2,2',4,4',5,5'-HEXACHLOROBIPHENYL/2,3',4,4',5',6-HEXACHLOROBIPHENYL	0.10	2.2 J,M	2.2 J	PG/L	K1/B1/TR/G4

Automated Data Review Detail Report for L1678061

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Detected Results

Test Method: E1668C		Extraction Method: METHOD			Leach Method: NONE					
FieldSample ID	LabSample ID	Matrix	Type	Dilution	Analyte	MDL	Lab Result	Qualified Result	Units	Reason
BA7DC-WO35-0915-1	L1678061-29	WO	N	1	2,2',4,4',5-PENTACHLOROBIPHENYL	0.18	4.0 J	4.0 J	PG/L	TR
BA7DC-WO35-0915-1	L1678061-29	WO	N	1	2,2',4,5,5'-PENTACHLOROBIPHENYL	0.17	6.9 J,B	6.9 J	PG/L	K1/B1/TR
BA7DC-WO35-0915-1	L1678061-29	WO	N	1	2,2',4,5'-TETRACHLOROBIPHENYL	0.17	4.9 J	4.9 J	PG/L	K1/B1/TR
BA7DC-WO35-0915-1	L1678061-29	WO	N	1	2,2',5,5'-TETRACHLOROBIPHENYL	0.21	10.1 J,B	10.1 J	PG/L	K1/B1/TR
BA7DC-WO35-0915-1	L1678061-29	WO	N	1	2,2',5-TRICHLOROBIPHENYL	0.20	3.1 J,B	3.1 J	PG/L	B1/TR
BA7DC-WO35-0915-1	L1678061-29	WO	N	1	2,3,3',4,4',5-Hexachlorobiphenyl/2,3,3',4,4',5'-Hexachlorobiphenyl	0.12	0.44 J,M	0.44 J	PG/L	TR/G4
BA7DC-WO35-0915-1	L1678061-29	WO	N	1	2,3,3',4,4',6-HEXACHLOROBIPHENYL	0.089	0.30 J	0.30 J	PG/L	TR
BA7DC-WO35-0915-1	L1678061-29	WO	N	1	2,3,3',4,4'-PENTACHLOROBIPHENYL	0.11	2.1 J	2.1 J	PG/L	B1/TR
BA7DC-WO35-0915-1	L1678061-29	WO	N	1	2,3,3',4',6-PENTACHLOROBIPHENYL	0.14	10.2 J	10.2 J	PG/L	K1/B1/TR
BA7DC-WO35-0915-1	L1678061-29	WO	N	1	2,3',4,4',5,5'-HEXACHLOROBIPHENYL	0.095	0.18 J	0.18 J	PG/L	TR
BA7DC-WO35-0915-1	L1678061-29	WO	N	1	2,3,4,4',5-PENTACHLOROBIPHENYL	0.11	0.17 J	0.17 J	PG/L	TR
BA7DC-WO35-0915-1	L1678061-29	WO	N	1	2,3',4,4',5-PENTACHLOROBIPHENYL	0.11	4.5 J,B	4.5 J	PG/L	K1/B1/TR
BA7DC-WO35-0915-1	L1678061-29	WO	N	1	2,3',4,4'-TETRACHLOROBIPHENYL	0.19	6.8 J	6.8 J	PG/L	B1/TR
BA7DC-WO35-0915-1	L1678061-29	WO	N	1	2,4,4'-TRICHLOROBIPHENYL	0.22	6.2 J,B	6.2 J	PG/L	B1/TR
BA7DC-WO35-0915-1	L1678061-29	WO	N	1	2,4',5-TRICHLOROBIPHENYL	0.22	4.9 J,B	4.9 J	PG/L	B1/TR
BA7DC-WO35-0915-1	L1678061-29	WO	N	1	3,3',4,4'-TETRACHLOROBIPHENYL	0.20	0.45 J	0.45 J	PG/L	TR
BA7DC-WO35-0915-1	L1678061-29	WO	N	1	3,4,4'-TRICHLOROBIPHENYL	0.25	1.3 J,B	1.3 J	PG/L	B1/TR
BA7DC-WO35-0915-1	L1678061-29	WO	N	1	PCB061/070/074/076	0.19	12.2 J,B	12.2 J	PG/L	B1/K1/TR
BA7DC-WO38-0915-1	L1678061-30	WO	FR	1	2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	0.055	1.5 J,B	1.5 J	PG/L	K1/B1/TR
BA7DC-WO38-0915-1	L1678061-30	WO	FR	1	2,2',3,3',4,4',5,5'-OCTACHLOROBIPHENYL	0.072	0.27 J,M	0.27 J	PG/L	TR/G4/D5
BA7DC-WO38-0915-1	L1678061-30	WO	FR	1	2,2',3,3',4,4',5,6-OCTACHLOROBIPHENYL	0.079	0.15 J,M	0.15 J	PG/L	TR/G4
BA7DC-WO38-0915-1	L1678061-30	WO	FR	1	2,2',3,3',4,4',5-HEPTACHLOROBIPHENYL	0.066	0.72 J	0.72 J	PG/L	TR/D5
BA7DC-WO38-0915-1	L1678061-30	WO	FR	1	2,2',3,3',4,4'-HEXACHLOROBIPHENYL	0.065	0.50 J,M	0.50 J	PG/L	TR/G4
BA7DC-WO38-0915-1	L1678061-30	WO	FR	1	2,2',3,3',4,5',6'-HEPTACHLOROBIPHENYL	0.067	0.34 J,M	0.34 J	PG/L	TR/G4/D5

Automated Data Review Detail Report for L1678061

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Detected Results

Test Method: E1668C		Extraction Method: METHOD			Leach Method: NONE					
FieldSample ID	LabSample ID	Matrix	Type	Dilution	Analyte	MDL	Lab Result	Qualified Result	Units	Reason
BA7DC-WO38-0915-1	L1678061-30	WO	FR	1	2,2',3,4,4',5,5'-HEPTACHLOROBIPHENYL	0.051	1.4 J,B	1.4 J	PG/L	B1/TR/D5
BA7DC-WO38-0915-1	L1678061-30	WO	FR	1	2,2',3,4,4',5,6-HEPTACHLOROBIPHENYL	0.061	0.41 J	0.41 J	PG/L	TR/D5
BA7DC-WO38-0915-1	L1678061-30	WO	FR	1	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	0.070	4.3 J	4.3 J	PG/L	K1/B1/TR
BA7DC-WO38-0915-1	L1678061-30	WO	FR	1	2,2',3,4',5,5',6-HEPTACHLOROBIPHENYL	0.052	0.75 J	0.75 J	PG/L	TR/D5
BA7DC-WO38-0915-1	L1678061-30	WO	FR	1	2,2',3,4,5'-PENTACHLOROBIPHENYL/2,3',4,4',6-Pentachlorobiphenyl	0.16	3.9 J	3.9 J	PG/L	TR
BA7DC-WO38-0915-1	L1678061-30	WO	FR	1	2,2',3,5,5',6-HEXACHLOROBIPHENYL	0.062	1.2 J	1.2 J	PG/L	TR
BA7DC-WO38-0915-1	L1678061-30	WO	FR	1	2,2',3,5'-TETRACHLOROBIPHENYL	0.083	7.0 J,B	7.0 J	PG/L	K1/B1/TR
BA7DC-WO38-0915-1	L1678061-30	WO	FR	1	2,2',4,4',5,5'-HEXACHLOROBIPHENYL/2,3',4,4',5',6-HEXACHLOROBIPHENYL	0.060	3.2 J	3.2 J	PG/L	K1/B1/TR
BA7DC-WO38-0915-1	L1678061-30	WO	FR	1	2,2',4,4',5-PENTACHLOROBIPHENYL	0.19	3.3 J	3.3 J	PG/L	TR
BA7DC-WO38-0915-1	L1678061-30	WO	FR	1	2,2',4,5,5'-PENTACHLOROBIPHENYL	0.17	5.5 J,B	5.5 J	PG/L	K1/B1/TR
BA7DC-WO38-0915-1	L1678061-30	WO	FR	1	2,2',4,5'-TETRACHLOROBIPHENYL	0.076	3.4 J	3.4 J	PG/L	K1/B1/TR
BA7DC-WO38-0915-1	L1678061-30	WO	FR	1	2,2',5,5'-TETRACHLOROBIPHENYL	0.097	7.3 J,B	7.3 J	PG/L	K1/B1/TR
BA7DC-WO38-0915-1	L1678061-30	WO	FR	1	2,3,3',4,4',5-Hexachlorobiphenyl/2,3,3',4,4',5'-Hexachlorobiphenyl	0.077	0.47 J,M	0.47 J	PG/L	TR/G4
BA7DC-WO38-0915-1	L1678061-30	WO	FR	1	2,3,3',4,4',6-HEXACHLOROBIPHENYL	0.051	0.37 J,M	0.37 J	PG/L	TR/G4
BA7DC-WO38-0915-1	L1678061-30	WO	FR	1	2,3,3',4,4'-PENTACHLOROBIPHENYL	0.098	2.3 J	2.3 J	PG/L	B1/TR/D5
BA7DC-WO38-0915-1	L1678061-30	WO	FR	1	2,3,3',4',6-PENTACHLOROBIPHENYL	0.15	7.6 J	7.6 J	PG/L	K1/B1/TR
BA7DC-WO38-0915-1	L1678061-30	WO	FR	1	2,3',4,4',5,5'-HEXACHLOROBIPHENYL	0.058	0.21 J,M	0.21 J	PG/L	TR/G4/D5
BA7DC-WO38-0915-1	L1678061-30	WO	FR	1	2',3,4,4',5-PENTACHLOROBIPHENYL	0.099	0.14 J,M	0.14 J	PG/L	TR/G4
BA7DC-WO38-0915-1	L1678061-30	WO	FR	1	2,3',4,4',5-PENTACHLOROBIPHENYL	0.10	5.5 J,B	5.5 J	PG/L	K1/B1/TR
BA7DC-WO38-0915-1	L1678061-30	WO	FR	1	2,3',4,4'-TETRACHLOROBIPHENYL	0.11	5.9 J	5.9 J	PG/L	B1/TR
BA7DC-WO38-0915-1	L1678061-30	WO	FR	1	2,4,4'-TRICHLOROBIPHENYL	0.15	5.6 J,B	5.6 J	PG/L	B1/TR
BA7DC-WO38-0915-1	L1678061-30	WO	FR	1	2,4',5-TRICHLOROBIPHENYL	0.15	3.9 J,B	3.9 J	PG/L	B1/TR
BA7DC-WO38-0915-1	L1678061-30	WO	FR	1	3,3',4,4'-TETRACHLOROBIPHENYL	0.11	0.48 J	0.48 J	PG/L	TR/D5

Automated Data Review Detail Report for L1678061

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Detected Results

Test Method: E1668C		Extraction Method: METHOD			Leach Method: NONE					
FieldSample ID	LabSample ID	Matrix	Type	Dilution	Analyte	MDL	Lab Result	Qualified Result	Units	Reason
BA7DC-WO38-0915-1	L1678061-30	WO	FR	1	PCB061/070/074/076	0.10	9.5 J,B	9.5 J	PG/L	B1/K1/TR
BA7DC-WO38-0915-2	L1678061-31	WO	N	1	2,2',3,3',4,4',5,5'-OCTACHLOROBIPHENYL	0.12	0.16 J	0.16 J	PG/L	TR/D5
BA7DC-WO38-0915-2	L1678061-31	WO	N	1	2,2',3,3',4,4',5-HEPTACHLOROBIPHENYL	0.15	0.27 J	0.27 J	PG/L	TR/D5
BA7DC-WO38-0915-2	L1678061-31	WO	N	1	2,2',3,3',4,4'-HEXACHLOROBIPHENYL	0.11	0.46 J	0.46 J	PG/L	TR
BA7DC-WO38-0915-2	L1678061-31	WO	N	1	2,2',3,4,4',5,5',6-OCTACHLOROBIPHENYL	0.11	0.16 J,M	0.16 J	PG/L	TR/G4/D5
BA7DC-WO38-0915-2	L1678061-31	WO	N	1	2,2',3,4,4',5,5'-HEPTACHLOROBIPHENYL	0.12	0.83 J,B	0.83 J	PG/L	B1/TR/D5
BA7DC-WO38-0915-2	L1678061-31	WO	N	1	2,2',3,4,4',5,6-HEPTACHLOROBIPHENYL	0.14	0.24 J	0.24 J	PG/L	TR/D5
BA7DC-WO38-0915-2	L1678061-31	WO	N	1	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	0.12	3.3 J	3.3 J	PG/L	K1/B1/TR/D5
BA7DC-WO38-0915-2	L1678061-31	WO	N	1	2,2',3,4',5,5',6-HEPTACHLOROBIPHENYL	0.13	0.44 J,M	0.44 J	PG/L	TR/G4/D5
BA7DC-WO38-0915-2	L1678061-31	WO	N	1	2,2',3,4',5',6-HEXACHLOROBIPHENYL	0.12	2.0 J,M	2.0 J	PG/L	K1/B1/TR/G4/D5
BA7DC-WO38-0915-2	L1678061-31	WO	N	1	2,2',3,4,5'-PENTACHLOROBIPHENYL/2,3',4,4',6-Pentachlorobiphenyl	0.13	2.6 J,M	2.6 J	PG/L	TR/G4
BA7DC-WO38-0915-2	L1678061-31	WO	N	1	2,2',3,5,5',6-HEXACHLOROBIPHENYL	0.13	1.0 J	1.0 J	PG/L	TR
BA7DC-WO38-0915-2	L1678061-31	WO	N	1	2,2',3,5'-TETRACHLOROBIPHENYL	0.15	7.3 J,B	7.3 J	PG/L	K1/B1/TR
BA7DC-WO38-0915-2	L1678061-31	WO	N	1	2,2',4,4',5,5'-HEXACHLOROBIPHENYL/2,3',4,4',5',6-HEXACHLOROBIPHENYL	0.097	2.2 J	2.2 J	PG/L	K1/B1/TR
BA7DC-WO38-0915-2	L1678061-31	WO	N	1	2,2',4,4',5-PENTACHLOROBIPHENYL	0.16	2.9 J,M	2.9 J	PG/L	TR/G4
BA7DC-WO38-0915-2	L1678061-31	WO	N	1	2,2',4,5,5'-PENTACHLOROBIPHENYL	0.15	5.2 J,B	5.2 J	PG/L	K1/B1/TR
BA7DC-WO38-0915-2	L1678061-31	WO	N	1	2,2',4,5'-TETRACHLOROBIPHENYL	0.14	3.3 J	3.3 J	PG/L	K1/B1/TR
BA7DC-WO38-0915-2	L1678061-31	WO	N	1	2,2',5,5'-TETRACHLOROBIPHENYL	0.17	7.0 J,B	7.0 J	PG/L	K1/B1/TR
BA7DC-WO38-0915-2	L1678061-31	WO	N	1	2,3,3',4,4',5'-Hexachlorobiphenyl/2,3,3',4,4',5'-Hexachlorobiphenyl	0.12	0.43 J	0.43 J	PG/L	TR/D5
BA7DC-WO38-0915-2	L1678061-31	WO	N	1	2,3,3',4,4',6-HEXACHLOROBIPHENYL	0.085	0.28 J	0.28 J	PG/L	TR/D5
BA7DC-WO38-0915-2	L1678061-31	WO	N	1	2,3,3',4,4'-PENTACHLOROBIPHENYL	0.12	4.0 J	4.0 J	PG/L	B1/TR/D5

Automated Data Review Detail Report for L1678061

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Detected Results

Test Method: E1668C		Extraction Method: METHOD			Leach Method: NONE					
FieldSample ID	LabSample ID	Matrix	Type	Dilution	Analyte	MDL	Lab Result	Qualified Result	Units	Reason
BA7DC-WO38-0915-2	L1678061-31	WO	N	1	2,3,3',4',6-PENTACHLOROBIPHENYL	0.12	8.7 J	8.7 J	PG/L	K1/B1/TR/D5
BA7DC-WO38-0915-2	L1678061-31	WO	N	1	2,3,4,4',5-PENTACHLOROBIPHENYL	0.11	0.24 J	0.24 J	PG/L	TR/D5
BA7DC-WO38-0915-2	L1678061-31	WO	N	1	2',3,4,4',5-PENTACHLOROBIPHENYL	0.13	0.18 J,M	0.18 J	PG/L	TR/G4/D5
BA7DC-WO38-0915-2	L1678061-31	WO	N	1	2,3',4,4',5-PENTACHLOROBIPHENYL	0.12	4.9 J,M	4.9 J	PG/L	K1/B1/TR/G4/D5
BA7DC-WO38-0915-2	L1678061-31	WO	N	1	2,3',4,4'-TETRACHLOROBIPHENYL	0.24	7.7 J	7.7 J	PG/L	B1/TR/D5
BA7DC-WO38-0915-2	L1678061-31	WO	N	1	2,4,4'-TRICHLOROBIPHENYL	0.26	4.6 J,B	4.6 J	PG/L	B1/TR
BA7DC-WO38-0915-2	L1678061-31	WO	N	1	2,4',5-TRICHLOROBIPHENYL	0.26	3.8 J,B	3.8 J	PG/L	B1/TR
BA7DC-WO38-0915-2	L1678061-31	WO	N	1	3,3',4,4',5,5'-HEXACHLOROBIPHENYL	0.096	0.12 J	0.12 J	PG/L	TR/D5
BA7DC-WO38-0915-2	L1678061-31	WO	N	1	3,3',4,4'-TETRACHLOROBIPHENYL	0.25	1.3 J,M	1.3 J	PG/L	TR/G4/D5
BA7DC-WO38-0915-2	L1678061-31	WO	N	1	3,4,4'-TRICHLOROBIPHENYL	0.30	1.8 J,B	1.8 J	PG/L	B1/TR/D5
BA7DC-WO38-0915-2	L1678061-31	WO	N	1	PCB061/070/074/076	0.24	11.1 J,B	11.1 J	PG/L	B1/K1/TR
BA7DC-WO38-0915-3	L1678061-32	WO	FD	1	2,2',3,3',4,4',5-HEPTACHLOROBIPHENYL	0.11	0.24 J,M	0.24 J	PG/L	TR/G4
BA7DC-WO38-0915-3	L1678061-32	WO	FD	1	2,2',3,3',4,4'-HEXACHLOROBIPHENYL	0.10	0.36 J,M	0.36 J	PG/L	TR/G4
BA7DC-WO38-0915-3	L1678061-32	WO	FD	1	2,2',3,4,4',5,5',6-OCTACHLOROBIPHENYL	0.078	0.11 J	0.11 J	PG/L	TR/D5
BA7DC-WO38-0915-3	L1678061-32	WO	FD	1	2,2',3,4,4',5,5'-HEPTACHLOROBIPHENYL	0.088	0.47 J,B	0.47 J	PG/L	B1/TR/D5
BA7DC-WO38-0915-3	L1678061-32	WO	FD	1	2,2',3,4,4',5',6-HEPTACHLOROBIPHENYL	0.10	0.15 J,M	0.15 J	PG/L	TR/G4/D5
BA7DC-WO38-0915-3	L1678061-32	WO	FD	1	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	0.11	1.9 J	1.9 J	PG/L	K1/B1/TR/D5
BA7DC-WO38-0915-3	L1678061-32	WO	FD	1	2,2',3,4',5',6-HEPTACHLOROBIPHENYL	0.092	0.27 J,M	0.27 J	PG/L	TR/G4/D5
BA7DC-WO38-0915-3	L1678061-32	WO	FD	1	2,2',3,4',5',6-HEXACHLOROBIPHENYL	0.12	1.7 J,M	1.7 J	PG/L	K1/B1/TR/G4
BA7DC-WO38-0915-3	L1678061-32	WO	FD	1	2,2',3,4,5'-PENTACHLOROBIPHENYL/2,3',4,4',6-Pentachlorobiphenyl	0.21	3.2 J	3.2 J	PG/L	TR
BA7DC-WO38-0915-3	L1678061-32	WO	FD	1	2,2',3,5,5',6-HEXACHLOROBIPHENYL	0.087	0.76 J,M	0.76 J	PG/L	TR/G4
BA7DC-WO38-0915-3	L1678061-32	WO	FD	1	2,2',3,5'-TETRACHLOROBIPHENYL	0.17	9.5 J,B	9.5 J	PG/L	K1/B1/TR
BA7DC-WO38-0915-3	L1678061-32	WO	FD	1	2,2',4,4',5,5'-HEXACHLOROBIPHENYL/2,3',4,4',5',6-HEXACHLOROBIPHENYL	0.095	1.8 J	1.8 J	PG/L	K1/B1/TR

Automated Data Review Detail Report for L1678061

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Detected Results

Test Method: E1668C		Extraction Method: METHOD			Leach Method: NONE					
FieldSample ID	LabSample ID	Matrix	Type	Dilution	Analyte	MDL	Lab Result	Qualified Result	Units	Reason
BA7DC-WO38-0915-3	L1678061-32	WO	FD	1	2,2',4,4',5-PENTACHLOROBIPHENYL	0.26	2.7 J	2.7 J	PG/L	TR
BA7DC-WO38-0915-3	L1678061-32	WO	FD	1	2,2',4,5,5'-PENTACHLOROBIPHENYL	0.24	4.6 J,B	4.6 J	PG/L	K1/B1/TR
BA7DC-WO38-0915-3	L1678061-32	WO	FD	1	2,2',4,5'-TETRACHLOROBIPHENYL	0.16	3.2 J,M	3.2 J	PG/L	K1/B1/TR/G4
BA7DC-WO38-0915-3	L1678061-32	WO	FD	1	2,2',5,5'-TETRACHLOROBIPHENYL	0.20	7.0 J,B	7.0 J	PG/L	K1/B1/TR
BA7DC-WO38-0915-3	L1678061-32	WO	FD	1	2,2',5-TRICHLOROBIPHENYL	0.28	3.1 J,B	3.1 J	PG/L	B1/TR/D5
BA7DC-WO38-0915-3	L1678061-32	WO	FD	1	2,3,3',4,4',5'-Hexachlorobiphenyl/2,3,3',4,4',5'-Hexachlorobiphenyl	0.11	0.18 J	0.18 J	PG/L	TR/D5
BA7DC-WO38-0915-3	L1678061-32	WO	FD	1	2,3,3',4,4',6-HEXACHLOROBIPHENYL	0.083	0.17 J,M	0.17 J	PG/L	TR/G4/D5
BA7DC-WO38-0915-3	L1678061-32	WO	FD	1	2,3,3',4,4'-PENTACHLOROBIPHENYL	0.11	1.5 J	1.5 J	PG/L	B1/TR/D5
BA7DC-WO38-0915-3	L1678061-32	WO	FD	1	2,3,3',4',6-PENTACHLOROBIPHENYL	0.20	5.7 J	5.7 J	PG/L	K1/B1/TR/D5
BA7DC-WO38-0915-3	L1678061-32	WO	FD	1	2,3,4,4',5-PENTACHLOROBIPHENYL	0.11	0.19 J	0.19 J	PG/L	TR
BA7DC-WO38-0915-3	L1678061-32	WO	FD	1	2,3',4,4',5-PENTACHLOROBIPHENYL	0.11	3.3 J,B	3.3 J	PG/L	K1/B1/TR/D5
BA7DC-WO38-0915-3	L1678061-32	WO	FD	1	2,3',4,4'-TETRACHLOROBIPHENYL	0.17	4.8 J	4.8 J	PG/L	B1/TR/D5
BA7DC-WO38-0915-3	L1678061-32	WO	FD	1	2,4,4'-TRICHLOROBIPHENYL	0.27	4.8 J,B	4.8 J	PG/L	B1/TR
BA7DC-WO38-0915-3	L1678061-32	WO	FD	1	2,4',5-TRICHLOROBIPHENYL	0.27	4.1 J,B	4.1 J	PG/L	B1/TR
BA7DC-WO38-0915-3	L1678061-32	WO	FD	1	3,3',4,4'-TETRACHLOROBIPHENYL	0.17	0.27 J,M	0.27 J	PG/L	TR/G4/D5
BA7DC-WO38-0915-3	L1678061-32	WO	FD	1	PCB061/070/074/076	0.17	8.2 J,B	8.2 J	PG/L	B1/K1/TR
BA7DC-WO5-0915-1	L1678061-27	WO	N	1	2,2',3,4',5,5',6-HEPTACHLOROBIPHENYL	0.092	0.20 J,M	0.20 J	PG/L	TR/G4
BA7DC-WO5-0915-1	L1678061-27	WO	N	1	2,2',3,4',5',6-HEXACHLOROBIPHENYL	0.13	0.73 J,B	0.73 J	PG/L	K1/B1/TR
BA7DC-WO5-0915-1	L1678061-27	WO	N	1	2,2',3,4,5'-PENTACHLOROBIPHENYL/2,3',4,4',6-Pentachlorobiphenyl	0.13	1.0 J,M	1.0 J	PG/L	TR/G4
BA7DC-WO5-0915-1	L1678061-27	WO	N	1	2,2',3,5,5',6-HEXACHLOROBIPHENYL	0.090	0.33 J	0.33 J	PG/L	TR
BA7DC-WO5-0915-1	L1678061-27	WO	N	1	2,2',4,4',5,5'-HEXACHLOROBIPHENYL/2,3',4,4',5',6-HEXACHLOROBIPHENYL	0.11	0.80 J	0.80 J	PG/L	K1/B1/TR
BA7DC-WO5-0915-1	L1678061-27	WO	N	1	2,2',4,4',5-PENTACHLOROBIPHENYL	0.15	0.83 J	0.83 J	PG/L	TR
BA7DC-WO5-0915-1	L1678061-27	WO	N	1	2,2',4,5,5'-PENTACHLOROBIPHENYL	0.14	1.3 J,B	1.3 J	PG/L	K1/B1/TR
BA7DC-WO5-0915-1	L1678061-27	WO	N	1	2,2',5,5'-TETRACHLOROBIPHENYL	0.21	2.4 J,B	2.4 J	PG/L	K1/B1/TR

Automated Data Review Detail Report for L1678061

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Detected Results

Test Method: E1668C		Extraction Method: METHOD			Leach Method: NONE					
FieldSample ID	LabSample ID	Matrix	Type	Dilution	Analyte	MDL	Lab Result	Qualified Result	Units	Reason
BA7DC-WO5-0915-1	L1678061-27	WO	N	1	2,3,3',4',6-PENTACHLOROBIPHENYL	0.12	1.8 J	1.8 J	PG/L	K1/B1/TR
BA7DC-WO5-0915-1	L1678061-27	WO	N	1	2,3',4,4'-TETRACHLOROBIPHENYL	0.23	1.2 J	1.2 J	PG/L	B1/TR
W2-WO100-0915-1	L1678061-34	WO	N	1	2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	0.19	0.38 J,M	0.38 J	PG/L	TR/G4
W2-WO100-0915-1	L1678061-34	WO	N	1	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	0.31	1.8 J	1.8 J	PG/L	TR
W2-WO100-0915-1	L1678061-34	WO	N	1	2,2',3,4',5',6-HEXACHLOROBIPHENYL	0.33	1.3 J,M	1.3 J	PG/L	TR/G4
W2-WO100-0915-1	L1678061-34	WO	N	1	2,2',3,4,5'-PENTACHLOROBIPHENYL/2,3',4,4',6-Pentachlorobiphenyl	0.40	1.2 J,M	1.2 J	PG/L	TR/G4
W2-WO100-0915-1	L1678061-34	WO	N	1	2,2',3,5'-TETRACHLOROBIPHENYL	0.63	7.1 J,B	7.1 J	PG/L	B1/TR
W2-WO100-0915-1	L1678061-34	WO	N	1	2,2',4,4',5,5'-HEXACHLOROBIPHENYL/2,3',4,4',5',6-HEXACHLOROBIPHENYL	0.27	1.4 J	1.4 J	PG/L	TR
W2-WO100-0915-1	L1678061-34	WO	N	1	2,2',4,5,5'-PENTACHLOROBIPHENYL	0.44	1.8 J,M	1.8 J	PG/L	TR/G4
W2-WO100-0915-1	L1678061-34	WO	N	1	2,2',4,5'-TETRACHLOROBIPHENYL	0.59	1.7 J	1.7 J	PG/L	TR
W2-WO100-0915-1	L1678061-34	WO	N	1	2,2',5,5'-TETRACHLOROBIPHENYL	0.78	3.7 J,M	3.7 J	PG/L	B1/TR/G4
W2-WO100-0915-1	L1678061-34	WO	N	1	2,2',5-TRICHLOROBIPHENYL	0.85	2.2 J,M	2.2 J	PG/L	TR/G4
W2-WO100-0915-1	L1678061-34	WO	N	1	2,3,3',4,4'-PENTACHLOROBIPHENYL	0.35	1.2 J	1.2 J	PG/L	TR
W2-WO100-0915-1	L1678061-34	WO	N	1	2,3,3',4',6-PENTACHLOROBIPHENYL	0.37	2.9 J	2.9 J	PG/L	B1/TR
W2-WO100-0915-1	L1678061-34	WO	N	1	2,3',4,4',5-PENTACHLOROBIPHENYL	0.33	1.7 J	1.7 J	PG/L	TR
W2-WO100-0915-1	L1678061-34	WO	N	1	2,3',4,4'-TETRACHLOROBIPHENYL	0.49	2.1 J,M	2.1 J	PG/L	TR/G4
W2-WO100-0915-1	L1678061-34	WO	N	1	2,4,4'-TRICHLOROBIPHENYL	0.63	3.3 J	3.3 J	PG/L	TR
W2-WO100-0915-1	L1678061-34	WO	N	1	2,4',5-TRICHLOROBIPHENYL	0.62	2.4 J,M	2.4 J	PG/L	TR/G4
W2-WO100-0915-1	L1678061-34	WO	N	1	PCB061/070/074/076	0.47	3.8 J	3.8 J	PG/L	B1/TR
W2-WO195-0915-1	L1678061-35	WO	N	1	2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	0.16	0.57 J,M	0.57 J	PG/L	TR/G4
W2-WO195-0915-1	L1678061-35	WO	N	1	2,2',3,3',4,4',5-HEPTACHLOROBIPHENYL	0.23	0.41 J,M	0.41 J	PG/L	TR/G4
W2-WO195-0915-1	L1678061-35	WO	N	1	2,2',3,3',4,4'-HEXACHLOROBIPHENYL	0.18	0.32 J,M	0.32 J	PG/L	TR/G4
W2-WO195-0915-1	L1678061-35	WO	N	1	2,2',3,4,4',5,5'-HEPTACHLOROBIPHENYL	0.18	0.71 J,M	0.71 J	PG/L	TR/G4
W2-WO195-0915-1	L1678061-35	WO	N	1	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	0.18	2.5 J	2.5 J	PG/L	TR

Automated Data Review Detail Report for L1678061

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Detected Results

Test Method: E1668C		Extraction Method: METHOD			Leach Method: NONE					
FieldSample ID	LabSample ID	Matrix	Type	Dilution	Analyte	MDL	Lab Result	Qualified Result	Units	Reason
W2-WO195-0915-1	L1678061-35	WO	N	1	2,2',3,4',5,5',6-HEPTACHLOROBIPHENYL	0.18	0.56 J	0.56 J	PG/L	TR
W2-WO195-0915-1	L1678061-35	WO	N	1	2,2',3,4',5',6-HEXACHLOROBIPHENYL	0.20	2.0 J	2.0 J	PG/L	TR
W2-WO195-0915-1	L1678061-35	WO	N	1	2,2',3,4,5'-PENTACHLOROBIPHENYL/2,3',4,4',6-Pentachlorobiphenyl	0.27	2.6 J,M	2.6 J	PG/L	TR/G4
W2-WO195-0915-1	L1678061-35	WO	N	1	2,2',3,5',6-HEXACHLOROBIPHENYL	0.28	0.55 J,M	0.55 J	PG/L	TR/G4
W2-WO195-0915-1	L1678061-35	WO	N	1	2,2',3,5'-TETRACHLOROBIPHENYL	0.45	7.7 J,B	7.7 J	PG/L	B1/TR
W2-WO195-0915-1	L1678061-35	WO	N	1	2,2',4,4',5,5'-HEXACHLOROBIPHENYL/2,3',4,4',5,6-HEXACHLOROBIPHENYL	0.16	1.9 J	1.9 J	PG/L	TR
W2-WO195-0915-1	L1678061-35	WO	N	1	2,2',4,4',5-PENTACHLOROBIPHENYL	0.33	1.6 J	1.6 J	PG/L	TR
W2-WO195-0915-1	L1678061-35	WO	N	1	2,2',4,5,5'-PENTACHLOROBIPHENYL	0.30	2.8 J	2.8 J	PG/L	TR
W2-WO195-0915-1	L1678061-35	WO	N	1	2,2',4,5'-TETRACHLOROBIPHENYL	0.42	2.2 J,M	2.2 J	PG/L	TR/G4
W2-WO195-0915-1	L1678061-35	WO	N	1	2,2',5,5'-TETRACHLOROBIPHENYL	0.55	4.8 J,B	4.8 J	PG/L	B1/TR
W2-WO195-0915-1	L1678061-35	WO	N	1	2,2',5-TRICHLOROBIPHENYL	0.47	2.9 J	2.9 J	PG/L	TR
W2-WO195-0915-1	L1678061-35	WO	N	1	2,3,3',4,4',5-Hexachlorobiphenyl/2,3,3',4,4',5'-Hexachlorobiphenyl	0.22	0.51 J	0.51 J	PG/L	TR
W2-WO195-0915-1	L1678061-35	WO	N	1	2,3,3',4,4',6-HEXACHLOROBIPHENYL	0.14	0.37 J	0.37 J	PG/L	TR
W2-WO195-0915-1	L1678061-35	WO	N	1	2,3,3',4,4'-PENTACHLOROBIPHENYL	0.25	1.4 J,M	1.4 J	PG/L	TR/G4
W2-WO195-0915-1	L1678061-35	WO	N	1	2,3,3',4',6-PENTACHLOROBIPHENYL	0.25	4.5 J	4.5 J	PG/L	B1/TR
W2-WO195-0915-1	L1678061-35	WO	N	1	2,3',4,4',5-PENTACHLOROBIPHENYL	0.24	2.3 J	2.3 J	PG/L	TR
W2-WO195-0915-1	L1678061-35	WO	N	1	2,3',4,4'-TETRACHLOROBIPHENYL	0.39	2.7 J	2.7 J	PG/L	TR
W2-WO195-0915-1	L1678061-35	WO	N	1	2,4,4'-TRICHLOROBIPHENYL	0.43	3.8 J	3.8 J	PG/L	TR
W2-WO195-0915-1	L1678061-35	WO	N	1	2,4',5-TRICHLOROBIPHENYL	0.43	2.6 J	2.6 J	PG/L	TR
W2-WO195-0915-1	L1678061-35	WO	N	1	PCB061/070/074/076	0.38	4.5 J	4.5 J	PG/L	B1/TR
W2-WO198-0915-1	L1678061-36	WO	N	1	2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	0.15	0.45 J,M	0.45 J	PG/L	TR/G4
W2-WO198-0915-1	L1678061-36	WO	N	1	2,2',3,3',4,4',5-HEPTACHLOROBIPHENYL	0.28	0.83 J	0.83 J	PG/L	TR
W2-WO198-0915-1	L1678061-36	WO	N	1	2,2',3,3',4,4'-HEXACHLOROBIPHENYL	0.18	0.36 J,M	0.36 J	PG/L	TR/G4

Automated Data Review Detail Report for L1678061

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Detected Results

Test Method: E1668C		Extraction Method: METHOD			Leach Method: NONE					
FieldSample ID	LabSample ID	Matrix	Type	Dilution	Analyte	MDL	Lab Result	Qualified Result	Units	Reason
W2-WO198-0915-1	L1678061-36	WO	N	1	2,2',3,3',4,5',6'-HEPTACHLOROBIPHENYL	0.29	0.35 J,M	0.35 J	PG/L	TR/G4
W2-WO198-0915-1	L1678061-36	WO	N	1	2,2',3,4,4',5,5'-HEPTACHLOROBIPHENYL	0.22	0.82 J,M	0.82 J	PG/L	TR/G4
W2-WO198-0915-1	L1678061-36	WO	N	1	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	0.18	1.9 J,M	1.9 J	PG/L	TR/G4
W2-WO198-0915-1	L1678061-36	WO	N	1	2,2',3,4',5,5',6'-HEPTACHLOROBIPHENYL	0.22	0.28 J,M	0.28 J	PG/L	TR/G4
W2-WO198-0915-1	L1678061-36	WO	N	1	2,2',3,4',5',6'-HEXACHLOROBIPHENYL	0.20	1.4 J	1.4 J	PG/L	TR
W2-WO198-0915-1	L1678061-36	WO	N	1	2,2',3,4,5'-PENTACHLOROBIPHENYL/2,3',4,4',6'-Pentachlorobiphenyl	0.27	1.9 J,M	1.9 J	PG/L	TR/G4
W2-WO198-0915-1	L1678061-36	WO	N	1	2,2',3,5,5',6'-HEXACHLOROBIPHENYL	0.18	0.71 J,M	0.71 J	PG/L	TR/G4
W2-WO198-0915-1	L1678061-36	WO	N	1	2,2',3,5'-TETRACHLOROBIPHENYL	0.28	5.3 J,B	5.3 J	PG/L	B1/TR
W2-WO198-0915-1	L1678061-36	WO	N	1	2,2',4,4',5,5'-HEXACHLOROBIPHENYL/2,3',4,4',5',6'-HEXACHLOROBIPHENYL	0.16	1.8 J	1.8 J	PG/L	TR
W2-WO198-0915-1	L1678061-36	WO	N	1	2,2',4,4',5'-PENTACHLOROBIPHENYL	0.33	1.5 J	1.5 J	PG/L	TR
W2-WO198-0915-1	L1678061-36	WO	N	1	2,2',4,5,5'-PENTACHLOROBIPHENYL	0.30	2.1 J,M	2.1 J	PG/L	TR/G4
W2-WO198-0915-1	L1678061-36	WO	N	1	2,2',4,5'-TETRACHLOROBIPHENYL	0.26	1.5 J	1.5 J	PG/L	TR
W2-WO198-0915-1	L1678061-36	WO	N	1	2,2',5,5'-TETRACHLOROBIPHENYL	0.35	3.7 J,B	3.7 J	PG/L	B1/TR
W2-WO198-0915-1	L1678061-36	WO	N	1	2,2',5-TRICHLOROBIPHENYL	0.62	2.1 J	2.1 J	PG/L	TR
W2-WO198-0915-1	L1678061-36	WO	N	1	2,3,3',4,4',5'-Hexachlorobiphenyl/2,3,3',4,4',5'-Hexachlorobiphenyl	0.21	0.35 J	0.35 J	PG/L	TR
W2-WO198-0915-1	L1678061-36	WO	N	1	2,3,3',4,4'-PENTACHLOROBIPHENYL	0.21	1.1 J,M	1.1 J	PG/L	TR/G4
W2-WO198-0915-1	L1678061-36	WO	N	1	2,3,3',4',6-PENTACHLOROBIPHENYL	0.25	3.5 J,M	3.5 J	PG/L	B1/TR/G4
W2-WO198-0915-1	L1678061-36	WO	N	1	2,3',4,4',5-PENTACHLOROBIPHENYL	0.22	2.4 J	2.4 J	PG/L	TR
W2-WO198-0915-1	L1678061-36	WO	N	1	2,3',4,4'-TETRACHLOROBIPHENYL	0.36	2.6 J	2.6 J	PG/L	TR
W2-WO198-0915-1	L1678061-36	WO	N	1	2,4,4'-TRICHLOROBIPHENYL	0.47	3.5 J	3.5 J	PG/L	TR
W2-WO198-0915-1	L1678061-36	WO	N	1	2,4',5-TRICHLOROBIPHENYL	0.47	2.3 J,M	2.3 J	PG/L	TR/G4
W2-WO198-0915-1	L1678061-36	WO	N	1	3,3',4,4'-TETRACHLOROBIPHENYL	0.37	0.40 J	0.40 J	PG/L	TR
W2-WO198-0915-1	L1678061-36	WO	N	1	3,4,4'-TRICHLOROBIPHENYL	0.53	0.59 J	0.59 J	PG/L	TR

Automated Data Review Detail Report for L1678061

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Detected Results

Test Method: E1668C		Extraction Method: METHOD			Leach Method: NONE					
FieldSample ID	LabSample ID	Matrix	Type	Dilution	Analyte	MDL	Lab Result	Qualified Result	Units	Reason
W2-WO198-0915-1	L1678061-36	WO	N	1	PCB061/070/074/076	0.35	3.9 J	3.9 J	PG/L	B1/TR
W2-WO5-0915-1	L1678061-33	WO	N	1	2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	0.18	0.43 J	0.43 J	PG/L	TR
W2-WO5-0915-1	L1678061-33	WO	N	1	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	0.20	1.2 J	1.2 J	PG/L	TR
W2-WO5-0915-1	L1678061-33	WO	N	1	2,2',3,4',5',6-HEXACHLOROBIPHENYL	0.22	0.79 J	0.79 J	PG/L	TR
W2-WO5-0915-1	L1678061-33	WO	N	1	2,2',3,4,5'-PENTACHLOROBIPHENYL/2,3',4,4',6-Pentachlorobiphenyl	0.33	1.1 J,M	1.1 J	PG/L	TR/G4
W2-WO5-0915-1	L1678061-33	WO	N	1	2,2',4,4',5,5'-HEXACHLOROBIPHENYL/2,3',4,4',5',6-HEXACHLOROBIPHENYL	0.18	0.74 J,M	0.74 J	PG/L	TR/G4
W2-WO5-0915-1	L1678061-33	WO	N	1	2,2',4,4',5-PENTACHLOROBIPHENYL	0.39	0.56 J,M	0.56 J	PG/L	TR/G4
W2-WO5-0915-1	L1678061-33	WO	N	1	2,2',4,5,5'-PENTACHLOROBIPHENYL	0.36	1.4 J	1.4 J	PG/L	TR
W2-WO5-0915-1	L1678061-33	WO	N	1	2,2',4,5'-TETRACHLOROBIPHENYL	0.52	1.2 J	1.2 J	PG/L	TR
W2-WO5-0915-1	L1678061-33	WO	N	1	2,2',5,5'-TETRACHLOROBIPHENYL	0.68	3.2 J,B	3.2 J	PG/L	B1/TR
W2-WO5-0915-1	L1678061-33	WO	N	1	2,2',5-TRICHLOROBIPHENYL	0.55	2.6 J	2.6 J	PG/L	TR
W2-WO5-0915-1	L1678061-33	WO	N	1	2,3,3',4,4'-PENTACHLOROBIPHENYL	0.23	0.59 J	0.59 J	PG/L	TR
W2-WO5-0915-1	L1678061-33	WO	N	1	2,3,3',4',6-PENTACHLOROBIPHENYL	0.30	1.6 J	1.6 J	PG/L	B1/TR
W2-WO5-0915-1	L1678061-33	WO	N	1	2,3',4,4',5-PENTACHLOROBIPHENYL	0.23	1.4 J	1.4 J	PG/L	TR
W2-WO5-0915-1	L1678061-33	WO	N	1	2,3',4,4'-TETRACHLOROBIPHENYL	0.36	1.2 J,M	1.2 J	PG/L	TR/G4
W2-WO5-0915-1	L1678061-33	WO	N	1	2,4,4'-TRICHLOROBIPHENYL	0.52	2.8 J	2.8 J	PG/L	TR
W2-WO5-0915-1	L1678061-33	WO	N	1	2,4',5-TRICHLOROBIPHENYL	0.51	2.4 J	2.4 J	PG/L	TR
W2-WO5-0915-1	L1678061-33	WO	N	1	PCB061/070/074/076	0.35	2.1 J	2.1 J	PG/L	B1/TR
W3-WO195-0915-1	L1678061-9	WO	N	1	2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	0.18	21.9	21.9 J	PG/L	K1
W3-WO195-0915-1	L1678061-9	WO	N	1	2,2',3,3',4,4',5,5',6-NONACHLOROBIPHENYL	0.64	1.4 J	1.4 J	PG/L	TR
W3-WO195-0915-1	L1678061-9	WO	N	1	2,2',3,3',4,4',5,5',5'-OCTACHLOROBIPHENYL	0.27	0.41 J,M	0.41 J	PG/L	TR/G4
W3-WO195-0915-1	L1678061-9	WO	N	1	2,2',3,4,4',5,5',6-OCTACHLOROBIPHENYL	0.22	0.33 J,M	0.33 J	PG/L	TR/G4
W3-WO195-0915-1	L1678061-9	WO	N	1	2,2',3,4,4',5,5'-HEPTACHLOROBIPHENYL	0.64	4.3 J	4.3 J	PG/L	TR
W3-WO195-0915-1	L1678061-9	WO	N	1	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	0.51	6.0 J	6.0 J	PG/L	K1/TR

Automated Data Review Detail Report for L1678061

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Detected Results

Test Method: E1668C		Extraction Method: METHOD			Leach Method: NONE					
FieldSample ID	LabSample ID	Matrix	Type	Dilution	Analyte	MDL	Lab Result	Qualified Result	Units	Reason
W3-WO195-0915-1	L1678061-9	WO	N	1	2,2',3,4',5,5',6-HEPTACHLOROBIPHENYL	0.69	0.87 J,M	0.87 J	PG/L	TR/G4
W3-WO195-0915-1	L1678061-9	WO	N	1	2,2',3,4',5',6-HEXACHLOROBIPHENYL	0.46	2.7 J	2.7 J	PG/L	K1/TR
W3-WO195-0915-1	L1678061-9	WO	N	1	2,2',3,5,5',6-HEXACHLOROBIPHENYL	0.34	1.4 J,M	1.4 J	PG/L	TR/G4
W3-WO195-0915-1	L1678061-9	WO	N	1	2,2',3,5'-TETRACHLOROBIPHENYL	0.68	6.8 J	6.8 J	PG/L	K1/TR
W3-WO195-0915-1	L1678061-9	WO	N	1	2,2',4,4',5,5'-HEXACHLOROBIPHENYL/2,3',4,4',5',6-HEXACHLOROBIPHENYL	0.37	3.0 J	3.0 J	PG/L	K1/TR
W3-WO195-0915-1	L1678061-9	WO	N	1	2,2',4,4',5-PENTACHLOROBIPHENYL	0.70	2.9 J,M	2.9 J	PG/L	TR/G4
W3-WO195-0915-1	L1678061-9	WO	N	1	2,2',4,5,5'-PENTACHLOROBIPHENYL	0.60	6.3 J	6.3 J	PG/L	K1/TR
W3-WO195-0915-1	L1678061-9	WO	N	1	2,2',4,5'-TETRACHLOROBIPHENYL	0.62	2.6 J,M	2.6 J	PG/L	K1/TR/G4
W3-WO195-0915-1	L1678061-9	WO	N	1	2,2',5,5'-TETRACHLOROBIPHENYL	0.84	6.0 J,M	6.0 J	PG/L	K1/TR/G4
W3-WO195-0915-1	L1678061-9	WO	N	1	2,2',5-TRICHLOROBIPHENYL	2.4	2.7 J	2.7 J	PG/L	TR
W3-WO195-0915-1	L1678061-9	WO	N	1	2,3,3',4,4',5,5'-HEPTACHLOROBIPHENYL	0.60	5.2 J	5.2 J	PG/L	TR
W3-WO195-0915-1	L1678061-9	WO	N	1	2,3,3',4,4',5'-Hexachlorobiphenyl/2,3,3',4,4',5'-Hexachlorobiphenyl	0.48	2.4 J,M	2.4 J	PG/L	TR/G4
W3-WO195-0915-1	L1678061-9	WO	N	1	2,3,3',4,4'-PENTACHLOROBIPHENYL	0.52	5.7 J	5.7 J	PG/L	TR
W3-WO195-0915-1	L1678061-9	WO	N	1	2,3,3',4',6-PENTACHLOROBIPHENYL	0.53	8.5 J	8.5 J	PG/L	K1/TR
W3-WO195-0915-1	L1678061-9	WO	N	1	2',3,4,4',5-PENTACHLOROBIPHENYL	0.60	1.3 J,M	1.3 J	PG/L	TR/G4
W3-WO195-0915-1	L1678061-9	WO	N	1	2,3',4,4',5-PENTACHLOROBIPHENYL	0.55	4.8 J,M	4.8 J	PG/L	K1/TR/G4
W3-WO195-0915-1	L1678061-9	WO	N	1	2,3',4,4'-TETRACHLOROBIPHENYL	0.62	5.7 J	5.7 J	PG/L	TR
W3-WO195-0915-1	L1678061-9	WO	N	1	2,4,4'-TRICHLOROBIPHENYL	2.7	4.5 J	4.5 J	PG/L	TR
W3-WO195-0915-1	L1678061-9	WO	N	1	2,4',5-TRICHLOROBIPHENYL	2.6	2.9 J	2.9 J	PG/L	TR
W3-WO195-0915-1	L1678061-9	WO	N	1	3,3',4,4',5,5'-HEXACHLOROBIPHENYL	0.39	2.4 J,M	2.4 J	PG/L	TR/G4
W3-WO195-0915-1	L1678061-9	WO	N	1	PCB061/070/074/076	0.60	8.7 J	8.7 J	PG/L	K1/TR
WQ-ER2-0915-1	L1678061-10	WQ	EB	1	2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	0.28	0.43 J,M	0.43 J	PG/L	TR/G4
WQ-ER2-0915-1	L1678061-10	WQ	EB	1	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	0.37	0.89 J,M	0.89 J	PG/L	TR/G4
WQ-ER2-0915-1	L1678061-10	WQ	EB	1	2,2',3,4',5',6-HEXACHLOROBIPHENYL	0.33	0.50 J	0.50 J	PG/L	TR
WQ-ER2-0915-1	L1678061-10	WQ	EB	1	2,2',3,5'-TETRACHLOROBIPHENYL	0.53	2.5 J	2.5 J	PG/L	TR

Automated Data Review Detail Report for L1678061

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Detected Results

Test Method: E1668C		Extraction Method: METHOD			Leach Method: NONE					
FieldSample ID	LabSample ID	Matrix	Type	Dilution	Analyte	MDL	Lab Result	Qualified Result	Units	Reason
WQ-ER2-0915-1	L1678061-10	WQ	EB	1	2,2',4,4',5,5'- HEXACHLOROBIPHENYL/2,3',4,4',5',6- HEXACHLOROBIPHENYL	0.26	0.61 J,M	0.61 J	PG/L	TR/G4
WQ-ER2-0915-1	L1678061-10	WQ	EB	1	2,2',4,5,5'-PENTACHLOROBIPHENYL	0.69	0.75 J,M	0.75 J	PG/L	TR/G4
WQ-ER2-0915-1	L1678061-10	WQ	EB	1	2,2',4,5'-TETRACHLOROBIPHENYL	0.48	0.78 J	0.78 J	PG/L	TR
WQ-ER2-0915-1	L1678061-10	WQ	EB	1	2,2',5,5'-TETRACHLOROBIPHENYL	0.66	1.8 J,M	1.8 J	PG/L	TR/G4
WQ-ER2-0915-1	L1678061-10	WQ	EB	1	2,3,3',4',6-PENTACHLOROBIPHENYL	0.61	1.0 J,M	1.0 J	PG/L	TR/G4
WQ-ER2-0915-1	L1678061-10	WQ	EB	1	2,3',4,4',5-PENTACHLOROBIPHENYL	0.45	1.1 J	1.1 J	PG/L	TR
WQ-ER2-0915-1	L1678061-10	WQ	EB	1	PCB061/070/074/076	0.57	1.7 J	1.7 J	PG/L	TR

Test Method: E1699		Extraction Method: METHOD			Leach Method: NONE					
FieldSample ID	LabSample ID	Matrix	Type	Dilution	Analyte	MDL	Lab Result	Qualified Result	Units	Reason
BA1B-WO145-0915-1	L1678061-49	WO	N	1	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0014	0.014 J	0.014 J	NG/L	H2/TR
BA1B-WO145-0915-1	L1678061-49	WO	N	1	1-CHLORO-2,2-BIS(P- CHLOROPHENYL)ETHYLENE	0.048	0.16	0.16 J	NG/L	H2
BA1B-WO145-0915-1	L1678061-49	WO	N	1	o,p'-DDE	0.0053	0.039 J	0.039 J	NG/L	H2/TR
BA1B-WO145-0915-1	L1678061-49	WO	N	1	p,p'-DDE	0.011	0.24	0.24 J	NG/L	H2
BA1B-WO5-0915-1	L1678061-47	WO	N	1	p,p'-DDE	0.010	0.028 J	0.028 J	NG/L	H2/TR
BA1B-WO75-0915-1	L1678061-48	WO	N	1	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0011	0.019 J	0.019 J	NG/L	H2/TR
BA1B-WO75-0915-1	L1678061-48	WO	N	1	1-CHLORO-2,2-BIS(P- CHLOROPHENYL)ETHYLENE	0.055	0.32	0.32 J	NG/L	H2
BA1B-WO75-0915-1	L1678061-48	WO	N	1	o,p'-DDE	0.0063	0.072 J	0.072 J	NG/L	H2/TR
BA1B-WO75-0915-1	L1678061-48	WO	N	1	p,p'-DDD	0.019	0.037 J	0.037 J	NG/L	H2/TR
BA1B-WO75-0915-1	L1678061-48	WO	N	1	p,p'-DDE	0.0095	0.33	0.33 J	NG/L	H2
BA1DC-WO5-0915-1	L1678061-43	WO	N	1	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0005	0.0021 J	0.0021 J	NG/L	B1/H2/TR/D5
BA1DC-WO5-0915-1	L1678061-43	WO	N	1	o,p'-DDE	0.0012	0.0067 J	0.0067 J	NG/L	H2/TR
BA1DC-WO5-0915-1	L1678061-43	WO	N	1	p,p'-DDE	0.0062	0.027 B	0.027 J	NG/L	H2/B1
BA1DC-WO5-0915-2	L1678061-44	WO	FD	1	o,p'-DDE	0.0020	0.0061 J	0.0061 J	NG/L	H2/TR
BA1DC-WO5-0915-2	L1678061-44	WO	FD	1	p,p'-DDE	0.0084	0.026 B	0.026 J	NG/L	H2/B1

Automated Data Review Detail Report for L1678061

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Detected Results

Test Method: E1699		Extraction Method: METHOD			Leach Method: NONE					
FieldSample ID	LabSample ID	Matrix	Type	Dilution	Analyte	MDL	Lab Result	Qualified Result	Units	Reason
BA2B-WO145-0915-1	L1678061-45	WO	N	1	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0005	0.010 J	0.010 J	NG/L	B1/H2/TR
BA2B-WO145-0915-1	L1678061-45	WO	N	1	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.030	0.14	0.14 J	NG/L	H2
BA2B-WO145-0915-1	L1678061-45	WO	N	1	o,p'-DDE	0.0035	0.020 J	0.020 J	NG/L	H2/TR
BA2B-WO145-0915-1	L1678061-45	WO	N	1	p,p'-DDE	0.0065	0.11 B	0.11 J	NG/L	H2/B1
BA2C-WO5-0915-1	L1678061-46	WO	N	1	o,p'-DDE	0.0016	0.0052 J	0.0052 J	NG/L	H2/TR
BA3B-WO145-0915-1	L1678061-42	WO	N	1	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0006	0.024 J	0.024 J	NG/L	B1/H2/TR/X2
BA3B-WO145-0915-1	L1678061-42	WO	N	1	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.024	0.36	0.36 J	NG/L	H2/X2
BA3B-WO145-0915-1	L1678061-42	WO	N	1	o,p'-DDD	0.0053	0.012 J,M	0.012 J	NG/L	H2/TR/G4/X2
BA3B-WO145-0915-1	L1678061-42	WO	N	1	o,p'-DDE	0.0030	0.055	0.055 J	NG/L	H2/X2
BA3B-WO145-0915-1	L1678061-42	WO	N	1	p,p'-DDD	0.012	0.040 M	0.040 J	NG/L	H2/X2
BA3B-WO145-0915-1	L1678061-42	WO	N	1	p,p'-DDE	0.013	0.36	0.36 J	NG/L	H2/B1/X2
BA3B-WO5-0915-1	L1678061-40	WO	N	1	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0006	0.0023 J	0.0023 J	NG/L	B1/H2/TR/X2
BA3B-WO5-0915-1	L1678061-40	WO	N	1	o,p'-DDE	0.0027	0.011 J	0.011 J	NG/L	H2/TR/X2
BA3B-WO5-0915-1	L1678061-40	WO	N	1	p,p'-DDE	0.0071	0.062 B	0.062 J	NG/L	H2/B1/X2
BA3B-WO80-0915-1	L1678061-41	WO	N	1	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0006	0.0064 J	0.0064 J	NG/L	B1/H2/TR/X2
BA3B-WO80-0915-1	L1678061-41	WO	N	1	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.024	0.080	0.080 J	NG/L	H2/X2
BA3B-WO80-0915-1	L1678061-41	WO	N	1	o,p'-DDE	0.0022	0.018 J	0.018 J	NG/L	H2/TR/X2
BA3B-WO80-0915-1	L1678061-41	WO	N	1	p,p'-DDE	0.0061	0.096 B	0.096 J	NG/L	H2/B1/X2
BA4DC-WO20-0915-1	L1678061-38	WO	N	1	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0006	0.0079 J	0.0079 J	NG/L	B1/H2/TR
BA4DC-WO20-0915-1	L1678061-38	WO	N	1	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.030	0.088 M	0.088 J	NG/L	H2
BA4DC-WO20-0915-1	L1678061-38	WO	N	1	o,p'-DDD	0.0055	0.012 J,M	0.012 J	NG/L	H2/TR/G4
BA4DC-WO20-0915-1	L1678061-38	WO	N	1	o,p'-DDE	0.0037	0.031	0.031 J	NG/L	H2
BA4DC-WO20-0915-1	L1678061-38	WO	N	1	p,p'-DDD	0.018	0.020 J	0.020 J	NG/L	H2/TR
BA4DC-WO20-0915-1	L1678061-38	WO	N	1	p,p'-DDE	0.0069	0.14 B	0.14 J	NG/L	H2/B1
BA4DC-WO35-0915-1	L1678061-39	WO	N	1	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0007	0.038	0.038 J	NG/L	B1/H2/X2
BA4DC-WO35-0915-1	L1678061-39	WO	N	1	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.024	0.55	0.55 J	NG/L	H2/X2

Automated Data Review Detail Report for L1678061

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Detected Results

Test Method: E1699		Extraction Method: METHOD			Leach Method: NONE					
FieldSample ID	LabSample ID	Matrix	Type	Dilution	Analyte	MDL	Lab Result	Qualified Result	Units	Reason
BA4DC-WO35-0915-1	L1678061-39	WO	N	1	o,p'-DDD	0.0065	0.026 M	0.026 J	NG/L	H2/G4/TR/X2
BA4DC-WO35-0915-1	L1678061-39	WO	N	1	o,p'-DDE	0.0028	0.14	0.14 J	NG/L	H2/X2
BA4DC-WO35-0915-1	L1678061-39	WO	N	1	p,p'-DDD	0.018	0.091 M	0.091 J	NG/L	H2/X2
BA4DC-WO35-0915-1	L1678061-39	WO	N	1	p,p'-DDE	0.0085	0.66	0.66 J	NG/L	H2/B1/X2
BA4DC-WO5-0915-1	L1678061-37	WO	N	1	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0006	0.0037 J	0.0037 J	NG/L	B1/H2/TR
BA4DC-WO5-0915-1	L1678061-37	WO	N	1	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.027	0.030 M	0.030 J	NG/L	H2/G4/TR
BA4DC-WO5-0915-1	L1678061-37	WO	N	1	o,p'-DDE	0.0031	0.012 J	0.012 J	NG/L	H2/TR
BA4DC-WO5-0915-1	L1678061-37	WO	N	1	p,p'-DDE	0.0090	0.072 B	0.072 J	NG/L	H2/B1
BA5B-WO145-0915-1	L1678061-3	WO	N	1	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0005	0.039	0.039 J	NG/L	H2/X2
BA5B-WO145-0915-1	L1678061-3	WO	N	1	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.020	0.47	0.47 J	NG/L	H2/X2
BA5B-WO145-0915-1	L1678061-3	WO	N	1	o,p'-DDD	0.0037	0.019 J,M	0.019 J	NG/L	B1/H2/TR/G4/X2
BA5B-WO145-0915-1	L1678061-3	WO	N	1	o,p'-DDE	0.0022	0.078	0.078 J	NG/L	H2/B1/X2
BA5B-WO145-0915-1	L1678061-3	WO	N	1	p,p'-DDD	0.0065	0.052 M	0.052 J	NG/L	H2/X2
BA5B-WO145-0915-1	L1678061-3	WO	N	1	p,p'-DDE	0.0064	0.45	0.45 J	NG/L	H2/B1/X2
BA5B-WO5-0915-1	L1678061-1	WO	N	1	p,p'-DDE	0.0033	0.032 B	0.032 J	NG/L	H2/B1
BA5B-WO75-0915-1	L1678061-2	WO	N	1	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0030	0.021 J	0.021 J	NG/L	H2/TR/X2
BA5B-WO75-0915-1	L1678061-2	WO	N	1	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.030	0.19	0.19 J	NG/L	H2/X2
BA5B-WO75-0915-1	L1678061-2	WO	N	1	o,p'-DDD	0.0030	0.012 J,M	0.012 J	NG/L	B1/H2/TR/G4/X2
BA5B-WO75-0915-1	L1678061-2	WO	N	1	o,p'-DDE	0.0038	0.050 M	0.050 J	NG/L	H2/B1/X2
BA5B-WO75-0915-1	L1678061-2	WO	N	1	p,p'-DDD	0.0081	0.022 J,M	0.022 J	NG/L	H2/TR/G4/X2
BA5B-WO75-0915-1	L1678061-2	WO	N	1	p,p'-DDE	0.0053	0.27	0.27 J	NG/L	H2/B1/X2
BA5C-WO30-0915-1	L1678061-5	WO	N	1	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0004	0.0053 J	0.0053 J	NG/L	H2/TR
BA5C-WO30-0915-1	L1678061-5	WO	N	1	o,p'-DDE	0.0018	0.019 J	0.019 J	NG/L	H2/TR/B1
BA5C-WO30-0915-1	L1678061-5	WO	N	1	p,p'-DDD	0.012	0.014 J,M	0.014 J	NG/L	H2/TR/G4
BA5C-WO30-0915-1	L1678061-5	WO	N	1	p,p'-DDE	0.0057	0.095 B	0.095 J	NG/L	H2/B1
BA5C-WO5-0915-1	L1678061-4	WO	N	1	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0004	0.0011 J	0.0011 J	NG/L	H2/TR

Automated Data Review Detail Report for L1678061

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Detected Results

Test Method: E1699		Extraction Method: METHOD			Leach Method: NONE					
FieldSample ID	LabSample ID	Matrix	Type	Dilution	Analyte	MDL	Lab Result	Qualified Result	Units	Reason
BA5C-WO5-0915-1	L1678061-4	WO	N	1	o,p'-DDD	0.0029	0.010 J,M	0.010 J	NG/L	B1/H2/TR/G4
BA5C-WO5-0915-1	L1678061-4	WO	N	1	p,p'-DDE	0.0048	0.023 B	0.023 J	NG/L	H2/B1
BA5C-WO55-0915-1	L1678061-6	WO	N	1	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0007	0.023	0.023 J	NG/L	H2/X2
BA5C-WO55-0915-1	L1678061-6	WO	N	1	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.017	0.31	0.31 J	NG/L	H2/X2
BA5C-WO55-0915-1	L1678061-6	WO	N	1	o,p'-DDD	0.0034	0.015 J,M	0.015 J	NG/L	B1/H2/TR/G4/X2
BA5C-WO55-0915-1	L1678061-6	WO	N	1	o,p'-DDE	0.0020	0.084	0.084 J	NG/L	H2/B1/X2
BA5C-WO55-0915-1	L1678061-6	WO	N	1	p,p'-DDD	0.0067	0.048 M	0.048 J	NG/L	H2/X2
BA5C-WO55-0915-1	L1678061-6	WO	N	1	p,p'-DDE	0.0046	0.41	0.41 J	NG/L	H2/B1/X2
BA5C-WO58-0915-1	L1678061-7	WO	N	1	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0034	0.046 J	0.046 J	NG/L	H2/TR/X2
BA5C-WO58-0915-1	L1678061-7	WO	N	1	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.024	0.54	0.54 J	NG/L	H2/X2
BA5C-WO58-0915-1	L1678061-7	WO	N	1	o,p'-DDD	0.0033	0.024 M	0.024 J	NG/L	B1/H2/G4/X2
BA5C-WO58-0915-1	L1678061-7	WO	N	1	o,p'-DDE	0.0026	0.15	0.15 J	NG/L	H2/B1/X2
BA5C-WO58-0915-1	L1678061-7	WO	N	1	p,p'-DDD	0.0066	0.082 M	0.082 J	NG/L	H2/X2
BA5C-WO58-0915-1	L1678061-7	WO	N	1	p,p'-DDE	0.0050	0.75	0.75 J	NG/L	H2/B1/X2
BA5C-WO58-0915-2	L1678061-8	WO	FD	1	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0004	0.040	0.040 J	NG/L	H2/X2
BA5C-WO58-0915-2	L1678061-8	WO	FD	1	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.018	0.65	0.65 J	NG/L	H2/X2
BA5C-WO58-0915-2	L1678061-8	WO	FD	1	o,p'-DDD	0.0027	0.028 M	0.028 J	NG/L	B1/H2/G4/X2
BA5C-WO58-0915-2	L1678061-8	WO	FD	1	o,p'-DDE	0.0020	0.18	0.18 J	NG/L	H2/B1/X2
BA5C-WO58-0915-2	L1678061-8	WO	FD	1	p,p'-DDD	0.0047	0.091 M	0.091 J	NG/L	H2/X2
BA5C-WO58-0915-2	L1678061-8	WO	FD	1	p,p'-DDE	0.0038	0.90	0.90 J	NG/L	H2/B1/X2
BA5DC-WO20-0915-1	L1678061-12	WO	N	1	p,p'-DDE	0.0034	0.014 J,B	0.014 J	NG/L	H2/B1/TR
BA5DC-WO35-0915-1	L1678061-13	WO	N	1	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0004	0.016 J	0.016 J	NG/L	H2/TR/X2
BA5DC-WO35-0915-1	L1678061-13	WO	N	1	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.013	0.20	0.20 J	NG/L	H2/X2
BA5DC-WO35-0915-1	L1678061-13	WO	N	1	o,p'-DDD	0.0021	0.011 J,M	0.011 J	NG/L	B1/H2/TR/G4/X2
BA5DC-WO35-0915-1	L1678061-13	WO	N	1	o,p'-DDE	0.0020	0.059	0.059 J	NG/L	H2/B1/X2

Automated Data Review Detail Report for L1678061

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Detected Results

Test Method: E1699		Extraction Method: METHOD			Leach Method: NONE					
FieldSample ID	LabSample ID	Matrix	Type	Dilution	Analyte	MDL	Lab Result	Qualified Result	Units	Reason
BA5DC-WO35-0915-1	L1678061-13	WO	N	1	p,p'-DDD	0.0051	0.039 M	0.039 J	NG/L	H2/X2
BA5DC-WO35-0915-1	L1678061-13	WO	N	1	p,p'-DDE	0.0044	0.30	0.30 J	NG/L	H2/B1/X2
BA5DC-WO38-0915-1	L1678061-14	WO	N	1	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0035	0.062 J	0.062 J	NG/L	H2/TR
BA5DC-WO38-0915-1	L1678061-14	WO	N	1	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.016	0.65	0.65 J	NG/L	H2
BA5DC-WO38-0915-1	L1678061-14	WO	N	1	o,p'-DDD	0.0029	0.023 M	0.023 J	NG/L	B1/H2/G4
BA5DC-WO38-0915-1	L1678061-14	WO	N	1	o,p'-DDE	0.0024	0.16	0.16 J	NG/L	H2/B1
BA5DC-WO38-0915-1	L1678061-14	WO	N	1	o,p'-DDT	0.010	0.015 J	0.015 J	NG/L	H2/TR/C11/D5
BA5DC-WO38-0915-1	L1678061-14	WO	N	1	p,p'-DDD	0.0048	0.084 M	0.084 J	NG/L	H2
BA5DC-WO38-0915-1	L1678061-14	WO	N	1	p,p'-DDE	0.0064	0.80	0.80 J	NG/L	H2/B1
BA5DC-WO38-0915-1	L1678061-14	WO	N	1	p,p'-DDT	0.012	0.019 J,M	0.019 J	NG/L	H2/TR/G4/D5
BA5DC-WO38-0915-2	L1678061-15	WO	FD	1	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0004	0.046	0.046 J	NG/L	H2/X2
BA5DC-WO38-0915-2	L1678061-15	WO	FD	1	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.013	0.63	0.63 J	NG/L	H2/X2
BA5DC-WO38-0915-2	L1678061-15	WO	FD	1	o,p'-DDD	0.0025	0.029 M	0.029 J	NG/L	B1/H2/X2
BA5DC-WO38-0915-2	L1678061-15	WO	FD	1	o,p'-DDE	0.0034	0.15	0.15 J	NG/L	H2/B1/X2
BA5DC-WO38-0915-2	L1678061-15	WO	FD	1	p,p'-DDD	0.0077	0.086 M	0.086 J	NG/L	H2/X2
BA5DC-WO38-0915-2	L1678061-15	WO	FD	1	p,p'-DDE	0.0054	0.71	0.71 J	NG/L	H2/B1/X2
BA5DC-WO5-0915-1	L1678061-11	WO	N	1	p,p'-DDE	0.0055	0.022 J,B	0.022 J	NG/L	H2/B1/TR
BA6BC-WO50-0915-1	L1678061-20	WO	N	1	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0004	0.011 J	0.011 J	NG/L	H2/TR
BA6BC-WO50-0915-1	L1678061-20	WO	N	1	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.0098	0.15	0.15 J	NG/L	H2
BA6BC-WO50-0915-1	L1678061-20	WO	N	1	o,p'-DDD	0.0016	0.0066 J,M	0.0066 J	NG/L	H2/L/TR/G4
BA6BC-WO50-0915-1	L1678061-20	WO	N	1	o,p'-DDE	0.0007	0.034	0.034 J	NG/L	H2
BA6BC-WO50-0915-1	L1678061-20	WO	N	1	p,p'-DDD	0.0022	0.020 J	0.020 J	NG/L	H2/TR
BA6BC-WO50-0915-1	L1678061-20	WO	N	1	p,p'-DDE	0.0015	0.18	0.18 J	NG/L	H2/B1
BA6BC-WO50-0915-1	L1678061-20	WO	N	1	p,p'-DDT	0.0036	0.0040 J	0.0040 J	NG/L	H2/TR
BA6BC-WO5-0915-1	L1678061-19	WO	N	1	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.0053	0.016 J	0.016 J	NG/L	H2/TR/X2
BA6BC-WO5-0915-1	L1678061-19	WO	N	1	o,p'-DDD	0.0029	0.0076 J,M	0.0076 J	NG/L	H2/L/TR/G4/X 2

Automated Data Review Detail Report for L1678061

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Detected Results

Test Method: E1699		Extraction Method: METHOD			Leach Method: NONE					
FieldSample ID	LabSample ID	Matrix	Type	Dilution	Analyte	MDL	Lab Result	Qualified Result	Units	Reason
BA6BC-WO5-0915-1	L1678061-19	WO	N	1	o,p'-DDE	0.0009	0.0043 J,M	0.0043 J	NG/L	H2/TR/G4/X2
BA6BC-WO5-0915-1	L1678061-19	WO	N	1	p,p'-DDD	0.0036	0.0060 J	0.0060 J	NG/L	H2/TR/X2
BA6BC-WO5-0915-1	L1678061-19	WO	N	1	p,p'-DDE	0.0020	0.025 B	0.025 J	NG/L	H2/B1/X2
BA6BC-WO95-0915-1	L1678061-21	WO	N	1	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0008	0.022 J	0.022 J	NG/L	H2/TR
BA6BC-WO95-0915-1	L1678061-21	WO	N	1	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.0064	0.17	0.17 J	NG/L	H2
BA6BC-WO95-0915-1	L1678061-21	WO	N	1	o,p'-DDD	0.0033	0.055	0.055 J	NG/L	H2/L
BA6BC-WO95-0915-1	L1678061-21	WO	N	1	o,p'-DDE	0.0010	0.038	0.038 J	NG/L	H2
BA6BC-WO95-0915-1	L1678061-21	WO	N	1	p,p'-DDD	0.0044	0.12	0.12 J	NG/L	H2
BA6BC-WO95-0915-1	L1678061-21	WO	N	1	p,p'-DDE	0.0022	0.25	0.25 J	NG/L	H2/B1
BA6BC-WO95-0915-1	L1678061-21	WO	N	1	p,p'-DDT	0.0071	0.0098 J	0.0098 J	NG/L	H2/TR
BA6B-WO145-0915-1	L1678061-18	WO	N	1	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0005	0.013 J	0.013 J	NG/L	H2/TR
BA6B-WO145-0915-1	L1678061-18	WO	N	1	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.011	0.22	0.22 J	NG/L	H2
BA6B-WO145-0915-1	L1678061-18	WO	N	1	o,p'-DDE	0.0009	0.029	0.029 J	NG/L	H2
BA6B-WO145-0915-1	L1678061-18	WO	N	1	p,p'-DDD	0.0030	0.022 J	0.022 J	NG/L	H2/TR
BA6B-WO145-0915-1	L1678061-18	WO	N	1	p,p'-DDE	0.0020	0.14	0.14 J	NG/L	H2/B1
BA6B-WO145-0915-1	L1678061-18	WO	N	1	p,p'-DDT	0.0049	0.0058 J	0.0058 J	NG/L	H2/TR
BA6B-WO5-0915-1	L1678061-16	WO	N	1	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0001	0.0004 J	0.0004 J	NG/L	H2/TR/X2
BA6B-WO5-0915-1	L1678061-16	WO	N	1	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.0033	0.011 J	0.011 J	NG/L	H2/TR/X2
BA6B-WO5-0915-1	L1678061-16	WO	N	1	o,p'-DDE	0.0005	0.0055 J	0.0055 J	NG/L	H2/TR/X2
BA6B-WO5-0915-1	L1678061-16	WO	N	1	p,p'-DDD	0.0016	0.0053 J	0.0053 J	NG/L	H2/TR/X2
BA6B-WO5-0915-1	L1678061-16	WO	N	1	p,p'-DDE	0.0010	0.023 J,B	0.023 J	NG/L	B1/H2/TR/X2
BA6B-WO5-0915-1	L1678061-16	WO	N	1	p,p'-DDT	0.0025	0.0027 J,M	0.0027 J	NG/L	H2/TR/G4/X2
BA6B-WO75-0915-1	L1678061-17	WO	N	1	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.0059	0.054 M	0.054 J	NG/L	H2
BA6B-WO75-0915-1	L1678061-17	WO	N	1	o,p'-DDE	0.0007	0.012 J	0.012 J	NG/L	H2/TR
BA6B-WO75-0915-1	L1678061-17	WO	N	1	p,p'-DDE	0.0015	0.070 B	0.070 J	NG/L	H2/B1
BA6B-WO75-0915-1	L1678061-17	WO	N	1	p,p'-DDT	0.0043	0.0047 J	0.0047 J	NG/L	H2/TR

Automated Data Review Detail Report for L1678061

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Detected Results

Test Method: E1699		Extraction Method: METHOD			Leach Method: NONE					
FieldSample ID	LabSample ID	Matrix	Type	Dilution	Analyte	MDL	Lab Result	Qualified Result	Units	Reason
BA6C-WO30-0915-1	L1678061-23	WO	N	1	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0004	0.013 J	0.013 J	NG/L	H2/TR
BA6C-WO30-0915-1	L1678061-23	WO	N	1	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.0073	0.24	0.24 J	NG/L	H2
BA6C-WO30-0915-1	L1678061-23	WO	N	1	o,p'-DDE	0.0009	0.053	0.053 J	NG/L	H2
BA6C-WO30-0915-1	L1678061-23	WO	N	1	p,p'-DDD	0.0026	0.049	0.049 J	NG/L	H2
BA6C-WO30-0915-1	L1678061-23	WO	N	1	p,p'-DDE	0.0019	0.27	0.27 J	NG/L	H2/B1
BA6C-WO30-0915-1	L1678061-23	WO	N	1	p,p'-DDT	0.0041	0.011 J,M	0.011 J	NG/L	H2/TR/G4
BA6C-WO5-0915-1	L1678061-22	WO	N	1	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0003	0.0018 J	0.0018 J	NG/L	H2/TR
BA6C-WO5-0915-1	L1678061-22	WO	N	1	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.0041	0.025 M	0.025 J	NG/L	H2
BA6C-WO5-0915-1	L1678061-22	WO	N	1	o,p'-DDE	0.0005	0.0054 J	0.0054 J	NG/L	H2/TR
BA6C-WO5-0915-1	L1678061-22	WO	N	1	p,p'-DDD	0.0024	0.0092 J	0.0092 J	NG/L	H2/TR
BA6C-WO5-0915-1	L1678061-22	WO	N	1	p,p'-DDE	0.0011	0.030 B	0.030 J	NG/L	H2/B1
BA6DC-WO35-0915-1	L1678061-26	WO	N	1	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0006	0.035	0.035 J	NG/L	B1/H2/X2
BA6DC-WO35-0915-1	L1678061-26	WO	N	1	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.026	0.66	0.66 J	NG/L	H2/X2
BA6DC-WO35-0915-1	L1678061-26	WO	N	1	o,p'-DDD	0.0059	0.032 M	0.032 J	NG/L	H2/G4/TR/X2
BA6DC-WO35-0915-1	L1678061-26	WO	N	1	o,p'-DDE	0.0029	0.16	0.16 J	NG/L	H2/X2
BA6DC-WO35-0915-1	L1678061-26	WO	N	1	p,p'-DDD	0.015	0.097 M	0.097 J	NG/L	H2/X2
BA6DC-WO35-0915-1	L1678061-26	WO	N	1	p,p'-DDE	0.0066	0.74	0.74 J	NG/L	H2/B1/X2
BA6DC-WO5-0915-1	L1678061-24	WO	N	1	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.0081	0.024	0.024 J	NG/L	H2
BA6DC-WO5-0915-1	L1678061-24	WO	N	1	o,p'-DDE	0.0005	0.0049 J	0.0049 J	NG/L	H2/TR
BA6DC-WO5-0915-1	L1678061-24	WO	N	1	p,p'-DDD	0.0032	0.0090 J	0.0090 J	NG/L	H2/TR
BA6DC-WO5-0915-1	L1678061-24	WO	N	1	p,p'-DDE	0.0010	0.033 B	0.033 J	NG/L	H2/B1
BA7DC-WO20-0915-1	L1678061-28	WO	N	1	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0013	0.0079 J	0.0079 J	NG/L	H2/TR
BA7DC-WO20-0915-1	L1678061-28	WO	N	1	o,p'-DDE	0.0051	0.029 J	0.029 J	NG/L	H2/TR
BA7DC-WO20-0915-1	L1678061-28	WO	N	1	p,p'-DDE	0.0080	0.12	0.12 J	NG/L	H2
BA7DC-WO35-0915-1	L1678061-29	WO	N	1	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0044	0.025	0.025 J	NG/L	H2
BA7DC-WO35-0915-1	L1678061-29	WO	N	1	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.0073	0.59	0.59 J	NG/L	H2

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Component Palos Verdes Shelf, Los Angeles County, California

Detected Results

Test Method: E1699		Extraction Method: METHOD			Leach Method: NONE					
FieldSample ID	LabSample ID	Matrix	Type	Dilution	Analyte	MDL	Lab Result	Qualified Result	Units	Reason
BA7DC-WO35-0915-1	L1678061-29	WO	N	1	o,p'-DDD	0.0029	0.047	0.047 J	NG/L	H2/L/C11
BA7DC-WO35-0915-1	L1678061-29	WO	N	1	o,p'-DDE	0.0012	0.15	0.15 J	NG/L	H2
BA7DC-WO35-0915-1	L1678061-29	WO	N	1	p,p'-DDD	0.0035	0.12	0.12 J	NG/L	H2
BA7DC-WO35-0915-1	L1678061-29	WO	N	1	p,p'-DDE	0.0026	0.71	0.71 J	NG/L	H2/B1
BA7DC-WO35-0915-1	L1678061-29	WO	N	1	p,p'-DDT	0.0058	0.013 J	0.013 J	NG/L	H2/TR
BA7DC-WO38-0915-1	L1678061-30	WO	FR	1	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0032	0.021 J	0.021 J	NG/L	H2/TR
BA7DC-WO38-0915-1	L1678061-30	WO	FR	1	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.0079	0.40	0.40 J	NG/L	H2
BA7DC-WO38-0915-1	L1678061-30	WO	FR	1	o,p'-DDD	0.0042	0.024 M	0.024 J	NG/L	H2/L/C11/G4/TR/D5
BA7DC-WO38-0915-1	L1678061-30	WO	FR	1	o,p'-DDE	0.0009	0.12	0.12 J	NG/L	H2
BA7DC-WO38-0915-1	L1678061-30	WO	FR	1	p,p'-DDD	0.0055	0.082	0.082 J	NG/L	H2
BA7DC-WO38-0915-1	L1678061-30	WO	FR	1	p,p'-DDE	0.0021	0.57	0.57 J	NG/L	H2/B1
BA7DC-WO38-0915-1	L1678061-30	WO	FR	1	p,p'-DDT	0.0093	0.015 J	0.015 J	NG/L	H2/TR
BA7DC-WO38-0915-2	L1678061-31	WO	N	1	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0047	0.017 J,M	0.017 J	NG/L	H2/TR/G4
BA7DC-WO38-0915-2	L1678061-31	WO	N	1	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.0096	0.37	0.37 J	NG/L	H2
BA7DC-WO38-0915-2	L1678061-31	WO	N	1	o,p'-DDD	0.0026	0.035 M	0.035 J	NG/L	H2/L/C11/G4/TR/D5
BA7DC-WO38-0915-2	L1678061-31	WO	N	1	o,p'-DDE	0.0012	0.096	0.096 J	NG/L	H2
BA7DC-WO38-0915-2	L1678061-31	WO	N	1	p,p'-DDD	0.0031	0.081	0.081 J	NG/L	H2
BA7DC-WO38-0915-2	L1678061-31	WO	N	1	p,p'-DDE	0.0026	0.48	0.48 J	NG/L	H2/B1
BA7DC-WO38-0915-2	L1678061-31	WO	N	1	p,p'-DDT	0.0053	0.011 J	0.011 J	NG/L	H2/TR
BA7DC-WO38-0915-3	L1678061-32	WO	FD	1	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0040	0.017 J	0.017 J	NG/L	H2/TR
BA7DC-WO38-0915-3	L1678061-32	WO	FD	1	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.011	0.38	0.38 J	NG/L	H2
BA7DC-WO38-0915-3	L1678061-32	WO	FD	1	o,p'-DDD	0.0023	0.028 M	0.028 J	NG/L	H2/L/C11/G4/TR/D5
BA7DC-WO38-0915-3	L1678061-32	WO	FD	1	o,p'-DDE	0.0012	0.089	0.089 J	NG/L	H2
BA7DC-WO38-0915-3	L1678061-32	WO	FD	1	p,p'-DDD	0.0030	0.067	0.067 J	NG/L	H2
BA7DC-WO38-0915-3	L1678061-32	WO	FD	1	p,p'-DDE	0.0028	0.43	0.43 J	NG/L	H2/B1

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Detected Results

Test Method: E1699		Extraction Method: METHOD			Leach Method: NONE					
FieldSample ID	LabSample ID	Matrix	Type	Dilution	Analyte	MDL	Lab Result	Qualified Result	Units	Reason
BA7DC-WO38-0915-3	L1678061-32	WO	FD	1	p,p'-DDT	0.0048	0.0085 J	0.0085 J	NG/L	H2/TR
BA7DC-WO5-0915-1	L1678061-27	WO	N	1	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0002	0.0003 J,M	0.0003 J	NG/L	H2/TR/G4
BA7DC-WO5-0915-1	L1678061-27	WO	N	1	o,p'-DDD	0.0020	0.0032 J,M	0.0032 J	NG/L	H2/L/TR/C11/G4
BA7DC-WO5-0915-1	L1678061-27	WO	N	1	o,p'-DDE	0.0007	0.0047 J,M	0.0047 J	NG/L	H2/TR/G4
BA7DC-WO5-0915-1	L1678061-27	WO	N	1	p,p'-DDD	0.0026	0.0055 J	0.0055 J	NG/L	H2/TR
BA7DC-WO5-0915-1	L1678061-27	WO	N	1	p,p'-DDE	0.0015	0.024 B	0.024 J	NG/L	H2/B1
W2-WO100-0915-1	L1678061-34	WO	N	1	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0007	0.0041 J	0.0041 J	NG/L	B1/H2/TR
W2-WO100-0915-1	L1678061-34	WO	N	1	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.029	0.050 M	0.050 J	NG/L	H2/G4/TR
W2-WO100-0915-1	L1678061-34	WO	N	1	o,p'-DDE	0.0039	0.012 J	0.012 J	NG/L	H2/TR
W2-WO100-0915-1	L1678061-34	WO	N	1	p,p'-DDE	0.0081	0.076 B	0.076 J	NG/L	H2/B1
W2-WO195-0915-1	L1678061-35	WO	N	1	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0006	0.013 J	0.013 J	NG/L	B1/H2/TR
W2-WO195-0915-1	L1678061-35	WO	N	1	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.018	0.13	0.13 J	NG/L	H2
W2-WO195-0915-1	L1678061-35	WO	N	1	o,p'-DDE	0.0024	0.033	0.033 J	NG/L	H2
W2-WO195-0915-1	L1678061-35	WO	N	1	p,p'-DDD	0.020	0.027	0.027 J	NG/L	H2
W2-WO195-0915-1	L1678061-35	WO	N	1	p,p'-DDE	0.0080	0.20 B	0.20 J	NG/L	H2/B1
W2-WO198-0915-1	L1678061-36	WO	N	1	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0009	0.012 J	0.012 J	NG/L	B1/H2/TR/X2
W2-WO198-0915-1	L1678061-36	WO	N	1	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.024	0.13 M	0.13 J	NG/L	H2/X2
W2-WO198-0915-1	L1678061-36	WO	N	1	o,p'-DDE	0.0025	0.030	0.030 J	NG/L	H2/X2
W2-WO198-0915-1	L1678061-36	WO	N	1	p,p'-DDD	0.018	0.026 M	0.026 J	NG/L	H2/X2
W2-WO198-0915-1	L1678061-36	WO	N	1	p,p'-DDE	0.0082	0.18 B	0.18 J	NG/L	H2/B1/X2
W2-WO5-0915-1	L1678061-33	WO	N	1	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0007	0.0025 J,M	0.0025 J	NG/L	B1/H2/TR/G4
W2-WO5-0915-1	L1678061-33	WO	N	1	o,p'-DDE	0.0033	0.0074 J,M	0.0074 J	NG/L	H2/TR/G4
W2-WO5-0915-1	L1678061-33	WO	N	1	p,p'-DDE	0.0091	0.034 B	0.034 J	NG/L	H2/B1
W3-WO195-0915-1	L1678061-9	WO	N	1	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0006	0.024	0.024 J	NG/L	H2
W3-WO195-0915-1	L1678061-9	WO	N	1	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.021	0.31	0.31 J	NG/L	H2
W3-WO195-0915-1	L1678061-9	WO	N	1	o,p'-DDD	0.0030	0.019 J,M	0.019 J	NG/L	B1/H2/TR/G4

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Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Detected Results

Test Method: E1699		Extraction Method: METHOD			Leach Method: NONE					
FieldSample ID	LabSample ID	Matrix	Type	Dilution	Analyte	MDL	Lab Result	Qualified Result	Units	Reason
W3-WO195-0915-1	L1678061-9	WO	N	1	o,p'-DDE	0.0024	0.061	0.061 J	NG/L	H2/B1
W3-WO195-0915-1	L1678061-9	WO	N	1	p,p'-DDD	0.011	0.039 M	0.039 J	NG/L	H2
W3-WO195-0915-1	L1678061-9	WO	N	1	p,p'-DDE	0.0069	0.39	0.39 J	NG/L	H2/B1

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Rejected Results

--No Records Found--

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Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

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Review Questions

Method: E1668C				
Review Questions	Yes	No	NA	Comment
Stage 2 Review: COC - Custody Trail?		•		Three samples (BA1B-WO05-0915-1, BA1B-WO75-0915-1, and BA1B-WO145-0915-1) were received by the laboratory that were not listed on the COC.
Stage 2 Review: COC - Temperature/Condition?	•			
Stage 2 Review: COC - Receipt anomalies?	•			Three samples (BA1B-WO05-0915-1, BA1B-WO75-0915-1, and BA1B-WO145-0915-1) were received by the laboratory that were not listed on the COC.
Stage 2 Review: COC - Sample/Methods checked?	•			
Stage 2 Review: Case Narrative - Anomalies?	•			See method comments.
Stage 2 Review: Samples - Collection date?	•			09/22/2015 and 09/23/2015
Stage 2 Review: Samples - Extraction date?				09/25/2015, 09/27/2015, 09/28/2015, and 09/29/2015
Stage 2 Review: Samples - Analysis date?	•			11/19/2015, 11/20/2015, 12/02/2015, 12/03/2015, 12/04/2015, and 12/18/2015
Stage 2 Review: Samples - Holding time?	•			
Stage 2 Review: Samples - Batching?	•			WG2178898, WG2180014, WG2180279, WG2180473
Stage 2 Review: Samples - Surrogate recoveries?			•	
Stage 2 Review: Samples - Lab qualifiers?	•			J-Flag: Result >= MDL, <= RL. R-flag: ion abundance criteria not met. M-flag: peak was manually integrated. B-flag: analyte detected in the blank >10% of sample concentration.
Stage 2 Review: Samples - Internal Standard recoveries?	•			There were failures of the C-13 monochloro-PCB Extraction Internal Standard recoveries. However, since monochlorobiphenyls are not required for this project, there is no negative impact on the data quality based on these low recoveries. For Client Sample IDs BA5C-WO55-0915-1 and BA5C-WO58-0915-1, the samples appear to have been double-spiked. Taking into account the actual spike concentrations, recoveries are acceptable.
Stage 2 Review: Calibration - ICAL?	•			
Stage 2 Review: Calibration - ICV?	•			
Stage 2 Review: Calibration - CCV?	•			
Stage 2 Review: Instrument - Tune?	•			

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Review Questions

Method: E1668C

Review Questions	Yes	No	NA	Comment
Stage 2 Review: Blank - Method blank?		•		QC Sample WG2180473-1: The following compounds were detected in the method blank. Associated sample results detected at a concentration less than the concentration in the method blank are flagged as not-detected (U) and the reporting limit has been raised to the concentration detected in the blank or the EMPC. Associated results detected at concentrations greater than the concentration in the method blank are flagged for potential high bias (J+).PCB-18/30 (3.6 pg/L)PCB-31 (3.64 pg/L)PCB-20/28 (4.57 pg/L)PCB-37 (1.56 pg/L)PCB-52 (3.61 pg/L)PCB-49/69 (1.34 pg/L)PCB-44/47/65 (5.3 pg/L)PCB-61/70/74/76 (2.75 pg/L)PCB-66 (1.28 pg/L)PCB-90/101/113 (1.81 pg/L)PCB-83/99 (0.72 pg/L)PCB-86/87/97/109/119/125 (1 pg/L)PCB-85/110/115/116/117 (2.5 pg/L)PCB-118 (1.34 pg/L)PCB-105 (0.59 pg/L)PCB-135/151 (0.68 pg/L)PCB-147/149 (1.23 pg/L)PCB-153/168 (1.03 pg/L)PCB-129/138/163 (1.57 pg/L)PCB-158 (0.18 pg/L)PCB-128/166 (0.26 pg/L)PCB-156/157 (0.376 pg/L)PCB-187 (0.24 pg/L)PCB-180/193 (0.53 pg/L)PCB-170 (0.38 pg/L)PCB-209 (2.36 pg/L)QC Sample WG2180014-1: The following compounds were detected in the method blank. Associated sample results detected at a concentration less than the concentration in the method blank are flagged as not-detected (U) and the reporting limit has been raised to the concentration detected in the blank or the EMPC. Associated results detected at concentrations greater than the concentration in the method blank are flagged for potential high bias (J+).PCB-18/30 (2.7 pg/L)PCB-31 (2.9 pg/L)PCB-20/28 (3.55 pg/L)PCB-37 (1.12 pg/L)PCB-52 (1.99 pg/L)PCB-49/69 (0.78 pg/L)PCB-44/47/65 (3.07 pg/L)PCB-61/70/74/76 (1.91 pg/L)PCB-66 (0.72 pg/L)PCB-90/101/113 (0.912 pg/L)PCB-85/110/115/116/117 (0.64 pg/L)PCB-118 (0.64 pg/L)PCB-105 (0.35 pg/L)PCB-153/168 (0.53 pg/L)PCB- 129/138/163 (0.79 pg/L)PCB-180/193 (0.288 pg/L)PCB-209 (0.684 pg/L) QC Sample WG2180279-1: The following compounds were detected in the method blank. Associated sample results detected at a concentration less than the concentration in the method blank are flagged as not-detected (U) and the reporting limit has been raised to the concentration detected in the blank or the EMPC. Associated results detected at concentrations greater than the concentration in the method blank are flagged for potential high bias (J+).PCB-52 (2.03 pg/L)PCB-44/47/65 (5.02 pg/L)PCB-61/70/74/76 (1.80 pg/L)PCB-85/110/115/116/117 (1.30 pg/L)

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Review Questions

Method: E1668C

Review Questions	Yes	No	NA	Comment
Stage 2 Review: Blank - Equipment blank?		•		Equipment Blank Sample ID WQ-ER2-0915-1: The following compounds were detected in the equipment blank sample collected on 09/22/2015. Some equipment blank detections were qualified as not-detected due to method blank contamination. Because separate method blanks are associated with the analyses of client samples in this SDG, the equipment blank assessment is different for each analytical batch. If there were detections in both the equipment blank and the method blank, the highest blank concentration (or the EMPC) was used as the update MDL. PCB-52 (1.8 pg/L) PCB-49/69 (0.783 pg/L) PCB-44/47/65 (2.54 pg/L) PCB-61/70/74/76 (1.73 pg/L) PCB-90/101/113 (0.75 pg/L) PCB-85/110/115/116/117 (1 pg/L) PCB-118 (1.12 pg/L) PCB-147/149 (0.503 pg/L) PCB-153/168 (0.61 pg/L) PCB-129/138/163 (0.89 pg/L) PCB-209 (0.43 pg/L) Associated sample results at a concentration less than the concentration in the equipment blank are qualified as not-detected (U). Associated sample results detected at concentrations greater than the equipment blank concentrations are qualified as estimated with a potential high bias (J+).
Stage 2 Review: Precision/Accuracy - LCS/LCSD?	•			Precision analyses are not required by the method. For overall project precision, all project LCS spike recoveries were statistically evaluated as a single data set and appear acceptable.
Stage 2 Review: Precision/Accuracy - Lab Replicate?			•	
Stage 2 Review: Precision/Accuracy - MS/MSD?			•	
Stage 2 Review: Quantitation - PQLs?	•			
Stage 2 Review: Quantitation - Dilution Factor?			•	No dilutions.
Stage 2 Review: Quantitation - Results (i.e. correct analytes, RTs)?	•			One or more sample results were reported by the laboratory as not-detected with a laboratory data flag of "R" and an EMPC value (indicating that ion abundance criteria were not met). For those results, the "PARVQ" was changed to "C", the "<" parameter was removed, and the results are qualified as estimated concentrations (J). Four PCB compounds co-eluted and were reported as combined analytes: PCB-70 and -74, PCB -87 and -119, PCB-153 and -168, and PCB-156 and -157.

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Review Questions

Method: E1668C

Review Questions

Yes

No

NA

Comment

Stage 2 Review: Quantitation - Column/Detector RPD?

•

Three field duplicate samples and one field triplicate sample were included in this SDG:

BA5C-WO58-0915-1 (NS)/-2 (FD)

BA1DC-WO5-0915-1(NS)/-2 (FD)

BA5DC-WO38-0915-1(NS)/-2 (FD)

BA7DC-WO38-0915-1(FR)/-2 (NS)/-3 (FD)

For Client Sample ID BA1DC-WO5-0915, the sample results for the following analytes are qualified as estimated concentrations (J/UJ) due to poor field duplicate precision: PCB-105, PCB-170, PCB-177, PCB-77, PCB-86/87/97, and PCB-99.

Stage 2 Review: Field Duplicates - RPD within limits?

•

For Client Sample ID BA5C-WO58-0915, the sample results for the following analytes are qualified as estimated concentrations (J/UJ) due to poor field duplicate precision: PCB-180, PCB-209, and PCB-66.

For Client Sample ID BA5DC-WO38-0915, the sample results for the following analytes are qualified as estimated concentrations (J/UJ) due to poor field duplicate precision: PCB-128, PCB-138, and PCB-151.

For Client Sample ID BA7DC-WO38-0915 (field triplicate), the sample results for the following analytes are qualified as estimated concentrations (J/UJ) due to poor field duplicate precision: PCB-105, PCB-110, PCB-114, PCB-118, PCB-123, PCB-138, PCB-149, PCB-156/157, PCB-158, PCB-167, PCB-169, PCB-170, PCB-177, PCB-18, PCB-180, PCB-183, PCB-187, PCB-194, PCB-195, PCB-203, PCB-37, PCB-66, PCB-77, and PCB-209

Automated Data Review Detail Report for L1678061

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Review Questions

Method: E1699				
Review Questions	Yes	No	NA	Comment
Stage 2 Review: COC - Custody Trail?		•		Three samples (BA1B-WO05-0915-1, BA1B-WO75-0915-1, and BA1B-WO145-0915-1) were received by the laboratory that were not listed on the COC. Log-in and analyses were approved by Gilbane.
Stage 2 Review: COC - Temperature/Condition?	•			
Stage 2 Review: COC - Receipt anomalies?	•			Three samples (BA1B-WO05-0915-1, BA1B-WO75-0915-1, and BA1B-WO145-0915-1) were received by the laboratory that were not listed on the COC. Log-in and analyses were approved by Gilbane.
Stage 2 Review: COC - Sample/Methods checked?	•			
Stage 2 Review: Case Narrative - Anomalies?			•	
Stage 2 Review: Samples - Collection date?	•			09/22/2015 and 09/23/2015
Stage 2 Review: Samples - Extraction date?	•			09/25/2015, 09/27/2015, 09/28/2015, 09/29/2015
Stage 2 Review: Samples - Analysis date?	•			12/04/2015, 12/05/2015, and 12/06/2015
Stage 2 Review: Samples - Holding time?		•		Holding time exceeded project criteria; samples were extracted within the 7 day recommended holding time, but were analyzed more than 40 days after extraction. The associated samples are qualified as estimated with a potential low bias (J-/UJ).
Stage 2 Review: Samples - Batching?	•			WG2178898, WG2180014, WG2180279, WG2180473
Stage 2 Review: Samples - Surrogate recoveries?			•	
Stage 2 Review: Samples - Lab qualifiers?	•			J-Flag: Result >= MDL, <= RL. R-flag: ion abundance criteria not met. M-flag: peak was manually integrated. B-flag: analyte detected in the blank >10% of sample concentration.
Stage 2 Review: Samples - Internal Standard recoveries?	•			Several extraction standard recoveries were low. For all project samples, only one of four standard recoveries did not meet criteria; therefore, qualification of data is not warranted.
Stage 2 Review: Calibration - ICAL?	•			
Stage 2 Review: Calibration - ICV?	•			
Stage 2 Review: Calibration - CCV?		•		High recoveries were noted for 2,4'-DDD in the following CCVs: H6-15-CCV-0705 (135%), H6-15-CCV-0706 (158%), H6-15-CCV-0707 (153%), and H6-15-CCV-0708 (159%). Associated sample results were qualified as estimated concentrations (J/UJ). High recoveries were noted for 2,4'-DDT in the following CCVs. Associated sample results were qualified as estimated concentrations (J/UJ). H6-15-CCV-0697 (143%) H6-15-CCV-0698 (152%) High recoveries were noted for 2,4'-DDD in the following CCVs. Associated sample results were qualified as estimated concentrations (J/UJ). H4-15-CCV-0311 (131%) H4-15-CCV-0313 (132%)

Automated Data Review Detail Report for L1678061

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Review Questions

Method: E1699

Review Questions	Yes	No	NA	Comment
Stage 2 Review: Blank - Method blank?				QC Sample WG2178898-1: The following compounds were detected in the method blank: 4,4'-DDE (0.0169 ng/L) 2,4'-DDE (0.0098 ng/L) QC Sample WG2180014-1: The following compound was detected in the method blank: 4,4'-DDE (0.0109 ng/L) QC Sample ID WG2180279-1: The following compounds were detected in the method blank: 4,4'-DDNU (0.0015 ng/L) 4,4'-DDE (0.0214 ng/L) Associated sample results detected at a concentration less than the concentration in the method blank are flagged as not-detected (U) and the reporting limit has been raised to the concentration detected in the blank or the EMPC. Associated results detected at concentrations greater than the concentration in the method blank are qualified as estimated with a potential high bias (J+).
Stage 2 Review: Blank - Equipment blank?	•			Equipment Blank ID WQ-ER2-0915-1: 4,4'-DDE was reported at a concentration of 0.00936 ng/L. This result was qualified as not-detected due to method blank contamination, so qualification of samples is not warranted based on equipment blank contamination.
Stage 2 Review: Instrument - Tune?	•			
Stage 2 Review: Instrument - Breakdown Standard?	•			
Stage 2 Review: Precision/Accuracy - Lab Replicates?			•	
Stage 2 Review: Precision/Accuracy - MS/MSD?			•	
Stage 2 Review: Precision/Accuracy - LCS/LCSD?		•		Precision analyses are not required by the method. For overall project precision, all project LCS spike recoveries were statistically evaluated as a single data set and appear acceptable. QC Sample WG2180473-2: High LCS percent recovery noted for 2,4'-DDD (159%). All associated samples were not-detected so qualification of data is not warranted. QC Sample WG2180014-2: High LCS percent recovery noted for 2,4'-DDD (130%). Associated detected sample results are qualified as estimated with potential high bias (J+).
Stage 2 Review: Quantitation - PQLs?	•			
Stage 2 Review: Quantitation - Dilution Factor?			•	No dilutions.

Automated Data Review Detail Report for L1678061

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Review Questions

Method: E1699				
Review Questions	Yes	No	NA	Comment
Stage 2 Review: Quantitation - Results (i.e. correct analytes, RTs)?	•			
Stage 2 Review: Quantitation - Column/Detector RPD?			•	
				Three field duplicate samples and one field triplicate sample were included in this SDG: BA1DC-WO5-0915-1 (NS)/-2 (FD) BA5C-WO58-0915-1(NS)/-2 (FD) BA5DC-WO38-0915-1(NS)/-2 (FD) BA7DC-WO38-0915-1(FR)/-2 (NS)/-3 (FD)
Stage 2 Review: Field Duplicates - RPD within limits?		•		For Client Sample ID BA1DC-WO5-0915, the sample results for 4,4'-DDNU are qualified as estimated concentrations (J/UJ) due to poor field duplicate precision. For Client Sample ID BA5DC-WO38-0915, the sample results for 2,4'-DDT and 4,4'-DDT are qualified as estimated concentrations (J/UJ) due to poor field duplicate precision. For Client Sample ID BA7DC-WO38-0915, the sample results for 2,4'-DDD are qualified as estimated concentrations (J/UJ) due to poor field duplicate precision. BA7DC-WO38-0915-1(FR)/-2 (NS)/-3 (FD)

Field Replicate Report
PV Shelf Water - 2015
SDG L1678061

Sample ID	Method	Analyte	NS Result	FD Result	Diff	Ave	RPD	Check	MDL	5X MDL
BA1DC-WO5-0915	E1668C	PCB101	1.57	1.71	-0.14	1.64	-8.5	OK	0.12	0.6
BA1DC-WO5-0915		PCB105	0.6	0.27	0.33	0.435	75.9	<5X MDL, 1X Rule - Flag D5	0.095	0.475
BA1DC-WO5-0915		PCB110	1.7	1.6	0.1	1.65	6.1	OK	0.098	0.49
BA1DC-WO5-0915		PCB114	0	0	0	0	0.0	OK	0.093	0.465
BA1DC-WO5-0915		PCB118	1.05	0.79	0.26	0.92	28.3	OK	0.091	0.455
BA1DC-WO5-0915		PCB123	0	0	0	0	0.0	OK	0.11	0.55
BA1DC-WO5-0915		PCB126	0	0	0	0	0.0	OK	0.09	0.45
BA1DC-WO5-0915		PCB128	0	0	0	0	0.0	OK	0.11	0.55
BA1DC-WO5-0915		PCB138	0.91	0.914	-0.004	0.912	-0.4	OK	0.12	0.6
BA1DC-WO5-0915		PCB149	0.86	0.689	0.171	0.7745	22.1	OK	0.12	0.6
BA1DC-WO5-0915		PCB151	0.25	0.19	0.06	0.22	27.3	OK	0.088	0.44
BA1DC-WO5-0915		PCB153/168	0.81	0.634	0.176	0.722	24.4	OK	0.1	0.5
BA1DC-WO5-0915		PCB156/157	0	0	0	0	0.0	OK	0.12	0.6
BA1DC-WO5-0915		PCB158	0	0	0	0	0.0	OK	0.087	0.435
BA1DC-WO5-0915		PCB167	0	0	0	0	0.0	OK	0.09	0.45
BA1DC-WO5-0915		PCB169	0	0	0	0	0.0	OK	0.095	0.475
BA1DC-WO5-0915		PCB170	0	0.14	-0.14	0.07	-200.0	<5X MDL, 1X Rule - Flag D5	0.1	0.5
BA1DC-WO5-0915		PCB177	0.15	0	0.15	0.075	200.0	<5X MDL, 1X Rule - Flag D5	0.11	0.55
BA1DC-WO5-0915		PCB18	1.78	2.11	-0.33	1.945	-17.0	OK	0.2	1
BA1DC-WO5-0915		PCB180	0.32	0.272	0.048	0.296	16.2	OK	0.084	0.42
BA1DC-WO5-0915		PCB183	0	0	0	0	0.0	OK	0.097	0.485
BA1DC-WO5-0915		PCB187	0.16	0.21	-0.05	0.185	-27.0	OK	0.087	0.435
BA1DC-WO5-0915		PCB189	0	0	0	0	0.0	OK	0.096	0.48
BA1DC-WO5-0915		PCB194	0	0	0	0	0.0	OK	0.083	0.415
BA1DC-WO5-0915		PCB195	0	0	0	0	0.0	OK	0.09	0.45
BA1DC-WO5-0915		PCB201	0	0	0	0	0.0	OK	0.071	0.355
BA1DC-WO5-0915		PCB203	0	0	0	0	0.0	OK	0.084	0.42

Field Replicate Report
PV Shelf Water - 2015
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Sample ID	Method	Analyte	NS Result	FD Result	Diff	Ave	RPD	Check	MDL	5X MDL
BA1DC-WO5-0915		PCB206	0	0	0	0	0.0	OK	0.48	2.4
BA1DC-WO5-0915		PCB209	0.65	0.44	0.21	0.545	38.5	OK	0.11	0.55
BA1DC-WO5-0915		PCB28	2.54	2.58	-0.04	2.56	-1.6	OK	0.18	0.9
BA1DC-WO5-0915		PCB31	2.05	1.99	0.06	2.02	3.0	OK	0.18	0.9
BA1DC-WO5-0915		PCB37	0.55	0.47	0.08	0.51	15.7	OK	0.2	1
BA1DC-WO5-0915		PCB44	0	0	0	0	0.0	OK	5.02	25.1
BA1DC-WO5-0915		PCB49	1.22	0.97	0.25	1.095	22.8	OK	0.13	0.65
BA1DC-WO5-0915		PCB52	2.31	2.4	-0.09	2.355	-3.8	OK	0.15	0.75
BA1DC-WO5-0915		PCB61/70/74	2.36	2	0.36	2.18	16.5	OK	0.19	0.95
BA1DC-WO5-0915		PCB66	1.17	1	0.17	1.085	15.7	OK	0.19	0.95
BA1DC-WO5-0915		PCB77	0.25	0	0.25	0.125	200.0	<5X MDL, 1X Rule - Flag D5	0.19	0.95
BA1DC-WO5-0915		PCB8	2.1	2.4	-0.3	2.25	-13.3	OK	0.66	3.3
BA1DC-WO5-0915		PCB81	0	0	0	0	0.0	OK	0.2	1
BA1DC-WO5-0915		PCB86/87/97	1.49	0.87	0.62	1.18	52.5	Flag D5	0.11	0.55
BA1DC-WO5-0915		PCB99	0.98	0.63	0.35	0.805	43.5	<5X MDL, 1X Rule - Flag D5	0.13	0.65
BA1DC-WO5-0915	E1699	o,p'-DDD	0	0	0	0	0.0	OK	0.007	0.035
BA1DC-WO5-0915		o,p'-DDE	0.0067	0.0061	0.0006	0.0064	9.4	OK	0.0012	0.006
BA1DC-WO5-0915		o,p'-DDT	0	0	0	0	0.0	OK	0.016	0.08
BA1DC-WO5-0915		p,p'-DDD	0	0	0	0	0.0	OK	0.012	0.06
BA1DC-WO5-0915		p,p'-DDE	0.0265	0.0264	0.00010	0.02645	0.4	OK	0.0062	0.031
BA1DC-WO5-0915		p,p'-DDMU	0	0	0	0	0.0	OK	0.0043	0.0215
BA1DC-WO5-0915		p,p'-DDNU	0.00209	0	0.00209	0.001045	200.0	<5X MDL, 1X Rule - Flag D5	0.00047	0.00235
BA1DC-WO5-0915		p,p'-DDT	0	0	0	0	0.0	OK	0.051	0.255
BA5C-WO58-0915	E1668C	PCB101	6.71	8.1	-1.39	7.405	-18.8	OK	0.5	2.5
BA5C-WO58-0915		PCB105	3.21	2.7	0.51	2.955	17.3	OK	0.47	2.35

Field Replicate Report
PV Shelf Water - 2015
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Sample ID	Method	Analyte	NS Result	FD Result	Diff	Ave	RPD	Check	MDL	5X MDL
BA5C-WO58-0915		PCB110	7.8	11.1	-3.3	9.45	-34.9	OK	0.44	2.2
BA5C-WO58-0915		PCB114	0	0	0	0	0.0	OK	0.5	2.5
BA5C-WO58-0915		PCB118	6.15	7.46	-1.31	6.805	-19.3	OK	0.45	2.25
BA5C-WO58-0915		PCB123	0	0	0	0	0.0	OK	0.53	2.65
BA5C-WO58-0915		PCB126	0	0	0	0	0.0	OK	0.54	2.7
BA5C-WO58-0915		PCB128	0.41	0.48	-0.07	0.445	-15.7	OK	0.36	1.8
BA5C-WO58-0915		PCB138	4.13	5.25	-1.12	4.69	-23.9	OK	0.4	2
BA5C-WO58-0915		PCB149	2.84	3.6	-0.76	3.22	-23.6	OK	0.36	1.8
BA5C-WO58-0915		PCB151	1.14	1.42	-0.28	1.28	-21.9	OK	0.3	1.5
BA5C-WO58-0915		PCB153/168	2.2	3.05	-0.85	2.625	-32.4	OK	0.29	1.45
BA5C-WO58-0915		PCB156/157	0.6	0.47	0.13	0.535	24.3	OK	0.36	1.8
BA5C-WO58-0915		PCB158	0	0	0	0	0.0	OK	0.27	1.35
BA5C-WO58-0915		PCB167	0	0	0	0	0.0	OK	0.28	1.4
BA5C-WO58-0915		PCB169	0	0	0	0	0.0	OK	0.32	1.6
BA5C-WO58-0915		PCB170	0	0	0	0	0.0	OK	0.87	4.35
BA5C-WO58-0915		PCB177	0	0	0	0	0.0	OK	0.91	4.55
BA5C-WO58-0915		PCB18	2.7	3.9	-1.2	3.3	-36.4	OK	2.3	11.5
BA5C-WO58-0915		PCB180	0	0.94	-0.94	0.47	-200.0	<5X MDL, 1X Rule - Flag D5	0.66	3.3
BA5C-WO58-0915		PCB183	0	0	0	0	0.0	OK	0.82	4.1
BA5C-WO58-0915		PCB187	0	0	0	0	0.0	OK	0.71	3.55
BA5C-WO58-0915		PCB189	0	0	0	0	0.0	OK	0.6	3
BA5C-WO58-0915		PCB194	0.19	0.26	-0.07	0.225	-31.1	OK	0.18	0.9
BA5C-WO58-0915		PCB195	0	0	0	0	0.0	OK	0.2	1
BA5C-WO58-0915		PCB201	0	0	0	0	0.0	OK	0.2	1
BA5C-WO58-0915		PCB203	0	0	0	0	0.0	OK	0.22	1.1
BA5C-WO58-0915		PCB206	0	0	0	0	0.0	OK	0.52	2.6
BA5C-WO58-0915		PCB209	0.44	0.71	-0.27	0.575	-47.0	<5X MDL, 1X Rule - Flag D5	0.18	0.9
BA5C-WO58-0915		PCB28	6.9	8.9	-2	7.9	-25.3	OK	2.3	11.5

Field Replicate Report
PV Shelf Water - 2015
SDG L1678061

Sample ID	Method	Analyte	NS Result	FD Result	Diff	Ave	RPD	Check	MDL	5X MDL
BA5C-WO58-0915	E1699	PCB31	5.6	6.3	-0.7	5.95	-11.8	OK	2.3	11.5
BA5C-WO58-0915		PCB37	0	0	0	0	0.0	OK	3.2	16
BA5C-WO58-0915		PCB44	10.4	12.1	-1.7	11.25	-15.1	OK	0.45	2.25
BA5C-WO58-0915		PCB49	5.55	6.38	-0.83	5.965	-13.9	OK	0.41	2.05
BA5C-WO58-0915		PCB52	11.5	14.6	-3.1	13.05	-23.8	OK	0.55	2.75
BA5C-WO58-0915		PCB61/70/74	14.3	17.4	-3.1	15.85	-19.6	OK	0.57	2.85
BA5C-WO58-0915		PCB66	7.6	11.9	-4.3	9.75	-44.1	Flag D5	0.59	2.95
BA5C-WO58-0915		PCB77	0	0	0	0	0.0	OK	0.7	3.5
BA5C-WO58-0915		PCB8	0	0	0	0	0.0	OK	3.6	18
BA5C-WO58-0915		PCB81	0	0	0	0	0.0	OK	0.72	3.6
BA5C-WO58-0915		PCB86/87/97	4.5	6.04	-1.54	5.27	-29.2	OK	0.47	2.35
BA5C-WO58-0915		PCB99	4.72	3.9	0.82	4.31	19.0	OK	0.58	2.9
BA5C-WO58-0915		o,p'-DDD	0.024	0.028	-0.004	0.026	-15.4	OK	0.0033	0.0165
BA5C-WO58-0915		o,p'-DDE	0.149	0.179	-0.03	0.164	-18.3	OK	0.0026	0.013
BA5C-WO58-0915		o,p'-DDT	0	0	0	0	0.0	OK	0.014	0.07
BA5C-WO58-0915		p,p'-DDD	0.0815	0.0907	-0.0092	0.0861	-10.7	OK	0.0066	0.033
BA5C-WO58-0915		p,p'-DDE	0.749	0.902	-0.153	0.8255	-18.5	OK	0.005	0.025
BA5C-WO58-0915		p,p'-DDMU	0.538	0.653	-0.115	0.5955	-19.3	OK	0.024	0.12
BA5C-WO58-0915		p,p'-DDNU	0.0457	0.0395	0.0062	0.0426	14.6	OK	0.0034	0.017
BA5C-WO58-0915		p,p'-DDT	0	0	0	0	0.0	OK	0.024	0.12
BA5DC-WO38-0915	E1668C	PCB101	8.2	8.29	-0.09	8.245	-1.1	OK	0.54	2.7
BA5DC-WO38-0915		PCB105	2.63	2.2	0.43	2.415	17.8	OK	0.4	2
BA5DC-WO38-0915		PCB110	11.4	9.01	2.39	10.205	23.4	OK	0.48	2.4
BA5DC-WO38-0915		PCB114	0	0	0	0	0.0	OK	0.47	2.35
BA5DC-WO38-0915		PCB118	8.04	6.42	1.62	7.23	22.4	OK	0.44	2.2
BA5DC-WO38-0915		PCB123	0	0	0	0	0.0	OK	0.48	2.4
BA5DC-WO38-0915		PCB126	0	0	0	0	0.0	OK	0.49	2.45

Field Replicate Report
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Sample ID	Method	Analyte	NS Result	FD Result	Diff	Ave	RPD	Check	MDL	5X MDL
BA5DC-WO38-0915		PCB128	0.45	0	0.45	0.225	200.0	<5X MDL, 1X Rule - Flag D5	0.35	1.75
BA5DC-WO38-0915		PCB138	5.04	3.14	1.9	4.09	46.5	Flag D5	0.39	1.95
BA5DC-WO38-0915		PCB149	3.09	2.1	0.99	2.595	38.2	OK	0.35	1.75
								<5X MDL, 1X Rule -		
BA5DC-WO38-0915		PCB151	1.72	0.9	0.82	1.31	62.6	Flag D5	0.28	1.4
BA5DC-WO38-0915		PCB153/168	3.4	2.4	1	2.9	34.5	OK	0.29	1.45
BA5DC-WO38-0915		PCB156/157	0	0	0	0	0.0	OK	0.36	1.8
BA5DC-WO38-0915		PCB158	0	0	0	0	0.0	OK	0.27	1.35
BA5DC-WO38-0915		PCB167	0	0	0	0	0.0	OK	0.3	1.5
BA5DC-WO38-0915		PCB169	0	0	0	0	0.0	OK	0.28	1.4
BA5DC-WO38-0915		PCB170	0	0	0	0	0.0	OK	0.71	3.55
BA5DC-WO38-0915		PCB177	0	0	0	0	0.0	OK	0.74	3.7
BA5DC-WO38-0915		PCB18	2.9	2.9	0	2.9	0.0	OK	2.6	13
BA5DC-WO38-0915		PCB180	0.89	0.74	0.15	0.815	18.4	OK	0.54	2.7
BA5DC-WO38-0915		PCB183	0	0	0	0	0.0	OK	0.67	3.35
BA5DC-WO38-0915		PCB187	0.69	0.58	0.11	0.635	17.3	OK	0.58	2.9
BA5DC-WO38-0915		PCB189	0	0	0	0	0.0	OK	0.53	2.65
BA5DC-WO38-0915		PCB194	0	0	0	0	0.0	OK	0.21	1.05
BA5DC-WO38-0915		PCB195	0	0	0	0	0.0	OK	0.23	1.15
BA5DC-WO38-0915		PCB201	0	0	0	0	0.0	OK	0.15	0.75
BA5DC-WO38-0915		PCB203	0	0	0	0	0.0	OK	0.16	0.8
BA5DC-WO38-0915		PCB206	0	0	0	0	0.0	OK	0.6	3
BA5DC-WO38-0915		PCB209	0	0	0	0	0.0	OK	0.2	1
BA5DC-WO38-0915		PCB28	6.8	8.4	-1.6	7.6	-21.1	OK	2.6	13
BA5DC-WO38-0915		PCB31	4.4	5.7	-1.3	5.05	-25.7	OK	2.5	12.5
BA5DC-WO38-0915		PCB37	0	0	0	0	0.0	OK	3.3	16.5
BA5DC-WO38-0915		PCB44	9.5	11	-1.5	10.25	-14.6	OK	0.45	2.25
BA5DC-WO38-0915		PCB49	5.53	5.75	-0.22	5.64	-3.9	OK	0.4	2
BA5DC-WO38-0915		PCB52	11.7	13.1	-1.4	12.4	-11.3	OK	0.55	2.75

Field Replicate Report
PV Shelf Water - 2015
SDG L1678061

Sample ID	Method	Analyte	NS Result	FD Result	Diff	Ave	RPD	Check	MDL	5X MDL
BA5DC-WO38-0915	E1699	PCB61/70/74	14.3	13.2	1.1	13.75	8.0	OK	0.39	1.95
BA5DC-WO38-0915		PCB66	9.1	9.02	0.08	9.06	0.9	OK	0.4	2
BA5DC-WO38-0915		PCB77	0	0	0	0	0.0	OK	0.46	2.3
BA5DC-WO38-0915		PCB8	0	0	0	0	0.0	OK	4.1	20.5
BA5DC-WO38-0915		PCB81	0	0	0	0	0.0	OK	0.46	2.3
BA5DC-WO38-0915		PCB86/87/97	5.93	4.26	1.67	5.095	32.8	OK	0.51	2.55
BA5DC-WO38-0915		PCB99	4.78	4.1	0.68	4.44	15.3	OK	0.63	3.15
BA5DC-WO38-0915		o,p'-DDD	0.023	0.0292	-0.0062	0.0261	-23.8	OK	0.0029	0.0145
BA5DC-WO38-0915		o,p'-DDE	0.158	0.145	0.013	0.1515	8.6	OK	0.0024	0.012
BA5DC-WO38-0915		o,p'-DDT	0.015	0	0.015	0.0075	200.0	<5X MDL, 1X Rule - Flag D5	0.01	0.05
BA5DC-WO38-0915		p,p'-DDD	0.0843	0.0862	-0.0019	0.08525	-2.2	OK	0.0048	0.024
BA5DC-WO38-0915		p,p'-DDE	0.799	0.712	0.087	0.7555	11.5	OK	0.0064	0.032
BA5DC-WO38-0915		p,p'-DDMU	0.646	0.625	0.021	0.6355	3.3	OK	0.016	0.08
BA5DC-WO38-0915		p,p'-DDNU	0.0616	0.0456	0.016	0.0536	29.9	OK	0.0035	0.0175
BA5DC-WO38-0915		p,p'-DDT	0.019	0	0.019	0.0095	200.0	<5X MDL, 1X Rule - Flag D5	0.012	0.06

Field Triplicate Report
PV Shelf Water - 2015
SDG L1678061

Sample ID	Method	Analyte	Field Replicate	NS Result	Diff	Ave	RPD	Check	MDL	5X MDL
BA7DC-WO38-0915	E1668C	PCB101	5.5	5.18	0.32	5.34	6.0	OK	0.17	0.85
BA7DC-WO38-0915		PCB105	2.26	3.95	-1.69	3.105	-54.4	Flag D5	0.098	0.49
BA7DC-WO38-0915		PCB110	7.61	8.72	-1.11	8.165	-13.6	OK	0.15	0.75
BA7DC-WO38-0915		PCB114	0	0.24	-0.24	0.12	-200.0	<5X MDL, 1X Rule - Flag D5	0.099	0.495
BA7DC-WO38-0915		PCB118	5.53	4.9	0.63	5.215	12.1	OK	0.1	0.5
BA7DC-WO38-0915		PCB123	0.14	0.18	-0.04	0.16	-25.0	OK	0.099	0.495
BA7DC-WO38-0915		PCB126	0	0	0	0	0.0	OK	0.097	0.485
BA7DC-WO38-0915		PCB128	0.5	0.46	0.04	0.48	8.3	OK	0.065	0.325
BA7DC-WO38-0915		PCB138	4.29	3.26	1.03	3.775	27.3	OK	0.07	0.35
BA7DC-WO38-0915		PCB149	0	2	-2	1	-200.0	<5X MDL, 1X Rule - Flag D5	0.073	0.365
BA7DC-WO38-0915		PCB151	1.15	1.03	0.12	1.09	11.0	OK	0.062	0.31
BA7DC-WO38-0915		PCB153/168	3.23	2.24	0.99	2.735	36.2	OK	0.06	0.3
BA7DC-WO38-0915		PCB156/157	0.47	0.43	0.04	0.45	8.9	OK	0.077	0.385
BA7DC-WO38-0915		PCB158	0.37	0.283	0.087	0.3265	26.6	OK	0.051	0.255
BA7DC-WO38-0915		PCB167	0.21	0	0.21	0.105	200.0	<5X MDL, 1X Rule - Flag D5	0.058	0.29
BA7DC-WO38-0915		PCB169	0	0.124	-0.124	0.062	-200.0	<5X MDL, 1X Rule - Flag D5	0.057	0.285
BA7DC-WO38-0915		PCB170	0.715	0.27	0.445	0.4925	90.4	<5X MDL, 1X Rule - Flag D5	0.066	0.33
BA7DC-WO38-0915		PCB177	0.34	0	0.34	0.17	200.0	<5X MDL, 1X Rule - Flag D5	0.067	0.335
BA7DC-WO38-0915		PCB18	0	0	0	0	0.0	OK	2.5	12.5
BA7DC-WO38-0915		PCB180	1.42	0.83	0.59	1.125	52.4	Flag D5	0.051	0.255
BA7DC-WO38-0915		PCB183	0.41	0.24	0.17	0.325	52.3	<5X MDL, 1X Rule - Flag D5	0.061	0.305
BA7DC-WO38-0915		PCB187	0.754	0.44	0.314	0.597	52.6	Flag D5	0.052	0.26

Field Triplicate Report
PV Shelf Water - 2015
SDG L1678061

Sample ID	Method	Analyte	Field Replicate		Diff	Ave	RPD	Check	MDL	5X MDL
			Result	NS Result						
BA7DC-WO38-0915		PCB189	0	0	0	0	0.0	OK	0.068	0.34
BA7DC-WO38-0915		PCB194	0.27	0.16	0.11	0.215	51.2	<5X MDL, 1X Rule - Flag D5	0.072	0.36
BA7DC-WO38-0915		PCB195	0.15	0	0.15	0.075	200.0	<5X MDL, 1X Rule - Flag D5	0.079	0.395
BA7DC-WO38-0915		PCB201	0	0	0	0	0.0	OK	0.055	0.275
BA7DC-WO38-0915		PCB203	0	0.16	-0.16	0.08	-200.0	<5X MDL, 1X Rule - Flag D5	0.066	0.33
BA7DC-WO38-0915		PCB206	0	0	0	0	0.0	OK	0.22	1.1
BA7DC-WO38-0915		PCB209	1.54	0	1.54	0.77	200.0	<5X MDL, 1X Rule - Flag D5	0.055	0.275
BA7DC-WO38-0915		PCB28	5.57	4.57	1	5.07	19.7	OK	0.15	0.75
BA7DC-WO38-0915		PCB31	3.94	3.76	0.18	3.85	4.7	OK	0.15	0.75
BA7DC-WO38-0915		PCB37	0	1.79	-1.79	0.895	-200.0	<5X MDL, 1X Rule - Flag D5	1.12	5.6
BA7DC-WO38-0915		PCB44	6.96	7.31	-0.35	7.135	-4.9	OK	0.083	0.415
BA7DC-WO38-0915		PCB49	3.38	3.33	0.05	3.355	1.5	OK	0.076	0.38
BA7DC-WO38-0915		PCB52	7.34	7.02	0.32	7.18	4.5	OK	0.097	0.485
BA7DC-WO38-0915		PCB61/70/74	9.48	11.1	-1.62	10.29	-15.7	OK	0.1	0.5
BA7DC-WO38-0915		PCB66	5.86	7.66	-1.8	6.76	-26.6	OK	0.11	0.55
BA7DC-WO38-0915		PCB77	0.48	1.3	-0.82	0.89	-92.1	<5X MDL, 1X Rule - Flag D5	0.11	0.55
BA7DC-WO38-0915		PCB8	0	0	0	0	0.0	OK	2	10
BA7DC-WO38-0915		PCB81	0	0	0	0	0.0	OK	0.12	0.6
BA7DC-WO38-0915		PCB86/87/97	3.91	2.6	1.31	3.255	40.2	OK	0.16	0.8
BA7DC-WO38-0915		PCB99	3.25	2.9	0.35	3.075	11.4	OK	0.19	0.95
BA7DC-WO38-0915	E1699	o,p'-DDD	0.024	0.035	-0.011	0.0295	-37.3	Flag D5	0.0042	0.021
BA7DC-WO38-0915		o,p'-DDE	0.116	0.0958	0.0202	0.1059	19.1	OK	0.00093	0.00465

Field Triplicate Report
PV Shelf Water - 2015
SDG L1678061

Sample ID	Method	Analyte	NS Result	FD Result	Diff	Ave	RPD	Check	MDL	5X MDL
BA7DC-WO38-0915	E1668C	o,p'-DDT	0	0	0	0	0.0	OK	0.0097	0.0485
BA7DC-WO38-0915		p,p'-DDD	0.0821	0.0808	0.0013	0.08145	1.6	OK	0.0055	0.0275
BA7DC-WO38-0915		p,p'-DDE	0.566	0.477	0.089	0.5215	17.1	OK	0.0021	0.0105
BA7DC-WO38-0915		p,p'-DDMU	0.399	0.374	0.025	0.3865	6.5	OK	0.0079	0.0395
BA7DC-WO38-0915		p,p'-DDNU	0.0207	0.017	0.0037	0.01885	19.6	OK	0.0032	0.016
BA7DC-WO38-0915		p,p'-DDT	0.0145	0.0113	0.0032	0.0129	24.8	OK	0.0093	0.0465
BA7DC-WO38-0915		PCB101	5.18	4.57	0.61	4.875	12.5	OK	0.17	0.85
BA7DC-WO38-0915		PCB105	3.95	1.51	2.44	2.73	89.4	Flag D5	0.098	0.49
BA7DC-WO38-0915		PCB110	8.72	5.67	3.05	7.195	42.4	Flag D5	0.15	0.75
BA7DC-WO38-0915		PCB114	0.24	0.19	0.05	0.215	23.3	OK	0.099	0.495
BA7DC-WO38-0915		PCB118	4.9	3.26	1.64	4.08	40.2	Flag D5	0.1	0.5
BA7DC-WO38-0915		PCB123	0.18	0	0.18	0.09	200.0	<5X MDL, 1X Rule - Flag D5	0.099	0.495
BA7DC-WO38-0915		PCB126	0	0	0	0	0.0	OK	0.097	0.485
BA7DC-WO38-0915		PCB128	0.46	0.36	0.1	0.41	24.4	OK	0.065	0.325
BA7DC-WO38-0915		PCB138	3.26	1.93	1.33	2.595	51.3	Flag D5	0.07	0.35
BA7DC-WO38-0915		PCB149	2	1.7	0.3	1.85	16.2	OK	0.073	0.365
BA7DC-WO38-0915		PCB151	1.03	0.76	0.27	0.895	30.2	OK	0.062	0.31
BA7DC-WO38-0915		PCB153/168	2.24	1.83	0.41	2.035	20.1	OK	0.06	0.3
BA7DC-WO38-0915		PCB156/157	0.43	0.18	0.25	0.305	82.0	<5X MDL, 1X Rule - Flag D5	0.077	0.385
BA7DC-WO38-0915		PCB158	0.283	0.17	0.113	0.2265	49.9	<5X MDL, 1X Rule - Flag D5	0.051	0.255
BA7DC-WO38-0915		PCB167	0	0	0	0	0.0	OK	0.058	0.29
BA7DC-WO38-0915		PCB169	0.124	0	0.124	0.062	200.0	<5X MDL, 1X Rule - Flag D5	0.057	0.285
BA7DC-WO38-0915		PCB170	0.27	0.24	0.03	0.255	11.8	OK	0.066	0.33
BA7DC-WO38-0915		PCB177	0	0	0	0	0.0	OK	0.067	0.335
BA7DC-WO38-0915		PCB18	0	3.14	-3.14	1.57	-200.0	<5X MDL, 1X Rule - Flag D5	2.5	12.5

Field Triplicate Report
PV Shelf Water - 2015
SDG L1678061

Sample ID	Method	Analyte	NS Result	FD Result	Diff	Ave	RPD	Check	MDL	5X MDL
BA7DC-WO38-0915	E1699	PCB180	0.83	0.467	0.363	0.6485	56.0	Flag D5	0.051	0.255
BA7DC-WO38-0915		PCB183	0.24	0.15	0.09	0.195	46.2	<5X MDL, 1X Rule - Flag D5	0.061	0.305
BA7DC-WO38-0915		PCB187	0.44	0.27	0.17	0.355	47.9	Flag D5	0.052	0.26
BA7DC-WO38-0915		PCB189	0	0	0	0	0.0	OK	0.068	0.34
BA7DC-WO38-0915		PCB194	0.16	0	0.16	0.08	200.0	<5X MDL, 1X Rule - Flag D5	0.072	0.36
BA7DC-WO38-0915		PCB195	0	0	0	0	0.0	OK	0.079	0.395
BA7DC-WO38-0915		PCB201	0	0	0	0	0.0	OK	0.055	0.275
BA7DC-WO38-0915		PCB203	0.16	0.109	0.051	0.1345	37.9	OK	0.066	0.33
BA7DC-WO38-0915		PCB206	0	0	0	0	0.0	OK	0.22	1.1
BA7DC-WO38-0915		PCB209	0	0	0	0	0.0	OK	0.055	0.275
BA7DC-WO38-0915		PCB28	4.57	4.79	-0.22	4.68	-4.7	OK	0.15	0.75
BA7DC-WO38-0915		PCB31	3.76	4.06	-0.3	3.91	-7.7	OK	0.15	0.75
BA7DC-WO38-0915		PCB37	1.79	0	1.79	0.895	200.0	<5X MDL, 1X Rule - Flag D5	1.12	5.6
BA7DC-WO38-0915		PCB44	7.31	9.54	-2.23	8.425	-26.5	OK	0.083	0.415
BA7DC-WO38-0915		PCB49	3.33	3.2	0.13	3.265	4.0	OK	0.076	0.38
BA7DC-WO38-0915		PCB52	7.02	6.98	0.04	7	0.6	OK	0.097	0.485
BA7DC-WO38-0915		PCB61/70/74	11.1	8.18	2.92	9.64	30.3	OK	0.1	0.5
BA7DC-WO38-0915		PCB66	7.66	4.77	2.89	6.215	46.5	Flag D5	0.11	0.55
BA7DC-WO38-0915		PCB77	1.3	0.27	1.03	0.785	131.2	<5X MDL, 1X Rule - Flag D5	0.11	0.55
BA7DC-WO38-0915		PCB8	0	0	0	0	0.0	OK	2	10
BA7DC-WO38-0915		PCB81	0	0	0	0	0.0	OK	0.12	0.6
BA7DC-WO38-0915		PCB86/87/97	2.6	3.18	-0.58	2.89	-20.1	OK	0.16	0.8
BA7DC-WO38-0915		PCB99	2.9	2.7	0.2	2.8	7.1	OK	0.19	0.95
BA7DC-WO38-0915		o,p'-DDD	0.035	0.028	0.007	0.0315	22.2	OK	0.0042	0.021
BA7DC-WO38-0915		o,p'-DDE	0.0958	0.0893	0.0065	0.09255	7.0	OK	0.00093	0.00465
BA7DC-WO38-0915		o,p'-DDT	0	0	0	0	0.0	OK	0.0097	0.0485

Field Triplicate Report
PV Shelf Water - 2015
SDG L1678061

Sample ID	Method	Analyte	NS Result	FD Result	Diff	Ave	RPD	Check	MDL	5X MDL
BA7DC-WO38-0915		p,p'-DDD	0.0808	0.0671	0.0137	0.07395	18.5	OK	0.0055	0.0275
BA7DC-WO38-0915		p,p'-DDE	0.477	0.426	0.051	0.4515	11.3	OK	0.0021	0.0105
BA7DC-WO38-0915		p,p'-DDMU	0.374	0.381	-0.007	0.3775	-1.9	OK	0.0079	0.0395
BA7DC-WO38-0915		p,p'-DDNU	0.017	0.0167	0.0003	0.01685	1.8	OK	0.0032	0.016
BA7DC-WO38-0915		p,p'-DDT	0.0113	0.0085	0.0028	0.0099	28.3	OK	0.0093	0.0465

AUTOMATED DATA REVIEW SUMMARY for L1678061_rev1

Facility: EPA, Region 9
PV Shelf Water

Guidance Document: Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery Component Palos Verdes Shelf, Los Angeles County, California

Contract Laboratory: ALS LAB GROUP, BURLINGTON, ON CANADA

Field Contractor: Gilbane Company, Walnut Creek, CA

Data Review Contractor: Gilbane Federal, Concord, CA

SDG: L1678061_rev1, Certified - 9/20/2016 by wtse

QC Level: S2AVEM

Project Manager: Robert Lindfors

Data Reviewer: Tom Beer

Data Reviewer Title: Project Chemist

Date of Review Report: September 22, 2016

Second Reviewer:

Completion Date of Second Reviewer:

Samples Included in SDG L1678061_rev1

Analytical Method/ Leach Method	Normal Water Samples	Field QC Water Samples
E1668C/NONE	1	0

AUTOMATED DATA REVIEW SUMMARY for L1678061_rev1

This report assesses the analytical data quality associated with the analyses listed on the preceding cover page. This assessment has been made through a combination of automated data review (ADR) and supplemental manual review, the details of which are described below. The approach taken in the review of this data set is consistent with the requirements contained in the Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery Component Palos Verdes Shelf, Los Angeles County, California to the extent possible. Where definitive guidance is not provided, data has been evaluated in a conservative manner using professional judgment. In cases where two qualifiers are listed as an action, such as 'J/UJ', the first qualifier applies to positive results, and the second to non-detect results.

Samples were collected by Gilbane Company, Walnut Creek, CA; analyses were performed by ALS LAB GROUP, BURLINGTON, ON CANADA and were reported under sample delivery group (SDG) L1678061_rev1. Results have been evaluated electronically using electronic data deliverables (EDDs) provided by the laboratory. The laboratory data summary forms (hard copy) have been reviewed during this effort and compared to the automated review output. Findings based on the automated data submission and manual data verification processes are detailed in the ADR narrative.

The following quality control elements were supported by the electronic deliverable and were evaluated during this review effort:

Prep Hold Time

Test Hold Time

The following quality control elements were either not applicable to the deliverable, or were not supported by the electronic deliverable, and were therefore not included in the automated data review. Those elements required for the project were reviewed manually, as narrated in the Comment section below.

Ambient Blank

Blank

Blank - Negative

Calibration Blank

Calibration Blank - Negative

Continuing Calibration Verification

Equipment Blank

Field Blank

Field Duplicate

Initial Calibration Verification

Lab Replicate RPD

LCS Recovery

Material Blank

MS Recovery

MS RPD

Negative Blank

Surrogate

Trip Blank

AUTOMATED DATA REVIEW SUMMARY for L1678061_rev1

A minimum of ten percent of sample and QC results were manually evaluated for compliance with project specific requirements and consistency with hard copy results. The following summaries were generated during the evaluation of this data set and are included in this report as applicable.

Batch – The analytical batch report is reviewed for completeness and compliance with project specific requirements. Incomplete or non-compliant run sequences are identified and their impact on data quality are discussed in the narrative.

QC Outlier – Results exceeding the evaluation criteria are reviewed for compliance with project requirements and a minimum of ten percent of the non-compliant QC values reported electronically are verified for consistency with hard-copy values.

Qualified Results – Qualified results are evaluated for compliance with project requirements and ten percent of qualified results are verified for consistency with the QC Outliers.

Rejected Results – All rejected results are evaluated for compliance with project requirements. The reason for rejection of the data is verified against hard copy data.

Field Duplicates – Field duplicate comparison results are evaluated for compliance with project requirements and ten percent of values reported are verified for consistency with the hard-copy data.

Data Submission Warnings – Warnings encountered during the data submission process are evaluated and their affect on data quality is discussed in the narrative below.

Analytical deficiencies, project non-compliance issues and inconsistencies with hard copy results observed during ADR evaluation process and their impact on data quality are summarized in the narrative below.

A total of 5 results (100.00%) out of the 5 results (sample and field QC samples) reported are qualified based on review and 5 results (100.00%) have been rejected. The qualified results are detailed in the following tables and discussed in the narrative below, where appropriate.

Narrative Comments

Reviewer checked the ALS Environmental Labs (Canada) report for sample BA5DC-WO35-0915-1.

Five (5) PCB congeners in sample BA5DC-WO35-0915-1 were non-quantifiable (NQ) and not reported by the lab in the EDD and not available for 3rd party data validation.

The five (5) PCB congener results for PCB8, PCB18, PCB28, PCB31, and PCB37, are rejected (R) due to 0% recovery of associated labeled extraction standards (surrogates [S]).

The associated labeled standards with 0%R are 13C12-PCB1, -PCB3, -PCB4, -PCB15, and -PCB19. 13C12-PCB37 has 4%R and PCB37 is also rejected(R).

J. Beer

Digitally signed by Tom Beer
DN: cn=Tom Beer, o, ou, email=tbeer@gilbaneco.com, c=US
Date: 2016.09.22 10:55:29 -07'00'

22-Sep-2016

Released by Tom Beer, Project Chemist

AUTOMATED DATA REVIEW SUMMARY for L1678061_rev1

Reason and Comment Code Definitions

Reasons	
Code	Definition
A	Serial dilution
A1	Ambient Blank
B1	The analyte was found in an associated method blank.
B2	Calibration Blank
B3	Calibration Blank - Negative
B4	Negative Blank
B5	The analyte was found in an associated blank as well as in the sample.
C10	Continuing Calibration Verification RRF
C11	Continuing Calibration Verification percent recovery, percent difference, or percent drift
C12	Low Level Continuing Calibration Verification was outside control limits
D1	Lab Replicate RPD
D2	MS RPD exceeded established criteria.
D4	No precision available
D5	Field duplicate precision
D6	RPD of laboratory control sample exceeded criteria
D7	Field Duplicate not usable
E	Exceeds LinearCalibration Range
F	Hydrocarbon pattern does not match standard
G	Initial Calibration RRF
G1	Initial Calibration RSD
G2	Initial Calibration Verification percent recovery, percent difference, or percent drift
G3	r2 values < 0.990 in the ICAL
G4	Ion abundance ratios are outside criteria - estimated maximum possible concentration (EMPC) reported
G5	Initial Calibration out for metals/inorganics
H1	Test Hold Time
H2	Prep Hold Time

AUTOMATED DATA REVIEW SUMMARY for L1678061_rev1

Reason and Comment Code Definitions

Reasons	
Code	Definition
I	Internal standard
J	CRA/CRI Recovery
K	An analyte (non-common laboratory artifact) was detected in the sample at a concentration less than 5X the concentration detected in the associated method blank.
K1	Detected in the associated equipment rinsate blank.
K2	Detected in the associated field (i.e., ambient) blank.
K3	Detected in the associated trip blank.
K4	Detected in the associated storage blank
K5	Detected in the associated source blank
L	Percent recovery of laboratory control sample recovery was outside established limits
L1	A common laboratory artifact was detected in the sample at a concentration less than 10X the concentration detected in the associated method blank. (Negative)
M	Matrix spike recovery was outside established criteria.
M1	Minimum matrix spike frequency was not attained
N	Blank - No Action
O	Interference check sample
P	Sample preservation/collection requirement not met.
P1	Column or detector RPD
P2	Improper preparation/extraction
Q1	Material Blank
S	Surrogate recovery out of criteria (upper or lower limit)
S1	Sample less than 50% solids
T	Receipt Temperature
T2	RSD of lab triplicate out
TI	Tentatively Identified Compound
TR	Trace Level Detect
V	Sample Receipt Condition
W	Column breakdown (pesticides)

AUTOMATED DATA REVIEW SUMMARY for L1678061_rev1

Reason and Comment Code Definitions

Reasons	
Code	Definition
X	Raised reporting limit
X1	Unresolved Isomers; no peak separation
X2	Qualified due to professional judgment, see data validation narrative.
Y	Analyte not confirmed on second column
Y1	False Positive
Y2	Sum of species greater than total result
Z	Data rejected due to radiological anomalies
Z1	Data rejected, more valid data available

Flag Code and Definitions

Flag	Definition
U	Undetected: The analyte was analyzed for, but not detected.
UJ	The analyte was not detected; however, the result is estimated due to discrepancies in meeting certain analyte-specific quality control criteria.
J	Estimated: The analyte was positively identified, the quantitation is an estimation due to discrepancies in meeting certain analyte-specific quality control criteria.
R	The data are rejected due to deficiencies in meeting QC criteria and may not be used for decision making.
N	The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification".
NJ	The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.

AUTOMATED DATA REVIEW SUMMARY for L1678061_rev1

Batch Report

Test Method: E1668C; Leach Method: NONE												
Analytical Batch	Prep Batch	Leach Batch	Location	Matrix	Field Sample ID	Lab Sample ID	Calibration Ref	Run#/ Dil'n	Collection Date/Time	Extract Date/Time	Analysis Date/Time	Sample Type
R3325812	R3325812	NA	BA5DC	WO	BA5DC-WO35-0915-1	L1678061-13		1/1	22-Sep-2015 12:51 PM	25-Sep-2015 12:00 AM	20-Nov-2015 9:11 AM	N

AUTOMATED DATA REVIEW SUMMARY for L1678061_rev1

Field Batch Report

--No Records Found--

QC Outlier Report

--No Records Found--

Qualified Results

Test Leach	Matrix	FieldSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Units	Reason
E1668C/NONE	WO	BA5DC-WO35-0915-1	N	2,2',5-TRICHLOROBIPHENYL	15.2	15.2 NQ	15.2 R	PG/L	S
E1668C/NONE	WO	BA5DC-WO35-0915-1	N	2,4,4'-TRICHLOROBIPHENYL	15.2	15.2 NQ	15.2 R	PG/L	S
E1668C/NONE	WO	BA5DC-WO35-0915-1	N	2,4',5-TRICHLOROBIPHENYL	15.2	15.2 NQ	15.2 R	PG/L	S
E1668C/NONE	WO	BA5DC-WO35-0915-1	N	2,4'-DICHLOROBIPHENYL	15.2	15.2 NQ	15.2 R	PG/L	S
E1668C/NONE	WO	BA5DC-WO35-0915-1	N	3,4,4'-TRICHLOROBIPHENYL	15.2	15.2 NQ	15.2 R	PG/L	S

AUTOMATED DATA REVIEW SUMMARY for L1678061_rev1

Detected Results

--No Records Found--

Rejected Results

Test Leach	Matrix	FieldSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Units	Reason
E1668C/NONE	WO	BA5DC-WO35-0915-1	N	2,4'-DICHLOROBIPHENYL	15.2	15.2 NQ	R	PG/L	S
E1668C/NONE	WO	BA5DC-WO35-0915-1	N	2,4',5-TRICHLOROBIPHENYL	15.2	15.2 NQ	R	PG/L	S
E1668C/NONE	WO	BA5DC-WO35-0915-1	N	3,4,4'-TRICHLOROBIPHENYL	15.2	15.2 NQ	R	PG/L	S
E1668C/NONE	WO	BA5DC-WO35-0915-1	N	2,2',5-TRICHLOROBIPHENYL	15.2	15.2 NQ	R	PG/L	S
E1668C/NONE	WO	BA5DC-WO35-0915-1	N	2,4,4'-TRICHLOROBIPHENYL	15.2	15.2 NQ	R	PG/L	S

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Facility: EPA, Region 9
 Event: PV Shelf Water
 Guidance Document: Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery Component Palos Verdes Shelf, Los Angeles County, California
 Contract Laboratory: ALS LAB GROUP, BURLINGTON, ON CANADA
 Field Contractor: Gilbane Company, Walnut Creek, CA
 Data Review Contractor: Veridian Environmental, Inc.
 SDG: L1678771, Certified - 5/27/2016 by wtse
 QC Level: S3VEM
 Project Manager: Robert Lindfors
 Data Reviewer: Lynn Sandsor
 Data Reviewer Title: Senior Quality Assurance Chemist
 Date of Review Report: October 12, 2016
 Second Reviewer: Tracy Young
 Completion Date of Second Reviewer: October 14, 2016

Analytical Method/ Leach Method	Normal Water Samples	Field QC Water Samples
E1668C/NONE	32	1
E1699/NONE	32	1

This report assesses the analytical data quality associated with the analyses listed on the preceding cover page. This assessment has been made through a combination of automated data review (ADR) and supplemental manual review, the details of which are described below. The approach taken in the review of this data set is consistent with the requirements contained in the Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery Component Palos Verdes Shelf, Los Angeles County, California to the extent possible. Where definitive guidance is not provided, data has been evaluated in a conservative manner using professional judgment. In cases where two qualifiers are listed as an action, such as 'J/UJ', the first qualifier applies to positive results, and the second to non-detect results.

Samples were collected by Gilbane Company, Walnut Creek, CA; analyses were performed by ALS LAB GROUP, BURLINGTON, ON CANADA and were reported under sample delivery group (SDG) L1678771. Results have been evaluated electronically using electronic data deliverables (EDDs) provided by the laboratory. The laboratory data summary forms (hard copy) have been reviewed during this effort and compared to the automated review output. Findings based on the automated data submission and manual data verification processes are detailed in the ADR narrative.

The following quality control elements were supported by the electronic deliverable and were evaluated during this review effort:

- Blank
- Blank - Negative
- Field Duplicate
- LCS Recovery
- Prep Hold Time
- Surrogate
- Test Hold Time

The following quality control elements were either not applicable to the deliverable, or were not supported by the electronic deliverable, and were therefore not included in the automated data review. Those elements required for the project were reviewed manually, as narrated in the Comment section below.

- Ambient Blank
- Calibration Blank
- Calibration Blank - Negative
- Continuing Calibration Verification
- Equipment Blank
- Field Blank
- Initial Calibration Verification
- Lab Replicate RPD
- Material Blank
- MS Recovery
- MS RPD
- Negative Blank
- Trip Blank

A representative sampling or ten percent of sample and QC results were manually evaluated for compliance with project specific requirements and consistency with hard copy results. The following summaries were generated during the evaluation of this data set and are included in this report as applicable.

Batch – The analytical batch report is reviewed for completeness and compliance with project specific requirements. Incomplete or non-compliant run sequences are identified and their impact on data quality are discussed in the narrative.

QC Outlier – Results exceeding the evaluation criteria are reviewed for compliance with project requirements and a minimum of ten percent of the non-compliant QC values reported electronically are verified for consistency with hard-copy values.

Qualified Results – Qualified results are evaluated for compliance with project requirements and ten percent of qualified results are verified for consistency with the QC Outliers.

Rejected Results – All rejected results are evaluated for compliance with project requirements. The reason for rejection of the data is verified against hard copy data.

Field Duplicates – Field duplicate comparison results are evaluated for compliance with project requirements and ten percent of values reported are verified for consistency with the hard-copy data.

Data Submission Warnings – Warnings encountered during the data submission process are evaluated and their affect on data quality is discussed in the narrative below.

Analytical deficiencies, project non-compliance issues and inconsistencies with hard copy results observed during ADR evaluation process and their impact on data quality are summarized in the narrative below.

A total of 1010 results (61.21%) out of the 1650 results (sample and field QC samples) reported are qualified based on review and 0 results (0.00%) have been rejected. Trace values are not counted as qualified results in the above count. The qualified results are detailed in the following tables and discussed in the narrative below, where appropriate.

Narrative Comments

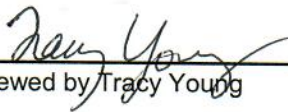
Project samples listed on COC include 33 individual samples, with results submitted in three data packages. Samples received in good condition per case narrative.

Analytical Method	Comment
E1668C	The PCB portion of the extract underwent acid/silica gel and alumina chromatography cleanup prior to concentration to 15 uL volume. A solution of the 1668C injection standards was added to the extract to provide a final volume of 20 uL for instrumental analysis for PCB via 1668C. Four PCB compounds co-eluted and were reported as combined analytes: PCB-70 and -74, PCB -87 and -119, PCB-153 and -168, and PCB-156 and -157. There were failures of the C-13 monochloro-PCB Extraction Internal Standard recoveries. However, since monochlorobiphenyls are not required for this project, there is no negative impact on the data quality based on these low recoveries. A shortened analyte list was reported for the LCS and CCVs. This was approved by Gilbane.
E1699	All samples analyzed outside of 40-day holding time. DDNU, DDMU, and 2,4'-DDE/DDD calculated using one to two internal standards. 2,4'-DDT calculated using one internal standard and corrected relative to 13C12-DDE. It was noted in the case narrative that the sample matrix was particularly problematic. The following samples were evaporated to dryness during the concentration phase of the extraction procedure. All results for Method 1699 are qualified as estimated with a potential low bias (J-/UJ) due to potential analyte loss. Part 1: BA7B-WO5-0915-1 BA7B-WO75-0915-1 BA6C-WO55-0915-1 BA7BC-WO95-0915-1 BA8B-WO75-0915-1 Part 2: BA8BC-WO50-0915-1 BA8BC-WO95-0915-1 BA8C-WO5-0915-1 BA9BC-WO50-0915-1 BA9C-WO30-0915-1 Part 3: BA9C-WO58-0915-1 W5-WO55-0915-1 W5-WO58-0915-1



Reviewed by Lynn Sandsor, Senior Quality Assurance
Chemist

October 21, 2016



Reviewed by Tracy Young

October 21, 2016

Reason Code Definitions

Code	Definition
B1	The analyte was found in an associated method blank.
C11	Continuing Calibration Verification percent recovery, percent difference, or percent drift
D5	Field duplicate precision
G4	Ion abundance ratios are outside criteria - estimated maximum possible concentration (EMPC) reported
H2	Prep Hold Time
L	Percent recovery of laboratory control sample recovery was outside established limits
S	Surrogate recovery out of criteria (upper or lower limit)
TR	Trace Level Detect
X2	Qualified due to professional judgment, see data validation narrative.

Flag Code and Definitions

Flag	Definition
J	Estimated: The analyte was positively identified, the quantitation is an estimation due to discrepancies in meeting certain analyte-specific quality control criteria.
N	The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification".
NJ	The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.
R	The data are rejected due to deficiencies in meeting QC criteria and may not be used for decision making.
U	Undetected: The analyte was analyzed for, but not detected.
UJ	The analyte was not detected; however, the result is estimated due to discrepancies in meeting certain analyte-specific quality control criteria.

Automated Data Review Detail Report for L1678771

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Batch Report

Test Method: E1668C Analysis Batch: R3327388

Location	Matrix	Field Sample ID	Lab Sample ID	Calibration Ref	Run#/Dil'n	Collection Date/Time	Extraction Date/Time	Analysis Date/Time	Prep/Leach Batch	Sample Type
LABQC	WQ	LABQC	WG2181741-2		1/1	9/30/2015 00:00	9/30/2015 00:00	12/4/2015 20:48	R3327388/	BS
LABQC	WQ	LABQC	WG2181741-1		1/1	9/30/2015 00:00	9/30/2015 00:00	12/4/2015 22:07	R3327388/	LB
BA8BC	WO	BA8BC-WO50-0915-1	L1678771-12		1/1	9/24/2015 09:20	9/30/2015 00:00	12/5/2015 03:23	R3327388/	N
BA8BC	WO	BA8BC-WO95-0915-1	L1678771-13		1/1	9/24/2015 09:29	9/30/2015 00:00	12/5/2015 04:02	R3327388/	N
BA8C	WO	BA8C-WO5-0915-1	L1678771-14		1/1	9/24/2015 10:01	9/30/2015 00:00	12/5/2015 04:42	R3327388/	N
BA8DC	WO	BA8DC-WO5-0915-1	L1678771-15		1/1	9/24/2015 12:09	9/30/2015 00:00	12/10/2015 00:17	R3327388/	N
BA8DC	WO	BA8DC-WO20-0915-1	L1678771-16		1/1	9/24/2015 12:04	9/30/2015 00:00	12/10/2015 00:57	R3327388/	N
BA8DC	WO	BA8DC-WO35-0915-1	L1678771-17		1/1	9/24/2015 11:57	9/30/2015 00:00	12/10/2015 01:36	R3327388/	N
BA8DC	WO	BA8DC-WO38-0915-1	L1678771-18		1/1	9/24/2015 11:49	9/30/2015 00:00	12/10/2015 02:16	R3327388/	N
BA9B	WO	BA9B-WO5-0915-1	L1678771-19		1/1	9/24/2015 08:31	9/30/2015 00:00	12/10/2015 02:56	R3327388/	N
BA9B	WO	BA9B-WO75-0915-1	L1678771-20		1/1	9/24/2015 08:24	9/30/2015 00:00	12/10/2015 03:35	R3327388/	N
BA9B	WO	BA9B-WO145-0915-1	L1678771-21		1/1	9/24/2015 08:10	9/30/2015 00:00	12/10/2015 04:15	R3327388/	N
BA9BC	WO	BA9BC-WO5-0915-1	L1678771-22		1/1	9/24/2015 12:29	9/30/2015 00:00	12/10/2015 04:54	R3327388/	N
BA9BC	WO	BA9BC-WO50-0915-1	L1678771-23		1/1	9/24/2015 12:47	9/30/2015 00:00	12/10/2015 05:34	R3327388/	N
BA9BC	WO	BA9BC-WO95-0915-1	L1678771-24		1/1	9/24/2015 12:37	9/30/2015 00:00	12/10/2015 06:14	R3327388/	N
BA9C	WO	BA9C-WO5-0915-1	L1678771-25		1/1	9/24/2015 12:57	9/30/2015 00:00	12/10/2015 06:53	R3327388/	N
BA9C	WO	BA9C-WO30-0915-1	L1678771-26		1/1	9/24/2015 13:18	9/30/2015 00:00	12/10/2015 07:33	R3327388/	N

Test Method: E1668C Analysis Batch: R3334596

Location	Matrix	Field Sample ID	Lab Sample ID	Calibration Ref	Run#/Dil'n	Collection Date/Time	Extraction Date/Time	Analysis Date/Time	Prep/Leach Batch	Sample Type
LABQC	WQ	LABQC	WG2182793-2		1/1	10/1/2015 00:00	10/1/2015 00:00	12/7/2015 16:19	R3334596/	BS
LABQC	WQ	LABQC	WG2182793-1		1/1	10/1/2015 00:00	10/1/2015 00:00	12/7/2015 17:38	R3334596/	LB
BA9C	WO	BA9C-WO55-0915-1	L1678771-27		1/1	9/24/2015 13:25	10/1/2015 00:00	12/7/2015 18:18	R3334596/	N
BA9C	WO	BA9C-WO58-0915-1	L1678771-28		1/1	9/24/2015 13:04	10/1/2015 00:00	12/7/2015 18:57	R3334596/	N

Automated Data Review Detail Report for L1678771

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Batch Report

Test Method: E1668C		Analysis Batch: R3334596								
Location	Matrix	Field Sample ID	Lab Sample ID	Calibration Ref	Run#/ Dil'n	Collection Date/Time	Extraction Date/Time	Analysis Date/Time	Prep/Leach Batch	Sample Type
W5	WO	W5-WO5-0915-1	L1678771-29		1/1	9/24/2015 13:50	10/1/2015 00:00	12/7/2015 19:37	R3334596/	N
W5	WO	W5-WO30-0915-1	L1678771-30		1/1	9/24/2015 14:18	10/1/2015 00:00	12/7/2015 20:16	R3334596/	N
W5	WO	W5-WO55-0915-1	L1678771-31		1/1	9/24/2015 14:11	10/1/2015 00:00	12/7/2015 20:56	R3334596/	N
W5	WO	W5-WO58-0915-1	L1678771-32		1/1	9/24/2015 13:56	10/1/2015 00:00	12/7/2015 21:35	R3334596/	N
W5	WO	W5-WO58-0915-2	L1678771-33		1/1	9/24/2015 14:03	10/1/2015 00:00	12/7/2015 22:15	R3334596/	FD

Test Method: E1668C		Analysis Batch: R3334597								
Location	Matrix	Field Sample ID	Lab Sample ID	Calibration Ref	Run#/ Dil'n	Collection Date/Time	Extraction Date/Time	Analysis Date/Time	Prep/Leach Batch	Sample Type
LABQC	WQ	LABQC	WG2180473-2		1/1	9/29/2015 00:00	9/29/2015 00:00	12/3/2015 12:24	R3334597/	BS
LABQC	WQ	LABQC	WG2180473-1		1/1	9/29/2015 00:00	9/29/2015 00:00	12/3/2015 13:43	R3334597/	LB
BA7B	WO	BA7B-WO5-0915-1	L1678771-1		1/1	9/24/2015 10:12	9/29/2015 00:00	12/3/2015 17:00	R3334597/	N
BA7B	WO	BA7B-WO75-0915-1	L1678771-2		1/1	9/24/2015 10:37	9/29/2015 00:00	12/3/2015 17:40	R3334597/	N
BA7B	WO	BA7B-WO145-0915-1	L1678771-3		1/1	9/24/2015 10:23	9/29/2015 00:00	12/3/2015 18:19	R3334597/	N
BA6C	WO	BA6C-WO55-0915-1	L1678771-4		1/1	9/24/2015 11:18	9/29/2015 00:00	12/3/2015 18:59	R3334597/	N
BA7BC	WO	BA7BC-WO5-0915-1	L1678771-5		1/1	9/24/2015 10:48	9/29/2015 00:00	12/4/2015 22:46	R3334597/	N
BA7BC	WO	BA7BC-WO50-0915-1	L1678771-6		1/1	9/24/2015 10:57	9/29/2015 00:00	12/4/2015 23:26	R3334597/	N
BA7BC	WO	BA7BC-WO95-0915-1	L1678771-7		1/1	9/24/2015 11:07	9/29/2015 00:00	12/5/2015 00:05	R3334597/	N
BA8B	WO	BA8B-WO5-0915-1	L1678771-8		1/1	9/24/2015 09:11	9/29/2015 00:00	12/5/2015 00:45	R3334597/	N
BA8B	WO	BA8B-WO75-0915-1	L1678771-9		1/1	9/24/2015 09:02	9/29/2015 00:00	12/5/2015 01:24	R3334597/	N
BA8B	WO	BA8B-WO145-0915-1	L1678771-10		1/1	9/24/2015 08:49	9/29/2015 00:00	12/5/2015 02:04	R3334597/	N
BA8BC	WO	BA8BC-WO5-0915-1	L1678771-11		1/1	9/24/2015 09:53	9/29/2015 00:00	12/5/2015 02:43	R3334597/	N

Automated Data Review Detail Report for L1678771

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Batch Report

Test Method: E1699		Analysis Batch: R3327388								
Location	Matrix	Field Sample ID	Lab Sample ID	Calibration Ref	Run#/ Dil'n	Collection Date/Time	Extraction Date/Time	Analysis Date/Time	Prep/Leach Batch	Sample Type
LABQC	WQ	LABQC	WG2181741-2		1/1	9/30/2015 00:00	9/30/2015 00:00	12/7/2015 16:04	R3327388/	BS
BA8DC	WO	BA8DC-WO20-0915-1	L1678771-16		1/1	9/24/2015 12:04	9/30/2015 00:00	12/7/2015 22:14	R3327388/	N
BA8DC	WO	BA8DC-WO35-0915-1	L1678771-17		1/1	9/24/2015 11:57	9/30/2015 00:00	12/7/2015 22:48	R3327388/	N
BA8DC	WO	BA8DC-WO38-0915-1	L1678771-18		1/1	9/24/2015 11:49	9/30/2015 00:00	12/7/2015 23:21	R3327388/	N
BA9B	WO	BA9B-WO75-0915-1	L1678771-20		1/1	9/24/2015 08:24	9/30/2015 00:00	12/8/2015 00:28	R3327388/	N
BA9B	WO	BA9B-WO145-0915-1	L1678771-21		1/1	9/24/2015 08:10	9/30/2015 00:00	12/8/2015 02:43	R3327388/	N
BA9BC	WO	BA9BC-WO5-0915-1	L1678771-22		1/1	9/24/2015 12:29	9/30/2015 00:00	12/8/2015 03:17	R3327388/	N
BA9BC	WO	BA9BC-WO50-0915-1	L1678771-23		1/1	9/24/2015 12:47	9/30/2015 00:00	12/8/2015 03:50	R3327388/	N
BA9BC	WO	BA9BC-WO95-0915-1	L1678771-24		1/1	9/24/2015 12:37	9/30/2015 00:00	12/8/2015 04:24	R3327388/	N
BA9C	WO	BA9C-WO5-0915-1	L1678771-25		1/1	9/24/2015 12:57	9/30/2015 00:00	12/8/2015 04:57	R3327388/	N
BA9C	WO	BA9C-WO30-0915-1	L1678771-26		1/1	9/24/2015 13:18	9/30/2015 00:00	12/8/2015 05:31	R3327388/	N
LABQC	WQ	LABQC	WG2181741-1		1/1	9/30/2015 00:00	9/30/2015 00:00	12/8/2015 09:01	R3327388/	LB
BA9B	WO	BA9B-WO5-0915-1	L1678771-19		1/1	9/24/2015 08:31	9/30/2015 00:00	12/8/2015 10:41	R3327388/	N
BA8BC	WO	BA8BC-WO50-0915-1	L1678771-12		1/1	9/24/2015 09:20	9/30/2015 00:00	12/8/2015 11:11	R3327388/	N
BA8BC	WO	BA8BC-WO95-0915-1	L1678771-13		1/1	9/24/2015 09:29	9/30/2015 00:00	12/8/2015 11:45	R3327388/	N
BA8C	WO	BA8C-WO5-0915-1	L1678771-14		1/1	9/24/2015 10:01	9/30/2015 00:00	12/8/2015 12:19	R3327388/	N
BA8DC	WO	BA8DC-WO5-0915-1	L1678771-15		1/1	9/24/2015 12:09	9/30/2015 00:00	12/8/2015 13:44	R3327388/	N

Test Method: E1699		Analysis Batch: R3334596								
Location	Matrix	Field Sample ID	Lab Sample ID	Calibration Ref	Run#/ Dil'n	Collection Date/Time	Extraction Date/Time	Analysis Date/Time	Prep/Leach Batch	Sample Type
LABQC	WQ	LABQC	WG2182793-2		1/1	10/1/2015 00:00	10/1/2015 00:00	12/7/2015 22:50	R3334596/	BS
LABQC	WQ	LABQC	WG2182793-1		1/1	10/1/2015 00:00	10/1/2015 00:00	12/8/2015 00:27	R3334596/	LB
BA9C	WO	BA9C-WO55-0915-1	L1678771-27		1/1	9/24/2015 13:25	10/1/2015 00:00	12/8/2015 01:32	R3334596/	N
BA9C	WO	BA9C-WO58-0915-1	L1678771-28		1/1	9/24/2015 13:04	10/1/2015 00:00	12/8/2015 02:04	R3334596/	N
W5	WO	W5-WO5-0915-1	L1678771-29		1/1	9/24/2015 13:50	10/1/2015 00:00	12/8/2015 02:37	R3334596/	N

Automated Data Review Detail Report for L1678771

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Batch Report

Test Method: E1699		Analysis Batch: R3334596								
Location	Matrix	Field Sample ID	Lab Sample ID	Calibration Ref	Run#/Dil'n	Collection Date/Time	Extraction Date/Time	Analysis Date/Time	Prep/Leach Batch	Sample Type
W5	WO	W5-WO30-0915-1	L1678771-30		1/1	9/24/2015 14:18	10/1/2015 00:00	12/8/2015 05:32	R3334596/	N
W5	WO	W5-WO55-0915-1	L1678771-31		1/1	9/24/2015 14:11	10/1/2015 00:00	12/8/2015 06:04	R3334596/	N
W5	WO	W5-WO58-0915-1	L1678771-32		1/1	9/24/2015 13:56	10/1/2015 00:00	12/8/2015 06:36	R3334596/	N
W5	WO	W5-WO58-0915-2	L1678771-33		1/1	9/24/2015 14:03	10/1/2015 00:00	12/8/2015 07:09	R3334596/	FD

Test Method: E1699		Analysis Batch: R3334597								
Location	Matrix	Field Sample ID	Lab Sample ID	Calibration Ref	Run#/Dil'n	Collection Date/Time	Extraction Date/Time	Analysis Date/Time	Prep/Leach Batch	Sample Type
LABQC	WQ	LABQC	WG2180473-2		1/1	9/29/2015 00:00	9/29/2015 00:00	12/6/2015 16:58	R3334597/	BS
LABQC	WQ	LABQC	WG2180473-1		1/1	9/29/2015 00:00	9/29/2015 00:00	12/6/2015 18:35	R3334597/	LB
BA7B	WO	BA7B-WO5-0915-1	L1678771-1		1/1	9/24/2015 10:12	9/29/2015 00:00	12/6/2015 23:39	R3334597/	N
BA7B	WO	BA7B-WO75-0915-1	L1678771-2		1/1	9/24/2015 10:37	9/29/2015 00:00	12/7/2015 00:11	R3334597/	N
BA7B	WO	BA7B-WO145-0915-1	L1678771-3		1/1	9/24/2015 10:23	9/29/2015 00:00	12/7/2015 00:43	R3334597/	N
BA6C	WO	BA6C-WO55-0915-1	L1678771-4		1/1	9/24/2015 11:18	9/29/2015 00:00	12/7/2015 01:16	R3334597/	N
BA7BC	WO	BA7BC-WO5-0915-1	L1678771-5		1/1	9/24/2015 10:48	9/29/2015 00:00	12/7/2015 01:48	R3334597/	N
BA7BC	WO	BA7BC-WO50-0915-1	L1678771-6		1/1	9/24/2015 10:57	9/29/2015 00:00	12/7/2015 04:43	R3334597/	N
BA7BC	WO	BA7BC-WO95-0915-1	L1678771-7		1/1	9/24/2015 11:07	9/29/2015 00:00	12/7/2015 05:15	R3334597/	N
BA8B	WO	BA8B-WO5-0915-1	L1678771-8		1/1	9/24/2015 09:11	9/29/2015 00:00	12/7/2015 05:48	R3334597/	N
BA8B	WO	BA8B-WO75-0915-1	L1678771-9		1/1	9/24/2015 09:02	9/29/2015 00:00	12/7/2015 06:20	R3334597/	N
BA8B	WO	BA8B-WO145-0915-1	L1678771-10		1/1	9/24/2015 08:49	9/29/2015 00:00	12/7/2015 06:52	R3334597/	N
BA8BC	WO	BA8BC-WO5-0915-1	L1678771-11		1/1	9/24/2015 09:53	9/29/2015 00:00	12/7/2015 07:25	R3334597/	N

Automated Data Review Detail Report for L1678771

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery
Component Palos Verdes Shelf, Los Angeles County, California

Field Batch Report

--No Records Found--

Automated Data Review Detail Report for L1678771

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery Component

Palos Verdes Shelf, Los Angeles County, California

QC Outlier Report

Test Method: E1668C		Extraction Method: METHOD		Leach Method: NONE							
QC Element	Sample ID/ Lab Sample ID	Run#/ Dil'n	Analyte	Result (Units)	Qualifier	Warning Limits	Control Limits	Reason	Comment	Rule	Action Level
Blank	WG2180473-1 (LB) / WG2180473-1	1 / 1.00	2,2',3,3',4,4',5- HEPTACHLOROBIPHENYL	0.380 (PG/L)	*U/None	< 0.22	< 16	B1		1	0.380
Blank	WG2180473-1 (LB) / WG2180473-1	1 / 1.00	2,2',3,3',4,4'-HEXACHLOROBIPHENYL	0.260 (PG/L)	*U/None	< 0.2	< 16	B1		1	0.260
Blank	WG2180473-1 (LB) / WG2180473-1	1 / 1.00	2,2',3,4,4',5,5'- HEPTACHLOROBIPHENYL	0.530 (PG/L)	*U/None	< 0.18	< 16	B1		1	0.530
Blank	WG2180473-1 (LB) / WG2180473-1	1 / 1.00	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	1.57 (PG/L)	*U/None	< 0.21	< 16	B1		1	1.57
Blank	WG2180473-1 (LB) / WG2180473-1	1 / 1.00	2,2',3,4',5,5',6- HEPTACHLOROBIPHENYL	0.240 (PG/L)	*U/None	< 0.18	< 16	B1		1	0.240
Blank	WG2180473-1 (LB) / WG2180473-1	1 / 1.00	2,2',3,4',5',6-HEXACHLOROBIPHENYL	1.23 (PG/L)	*U/None	< 0.21	< 16	B1		1	1.23
Blank	WG2180473-1 (LB) / WG2180473-1	1 / 1.00	2,2',3,5'-TETRACHLOROBIPHENYL	5.30 (PG/L)	*U/None	< 0.37	< 16	B1		1	5.30
Blank	WG2180473-1 (LB) / WG2180473-1	1 / 1.00	2,2',4,4',5-PENTACHLOROBIPHENYL	0.720 (PG/L)	*U/None	< 0.28	< 16	B1		1	0.720
Blank	WG2180473-1 (LB) / WG2180473-1	1 / 1.00	2,2',4,5,5'-PENTACHLOROBIPHENYL	1.81 (PG/L)	*U/None	< 0.26	< 16	B1		1	1.81
Blank	WG2180473-1 (LB) / WG2180473-1	1 / 1.00	2,2',4,5'-TETRACHLOROBIPHENYL	1.34 (PG/L)	*U/None	< 0.35	< 16	B1		1	1.34
Blank	WG2180473-1 (LB) / WG2180473-1	1 / 1.00	2,2',5,5'-TETRACHLOROBIPHENYL	3.61 (PG/L)	*U/None	< 0.45	< 16	B1		1	3.61
Blank	WG2180473-1 (LB) / WG2180473-1	1 / 1.00	2,2',5-TRICHLOROBIPHENYL	3.60 (PG/L)	*U/None	< 0.42	< 16	B1		1	3.60
Blank	WG2180473-1 (LB) / WG2180473-1	1 / 1.00	2,3,3',4,4',5- Hexachlorobiphenyl/2,3,3',4,4',5'- Hexachlorobiphenyl	0.380 (PG/L)	*U/None	< 0.22	< 32	B1		1	0.380
Blank	WG2180473-1 (LB) / WG2180473-1	1 / 1.00	2,3,3',4,4'-PENTACHLOROBIPHENYL	0.590 (PG/L)	*U/None	< 0.24	< 16	B1		1	0.590
Blank	WG2180473-1 (LB) / WG2180473-1	1 / 1.00	2,3,3',4',6-PENTACHLOROBIPHENYL	2.50 (PG/L)	*U/None	< 0.22	< 16	B1		1	2.50
Blank	WG2180473-1 (LB) / WG2180473-1	1 / 1.00	2,3',4,4',5-PENTACHLOROBIPHENYL	1.34 (PG/L)	*U/None	< 0.23	< 16	B1		1	1.34
Blank	WG2180473-1 (LB) / WG2180473-1	1 / 1.00	2,3',4,4'-TETRACHLOROBIPHENYL	1.28 (PG/L)	*U/None	< 0.29	< 16	B1		1	1.28
Blank	WG2180473-1 (LB) / WG2180473-1	1 / 1.00	2,4,4'-TRICHLOROBIPHENYL	4.57 (PG/L)	*U/None	< 0.38	< 16	B1		1	4.57
Blank	WG2180473-1 (LB) / WG2180473-1	1 / 1.00	2,4',5-TRICHLOROBIPHENYL	3.64 (PG/L)	*U/None	< 0.38	< 16	B1		1	3.64
Blank	WG2180473-1 (LB) / WG2180473-1	1 / 1.00	3,4,4'-TRICHLOROBIPHENYL	1.56 (PG/L)	*U/None	< 0.46	< 16	B1		1	1.56
Blank	WG2181741-1 (LB) / WG2181741-1	1 / 1.00	2,2',3,3',4,4'-HEXACHLOROBIPHENYL	0.250 (PG/L)	*U/None	< 0.2	< 40	B1		1	0.250
Blank	WG2181741-1 (LB) / WG2181741-1	1 / 1.00	2,2',3,4,4',5,5'- HEPTACHLOROBIPHENYL	0.720 (PG/L)	*U/None	< 0.2	< 40	B1		1	0.720
Blank	WG2181741-1 (LB) / WG2181741-1	1 / 1.00	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	1.59 (PG/L)	*U/None	< 0.23	< 40	B1		1	1.59

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EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery Component

Palos Verdes Shelf, Los Angeles County, California

Blank	WG2181741-1 (LB) / WG2181741-1	1 / 1.00	2,2',3,4',5,5',6- HEPTACHLOROBIPHENYL	0.320 (PG/L)	*U/None	< 0.2	< 40	B1	1	0.320
Blank	WG2181741-1 (LB) / WG2181741-1	1 / 1.00	2,2',3,4',5',6-HEXACHLOROBIPHENYL	1.36 (PG/L)	*U/None	< 0.23	< 40	B1	1	1.36
Blank	WG2181741-1 (LB) / WG2181741-1	1 / 1.00	2,2',3,5'-TETRACHLOROBIPHENYL	4.20 (PG/L)	*U/None	< 0.4	< 40	B1	1	4.20
Blank	WG2181741-1 (LB) / WG2181741-1	1 / 1.00	2,2',4,5,5'-PENTACHLOROBIPHENYL	1.58 (PG/L)	*U/None	< 0.48	< 40	B1	1	1.58
Blank	WG2181741-1 (LB) / WG2181741-1	1 / 1.00	2,2',4,5'-TETRACHLOROBIPHENYL	0.920 (PG/L)	*U/None	< 0.38	< 40	B1	1	0.920
Blank	WG2181741-1 (LB) / WG2181741-1	1 / 1.00	2,2',5,5'-TETRACHLOROBIPHENYL	2.65 (PG/L)	*U/None	< 0.48	< 40	B1	1	2.65
Blank	WG2181741-1 (LB) / WG2181741-1	1 / 1.00	2,2',5-TRICHLOROBIPHENYL	2.00 (PG/L)	*U/None	< 0.6	< 40	B1	1	2.00
Blank	WG2181741-1 (LB) / WG2181741-1	1 / 1.00	2,3,3',4',6-PENTACHLOROBIPHENYL	1.20 (PG/L)	*U/None	< 0.4	< 40	B1	1	1.20
Blank	WG2181741-1 (LB) / WG2181741-1	1 / 1.00	2,3',4,4',5-PENTACHLOROBIPHENYL	1.04 (PG/L)	*U/None	< 0.4	< 40	B1	1	1.04
Blank	WG2181741-1 (LB) / WG2181741-1	1 / 1.00	2,3',4,4'-TETRACHLOROBIPHENYL	1.12 (PG/L)	*U/None	< 0.36	< 40	B1	1	1.12
Blank	WG2181741-1 (LB) / WG2181741-1	1 / 1.00	2,4,4'-TRICHLOROBIPHENYL	2.60 (PG/L)	*U/None	< 0.52	< 40	B1	1	2.60
Blank	WG2181741-1 (LB) / WG2181741-1	1 / 1.00	2,4',5-TRICHLOROBIPHENYL	2.57 (PG/L)	*U/None	< 0.52	< 40	B1	1	2.57
Blank	WG2182793-1 (LB) / WG2182793-1	1 / 1.00	2,2',3,4,4',5,5'- HEPTACHLOROBIPHENYL	1.09 (PG/L)	*U/None	< 0.49	< 16	B1	1	1.09
Blank	WG2182793-1 (LB) / WG2182793-1	1 / 1.00	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	1.47 (PG/L)	*U/None	< 0.51	< 16	B1	1	1.47
Blank	WG2182793-1 (LB) / WG2182793-1	1 / 1.00	2,2',3,4',5',6-HEXACHLOROBIPHENYL	1.24 (PG/L)	*U/None	< 0.48	< 16	B1	1	1.24
Blank	WG2182793-1 (LB) / WG2182793-1	1 / 1.00	2,2',3,5'-TETRACHLOROBIPHENYL	4.00 (PG/L)	*U/None	< 0.54	< 16	B1	1	4.00
Blank	WG2182793-1 (LB) / WG2182793-1	1 / 1.00	2,2',4,5'-TETRACHLOROBIPHENYL	0.770 (PG/L)	*U/None	< 0.49	< 16	B1	1	0.770
Blank	WG2182793-1 (LB) / WG2182793-1	1 / 1.00	2,2',5,5'-TETRACHLOROBIPHENYL	2.79 (PG/L)	*U/None	< 0.59	< 16	B1	1	2.79
Blank	WG2182793-1 (LB) / WG2182793-1	1 / 1.00	2,2',5-TRICHLOROBIPHENYL	2.76 (PG/L)	*U/None	< 0.82	< 16	B1	1	2.76
Blank	WG2182793-1 (LB) / WG2182793-1	1 / 1.00	2,3,3',4,4',5- Hexachlorobiphenyl/2,3,3',4,4',5'- Hexachlorobiphenyl	0.910 (PG/L)	*U/None	< 0.5	< 32	B1	1	0.910
Blank	WG2182793-1 (LB) / WG2182793-1	1 / 1.00	2,3,3',4',6-PENTACHLOROBIPHENYL	2.90 (PG/L)	*U/None	< 0.57	< 16	B1	1	2.90
Blank	WG2182793-1 (LB) / WG2182793-1	1 / 1.00	2,3',4,4',5-PENTACHLOROBIPHENYL	1.20 (PG/L)	*U/None	< 0.57	< 16	B1	1	1.20
Blank	WG2182793-1 (LB) / WG2182793-1	1 / 1.00	2,3',4,4'-TETRACHLOROBIPHENYL	1.27 (PG/L)	*U/None	< 0.58	< 16	B1	1	1.27
Blank	WG2182793-1 (LB) / WG2182793-1	1 / 1.00	2,4,4'-TRICHLOROBIPHENYL	2.60 (PG/L)	*U/None	< 0.84	< 16	B1	1	2.60
Blank	WG2182793-1 (LB) / WG2182793-1	1 / 1.00	2,4',5-TRICHLOROBIPHENYL	2.30 (PG/L)	*U/None	< 0.83	< 16	B1	1	2.30

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EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery Component

Palos Verdes Shelf, Los Angeles County, California

Blank	WG2182793-1 (LB) / WG2182793-1	1 / 1.00	3,3',4,4'-TETRACHLOROBIPHENYL	0.780 (PG/L)	*U/None	< 0.57	< 16	B1	1	0.780
Blank	WG2182793-1 (LB) / WG2182793-1	1 / 1.00	3,4,4'-TRICHLOROBIPHENYL	1.04 (PG/L)	*U/None	< 0.95	< 16	B1	1	1.04
Field Duplicate	L1678771-33 (N) / L1678771-33	1 / 1.00	2,2',3,3',4,4',5- HEPTACHLOROBIPHENYL	47.6 (RPD)	J/UJ	< 40	< 80	D5		
Field Duplicate	L1678771-33 (N) / L1678771-33	1 / 1.00	2,2',4,4',5-PENTACHLOROBIPHENYL	74.2 (RPD)	J/UJ	< 40	< 80	D5		
Field Duplicate	L1678771-33 (N) / L1678771-33	1 / 1.00	2,2',4,5,5'-PENTACHLOROBIPHENYL	43.1 (RPD)	J/UJ	< 40	< 80	D5		
Field Duplicate	L1678771-33 (N) / L1678771-33	1 / 1.00	2,3,3',4,4',5- Hexachlorobiphenyl/2,3,3',4,4',5'- Hexachlorobiphenyl	200 (RPD)	J/UJ	< 40	< 80	D5		
Field Duplicate	L1678771-33 (N) / L1678771-33	1 / 1.00	3,3',4,4'-TETRACHLOROBIPHENYL	200 (RPD)	J/UJ	< 40	< 80	D5		
Field Duplicate	L1678771-33 (N) / L1678771-33	1 / 1.00	3,4,4'-TRICHLOROBIPHENYL	200 (RPD)	J/UJ	< 40	< 80	D5		
Prep Hold Time	BA6C-WO55-0915-1 (N) / L1678771-4	1 / 1.00	All in Run	65.8 (Days)	J/UJ	< 40	< 80	H2	Analyzed within one-year holding time. Qualifier Removed.	
Prep Hold Time	BA7BC-WO50-0915-1 (N) / L1678771-6	1 / 1.00	All in Run	67.0 (Days)	J/UJ	< 40	< 80	H2	Analyzed within one-year holding time. Qualifier Removed.	
Prep Hold Time	BA7BC-WO5-0915-1 (N) / L1678771-5	1 / 1.00	All in Run	66.9 (Days)	J/UJ	< 40	< 80	H2	Analyzed within one-year holding time. Qualifier Removed.	
Prep Hold Time	BA7BC-WO95-0915-1 (N) / L1678771-7	1 / 1.00	All in Run	67.0 (Days)	J/UJ	< 40	< 80	H2	Analyzed within one-year holding time. Qualifier Removed.	
Prep Hold Time	BA7B-WO145-0915-1 (N) / L1678771-3	1 / 1.00	All in Run	65.8 (Days)	J/UJ	< 40	< 80	H2	Analyzed within one-year holding time. Qualifier Removed.	
Prep Hold Time	BA7B-WO5-0915-1 (N) / L1678771-1	1 / 1.00	All in Run	65.7 (Days)	J/UJ	< 40	< 80	H2	Analyzed within one-year holding time. Qualifier Removed.	
Prep Hold Time	BA7B-WO75-0915-1 (N) / L1678771-2	1 / 1.00	All in Run	65.7 (Days)	J/UJ	< 40	< 80	H2	Analyzed within one-year holding time. Qualifier Removed.	
Prep Hold Time	BA8BC-WO50-0915-1 (N) / L1678771-12	1 / 1.00	All in Run	66.1 (Days)	J/UJ	< 40	< 80	H2	Analyzed within one-year holding time. Qualifier Removed.	
Prep Hold Time	BA8BC-WO5-0915-1 (N) / L1678771-11	1 / 1.00	All in Run	67.1 (Days)	J/UJ	< 40	< 80	H2	Analyzed within one-year holding time. Qualifier Removed.	
Prep Hold Time	BA8BC-WO95-0915-1 (N) / L1678771-13	1 / 1.00	All in Run	66.2 (Days)	J/UJ	< 40	< 80	H2	Analyzed within one-year holding time. Qualifier Removed.	
Prep Hold Time	BA8B-WO145-0915-1 (N) / L1678771-10	1 / 1.00	All in Run	67.1 (Days)	J/UJ	< 40	< 80	H2	Analyzed within one-year holding time. Qualifier Removed.	

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EPA, Region 9

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Palos Verdes Shelf, Los Angeles County, California

Prep Hold Time	BA8B-WO5-0915-1 (N) / L1678771-8	1 / 1.00	All in Run	67.0 (Days)	J/UJ	< 40	< 80	H2	Analyzed within one-year holding time. Qualifier Removed.
Prep Hold Time	BA8B-WO75-0915-1 (N) / L1678771-9	1 / 1.00	All in Run	67.1 (Days)	J/UJ	< 40	< 80	H2	Analyzed within one-year holding time. Qualifier Removed.
Prep Hold Time	BA8C-WO5-0915-1 (N) / L1678771-14	1 / 1.00	All in Run	66.2 (Days)	J/UJ	< 40	< 80	H2	Analyzed within one-year holding time. Qualifier Removed.
Prep Hold Time	BA8DC-WO20-0915-1 (N) / L1678771-16	1 / 1.00	All in Run	71.0 (Days)	J/UJ	< 40	< 80	H2	Analyzed within one-year holding time. Qualifier Removed.
Prep Hold Time	BA8DC-WO35-0915-1 (N) / L1678771-17	1 / 1.00	All in Run	71.1 (Days)	J/UJ	< 40	< 80	H2	Analyzed within one-year holding time. Qualifier Removed.
Prep Hold Time	BA8DC-WO38-0915-1 (N) / L1678771-18	1 / 1.00	All in Run	71.1 (Days)	J/UJ	< 40	< 80	H2	Analyzed within one-year holding time. Qualifier Removed.
Prep Hold Time	BA8DC-WO5-0915-1 (N) / L1678771-15	1 / 1.00	All in Run	71.0 (Days)	J/UJ	< 40	< 80	H2	Analyzed within one-year holding time. Qualifier Removed.
Prep Hold Time	BA9BC-WO50-0915-1 (N) / L1678771-23	1 / 1.00	All in Run	71.2 (Days)	J/UJ	< 40	< 80	H2	Analyzed within one-year holding time. Qualifier Removed.
Prep Hold Time	BA9BC-WO5-0915-1 (N) / L1678771-22	1 / 1.00	All in Run	71.2 (Days)	J/UJ	< 40	< 80	H2	Analyzed within one-year holding time. Qualifier Removed.
Prep Hold Time	BA9BC-WO95-0915-1 (N) / L1678771-24	1 / 1.00	All in Run	71.3 (Days)	J/UJ	< 40	< 80	H2	Analyzed within one-year holding time. Qualifier Removed.
Prep Hold Time	BA9B-WO145-0915-1 (N) / L1678771-21	1 / 1.00	All in Run	71.2 (Days)	J/UJ	< 40	< 80	H2	Analyzed within one-year holding time. Qualifier Removed.
Prep Hold Time	BA9B-WO5-0915-1 (N) / L1678771-19	1 / 1.00	All in Run	71.1 (Days)	J/UJ	< 40	< 80	H2	Analyzed within one-year holding time. Qualifier Removed.
Prep Hold Time	BA9B-WO75-0915-1 (N) / L1678771-20	1 / 1.00	All in Run	71.2 (Days)	J/UJ	< 40	< 80	H2	Analyzed within one-year holding time. Qualifier Removed.
Prep Hold Time	BA9C-WO30-0915-1 (N) / L1678771-26	1 / 1.00	All in Run	71.3 (Days)	J/UJ	< 40	< 80	H2	Analyzed within one-year holding time. Qualifier Removed.
Prep Hold Time	BA9C-WO5-0915-1 (N) / L1678771-25	1 / 1.00	All in Run	71.3 (Days)	J/UJ	< 40	< 80	H2	Analyzed within one-year holding time. Qualifier Removed.
Prep Hold Time	BA9C-WO55-0915-1 (N) / L1678771-27	1 / 1.00	All in Run	67.8 (Days)	J/UJ	< 40	< 80	H2	Analyzed within one-year holding time. Qualifier Removed.

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Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery Component

Palos Verdes Shelf, Los Angeles County, California

Prep Hold Time	BA9C-WO58-0915-1 (N) / L1678771-28	1 / 1.00	All in Run	67.8 (Days)	J/UJ	< 40	< 80	H2	Analyzed within one-year holding time. Qualifier Removed.
Prep Hold Time	W5-WO30-0915-1 (N) / L1678771-30	1 / 1.00	All in Run	67.8 (Days)	J/UJ	< 40	< 80	H2	Analyzed within one-year holding time. Qualifier Removed.
Prep Hold Time	W5-WO5-0915-1 (N) / L1678771-29	1 / 1.00	All in Run	67.8 (Days)	J/UJ	< 40	< 80	H2	Analyzed within one-year holding time. Qualifier Removed.
Prep Hold Time	W5-WO55-0915-1 (N) / L1678771-31	1 / 1.00	All in Run	67.9 (Days)	J/UJ	< 40	< 80	H2	Analyzed within one-year holding time. Qualifier Removed.
Prep Hold Time	W5-WO58-0915-1 (N) / L1678771-32	1 / 1.00	All in Run	67.9 (Days)	J/UJ	< 40	< 80	H2	Analyzed within one-year holding time. Qualifier Removed.
Prep Hold Time	W5-WO58-0915-2 (FD) / L1678771-33	1 / 1.00	All in Run	67.9 (Days)	J/UJ	< 40	< 80	H2	Analyzed within one-year holding time. Qualifier Removed.
Surrogate	BA7B-WO75-0915-1 (N) / L1678771-2	1 / 1.00	2,2'-DICHLOROBIPHENYL-C13	1.00 (PERCENT)	J/UJ	5 - 145	< 155	S	Not associated with project analytes. Qualifier Removed.
Surrogate	BA7B-WO75-0915-1 (N) / L1678771-2	1 / 1.00	2-MONOCHLOROBIPHENYL-C13	0.00 (PERCENT)	J/R	10 - 145	5 - 155	S	Early eluters not reported. Qualifier Removed.
Surrogate	BA7B-WO75-0915-1 (N) / L1678771-2	1 / 1.00	4-Chlorobophenyl-C13	0.00 (PERCENT)	J/R	10 - 145	5 - 155	S	Early eluters not reported. Qualifier Removed.
Surrogate	BA8BC-WO95-0915-1 (N) / L1678771-13	1 / 1.00	2-MONOCHLOROBIPHENYL-C13	2.00 (PERCENT)	J/R	10 - 145	5 - 155	S	Early eluters not reported. Qualifier Removed.
Surrogate	BA8BC-WO95-0915-1 (N) / L1678771-13	1 / 1.00	4-Chlorobophenyl-C13	9.00 (PERCENT)	J/UJ	10 - 145	5 - 155	S	Early eluters not reported. Qualifier Removed.
Surrogate	BA8B-WO75-0915-1 (N) / L1678771-9	1 / 1.00	2-MONOCHLOROBIPHENYL-C13	1.00 (PERCENT)	J/R	10 - 145	5 - 155	S	Early eluters not reported. Qualifier Removed.
Surrogate	BA8B-WO75-0915-1 (N) / L1678771-9	1 / 1.00	4-Chlorobophenyl-C13	6.00 (PERCENT)	J/UJ	10 - 145	5 - 155	S	Early eluters not reported. Qualifier Removed.
Surrogate	BA8C-WO5-0915-1 (N) / L1678771-14	1 / 1.00	2-MONOCHLOROBIPHENYL-C13	3.00 (PERCENT)	J/R	10 - 145	5 - 155	S	Early eluters not reported. Qualifier Removed.
Surrogate	BA9BC-WO50-0915-1 (N) / L1678771-23	1 / 1.00	2-MONOCHLOROBIPHENYL-C13	0.00 (PERCENT)	J/R	10 - 145	5 - 155	S	Early eluters not reported. Qualifier Removed.
Surrogate	BA9BC-WO50-0915-1 (N) / L1678771-23	1 / 1.00	4-Chlorobophenyl-C13	3.00 (PERCENT)	J/R	10 - 145	5 - 155	S	Early eluters not reported. Qualifier Removed.
Surrogate	BA9C-WO30-0915-1 (N) / L1678771-26	1 / 1.00	2-MONOCHLOROBIPHENYL-C13	6.00 (PERCENT)	J/UJ	10 - 145	5 - 155	S	Early eluters not reported. Qualifier Removed.
Surrogate	W5-WO30-0915-1 (N) / L1678771-30	1 / 1.00	Decachlorobiphenyl-C13	8.00 (PERCENT)	J/UJ	10 - 145	5 - 155	S	Only 1 SS out. Qualifier Removed.

Automated Data Review Detail Report for L1678771

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery Component

Palos Verdes Shelf, Los Angeles County, California

Test Method: E1699		Extraction Method: METHOD		Leach Method: NONE							
QC Element	Sample ID/ Lab Sample ID	Run#/ Dil'n	Analyte	Result (Units)	Qualifier	Warning Limits	Control Limits	Reason	Comment	Rule	Action Level
Blank	WG2181741-1 (LB) / WG2181741-1	1 / 1.00	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.000230 (NG/L)	*U/None	< 3.9e- 005	< 0.024	B1		1	0.000230
Blank	WG2181741-1 (LB) / WG2181741-1	1 / 1.00	o,p'-DDT	0.00470 (NG/L)	*U/None	< 0.0011	< 0.024	B1		1	0.00470
Blank	WG2181741-1 (LB) / WG2181741-1	1 / 1.00	p,p'-DDD	0.00279 (NG/L)	*U/None	< 0.00065	< 0.024	B1		1	0.00279
Blank	WG2181741-1 (LB) / WG2181741-1	1 / 1.00	p,p'-DDE	0.00978 (NG/L)	*U/None	< 5e-005	< 0.024	B1		1	0.00978
Blank	WG2181741-1 (LB) / WG2181741-1	1 / 1.00	p,p'-DDT	0.00590 (NG/L)	*U/None	< 0.0012	< 0.024	B1		1	0.00590
Blank	WG2182793-1 (LB) / WG2182793-1	1 / 1.00	p,p'-DDE	0.00860 (NG/L)	*U/None	< 0.0027	< 0.024	B1		1	0.00860
Field Duplicate	L1678771-33 (N) / L1678771-33	1 / 1.00	o,p'-DDE	200 (RPD)	J/None	< 30	< 60	D5			
Field Duplicate	L1678771-33 (N) / L1678771-33	1 / 1.00	p,p'-DDE	42.0 (RPD)	J/None	< 30	< 60	D5			
LCS Recovery	WG2180473-2 (BS) / WG2180473-2	1 / 1.00	o,p'-DDD	159 (Percent)	J/None	50 - 120	10 - 130	L			
LCS Recovery	WG2181741-2 (BS) / WG2181741-2	1 / 1.00	p,p'-DDT	128 (Percent)	J/None	50 - 120	10 - 130	L			
Prep Hold Time	BA6C-WO55-0915-1 (N) / L1678771-4	1 / 1.00	All in Run	69.1 (Days)	J/UJ	< 40	< 80	H2			
Prep Hold Time	BA7BC-WO50-0915-1 (N) / L1678771-6	1 / 1.00	All in Run	69.2 (Days)	J/UJ	< 40	< 80	H2			
Prep Hold Time	BA7BC-WO5-0915-1 (N) / L1678771-5	1 / 1.00	All in Run	69.1 (Days)	J/UJ	< 40	< 80	H2			
Prep Hold Time	BA7BC-WO95-0915-1 (N) / L1678771-7	1 / 1.00	All in Run	69.2 (Days)	J/UJ	< 40	< 80	H2			
Prep Hold Time	BA7B-WO145-0915-1 (N) / L1678771-3	1 / 1.00	All in Run	69.0 (Days)	J/UJ	< 40	< 80	H2			
Prep Hold Time	BA7B-WO5-0915-1 (N) / L1678771-1	1 / 1.00	All in Run	69.0 (Days)	J/UJ	< 40	< 80	H2			
Prep Hold Time	BA7B-WO75-0915-1 (N) / L1678771-2	1 / 1.00	All in Run	69.0 (Days)	J/UJ	< 40	< 80	H2			
Prep Hold Time	BA8BC-WO50-0915-1 (N) / L1678771-12	1 / 1.00	All in Run	69.5 (Days)	J/UJ	< 40	< 80	H2			
Prep Hold Time	BA8BC-WO5-0915-1 (N) / L1678771-11	1 / 1.00	All in Run	69.3 (Days)	J/UJ	< 40	< 80	H2			

Automated Data Review Detail Report for L1678771

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery Component

Palos Verdes Shelf, Los Angeles County, California

Prep Hold Time	BA8BC-WO95-0915-1 (N) / L1678771-13	1 / 1.00	All in Run	69.5 (Days)	J/UJ	< 40	< 80	H2
Prep Hold Time	BA8B-WO145-0915-1 (N) / L1678771-10	1 / 1.00	All in Run	69.3 (Days)	J/UJ	< 40	< 80	H2
Prep Hold Time	BA8B-WO5-0915-1 (N) / L1678771-8	1 / 1.00	All in Run	69.2 (Days)	J/UJ	< 40	< 80	H2
Prep Hold Time	BA8B-WO75-0915-1 (N) / L1678771-9	1 / 1.00	All in Run	69.3 (Days)	J/UJ	< 40	< 80	H2
Prep Hold Time	BA8C-WO5-0915-1 (N) / L1678771-14	1 / 1.00	All in Run	69.5 (Days)	J/UJ	< 40	< 80	H2
Prep Hold Time	BA8DC-WO20-0915-1 (N) / L1678771-16	1 / 1.00	All in Run	68.9 (Days)	J/UJ	< 40	< 80	H2
Prep Hold Time	BA8DC-WO35-0915-1 (N) / L1678771-17	1 / 1.00	All in Run	68.9 (Days)	J/UJ	< 40	< 80	H2
Prep Hold Time	BA8DC-WO38-0915-1 (N) / L1678771-18	1 / 1.00	All in Run	69.0 (Days)	J/UJ	< 40	< 80	H2
Prep Hold Time	BA8DC-WO5-0915-1 (N) / L1678771-15	1 / 1.00	All in Run	69.6 (Days)	J/UJ	< 40	< 80	H2
Prep Hold Time	BA9BC-WO50-0915-1 (N) / L1678771-23	1 / 1.00	All in Run	69.2 (Days)	J/UJ	< 40	< 80	H2
Prep Hold Time	BA9BC-WO5-0915-1 (N) / L1678771-22	1 / 1.00	All in Run	69.1 (Days)	J/UJ	< 40	< 80	H2
Prep Hold Time	BA9BC-WO95-0915-1 (N) / L1678771-24	1 / 1.00	All in Run	69.2 (Days)	J/UJ	< 40	< 80	H2
Prep Hold Time	BA9B-WO145-0915-1 (N) / L1678771-21	1 / 1.00	All in Run	69.1 (Days)	J/UJ	< 40	< 80	H2
Prep Hold Time	BA9B-WO5-0915-1 (N) / L1678771-19	1 / 1.00	All in Run	69.4 (Days)	J/UJ	< 40	< 80	H2
Prep Hold Time	BA9B-WO75-0915-1 (N) / L1678771-20	1 / 1.00	All in Run	69.0 (Days)	J/UJ	< 40	< 80	H2
Prep Hold Time	BA9C-WO30-0915-1 (N) / L1678771-26	1 / 1.00	All in Run	69.2 (Days)	J/UJ	< 40	< 80	H2
Prep Hold Time	BA9C-WO5-0915-1 (N) / L1678771-25	1 / 1.00	All in Run	69.2 (Days)	J/UJ	< 40	< 80	H2
Prep Hold Time	BA9C-WO55-0915-1 (N) / L1678771-27	1 / 1.00	All in Run	68.1 (Days)	J/UJ	< 40	< 80	H2
Prep Hold Time	BA9C-WO58-0915-1 (N) / L1678771-28	1 / 1.00	All in Run	68.1 (Days)	J/UJ	< 40	< 80	H2
Prep Hold Time	W5-WO30-0915-1 (N) / L1678771-30	1 / 1.00	All in Run	68.2 (Days)	J/UJ	< 40	< 80	H2
Prep Hold Time	W5-WO5-0915-1 (N) / L1678771-29	1 / 1.00	All in Run	68.1 (Days)	J/UJ	< 40	< 80	H2
Prep Hold Time	W5-WO55-0915-1 (N) / L1678771-31	1 / 1.00	All in Run	68.3 (Days)	J/UJ	< 40	< 80	H2
Prep Hold Time	W5-WO58-0915-1 (N) / L1678771-32	1 / 1.00	All in Run	68.3 (Days)	J/UJ	< 40	< 80	H2
Prep Hold Time	W5-WO58-0915-2 (FD) / L1678771-33	1 / 1.00	All in Run	68.3 (Days)	J/UJ	< 40	< 80	H2

Automated Data Review Detail Report for L1678771

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery Component

Palos Verdes Shelf, Los Angeles County, California

Surrogate	BA6C-WO55-0915-1 (N) / L1678771-4	1 / 1.00	4,4'-DDE-13C12	44.0 (Percent)	J/UJ	47 - 160	10 - 170	S	Only 1 SS out. Qualifier Removed.
Surrogate	BA7BC-WO5-0915-1 (N) / L1678771-5	1 / 1.00	4,4'-DDE-13C12	38.0 (Percent)	J/UJ	47 - 160	10 - 170	S	Only 1 SS out. Qualifier Removed.
Surrogate	BA7BC-WO95-0915-1 (N) / L1678771-7	1 / 1.00	4,4'-DDE-13C12	39.0 (Percent)	J/UJ	47 - 160	10 - 170	S	Only 1 SS out. Qualifier Removed.
Surrogate	BA7B-WO145-0915-1 (N) / L1678771-3	1 / 1.00	4,4'-DDE-13C12	28.0 (Percent)	J/UJ	47 - 160	10 - 170	S	Only 1 SS out. Qualifier Removed.
Surrogate	BA7B-WO75-0915-1 (N) / L1678771-2	1 / 1.00	4,4'-DDE-13C12	46.0 (Percent)	J/UJ	47 - 160	10 - 170	S	Only 1 SS out. Qualifier Removed.
Surrogate	BA8BC-WO5-0915-1 (N) / L1678771-11	1 / 1.00	4,4'-DDE-13C12	36.0 (Percent)	J/UJ	47 - 160	10 - 170	S	Only 1 SS out. Qualifier Removed.
Surrogate	BA8BC-WO95-0915-1 (N) / L1678771-13	1 / 1.00	4,4'-DDE-13C12	42.0 (Percent)	J/UJ	47 - 160	10 - 170	S	Only 1 SS out. Qualifier Removed.
Surrogate	BA8B-WO145-0915-1 (N) / L1678771-10	1 / 1.00	4,4'-DDE-13C12	35.0 (Percent)	J/UJ	47 - 160	10 - 170	S	Only 1 SS out. Qualifier Removed.
Surrogate	BA8B-WO5-0915-1 (N) / L1678771-8	1 / 1.00	4,4'-DDE-13C12	36.0 (Percent)	J/UJ	47 - 160	10 - 170	S	Only 1 SS out. Qualifier Removed.
Surrogate	BA8B-WO75-0915-1 (N) / L1678771-9	1 / 1.00	4,4'-DDE-13C12	40.0 (Percent)	J/UJ	47 - 160	10 - 170	S	Only 1 SS out. Qualifier Removed.
Surrogate	BA8C-WO5-0915-1 (N) / L1678771-14	1 / 1.00	4,4'-DDE-13C12	46.0 (Percent)	J/UJ	47 - 160	10 - 170	S	Only 1 SS out. Qualifier Removed.
Surrogate	BA8DC-WO20-0915-1 (N) / L1678771-16	1 / 1.00	4,4'-DDE-13C12	43.0 (Percent)	J/UJ	47 - 160	10 - 170	S	Only 1 SS out. Qualifier Removed.
Surrogate	BA8DC-WO35-0915-1 (N) / L1678771-17	1 / 1.00	4,4'-DDE-13C12	45.0 (Percent)	J/UJ	47 - 160	10 - 170	S	Only 1 SS out. Qualifier Removed.
Surrogate	BA8DC-WO5-0915-1 (N) / L1678771-15	1 / 1.00	4,4'-DDE-13C12	43.0 (Percent)	J/UJ	47 - 160	10 - 170	S	Only 1 SS out. Qualifier Removed.
Surrogate	BA9B-WO5-0915-1 (N) / L1678771-19	1 / 1.00	4,4'-DDE-13C12	45.0 (Percent)	J/UJ	47 - 160	10 - 170	S	Only 1 SS out. Qualifier Removed.
Surrogate	W5-WO58-0915-1 (N) / L1678771-32	1 / 1.00	4,4'-DDE-13C12	45.0 (Percent)	J/UJ	47 - 160	10 - 170	S	Only 1 SS out. Qualifier Removed.
Surrogate	W5-WO58-0915-2 (FD) / L1678771-33	1 / 1.00	4,4'-DDE-13C12	39.0 (Percent)	J/UJ	47 - 160	10 - 170	S	Only 1 SS out. Qualifier Removed.

Rule is the multiplier used when blank contamination occurs to determine action level.

Automated Data Review Detail Report for L1678771

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1668C		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
BA6C-WO55-0915-1	L1678771-4	WO	N	2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	2.4	2.1 J,B	2.4 U		PG/L	B1
BA6C-WO55-0915-1	L1678771-4	WO	N	2,2',3,3',4,4',5-HEPTACHLOROBIPHENYL	0.26	0.26 J,M	0.26 U		PG/L	B1/G4
BA6C-WO55-0915-1	L1678771-4	WO	N	2,2',3,3',4,4'-HEXACHLOROBIPHENYL	0.15	0.43 J	0.43 J	+	PG/L	B1/TR
BA6C-WO55-0915-1	L1678771-4	WO	N	2,2',3,4,4',5,5'-HEPTACHLOROBIPHENYL	0.18	0.90 J	0.90 J	+	PG/L	B1/TR
BA6C-WO55-0915-1	L1678771-4	WO	N	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	0.17	2.9 J,B	2.9 J	+	PG/L	B1/TR
BA6C-WO55-0915-1	L1678771-4	WO	N	2,2',3,4',5,5',6-HEPTACHLOROBIPHENYL	0.38	0.38 J,M	0.38 J	+	PG/L	B1/TR/G4
BA6C-WO55-0915-1	L1678771-4	WO	N	2,2',3,4',5,6-HEXACHLOROBIPHENYL	1.9	1.9 J,M	1.9 J	+	PG/L	B1/TR/G4
BA6C-WO55-0915-1	L1678771-4	WO	N	2,2',3,4,5'-PENTACHLOROBIPHENYL/2,3',4,4',6-Pentachlorobiphenyl	0.27	4.0 J	4.0 J	+	PG/L	TR/B1
BA6C-WO55-0915-1	L1678771-4	WO	N	2,2',3,5,5',6-HEXACHLOROBIPHENYL	0.20	1.0 J,B	1.0 J	+	PG/L	TR/B1
BA6C-WO55-0915-1	L1678771-4	WO	N	2,2',3,5'-TETRACHLOROBIPHENYL	0.31	9.9 J	9.9 J	+	PG/L	B1/TR
BA6C-WO55-0915-1	L1678771-4	WO	N	2,2',4,4',5,5'-HEXACHLOROBIPHENYL/2,3',4,4',5,6-HEXACHLOROBIPHENYL	0.14	2.0 J,B	2.0 J	+	PG/L	TR/B1
BA6C-WO55-0915-1	L1678771-4	WO	N	2,2',4,4',5-PENTACHLOROBIPHENYL	0.32	3.2 J,B	3.2 J	+	PG/L	B1/TR
BA6C-WO55-0915-1	L1678771-4	WO	N	2,2',4,5,5'-PENTACHLOROBIPHENYL	0.30	5.7 J,B	5.7 J	+	PG/L	B1/TR
BA6C-WO55-0915-1	L1678771-4	WO	N	2,2',4,5'-TETRACHLOROBIPHENYL	0.29	4.1 J,B	4.1 J	+	PG/L	B1/TR
BA6C-WO55-0915-1	L1678771-4	WO	N	2,2',5,5'-TETRACHLOROBIPHENYL	0.38	8.9 J,B	8.9 J	+	PG/L	B1/TR
BA6C-WO55-0915-1	L1678771-4	WO	N	2,2',5-TRICHLOROBIPHENYL	0.37	4.2 J	4.2 J	+	PG/L	B1/TR
BA6C-WO55-0915-1	L1678771-4	WO	N	2,3,3',4,4',5-Hexachlorobiphenyl/2,3,3',4,4',5'-Hexachlorobiphenyl	0.29	0.29 J,M	0.29 U		PG/L	B1/G4

Automated Data Review Detail Report for L1678771

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1668C		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
BA6C-WO55-0915-1	L1678771-4	WO	N	2,3,3',4,4',6- HEXACHLOROBIPHENYL	0.25	0.25 J,M	0.25 J	+	PG/L	TR/B1/G4
BA6C-WO55-0915-1	L1678771-4	WO	N	2,3,3',4,4'- PENTACHLOROBIPHENYL	0.17	1.6 J	1.6 J	+	PG/L	B1/TR
BA6C-WO55-0915-1	L1678771-4	WO	N	2,3,3',4',6- PENTACHLOROBIPHENYL	0.25	7.6 J	7.6 J	+	PG/L	B1/TR
BA6C-WO55-0915-1	L1678771-4	WO	N	2,3',4,4',5,5'- HEXACHLOROBIPHENYL	0.13	0.19 J	0.19 J		PG/L	TR
BA6C-WO55-0915-1	L1678771-4	WO	N	2,3',4,4',5- PENTACHLOROBIPHENYL	0.16	3.9 J,B	3.9 J	+	PG/L	B1/TR
BA6C-WO55-0915-1	L1678771-4	WO	N	2,3',4,4'- TETRACHLOROBIPHENYL	0.29	5.5 J,B	5.5 J	+	PG/L	B1/TR
BA6C-WO55-0915-1	L1678771-4	WO	N	2,4,4'-TRICHLOROBIPHENYL	0.45	7.0 J,B	7.0 J	+	PG/L	B1/TR
BA6C-WO55-0915-1	L1678771-4	WO	N	2,4',5-TRICHLOROBIPHENYL	0.45	5.5 J,B	5.5 J	+	PG/L	B1/TR
BA6C-WO55-0915-1	L1678771-4	WO	N	2,4'-DICHLOROBIPHENYL	3.9	3.9 J,M	3.9 J		PG/L	TR/G4
BA6C-WO55-0915-1	L1678771-4	WO	N	3,3',4,4'- TETRACHLOROBIPHENYL	0.30	0.30 J	0.30 J		PG/L	TR
BA6C-WO55-0915-1	L1678771-4	WO	N	3,4,4'-TRICHLOROBIPHENYL	1.2	1.2 J,M	1.2 U		PG/L	B1/G4
BA6C-WO55-0915-1	L1678771-4	WO	N	PCB061/070/074/076	0.29	9.1 J,B	9.1 J	+	PG/L	TR/B1
BA7BC-WO50-0915-1	L1678771-6	WO	N	2,2',3,3',4,4',5,5',6,6'- Decachlorobiphenyl	2.4	2.1 J,B	2.4 U		PG/L	B1
BA7BC-WO50-0915-1	L1678771-6	WO	N	2,2',3,4,4',5,5'- HEPTACHLOROBIPHENYL	0.20	0.77 J	0.70 J	+	PG/L	B1/TR
BA7BC-WO50-0915-1	L1678771-6	WO	N	2,2',3,4,4',5'- HEXACHLOROBIPHENYL	0.22	2.3 J,B	2.3 J	+	PG/L	B1/TR
BA7BC-WO50-0915-1	L1678771-6	WO	N	2,2',3,4',5,5',6- HEPTACHLOROBIPHENYL	0.29	0.29 J,M	0.29 J	+	PG/L	B1/TR/G4
BA7BC-WO50-0915-1	L1678771-6	WO	N	2,2',3,4',5',6- HEXACHLOROBIPHENYL	1.2	1.2 J,M	1.2 U		PG/L	B1/G4
BA7BC-WO50-0915-1	L1678771-6	WO	N	2,2',3,4,5'- PENTACHLOROBIPHENYL/2,3', 4,4',6-Pentachlorobiphenyl	0.47	3.6 J	3.6 J	+	PG/L	TR/B1
BA7BC-WO50-0915-1	L1678771-6	WO	N	2,2',3,5,5',6- HEXACHLOROBIPHENYL	0.80	0.80 J,M	0.80 J	+	PG/L	TR/B1/G4
BA7BC-WO50-0915-1	L1678771-6	WO	N	2,2',3,5'- TETRACHLOROBIPHENYL	0.43	8.2 J	8.2 J	+	PG/L	B1/TR

Automated Data Review Detail Report for L1678771

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1668C		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
BA7BC-WO50-0915-1	L1678771-6	WO	N	2,2',4,4',5,5'- HEXACHLOROBIPHENYL/2,3',4 ,4',5',6- HEXACHLOROBIPHENYL	0.19	1.7 J,B	1.7 J	+	PG/L	TR/B1
BA7BC-WO50-0915-1	L1678771-6	WO	N	2,2',4,4',5- PENTACHLOROBIPHENYL	0.55	2.3 J,B	2.3 J	+	PG/L	B1/TR
BA7BC-WO50-0915-1	L1678771-6	WO	N	2,2',4,5,5'- PENTACHLOROBIPHENYL	4.2	4.2 J,M	4.2 J	+	PG/L	B1/TR/G4
BA7BC-WO50-0915-1	L1678771-6	WO	N	2,2',4,5'- TETRACHLOROBIPHENYL	0.40	3.3 J,B	3.3 J	+	PG/L	B1/TR
BA7BC-WO50-0915-1	L1678771-6	WO	N	2,2',5,5'- TETRACHLOROBIPHENYL	0.51	7.1 J,B	7.1 J	+	PG/L	B1/TR
BA7BC-WO50-0915-1	L1678771-6	WO	N	2,2',5-TRICHLOROBIPHENYL	3.6	3.6 J,M	3.6 J	+	PG/L	B1/TR/G4
BA7BC-WO50-0915-1	L1678771-6	WO	N	2,3,3',4,4',5- Hexachlorobiphenyl/2,3,3',4,4',5'- Hexachlorobiphenyl	0.24	0.24 J,M	0.24 U		PG/L	B1/G4
BA7BC-WO50-0915-1	L1678771-6	WO	N	2,3,3',4,4',6- HEXACHLOROBIPHENYL	0.16	0.25 J	0.25 J	+	PG/L	TR/B1
BA7BC-WO50-0915-1	L1678771-6	WO	N	2,3,3',4,4'- PENTACHLOROBIPHENYL	0.91	0.91 J,M	0.91 J	+	PG/L	B1/TR/G4
BA7BC-WO50-0915-1	L1678771-6	WO	N	2,3,3',4',6- PENTACHLOROBIPHENYL	0.43	6.3 J	6.3 J	+	PG/L	B1/TR
BA7BC-WO50-0915-1	L1678771-6	WO	N	2,3',4,4',5- PENTACHLOROBIPHENYL	2.6	2.6 J,M	2.6 J	+	PG/L	B1/TR/G4
BA7BC-WO50-0915-1	L1678771-6	WO	N	2,3',4,4'- TETRACHLOROBIPHENYL	0.36	4.4 J,B	4.4 J	+	PG/L	B1/TR
BA7BC-WO50-0915-1	L1678771-6	WO	N	2,4,4'-TRICHLOROBIPHENYL	0.59	6.3 J,B	6.3 J	+	PG/L	B1/TR
BA7BC-WO50-0915-1	L1678771-6	WO	N	2,4',5-TRICHLOROBIPHENYL	4.5	4.5 J,M	4.5 J	+	PG/L	B1/TR/G4
BA7BC-WO50-0915-1	L1678771-6	WO	N	3,4,4'-TRICHLOROBIPHENYL	0.67	1.8 J,B	1.8 J	+	PG/L	B1/TR
BA7BC-WO50-0915-1	L1678771-6	WO	N	PCB061/070/074/076	0.36	7.6 J,B	7.6 J	+	PG/L	TR/B1
BA7BC-WO5-0915-1	L1678771-5	WO	N	2,2',3,3',4,4',5,5',6,6'- Decachlorobiphenyl	2.4	1.6 J,B	2.4 U		PG/L	B1
BA7BC-WO5-0915-1	L1678771-5	WO	N	2,2',3,3',4,4'- HEXACHLOROBIPHENYL	0.18	0.28 J	0.28 J	+	PG/L	B1/TR
BA7BC-WO5-0915-1	L1678771-5	WO	N	2,2',3,4,4',5,5'- HEPTACHLOROBIPHENYL	0.34	0.34 J,M	0.34 U		PG/L	B1/G4

Automated Data Review Detail Report for L1678771

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1668C		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
BA7BC-WO5-0915-1	L1678771-5	WO	N	2,2',3,4,4',5'- HEXACHLOROBIPHENYL	1.6	1.3 J,B	1.6 U		PG/L	B1
BA7BC-WO5-0915-1	L1678771-5	WO	N	2,2',3,4',5,5',6- HEPTACHLOROBIPHENYL	0.39	0.39 J,M	0.39 J	+	PG/L	B1/TR/G4
BA7BC-WO5-0915-1	L1678771-5	WO	N	2,2',3,4',5',6- HEXACHLOROBIPHENYL	0.75	0.75 J,M	0.75 U		PG/L	B1/G4
BA7BC-WO5-0915-1	L1678771-5	WO	N	2,2',3,4,5'- PENTACHLOROBIPHENYL/2,3', 4,4',6-Pentachlorobiphenyl	0.81	0.81 J,M	0.81 U		PG/L	B1/G4
BA7BC-WO5-0915-1	L1678771-5	WO	N	2,2',3,5,5',6- HEXACHLOROBIPHENYL	0.68	0.47 J,B	0.68 U		PG/L	B1
BA7BC-WO5-0915-1	L1678771-5	WO	N	2,2',3,5'- TETRACHLOROBIPHENYL	5.3	4.4 J	5.3 U		PG/L	B1
BA7BC-WO5-0915-1	L1678771-5	WO	N	2,2',4,4',5,5'- HEXACHLOROBIPHENYL/2,3',4 ,4',5',6- HEXACHLOROBIPHENYL	0.60	0.60 J,M	0.60 U		PG/L	B1/G4
BA7BC-WO5-0915-1	L1678771-5	WO	N	2,2',4,5,5'- PENTACHLOROBIPHENYL	1.8	1.5 J,B	1.8 U		PG/L	B1
BA7BC-WO5-0915-1	L1678771-5	WO	N	2,2',4,5'- TETRACHLOROBIPHENYL	1.3	1.0 J,B	1.3 U		PG/L	B1
BA7BC-WO5-0915-1	L1678771-5	WO	N	2,2',5,5'- TETRACHLOROBIPHENYL	3.6	3.1 J,B	3.6 U		PG/L	B1
BA7BC-WO5-0915-1	L1678771-5	WO	N	2,2',5-TRICHLOROBIPHENYL	3.6	2.6 J	3.6 U		PG/L	B1
BA7BC-WO5-0915-1	L1678771-5	WO	N	2,3,3',4,4'- PENTACHLOROBIPHENYL	0.59	0.52 J	0.59 U		PG/L	B1
BA7BC-WO5-0915-1	L1678771-5	WO	N	2,3,3',4',6- PENTACHLOROBIPHENYL	2.5	1.5 J	2.5 U		PG/L	B1
BA7BC-WO5-0915-1	L1678771-5	WO	N	2,3',4,4',5- PENTACHLOROBIPHENYL	1.2	1.2 J,M	1.2 U		PG/L	B1/G4
BA7BC-WO5-0915-1	L1678771-5	WO	N	2,3',4,4'- TETRACHLOROBIPHENYL	1.3	1.2 J,B	1.3 U		PG/L	B1
BA7BC-WO5-0915-1	L1678771-5	WO	N	2,4,4'-TRICHLOROBIPHENYL	4.6	4.0 J,B	4.6 U		PG/L	B1
BA7BC-WO5-0915-1	L1678771-5	WO	N	2,4',5-TRICHLOROBIPHENYL	3.6	3.3 J,B	3.6 U		PG/L	B1
BA7BC-WO5-0915-1	L1678771-5	WO	N	3,4,4'-TRICHLOROBIPHENYL	0.78	0.78 J,M	0.78 U		PG/L	B1/G4
BA7BC-WO5-0915-1	L1678771-5	WO	N	PCB061/070/074/076	2.8	2.4 J,B	2.8 U		PG/L	B1

Automated Data Review Detail Report for L1678771

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1668C		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
BA7BC-WO95-0915-1	L1678771-7	WO	N	2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	0.63	5.4 J,B	5.4 J	+	PG/L	TR/B1
BA7BC-WO95-0915-1	L1678771-7	WO	N	2,2',3,3',4,4',5-HEPTACHLOROBIPHENYL	0.51	0.51 J,M	0.51 J	+	PG/L	B1/TR/G4
BA7BC-WO95-0915-1	L1678771-7	WO	N	2,2',3,3',4,4'-HEXACHLOROBIPHENYL	0.72	0.72 J,M	0.72 J	+	PG/L	B1/TR/G4
BA7BC-WO95-0915-1	L1678771-7	WO	N	2,2',3,3',4,5',6'-HEPTACHLOROBIPHENYL	0.30	0.47 J	0.47 J		PG/L	TR
BA7BC-WO95-0915-1	L1678771-7	WO	N	2,2',3,4,4',5,5'-HEPTACHLOROBIPHENYL	1.2	1.2 J,M	1.2 J	+	PG/L	B1/TR/G4
BA7BC-WO95-0915-1	L1678771-7	WO	N	2,2',3,4,4',5',6'-HEPTACHLOROBIPHENYL	0.26	0.44 J	0.44 J		PG/L	TR
BA7BC-WO95-0915-1	L1678771-7	WO	N	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	0.17	5.6 J,B	5.6 J	+	PG/L	B1/TR
BA7BC-WO95-0915-1	L1678771-7	WO	N	2,2',3,4',5,5',6'-HEPTACHLOROBIPHENYL	0.23	0.70 J	0.70 J	+	PG/L	B1/TR
BA7BC-WO95-0915-1	L1678771-7	WO	N	2,2',3,4',5',6'-HEXACHLOROBIPHENYL	0.17	4.3 J,B	4.3 J	+	PG/L	B1/TR
BA7BC-WO95-0915-1	L1678771-7	WO	N	2,2',3,4,5'-PENTACHLOROBIPHENYL/2,3',4,4',6-Pentachlorobiphenyl	0.29	6.8 J	6.8 J	+	PG/L	TR/B1
BA7BC-WO95-0915-1	L1678771-7	WO	N	2,2',3,5,5',6'-HEXACHLOROBIPHENYL	0.15	2.0 J,B	2.0 J	+	PG/L	TR/B1
BA7BC-WO95-0915-1	L1678771-7	WO	N	2,2',3,5'-TETRACHLOROBIPHENYL	0.26	12.5 J	12.5 J	+	PG/L	B1/TR
BA7BC-WO95-0915-1	L1678771-7	WO	N	2,2',4,4',5,5'-HEXACHLOROBIPHENYL/2,3',4,4',5',6'-HEXACHLOROBIPHENYL	0.15	4.0 J,B	4.0 J	+	PG/L	TR/B1
BA7BC-WO95-0915-1	L1678771-7	WO	N	2,2',4,4',5'-PENTACHLOROBIPHENYL	0.35	5.5 J,B	5.5 J	+	PG/L	B1/TR
BA7BC-WO95-0915-1	L1678771-7	WO	N	2,2',4,5,5'-PENTACHLOROBIPHENYL	0.32	9.4 J,B	9.4 J	+	PG/L	B1/TR
BA7BC-WO95-0915-1	L1678771-7	WO	N	2,2',4,5'-TETRACHLOROBIPHENYL	0.25	5.7 J,B	5.7 J	+	PG/L	B1/TR
BA7BC-WO95-0915-1	L1678771-7	WO	N	2,2',5,5'-TETRACHLOROBIPHENYL	0.31	12.0 J,B	12.0 J	+	PG/L	B1/TR

Automated Data Review Detail Report for L1678771

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1668C		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
BA7BC-WO95-0915-1	L1678771-7	WO	N	2,2',5-TRICHLOROBIPHENYL	0.41	4.0 J	4.0 J	+	PG/L	B1/TR
BA7BC-WO95-0915-1	L1678771-7	WO	N	2,3,3',4,4',5-Hexachlorobiphenyl/2,3,3',4,4',5'-Hexachlorobiphenyl	0.42	0.42 J,M	0.42 J	+	PG/L	B1/TR/G4
BA7BC-WO95-0915-1	L1678771-7	WO	N	2,3,3',4,4',6-HEXACHLOROBIPHENYL	0.45	0.45 J,M	0.45 J	+	PG/L	TR/B1/G4
BA7BC-WO95-0915-1	L1678771-7	WO	N	2,3,3',4,4'-PENTACHLOROBIPHENYL	0.22	2.9 J	2.9 J	+	PG/L	B1/TR
BA7BC-WO95-0915-1	L1678771-7	WO	N	2,3,3',4',6-PENTACHLOROBIPHENYL	0.27	12.0 J	12.0 J	+	PG/L	B1/TR
BA7BC-WO95-0915-1	L1678771-7	WO	N	2,3',4,4',5,5'-HEXACHLOROBIPHENYL	0.12	0.22 J	0.22 J		PG/L	TR
BA7BC-WO95-0915-1	L1678771-7	WO	N	2,3',4,4',5-PENTACHLOROBIPHENYL	0.21	7.2 J,B	7.2 J	+	PG/L	B1/TR
BA7BC-WO95-0915-1	L1678771-7	WO	N	2,3',4,4'-TETRACHLOROBIPHENYL	0.29	9.9 J,B	9.9 J	+	PG/L	B1/TR
BA7BC-WO95-0915-1	L1678771-7	WO	N	2,4,4'-TRICHLOROBIPHENYL	0.39	7.9 J,B	7.9 J	+	PG/L	B1/TR
BA7BC-WO95-0915-1	L1678771-7	WO	N	2,4',5-TRICHLOROBIPHENYL	0.38	6.2 J,B	6.2 J	+	PG/L	B1/TR
BA7BC-WO95-0915-1	L1678771-7	WO	N	3,3',4,4'-TETRACHLOROBIPHENYL	0.52	0.52 J,M	0.52 J		PG/L	TR/G4
BA7BC-WO95-0915-1	L1678771-7	WO	N	3,4,4'-TRICHLOROBIPHENYL	0.46	1.8 J,B	1.8 J	+	PG/L	B1/TR
BA7BC-WO95-0915-1	L1678771-7	WO	N	PCB061/070/074/076	0.29	15.1 J,B	15.1 J	+	PG/L	TR/B1
BA7B-WO145-0915-1	L1678771-3	WO	N	2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	0.51	5.1 J,B	5.1 J	+	PG/L	TR/B1
BA7B-WO145-0915-1	L1678771-3	WO	N	2,2',3,3',4,4',5-HEPTACHLOROBIPHENYL	0.38	0.38 J,M	0.38 J	+	PG/L	B1/TR/G4
BA7B-WO145-0915-1	L1678771-3	WO	N	2,2',3,3',4,4'-HEXACHLOROBIPHENYL	0.18	0.75 J	0.75 J	+	PG/L	B1/TR
BA7B-WO145-0915-1	L1678771-3	WO	N	2,2',3,3',4,5',6'-HEPTACHLOROBIPHENYL	0.40	0.40 J,M	0.40 J		PG/L	TR/G4
BA7B-WO145-0915-1	L1678771-3	WO	N	2,2',3,4,4',5,5'-HEPTACHLOROBIPHENYL	0.20	1.0 J	1.0 J	+	PG/L	B1/TR
BA7B-WO145-0915-1	L1678771-3	WO	N	2,2',3,4,4',5',6-HEPTACHLOROBIPHENYL	0.36	0.36 J,M	0.36 J		PG/L	TR/G4
BA7B-WO145-0915-1	L1678771-3	WO	N	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	0.20	4.0 J,B	4.0 J	+	PG/L	B1/TR

Automated Data Review Detail Report for L1678771

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1668C		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
BA7B-WO145-0915-1	L1678771-3	WO	N	2,2',3,4',5,5',6-HEPTACHLOROBIPHENYL	0.51	0.51 J,M	0.51 J	+	PG/L	B1/TR/G4
BA7B-WO145-0915-1	L1678771-3	WO	N	2,2',3,4',5',6-HEXACHLOROBIPHENYL	0.20	2.7 J,B	2.7 J	+	PG/L	B1/TR
BA7B-WO145-0915-1	L1678771-3	WO	N	2,2',3,4,5'-PENTACHLOROBIPHENYL/2,3',4,4',6-Pentachlorobiphenyl	0.25	4.6 J	4.6 J	+	PG/L	TR/B1
BA7B-WO145-0915-1	L1678771-3	WO	N	2,2',3,5',6-HEXACHLOROBIPHENYL	0.27	1.5 J,B	1.5 J	+	PG/L	TR/B1
BA7B-WO145-0915-1	L1678771-3	WO	N	2,2',3,5'-TETRACHLOROBIPHENYL	0.26	9.2 J	9.2 J	+	PG/L	B1/TR
BA7B-WO145-0915-1	L1678771-3	WO	N	2,2',4,4',5,5'-HEXACHLOROBIPHENYL/2,3',4,4',5,6-HEXACHLOROBIPHENYL	2.6	2.6 J,M	2.6 J	+	PG/L	TR/B1/G4
BA7B-WO145-0915-1	L1678771-3	WO	N	2,2',4,4',5-PENTACHLOROBIPHENYL	0.30	3.7 J,B	3.7 J	+	PG/L	B1/TR
BA7B-WO145-0915-1	L1678771-3	WO	N	2,2',4,5,5'-PENTACHLOROBIPHENYL	0.27	6.0 J,B	6.0 J	+	PG/L	B1/TR
BA7B-WO145-0915-1	L1678771-3	WO	N	2,2',4,5'-TETRACHLOROBIPHENYL	0.25	3.8 J,B	3.8 J	+	PG/L	B1/TR
BA7B-WO145-0915-1	L1678771-3	WO	N	2,2',5,5'-TETRACHLOROBIPHENYL	0.31	9.1 J,B	9.1 J	+	PG/L	B1/TR
BA7B-WO145-0915-1	L1678771-3	WO	N	2,2',5-TRICHLOROBIPHENYL	0.38	3.9 J	3.9 J	+	PG/L	B1/TR
BA7B-WO145-0915-1	L1678771-3	WO	N	2,3,3',4,4',5-Hexachlorobiphenyl/2,3,3',4,4',5'-Hexachlorobiphenyl	0.20	0.40 J,B	0.40 J	+	PG/L	B1/TR
BA7B-WO145-0915-1	L1678771-3	WO	N	2,3,3',4,4',6-HEXACHLOROBIPHENYL	0.15	0.39 J	0.39 J	+	PG/L	TR/B1
BA7B-WO145-0915-1	L1678771-3	WO	N	2,3,3',4,4'-PENTACHLOROBIPHENYL	2.3	2.3 J,M	2.3 J	+	PG/L	B1/TR/G4
BA7B-WO145-0915-1	L1678771-3	WO	N	2,3,3',4',6-PENTACHLOROBIPHENYL	0.23	8.2 J	8.2 J	+	PG/L	B1/TR
BA7B-WO145-0915-1	L1678771-3	WO	N	2,3',4,4',5-PENTACHLOROBIPHENYL	0.19	5.0 J,B	5.0 J	+	PG/L	B1/TR
BA7B-WO145-0915-1	L1678771-3	WO	N	2,3',4,4'-TETRACHLOROBIPHENYL	0.31	5.5 J,B	5.5 J	+	PG/L	B1/TR

Automated Data Review Detail Report for L1678771

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1668C	Extraction Method: METHOD	Leach Method: NONE								
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
BA7B-WO145-0915-1	L1678771-3	WO	N	2,4,4'-TRICHLOROBIPHENYL	0.36	6.8 J,B	6.8 J	+	PG/L	B1/TR
BA7B-WO145-0915-1	L1678771-3	WO	N	2,4',5-TRICHLOROBIPHENYL	0.36	5.6 J,B	5.6 J	+	PG/L	B1/TR
BA7B-WO145-0915-1	L1678771-3	WO	N	3,4,4'-TRICHLOROBIPHENYL	1.6	1.5 J,B	1.6 U		PG/L	B1
BA7B-WO145-0915-1	L1678771-3	WO	N	PCB061/070/074/076	0.31	9.0 J,B	9.0 J	+	PG/L	TR/B1
BA7B-WO5-0915-1	L1678771-1	WO	N	2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	2.4	1.6 J,B	2.4 U		PG/L	B1
BA7B-WO5-0915-1	L1678771-1	WO	N	2,2',3,3',4,4'-HEXACHLOROBIPHENYL	0.15	0.32 J	0.32 J	+	PG/L	B1/TR
BA7B-WO5-0915-1	L1678771-1	WO	N	2,2',3,4,4',5,5'-HEPTACHLOROBIPHENYL	0.24	0.24 J,M	0.24 U		PG/L	B1/G4
BA7B-WO5-0915-1	L1678771-1	WO	N	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	1.1	1.1 J,M	1.1 U		PG/L	B1/G4
BA7B-WO5-0915-1	L1678771-1	WO	N	2,2',3,4',5',6-HEXACHLOROBIPHENYL	0.90	0.90 J,M	0.90 U		PG/L	B1/G4
BA7B-WO5-0915-1	L1678771-1	WO	N	2,2',3,4,5'-PENTACHLOROBIPHENYL/2,3',4,4',6-Pentachlorobiphenyl	1.3	1.3 J,M	1.3 J	+	PG/L	TR/B1/G4
BA7B-WO5-0915-1	L1678771-1	WO	N	2,2',3,5,5',6-HEXACHLOROBIPHENYL	0.68	0.45 J,B	0.68 U		PG/L	B1
BA7B-WO5-0915-1	L1678771-1	WO	N	2,2',3,5'-TETRACHLOROBIPHENYL	5.3	4.4 J	5.3 U		PG/L	B1
BA7B-WO5-0915-1	L1678771-1	WO	N	2,2',4,4',5,5'-HEXACHLOROBIPHENYL/2,3',4,4',5',6-HEXACHLOROBIPHENYL	0.67	0.67 J,M	0.67 U		PG/L	B1/G4
BA7B-WO5-0915-1	L1678771-1	WO	N	2,2',4,4',5-PENTACHLOROBIPHENYL	0.72	0.71 J,B	0.72 U		PG/L	B1
BA7B-WO5-0915-1	L1678771-1	WO	N	2,2',4,5,5'-PENTACHLOROBIPHENYL	1.8	1.7 J,B	1.8 U		PG/L	B1
BA7B-WO5-0915-1	L1678771-1	WO	N	2,2',4,5'-TETRACHLOROBIPHENYL	1.3	0.90 J,B	1.3 U		PG/L	B1
BA7B-WO5-0915-1	L1678771-1	WO	N	2,2',5,5'-TETRACHLOROBIPHENYL	3.6	3.1 J,B	3.6 U		PG/L	B1
BA7B-WO5-0915-1	L1678771-1	WO	N	2,2',5-TRICHLOROBIPHENYL	2.4	2.4 J,M	2.4 U		PG/L	B1/G4
BA7B-WO5-0915-1	L1678771-1	WO	N	2,3,3',4,4'-PENTACHLOROBIPHENYL	0.40	0.40 J,M	0.40 U		PG/L	B1/G4

Automated Data Review Detail Report for L1678771

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1668C		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
BA7B-WO5-0915-1	L1678771-1	WO	N	2,3,3',4',6-PENTACHLOROBIPHENYL	2.5	2.0 J	2.5 U		PG/L	B1
BA7B-WO5-0915-1	L1678771-1	WO	N	2,3',4,4',5-PENTACHLOROBIPHENYL	0.83	0.83 J,M	0.83 U		PG/L	B1/G4
BA7B-WO5-0915-1	L1678771-1	WO	N	2,3',4,4'-TETRACHLOROBIPHENYL	1.3	1.1 J,B	1.3 U		PG/L	B1
BA7B-WO5-0915-1	L1678771-1	WO	N	2,4,4'-TRICHLOROBIPHENYL	4.6	3.7 J,B	4.6 U		PG/L	B1
BA7B-WO5-0915-1	L1678771-1	WO	N	2,4',5-TRICHLOROBIPHENYL	3.6	2.5 J,B	3.6 U		PG/L	B1
BA7B-WO5-0915-1	L1678771-1	WO	N	3,4,4'-TRICHLOROBIPHENYL	1.6	1.1 J,B	1.6 U		PG/L	B1
BA7B-WO5-0915-1	L1678771-1	WO	N	PCB061/070/074/076	2.8	2.1 J,B	2.8 U		PG/L	B1
BA7B-WO75-0915-1	L1678771-2	WO	N	2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	2.4	1.4 J,B	2.4 U		PG/L	B1
BA7B-WO75-0915-1	L1678771-2	WO	N	2,2',3,3',4,4'-HEXACHLOROBIPHENYL	0.13	0.28 J	0.28 J	+	PG/L	B1/TR
BA7B-WO75-0915-1	L1678771-2	WO	N	2,2',3,4,4',5,5'-HEPTACHLOROBIPHENYL	0.38	0.38 J,M	0.38 U		PG/L	B1/G4
BA7B-WO75-0915-1	L1678771-2	WO	N	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	1.6	1.5 J,B	1.6 U		PG/L	B1
BA7B-WO75-0915-1	L1678771-2	WO	N	2,2',3,4',5,5',6-HEPTACHLOROBIPHENYL	0.27	0.27 J,M	0.27 J	+	PG/L	B1/TR/G4
BA7B-WO75-0915-1	L1678771-2	WO	N	2,2',3,4',5',6-HEXACHLOROBIPHENYL	1.2	1.1 J,B	1.2 U		PG/L	B1
BA7B-WO75-0915-1	L1678771-2	WO	N	2,2',3,4,5'-PENTACHLOROBIPHENYL/2,3',4,4',6-Pentachlorobiphenyl	1.4	1.4 J,M	1.4 J	+	PG/L	TR/B1/G4
BA7B-WO75-0915-1	L1678771-2	WO	N	2,2',3,5,5',6-HEXACHLOROBIPHENYL	0.52	0.52 J,M	0.52 U		PG/L	B1/G4
BA7B-WO75-0915-1	L1678771-2	WO	N	2,2',3,5'-TETRACHLOROBIPHENYL	5.3	4.9 J	5.3 U		PG/L	B1
BA7B-WO75-0915-1	L1678771-2	WO	N	2,2',4,4',5,5'-HEXACHLOROBIPHENYL/2,3',4,4',5',6-HEXACHLOROBIPHENYL	0.12	1.1 J,B	1.1 J	+	PG/L	TR/B1
BA7B-WO75-0915-1	L1678771-2	WO	N	2,2',4,4',5-PENTACHLOROBIPHENYL	0.72	1.1 J,B	0.72 J	+	PG/L	B1

Automated Data Review Detail Report for L1678771

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1668C		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
BA7B-WO75-0915-1	L1678771-2	WO	N	2,2',4,5,5'-PENTACHLOROBIPHENYL	1.8	1.8 J,M	1.8 U		PG/L	B1/G4
BA7B-WO75-0915-1	L1678771-2	WO	N	2,2',4,5'-TETRACHLOROBIPHENYL	1.3	1.2 J,B	1.3 U		PG/L	B1
BA7B-WO75-0915-1	L1678771-2	WO	N	2,2',5,5'-TETRACHLOROBIPHENYL	3.6	3.0 J,B	3.6 U		PG/L	B1
BA7B-WO75-0915-1	L1678771-2	WO	N	2,2',5-TRICHLOROBIPHENYL	3.6	2.1 J	3.6 U		PG/L	B1
BA7B-WO75-0915-1	L1678771-2	WO	N	2,3,3',4,4',5'-Hexachlorobiphenyl/2,3,3',4,4',5'-Hexachlorobiphenyl	0.15	0.15 J,M	0.15 U		PG/L	B1/G4
BA7B-WO75-0915-1	L1678771-2	WO	N	2,3,3',4,4'-PENTACHLOROBIPHENYL	0.17	0.80 J	0.80 J	+	PG/L	B1/TR
BA7B-WO75-0915-1	L1678771-2	WO	N	2,3,3',4',6-PENTACHLOROBIPHENYL	0.23	3.0 J	3.0 J	+	PG/L	B1/TR
BA7B-WO75-0915-1	L1678771-2	WO	N	2,3',4,4',5-PENTACHLOROBIPHENYL	0.16	1.7 J,B	1.7 J	+	PG/L	B1/TR
BA7B-WO75-0915-1	L1678771-2	WO	N	2,3',4,4'-TETRACHLOROBIPHENYL	0.31	1.5 J,B	1.5 J	+	PG/L	B1/TR
BA7B-WO75-0915-1	L1678771-2	WO	N	2,4,4'-TRICHLOROBIPHENYL	4.1	4.1 J,M	4.1 U		PG/L	B1/G4
BA7B-WO75-0915-1	L1678771-2	WO	N	2,4',5-TRICHLOROBIPHENYL	3.6	3.4 J,B	3.6 U		PG/L	B1
BA7B-WO75-0915-1	L1678771-2	WO	N	3,4,4'-TRICHLOROBIPHENYL	1.6	1.5 J,B	1.6 U		PG/L	B1
BA7B-WO75-0915-1	L1678771-2	WO	N	PCB061/070/074/076	0.31	3.3 J,B	3.3 J	+	PG/L	TR/B1
BA8BC-WO50-0915-1	L1678771-12	WO	N	2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	0.12	1.7 J	1.7 J	+	PG/L	TR/B1
BA8BC-WO50-0915-1	L1678771-12	WO	N	2,2',3,3',4,4'-HEXACHLOROBIPHENYL	0.33	0.33 J,M	0.33 J	+	PG/L	B1/TR/G4
BA8BC-WO50-0915-1	L1678771-12	WO	N	2,2',3,3',4,5',6'-HEPTACHLOROBIPHENYL	0.25	0.25 J,M	0.25 J		PG/L	TR/G4
BA8BC-WO50-0915-1	L1678771-12	WO	N	2,2',3,4,4',5,5'-HEPTACHLOROBIPHENYL	0.72	0.65 J,B	0.72 U		PG/L	B1
BA8BC-WO50-0915-1	L1678771-12	WO	N	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	0.14	2.2 J,B	2.2 J	+	PG/L	B1/TR
BA8BC-WO50-0915-1	L1678771-12	WO	N	2,2',3,4',5,5',6-HEPTACHLOROBIPHENYL	0.12	0.38 J	0.38 J	+	PG/L	B1/TR
BA8BC-WO50-0915-1	L1678771-12	WO	N	2,2',3,4',5',6-HEXACHLOROBIPHENYL	1.4	1.4 J,B	1.4 U		PG/L	B1

Automated Data Review Detail Report for L1678771

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1668C		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
BA8BC-WO50-0915-1	L1678771-12	WO	N	2,2',3,4,5'-PENTACHLOROBIPHENYL/2,3',4,4',6-Pentachlorobiphenyl	0.17	2.5 J	2.5 J		PG/L	TR
BA8BC-WO50-0915-1	L1678771-12	WO	N	2,2',3,5,5',6-HEXACHLOROBIPHENYL	0.15	0.80 J	0.80 J	+	PG/L	TR/B1
BA8BC-WO50-0915-1	L1678771-12	WO	N	2,2',3,5'-TETRACHLOROBIPHENYL	0.21	5.9 J,B	5.9 J	+	PG/L	B1/TR
BA8BC-WO50-0915-1	L1678771-12	WO	N	2,2',4,4',5,5'-HEXACHLOROBIPHENYL/2,3',4,4',5,6-HEXACHLOROBIPHENYL	1.5	1.5 J,M	1.5 J	+	PG/L	TR/B1/G4
BA8BC-WO50-0915-1	L1678771-12	WO	N	2,2',4,4',5-PENTACHLOROBIPHENYL	0.21	1.8 J	1.8 J		PG/L	TR
BA8BC-WO50-0915-1	L1678771-12	WO	N	2,2',4,5,5'-PENTACHLOROBIPHENYL	3.1	3.1 J,M	3.1 J	+	PG/L	B1/TR/G4
BA8BC-WO50-0915-1	L1678771-12	WO	N	2,2',4,5'-TETRACHLOROBIPHENYL	0.19	2.3 J	2.3 J	+	PG/L	B1/TR
BA8BC-WO50-0915-1	L1678771-12	WO	N	2,2',5,5'-TETRACHLOROBIPHENYL	0.25	4.8 J,B	4.8 J	+	PG/L	B1/TR
BA8BC-WO50-0915-1	L1678771-12	WO	N	2,2',5-TRICHLOROBIPHENYL	0.32	2.4 J	2.4 J	+	PG/L	B1/TR
BA8BC-WO50-0915-1	L1678771-12	WO	N	2,3,3',4,4',5'-Hexachlorobiphenyl/2,3,3',4,4',5'-Hexachlorobiphenyl	0.25	0.25 J,M	0.25 J		PG/L	TR/G4
BA8BC-WO50-0915-1	L1678771-12	WO	N	2,3,3',4,4',6-HEXACHLOROBIPHENYL	0.10	0.19 J	0.19 J		PG/L	TR
BA8BC-WO50-0915-1	L1678771-12	WO	N	2,3,3',4,4'-PENTACHLOROBIPHENYL	0.96	0.96 J,M	0.96 J		PG/L	TR/G4
BA8BC-WO50-0915-1	L1678771-12	WO	N	2,3,3',4',6-PENTACHLOROBIPHENYL	0.16	4.5 J	4.5 J	+	PG/L	B1/TR
BA8BC-WO50-0915-1	L1678771-12	WO	N	2,3',4,4',5-PENTACHLOROBIPHENYL	0.13	1.9 J,B	1.9 J	+	PG/L	B1/TR
BA8BC-WO50-0915-1	L1678771-12	WO	N	2,3',4,4'-TETRACHLOROBIPHENYL	0.21	3.2 J,B	3.2 J	+	PG/L	B1/TR
BA8BC-WO50-0915-1	L1678771-12	WO	N	2,4,4'-TRICHLOROBIPHENYL	3.1	3.1 J,M	3.1 J	+	PG/L	B1/TR/G4
BA8BC-WO50-0915-1	L1678771-12	WO	N	2,4',5-TRICHLOROBIPHENYL	0.41	2.8 J,B	2.8 J	+	PG/L	B1/TR
BA8BC-WO50-0915-1	L1678771-12	WO	N	3,4,4'-TRICHLOROBIPHENYL	0.52	0.52 J,M	0.52 J		PG/L	TR/G4

Automated Data Review Detail Report for L1678771

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1668C		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
BA8BC-WO50-0915-1	L1678771-12	WO	N	PCB061/070/074/076	0.21	4.8 J,B	4.8 J	+	PG/L	TR/B1
BA8BC-WO5-0915-1	L1678771-11	WO	N	2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	3.3	3.3 J,M	3.3 J	+	PG/L	TR/G4/B1
BA8BC-WO5-0915-1	L1678771-11	WO	N	2,2',3,3',4,4',5-HEPTACHLOROBIPHENYL	0.20	0.20 J,M	0.20 U		PG/L	B1/G4
BA8BC-WO5-0915-1	L1678771-11	WO	N	2,2',3,3',4,4'-HEXACHLOROBIPHENYL	0.16	0.36 J	0.36 J	+	PG/L	B1/TR
BA8BC-WO5-0915-1	L1678771-11	WO	N	2,2',3,4,4',5,5'-HEPTACHLOROBIPHENYL	0.53	0.42 J	0.53 U		PG/L	B1
BA8BC-WO5-0915-1	L1678771-11	WO	N	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	1.6	1.2 J,B	1.6 U		PG/L	B1/TR
BA8BC-WO5-0915-1	L1678771-11	WO	N	2,2',3,4',5,5',6-HEPTACHLOROBIPHENYL	0.20	0.20 J,M	0.20 U		PG/L	B1/G4
BA8BC-WO5-0915-1	L1678771-11	WO	N	2,2',3,4',5,6-HEXACHLOROBIPHENYL	1.2	1.0 J,B	1.2 U		PG/L	B1
BA8BC-WO5-0915-1	L1678771-11	WO	N	2,2',3,4,5'-PENTACHLOROBIPHENYL/2,3',4,4',6-Pentachlorobiphenyl	0.25	1.6 J	1.6 J	+	PG/L	TR/B1
BA8BC-WO5-0915-1	L1678771-11	WO	N	2,2',3,5,5',6-HEXACHLOROBIPHENYL	0.33	0.33 J,M	0.33 U		PG/L	B1/G4
BA8BC-WO5-0915-1	L1678771-11	WO	N	2,2',3,5'-TETRACHLOROBIPHENYL	5.3	5.8 J	5.3 U		PG/L	B1
BA8BC-WO5-0915-1	L1678771-11	WO	N	2,2',4,4',5,5'-HEXACHLOROBIPHENYL/2,3',4,4',5,6-HEXACHLOROBIPHENYL	0.16	1.1 J,B	1.1 J	+	PG/L	TR/B1
BA8BC-WO5-0915-1	L1678771-11	WO	N	2,2',4,4',5-PENTACHLOROBIPHENYL	0.29	0.79 J,B	0.79 J	+	PG/L	B1/TR
BA8BC-WO5-0915-1	L1678771-11	WO	N	2,2',4,5,5'-PENTACHLOROBIPHENYL	1.8	1.4 J,B	1.8 U		PG/L	B1
BA8BC-WO5-0915-1	L1678771-11	WO	N	2,2',4,5'-TETRACHLOROBIPHENYL	1.3	1.3 J,B	1.3 U		PG/L	B1
BA8BC-WO5-0915-1	L1678771-11	WO	N	2,2',5,5'-TETRACHLOROBIPHENYL	3.6	3.5 J,B	3.6 U		PG/L	B1
BA8BC-WO5-0915-1	L1678771-11	WO	N	2,2',5-TRICHLOROBIPHENYL	3.6	3.5 J	3.6 U		PG/L	B1
BA8BC-WO5-0915-1	L1678771-11	WO	N	2,3,3',4,4'-PENTACHLOROBIPHENYL	0.65	0.65 J,M	0.65 J	+	PG/L	B1/TR/G4

Automated Data Review Detail Report for L1678771

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1668C		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
BA8BC-WO5-0915-1	L1678771-11	WO	N	2,3,3',4',6-PENTACHLOROBIPHENYL	2.5	2.0 J	2.5 U		PG/L	B1
BA8BC-WO5-0915-1	L1678771-11	WO	N	2,3',4,4',5-PENTACHLOROBIPHENYL	1.3	0.86 J,B	1.3 U		PG/L	B1
BA8BC-WO5-0915-1	L1678771-11	WO	N	2,3',4,4'-TETRACHLOROBIPHENYL	1.3	1.2 J,B	1.3 U		PG/L	B1
BA8BC-WO5-0915-1	L1678771-11	WO	N	2,4,4'-TRICHLOROBIPHENYL	0.31	4.9 J,B	4.9 J	+	PG/L	B1/TR
BA8BC-WO5-0915-1	L1678771-11	WO	N	2,4',5-TRICHLOROBIPHENYL	0.31	4.0 J,B	4.0 J	+	PG/L	B1/TR
BA8BC-WO5-0915-1	L1678771-11	WO	N	3,4,4'-TRICHLOROBIPHENYL	0.86	0.86 J,M	0.86 U		PG/L	B1/G4
BA8BC-WO5-0915-1	L1678771-11	WO	N	PCB061/070/074/076	2.8	2.6 J,B	2.8 U		PG/L	B1
BA8BC-WO95-0915-1	L1678771-13	WO	N	2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	0.22	1.8 J	1.8 J	+	PG/L	TR/B1
BA8BC-WO95-0915-1	L1678771-13	WO	N	2,2',3,3',4,4',5-HEPTACHLOROBIPHENYL	0.28	0.54 J	0.54 J		PG/L	TR
BA8BC-WO95-0915-1	L1678771-13	WO	N	2,2',3,3',4,4'-HEXACHLOROBIPHENYL	0.17	0.41 J,B	0.41 J	+	PG/L	B1/TR
BA8BC-WO95-0915-1	L1678771-13	WO	N	2,2',3,3',4,5',6'-HEPTACHLOROBIPHENYL	0.40	0.40 J,M	0.40 J		PG/L	TR/G4
BA8BC-WO95-0915-1	L1678771-13	WO	N	2,2',3,4,4',5,5'-HEPTACHLOROBIPHENYL	0.23	0.80 J,B	0.80 J	+	PG/L	B1
BA8BC-WO95-0915-1	L1678771-13	WO	N	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	0.19	3.7 J,B	3.7 J	+	PG/L	B1/TR
BA8BC-WO95-0915-1	L1678771-13	WO	N	2,2',3,4',5,5',6-HEPTACHLOROBIPHENYL	0.30	0.30 J,M	0.30 U		PG/L	B1
BA8BC-WO95-0915-1	L1678771-13	WO	N	2,2',3,4',5',6-HEXACHLOROBIPHENYL	0.19	2.3 J,B	2.3 J	+	PG/L	B1/TR
BA8BC-WO95-0915-1	L1678771-13	WO	N	2,2',3,4,5'-PENTACHLOROBIPHENYL/2,3',4,4',6-Pentachlorobiphenyl	0.35	5.1 J	5.1 J		PG/L	TR
BA8BC-WO95-0915-1	L1678771-13	WO	N	2,2',3,5,5',6-HEXACHLOROBIPHENYL	1.1	1.1 J,M	1.1 J	+	PG/L	TR/B1/G4
BA8BC-WO95-0915-1	L1678771-13	WO	N	2,2',3,5'-TETRACHLOROBIPHENYL	0.34	9.1 J,B	9.1 J	+	PG/L	B1

Automated Data Review Detail Report for L1678771

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1668C		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
BA8BC-WO95-0915-1	L1678771-13	WO	N	2,2',4,4',5,5'- HEXACHLOROBIPHENYL/2,3',4 ,4',5',6- HEXACHLOROBIPHENYL	0.16	2.9 J,B	2.9 J	+	PG/L	TR/B1
BA8BC-WO95-0915-1	L1678771-13	WO	N	2,2',4,4',5- PENTACHLOROBIPHENYL	0.42	3.5 J	3.5 J		PG/L	TR
BA8BC-WO95-0915-1	L1678771-13	WO	N	2,2',4,5,5'- PENTACHLOROBIPHENYL	0.38	6.8 J,B	6.8 J	+	PG/L	B1/TR
BA8BC-WO95-0915-1	L1678771-13	WO	N	2,2',4,5'- TETRACHLOROBIPHENYL	4.0	4.0 J,M	4.0 J	+	PG/L	B1/TR/G4
BA8BC-WO95-0915-1	L1678771-13	WO	N	2,2',5,5'- TETRACHLOROBIPHENYL	0.41	8.6 J,B	8.6 J	+	PG/L	B1/TR
BA8BC-WO95-0915-1	L1678771-13	WO	N	2,2',5-TRICHLOROBIPHENYL	0.52	2.5 J	2.5 J	+	PG/L	B1/TR
BA8BC-WO95-0915-1	L1678771-13	WO	N	2,3,3',4,4',5- Hexachlorobiphenyl/2,3,3',4,4',5'- Hexachlorobiphenyl	0.40	0.40 J,M	0.40 J		PG/L	TR/G4
BA8BC-WO95-0915-1	L1678771-13	WO	N	2,3,3',4,4',6- HEXACHLOROBIPHENYL	0.14	0.25 J	0.25 J		PG/L	TR
BA8BC-WO95-0915-1	L1678771-13	WO	N	2,3,3',4,4'- PENTACHLOROBIPHENYL	0.26	2.0 J	2.0 J		PG/L	TR
BA8BC-WO95-0915-1	L1678771-13	WO	N	2,3,3',4',6- PENTACHLOROBIPHENYL	0.32	8.0 J	8.0 J	+	PG/L	B1/TR
BA8BC-WO95-0915-1	L1678771-13	WO	N	2,3',4,4',5- PENTACHLOROBIPHENYL	0.25	5.5 J,B	5.5 J	+	PG/L	B1/TR
BA8BC-WO95-0915-1	L1678771-13	WO	N	2,3',4,4'- TETRACHLOROBIPHENYL	0.38	6.9 J,B	6.9 J	+	PG/L	B1/TR
BA8BC-WO95-0915-1	L1678771-13	WO	N	2,4,4'-TRICHLOROBIPHENYL	0.55	4.8 J	4.8 J	+	PG/L	B1/TR
BA8BC-WO95-0915-1	L1678771-13	WO	N	2,4',5-TRICHLOROBIPHENYL	0.54	3.8 J,B	3.8 J	+	PG/L	B1
BA8BC-WO95-0915-1	L1678771-13	WO	N	3,4,4'-TRICHLOROBIPHENYL	1.1	1.1 J,M	1.1 J		PG/L	TR/G4
BA8BC-WO95-0915-1	L1678771-13	WO	N	PCB061/070/074/076	0.38	9.5 J,B	9.5 J	+	PG/L	TR/B1
BA8B-WO145-0915-1	L1678771-10	WO	N	2,2',3,3',4,4',5,5',6,6'- Decachlorobiphenyl	2.4	1.6 J,B	2.4 U		PG/L	B1
BA8B-WO145-0915-1	L1678771-10	WO	N	2,2',3,3',4,4',5- HEPTACHLOROBIPHENYL	0.38	0.23 J	0.38 U		PG/L	B1
BA8B-WO145-0915-1	L1678771-10	WO	N	2,2',3,3',4,4'- HEXACHLOROBIPHENYL	0.11	0.32 J	0.32 J	+	PG/L	B1/TR

Automated Data Review Detail Report for L1678771

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1668C		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
BA8B-WO145-0915-1	L1678771-10	WO	N	2,2',3,4,4',5,5'-HEPTACHLOROBIPHENYL	0.54	0.54 J,M	0.54 J	+	PG/L	B1/TR/G4
BA8B-WO145-0915-1	L1678771-10	WO	N	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	0.12	2.8 J,B	2.8 J	+	PG/L	B1/TR
BA8B-WO145-0915-1	L1678771-10	WO	N	2,2',3,4',5,5',6-HEPTACHLOROBIPHENYL	0.24	0.39 J	0.39 J		PG/L	B1
BA8B-WO145-0915-1	L1678771-10	WO	N	2,2',3,4',5',6-HEXACHLOROBIPHENYL	0.12	1.9 J,B	1.9 J	+	PG/L	B1/TR
BA8B-WO145-0915-1	L1678771-10	WO	N	2,2',3,4,5'-PENTACHLOROBIPHENYL/2,3',4,4',6-Pentachlorobiphenyl	0.21	3.8 J	3.8 J	+	PG/L	TR/B1
BA8B-WO145-0915-1	L1678771-10	WO	N	2,2',3,5,5',6-HEXACHLOROBIPHENYL	0.86	0.86 J,M	0.86 J	+	PG/L	TR/B1/G4
BA8B-WO145-0915-1	L1678771-10	WO	N	2,2',3,5'-TETRACHLOROBIPHENYL	0.23	7.7 J	7.7 J	+	PG/L	B1/TR
BA8B-WO145-0915-1	L1678771-10	WO	N	2,2',4,4',5,5'-HEXACHLOROBIPHENYL/2,3',4,4',5',6-HEXACHLOROBIPHENYL	0.10	2.2 J,B	2.2 J	+	PG/L	TR/B1
BA8B-WO145-0915-1	L1678771-10	WO	N	2,2',4,4',5-PENTACHLOROBIPHENYL	0.25	2.9 J,B	2.9 J	+	PG/L	B1/TR
BA8B-WO145-0915-1	L1678771-10	WO	N	2,2',4,5,5'-PENTACHLOROBIPHENYL	0.23	4.9 J,B	4.9 J	+	PG/L	B1/TR
BA8B-WO145-0915-1	L1678771-10	WO	N	2,2',4,5'-TETRACHLOROBIPHENYL	0.22	3.5 J,B	3.5 J	+	PG/L	B1/TR
BA8B-WO145-0915-1	L1678771-10	WO	N	2,2',5,5'-TETRACHLOROBIPHENYL	0.28	7.4 J,B	7.4 J	+	PG/L	B1/TR
BA8B-WO145-0915-1	L1678771-10	WO	N	2,2',5-TRICHLOROBIPHENYL	3.6	3.4 J	3.6 U		PG/L	B1
BA8B-WO145-0915-1	L1678771-10	WO	N	2,3,3',4,4',5-Hexachlorobiphenyl/2,3,3',4,4',5'-Hexachlorobiphenyl	0.24	0.24 J,M	0.24 U		PG/L	B1/G4
BA8B-WO145-0915-1	L1678771-10	WO	N	2,3,3',4,4'-PENTACHLOROBIPHENYL	0.21	1.8 J	1.8 J	+	PG/L	B1/TR
BA8B-WO145-0915-1	L1678771-10	WO	N	2,3,3',4',6-PENTACHLOROBIPHENYL	0.19	6.9 J	6.9 J	+	PG/L	B1/TR
BA8B-WO145-0915-1	L1678771-10	WO	N	2,3',4,4',5-PENTACHLOROBIPHENYL	0.20	3.8 J,B	3.8 J	+	PG/L	B1/TR

Automated Data Review Detail Report for L1678771

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1668C		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
BA8B-WO145-0915-1	L1678771-10	WO	N	2,3',4,4'-TETRACHLOROBIPHENYL	0.26	5.1 J,B	5.1 J	+	PG/L	B1/TR
BA8B-WO145-0915-1	L1678771-10	WO	N	2,4,4'-TRICHLOROBIPHENYL	0.28	5.9 J,B	5.9 J	+	PG/L	B1/TR
BA8B-WO145-0915-1	L1678771-10	WO	N	2,4',5-TRICHLOROBIPHENYL	0.27	4.5 J,B	4.5 J	+	PG/L	B1/TR
BA8B-WO145-0915-1	L1678771-10	WO	N	3,4,4'-TRICHLOROBIPHENYL	1.6	1.0 J,B	1.6 U		PG/L	B1
BA8B-WO145-0915-1	L1678771-10	WO	N	PCB061/070/074/076	0.26	8.4 J,B	8.4 J	+	PG/L	TR/B1
BA8B-WO5-0915-1	L1678771-8	WO	N	2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	0.55	4.7 J,B	4.7 J	+	PG/L	TR/B1
BA8B-WO5-0915-1	L1678771-8	WO	N	2,2',3,3',4,4'-HEXACHLOROBIPHENYL	0.27	0.27 J,M	0.27 J	+	PG/L	B1/TR/G4
BA8B-WO5-0915-1	L1678771-8	WO	N	2,2',3,4,4',5,5'-HEPTACHLOROBIPHENYL	0.43	0.43 J,M	0.43 U		PG/L	B1/G4
BA8B-WO5-0915-1	L1678771-8	WO	N	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	1.6	1.4 J,B	1.6 U		PG/L	B1
BA8B-WO5-0915-1	L1678771-8	WO	N	2,2',3,4',5',6-HEXACHLOROBIPHENYL	0.87	0.87 J,M	0.87 U		PG/L	B1/G4
BA8B-WO5-0915-1	L1678771-8	WO	N	2,2',3,4,5'-PENTACHLOROBIPHENYL/2,3',4,4',6-Pentachlorobiphenyl	1.4	1.4 J,M	1.4 J	+	PG/L	TR/B1/G4
BA8B-WO5-0915-1	L1678771-8	WO	N	2,2',3,5,5',6-HEXACHLOROBIPHENYL	0.68	0.64 J,B	0.68 U		PG/L	B1
BA8B-WO5-0915-1	L1678771-8	WO	N	2,2',3,5'-TETRACHLOROBIPHENYL	0.25	4.6 J	0.25 U		PG/L	B1
BA8B-WO5-0915-1	L1678771-8	WO	N	2,2',4,4',5,5'-HEXACHLOROBIPHENYL/2,3',4,4',5',6-HEXACHLOROBIPHENYL	0.13	1.2 J,B	1.2 J	+	PG/L	TR/B1
BA8B-WO5-0915-1	L1678771-8	WO	N	2,2',4,5,5'-PENTACHLOROBIPHENYL	0.27	1.8 J,B	1.8 J	+	PG/L	B1/TR
BA8B-WO5-0915-1	L1678771-8	WO	N	2,2',4,5'-TETRACHLOROBIPHENYL	1.1	1.1 J,M	1.1 U		PG/L	B1/G4
BA8B-WO5-0915-1	L1678771-8	WO	N	2,2',5,5'-TETRACHLOROBIPHENYL	3.6	3.3 J,B	3.6 U		PG/L	B1
BA8B-WO5-0915-1	L1678771-8	WO	N	2,2',5-TRICHLOROBIPHENYL	3.6	2.9 J	3.6 U		PG/L	B1

Automated Data Review Detail Report for L1678771

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1668C		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
BA8B-WO5-0915-1	L1678771-8	WO	N	2,3,3',4,4',5'-Hexachlorobiphenyl/2,3,3',4,4',5'-Hexachlorobiphenyl	0.24	0.24 J,M	0.24 U		PG/L	B1/G4
BA8B-WO5-0915-1	L1678771-8	WO	N	2,3,3',4,4',6-PENTACHLOROBIPHENYL	0.40	0.40 J,M	0.40 U		PG/L	B1/G4
BA8B-WO5-0915-1	L1678771-8	WO	N	2,3,3',4',6-PENTACHLOROBIPHENYL	2.5	2.3 J	2.5 U		PG/L	B1
BA8B-WO5-0915-1	L1678771-8	WO	N	2,3',4,4',5-PENTACHLOROBIPHENYL	1.3	1.2 J,B	1.3 U		PG/L	B1
BA8B-WO5-0915-1	L1678771-8	WO	N	2,3',4,4'-TETRACHLOROBIPHENYL	1.3	1.3 J,B	1.3 U		PG/L	B1
BA8B-WO5-0915-1	L1678771-8	WO	N	2,4,4'-TRICHLOROBIPHENYL	4.6	4.5 J,B	4.6 U		PG/L	B1
BA8B-WO5-0915-1	L1678771-8	WO	N	2,4',5-TRICHLOROBIPHENYL	3.6	3.4 J,B	3.6 U		PG/L	B1
BA8B-WO5-0915-1	L1678771-8	WO	N	3,4,4'-TRICHLOROBIPHENYL	1.6	1.1 J,B	1.6 U		PG/L	B1
BA8B-WO5-0915-1	L1678771-8	WO	N	PCB061/070/074/076	2.8	2.2 J,B	2.8 U		PG/L	B1
BA8B-WO75-0915-1	L1678771-9	WO	N	2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	0.32	2.4 J,B	2.4 J	+	PG/L	TR/B1
BA8B-WO75-0915-1	L1678771-9	WO	N	2,2',3,4,4',5,5'-HEPTACHLOROBIPHENYL	0.53	0.47 J	0.53 U		PG/L	B1
BA8B-WO75-0915-1	L1678771-9	WO	N	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	1.6	1.5 J,B	1.6 U		PG/L	B1
BA8B-WO75-0915-1	L1678771-9	WO	N	2,2',3,4',5,6-HEXACHLOROBIPHENYL	0.19	1.3 J,B	1.3 J	+	PG/L	B1/TR
BA8B-WO75-0915-1	L1678771-9	WO	N	2,2',3,4,5'-PENTACHLOROBIPHENYL/2,3',4,4',6-Pentachlorobiphenyl	1.3	1.3 J,M	1.3 J	+	PG/L	TR/B1/G4
BA8B-WO75-0915-1	L1678771-9	WO	N	2,2',3,5,5',6-HEXACHLOROBIPHENYL	0.68	0.46 J,B	0.68 U		PG/L	B1
BA8B-WO75-0915-1	L1678771-9	WO	N	2,2',3,5'-TETRACHLOROBIPHENYL	0.31	5.0 J	0.31 U		PG/L	B1
BA8B-WO75-0915-1	L1678771-9	WO	N	2,2',4,4',5,5'-HEXACHLOROBIPHENYL/2,3',4,4',5',6-HEXACHLOROBIPHENYL	1.0	1.0 J,M	1.0 U		PG/L	B1/G4
BA8B-WO75-0915-1	L1678771-9	WO	N	2,2',4,4',5-PENTACHLOROBIPHENYL	0.49	1.4 J,B	1.4 J	+	PG/L	B1/TR

Automated Data Review Detail Report for L1678771

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1668C		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
BA8B-WO75-0915-1	L1678771-9	WO	N	2,2',4,5,5'-PENTACHLOROBIPHENYL	0.44	2.0 J,B	2.0 J	+	PG/L	B1/TR
BA8B-WO75-0915-1	L1678771-9	WO	N	2,2',4,5'-TETRACHLOROBIPHENYL	0.29	1.5 J,B	1.5 J	+	PG/L	B1/TR
BA8B-WO75-0915-1	L1678771-9	WO	N	2,2',5,5'-TETRACHLOROBIPHENYL	0.37	4.0 J,B	4.0 J	+	PG/L	B1/TR
BA8B-WO75-0915-1	L1678771-9	WO	N	2,2',5-TRICHLOROBIPHENYL	3.3	3.3 J,M	3.3 U		PG/L	B1/G4
BA8B-WO75-0915-1	L1678771-9	WO	N	2,3,3',4,4',5'-Hexachlorobiphenyl/2,3,3',4,4',5'-Hexachlorobiphenyl	0.22	0.22 J,M	0.22 U		PG/L	B1/G4
BA8B-WO75-0915-1	L1678771-9	WO	N	2,3,3',4,4'-PENTACHLOROBIPHENYL	0.60	0.60 J,M	0.60 J	+	PG/L	B1/TR/G4
BA8B-WO75-0915-1	L1678771-9	WO	N	2,3,3',4',6-PENTACHLOROBIPHENYL	2.5	2.5 J,M	2.5 J	+	PG/L	B1/TR/G4
BA8B-WO75-0915-1	L1678771-9	WO	N	2,3',4,4',5-PENTACHLOROBIPHENYL	1.7	1.7 J,M	1.7 J	+	PG/L	B1/TR/G4
BA8B-WO75-0915-1	L1678771-9	WO	N	2,3',4,4'-TETRACHLOROBIPHENYL	0.29	1.9 J,B	1.9 J	+	PG/L	B1/TR
BA8B-WO75-0915-1	L1678771-9	WO	N	2,4,4'-TRICHLOROBIPHENYL	4.6	4.6 J,M	4.6 J	+	PG/L	B1/TR/G4
BA8B-WO75-0915-1	L1678771-9	WO	N	2,4',5-TRICHLOROBIPHENYL	0.47	3.8 J,B	3.8 J	+	PG/L	B1/TR
BA8B-WO75-0915-1	L1678771-9	WO	N	3,4,4'-TRICHLOROBIPHENYL	1.6	0.86 J,B	1.6 U		PG/L	B1
BA8B-WO75-0915-1	L1678771-9	WO	N	PCB061/070/074/076	0.29	3.2 J,B	3.2 J	+	PG/L	TR/B1
BA8C-WO5-0915-1	L1678771-14	WO	N	2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	1.5	1.5 J	1.5 U		PG/L	B1
BA8C-WO5-0915-1	L1678771-14	WO	N	2,2',3,3',4,4',5-HEPTACHLOROBIPHENYL	0.19	0.19 J,M	0.19 J		PG/L	TR/G4
BA8C-WO5-0915-1	L1678771-14	WO	N	2,2',3,4,4',5,5'-HEPTACHLOROBIPHENYL	0.72	0.43 J,B	0.72 U		PG/L	B1
BA8C-WO5-0915-1	L1678771-14	WO	N	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	1.6	1.2 J,B	1.6 U		PG/L	B1
BA8C-WO5-0915-1	L1678771-14	WO	N	2,2',3,4',5,5',6-HEPTACHLOROBIPHENYL	0.17	0.17 J,M	0.17 U		PG/L	B1/G4
BA8C-WO5-0915-1	L1678771-14	WO	N	2,2',3,4',5',6-HEXACHLOROBIPHENYL	1.4	0.91 J,B	1.4 U		PG/L	B1

Automated Data Review Detail Report for L1678771

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1668C		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
BA8C-WO5-0915-1	L1678771-14	WO	N	2,2',3,4,5'-PENTACHLOROBIPHENYL/2,3',4,4',6-Pentachlorobiphenyl	0.77	0.77 J,M	0.77 J		PG/L	TR/G4
BA8C-WO5-0915-1	L1678771-14	WO	N	2,2',3,5,5',6-HEXACHLOROBIPHENYL	0.20	0.20 J,M	0.20 U		PG/L	B1/G4
BA8C-WO5-0915-1	L1678771-14	WO	N	2,2',3,5'-TETRACHLOROBIPHENYL	4.2	3.4 J,B	4.2 U		PG/L	B1
BA8C-WO5-0915-1	L1678771-14	WO	N	2,2',4,4',5,5'-HEXACHLOROBIPHENYL/2,3',4,4',5,5'-HEXACHLOROBIPHENYL	0.99	0.71 J,B	0.99 U		PG/L	B1
BA8C-WO5-0915-1	L1678771-14	WO	N	2,2',4,4',5-PENTACHLOROBIPHENYL	0.18	0.54 J	0.54 J		PG/L	TR
BA8C-WO5-0915-1	L1678771-14	WO	N	2,2',4,5,5'-PENTACHLOROBIPHENYL	1.6	1.2 J,B	1.6 U		PG/L	B1
BA8C-WO5-0915-1	L1678771-14	WO	N	2,2',4,5'-TETRACHLOROBIPHENYL	0.91	0.67 J	0.91 U		PG/L	B1
BA8C-WO5-0915-1	L1678771-14	WO	N	2,2',5,5'-TETRACHLOROBIPHENYL	2.7	1.8 J,B	2.7 U		PG/L	B1
BA8C-WO5-0915-1	L1678771-14	WO	N	2,2',5-TRICHLOROBIPHENYL	2.0	1.6 J	2.0 U		PG/L	B1
BA8C-WO5-0915-1	L1678771-14	WO	N	2,3,3',4,4',6-HEXACHLOROBIPHENYL	0.080	0.10 J	0.10 J		PG/L	TR
BA8C-WO5-0915-1	L1678771-14	WO	N	2,3,3',4,4'-PENTACHLOROBIPHENYL	0.31	0.31 J,M	0.31 J		PG/L	TR/G4
BA8C-WO5-0915-1	L1678771-14	WO	N	2,3,3',4',6-PENTACHLOROBIPHENYL	0.14	1.5 J	1.5 J	+	PG/L	B1/TR
BA8C-WO5-0915-1	L1678771-14	WO	N	2,3',4,4',5-PENTACHLOROBIPHENYL	1.0	0.83 J,B	1.0 U		PG/L	B1
BA8C-WO5-0915-1	L1678771-14	WO	N	2,3',4,4'-TETRACHLOROBIPHENYL	1.1	0.80 J,B	1.1 U		PG/L	B1
BA8C-WO5-0915-1	L1678771-14	WO	N	2,4,4'-TRICHLOROBIPHENYL	2.6	2.0 J	2.6 U		PG/L	B1
BA8C-WO5-0915-1	L1678771-14	WO	N	2,4',5-TRICHLOROBIPHENYL	2.6	1.6 J,B	2.6 U		PG/L	B1
BA8C-WO5-0915-1	L1678771-14	WO	N	3,4,4'-TRICHLOROBIPHENYL	0.38	0.38 J,M	0.38 J		PG/L	TR/G4
BA8C-WO5-0915-1	L1678771-14	WO	N	PCB061/070/074/076	2.5	1.5 J,B	2.5 U		PG/L	B1
BA8DC-WO20-0915-1	L1678771-16	WO	N	2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	0.096	1.8 J	1.8 J	+	PG/L	TR/B1

Automated Data Review Detail Report for L1678771

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1668C		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
BA8DC-WO20-0915-1	L1678771-16	WO	N	2,2',3,3',4,4',5-HEPTACHLOROBIPHENYL	0.12	0.19 J	0.19 J		PG/L	TR
BA8DC-WO20-0915-1	L1678771-16	WO	N	2,2',3,3',4,4'-HEXACHLOROBIPHENYL	0.22	0.22 J,M	0.22 U		PG/L	B1/G4
BA8DC-WO20-0915-1	L1678771-16	WO	N	2,2',3,3',4,5',6'-HEPTACHLOROBIPHENYL	0.12	0.27 J	0.27 J		PG/L	TR
BA8DC-WO20-0915-1	L1678771-16	WO	N	2,2',3,4,4',5,5'-HEPTACHLOROBIPHENYL	0.72	0.45 J,B	0.72 U		PG/L	B1
BA8DC-WO20-0915-1	L1678771-16	WO	N	2,2',3,4,4',5,6'-HEPTACHLOROBIPHENYL	0.19	0.19 J,M	0.19 J		PG/L	TR/G4
BA8DC-WO20-0915-1	L1678771-16	WO	N	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	0.098	2.5 J,B	2.5 J	+	PG/L	B1/TR
BA8DC-WO20-0915-1	L1678771-16	WO	N	2,2',3,4',5,5',6'-HEPTACHLOROBIPHENYL	0.32	0.30 J	0.32 U		PG/L	B1
BA8DC-WO20-0915-1	L1678771-16	WO	N	2,2',3,4',5,6'-HEXACHLOROBIPHENYL	0.097	2.0 J,B	2.0 J	+	PG/L	B1/TR
BA8DC-WO20-0915-1	L1678771-16	WO	N	2,2',3,4,5'-PENTACHLOROBIPHENYL/2,3',4,4',6-Pentachlorobiphenyl	0.18	2.4 J	2.4 J		PG/L	TR
BA8DC-WO20-0915-1	L1678771-16	WO	N	2,2',3,5,5',6'-HEXACHLOROBIPHENYL	0.10	0.86 J	0.86 J	+	PG/L	TR/B1
BA8DC-WO20-0915-1	L1678771-16	WO	N	2,2',3,5'-TETRACHLOROBIPHENYL	0.13	32.3 B	32.3 J	+	PG/L	B1
BA8DC-WO20-0915-1	L1678771-16	WO	N	2,2',4,4',5,5'-HEXACHLOROBIPHENYL/2,3',4,4',5,6'-HEXACHLOROBIPHENYL	0.080	1.7 J,B	1.7 J	+	PG/L	TR/B1
BA8DC-WO20-0915-1	L1678771-16	WO	N	2,2',4,4',5'-PENTACHLOROBIPHENYL	0.21	1.7 J	1.7 J		PG/L	TR
BA8DC-WO20-0915-1	L1678771-16	WO	N	2,2',4,5,5'-PENTACHLOROBIPHENYL	0.19	3.6 J,B	3.6 J	+	PG/L	B1/TR
BA8DC-WO20-0915-1	L1678771-16	WO	N	2,2',4,5'-TETRACHLOROBIPHENYL	0.12	3.7 J	3.7 J	+	PG/L	B1/TR
BA8DC-WO20-0915-1	L1678771-16	WO	N	2,2',5,5'-TETRACHLOROBIPHENYL	0.15	8.8 J,B	8.8 J	+	PG/L	B1/TR
BA8DC-WO20-0915-1	L1678771-16	WO	N	2,2',5-TRICHLOROBIPHENYL	0.21	5.7 J	5.7 J	+	PG/L	B1/TR

Automated Data Review Detail Report for L1678771

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1668C		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
BA8DC-WO20-0915-1	L1678771-16	WO	N	2,3,3',4,4',5'-Hexachlorobiphenyl/2,3,3',4,4',5'-Hexachlorobiphenyl	0.22	0.22 J,M	0.22 J		PG/L	TR/G4
BA8DC-WO20-0915-1	L1678771-16	WO	N	2,3,3',4,4',6-HEXACHLOROBIPHENYL	0.16	0.16 J,M	0.16 J		PG/L	TR/G4
BA8DC-WO20-0915-1	L1678771-16	WO	N	2,3,3',4,4'-PENTACHLOROBIPHENYL	0.15	0.94 J	0.94 J		PG/L	TR
BA8DC-WO20-0915-1	L1678771-16	WO	N	2,3,3',4',6-PENTACHLOROBIPHENYL	0.16	4.3 J	4.3 J	+	PG/L	B1/TR
BA8DC-WO20-0915-1	L1678771-16	WO	N	2,3',4,4',5-PENTACHLOROBIPHENYL	0.15	2.0 J,B	2.0 J	+	PG/L	B1/TR
BA8DC-WO20-0915-1	L1678771-16	WO	N	2,3',4,4'-TETRACHLOROBIPHENYL	0.14	3.8 J,B	3.8 J	+	PG/L	B1/TR
BA8DC-WO20-0915-1	L1678771-16	WO	N	2,4,4'-TRICHLOROBIPHENYL	0.16	7.6 J	7.6 J	+	PG/L	B1/TR
BA8DC-WO20-0915-1	L1678771-16	WO	N	2,4',5-TRICHLOROBIPHENYL	0.16	5.7 J,B	5.7 J	+	PG/L	B1/TR
BA8DC-WO20-0915-1	L1678771-16	WO	N	2,4'-DICHLOROBIPHENYL	4.7	4.7 J,M	4.7 J		PG/L	TR/G4
BA8DC-WO20-0915-1	L1678771-16	WO	N	3,3',4,4'-TETRACHLOROBIPHENYL	0.14	0.43 J	0.43 J		PG/L	TR
BA8DC-WO20-0915-1	L1678771-16	WO	N	3,4,4'-TRICHLOROBIPHENYL	0.17	1.5 J	1.5 J		PG/L	TR
BA8DC-WO20-0915-1	L1678771-16	WO	N	PCB061/070/074/076	0.14	6.4 J,B	6.4 J	+	PG/L	TR
BA8DC-WO35-0915-1	L1678771-17	WO	N	2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	0.13	2.1 J	2.1 J	+	PG/L	TR/B1
BA8DC-WO35-0915-1	L1678771-17	WO	N	2,2',3,3',4,4',5-HEPTACHLOROBIPHENYL	0.17	0.22 J	0.22 J		PG/L	TR
BA8DC-WO35-0915-1	L1678771-17	WO	N	2,2',3,3',4,4'-HEXACHLOROBIPHENYL	0.33	0.33 J,M	0.33 J	+	PG/L	B1/TR/G4
BA8DC-WO35-0915-1	L1678771-17	WO	N	2,2',3,4,4',5,5'-HEPTACHLOROBIPHENYL	0.50	0.50 J,M	0.50 U		PG/L	B1/G4
BA8DC-WO35-0915-1	L1678771-17	WO	N	2,2',3,4,4',5,6-HEPTACHLOROBIPHENYL	0.19	0.19 J,M	0.19 J		PG/L	TR/G4
BA8DC-WO35-0915-1	L1678771-17	WO	N	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	0.14	2.6 J,B	2.6 J	+	PG/L	B1/TR
BA8DC-WO35-0915-1	L1678771-17	WO	N	2,2',3,4',5,5',6-HEPTACHLOROBIPHENYL	0.32	0.31 J	0.32 U		PG/L	B1
BA8DC-WO35-0915-1	L1678771-17	WO	N	2,2',3,4',5',6-HEXACHLOROBIPHENYL	0.14	1.8 J,B	1.8 J	+	PG/L	B1/TR

Automated Data Review Detail Report for L1678771

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1668C		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
BA8DC-WO35-0915-1	L1678771-17	WO	N	2,2',3,4,5'-PENTACHLOROBIPHENYL/2,3',4,4',6-Pentachlorobiphenyl	0.20	2.9 J	2.9 J		PG/L	TR
BA8DC-WO35-0915-1	L1678771-17	WO	N	2,2',3,5,5',6-HEXACHLOROBIPHENYL	0.59	0.59 J,M	0.59 J	+	PG/L	TR/B1/G4
BA8DC-WO35-0915-1	L1678771-17	WO	N	2,2',3,5'-TETRACHLOROBIPHENYL	0.18	8.5 J,B	8.5 J	+	PG/L	B1/TR
BA8DC-WO35-0915-1	L1678771-17	WO	N	2,2',4,4',5,5'-HEXACHLOROBIPHENYL/2,3',4,4',5,6-HEXACHLOROBIPHENYL	1.7	1.7 J,M	1.7 J	+	PG/L	TR/B1/G4
BA8DC-WO35-0915-1	L1678771-17	WO	N	2,2',4,4',5-PENTACHLOROBIPHENYL	0.23	2.6 J	2.6 J		PG/L	TR
BA8DC-WO35-0915-1	L1678771-17	WO	N	2,2',4,5,5'-PENTACHLOROBIPHENYL	0.21	4.2 J,B	4.2 J	+	PG/L	B1/TR
BA8DC-WO35-0915-1	L1678771-17	WO	N	2,2',4,5'-TETRACHLOROBIPHENYL	0.17	3.5 J	3.5 J	+	PG/L	B1/TR
BA8DC-WO35-0915-1	L1678771-17	WO	N	2,2',5,5'-TETRACHLOROBIPHENYL	0.20	6.6 J,B	6.6 J	+	PG/L	B1/TR
BA8DC-WO35-0915-1	L1678771-17	WO	N	2,2',5-TRICHLOROBIPHENYL	0.26	4.1 J	4.1 J	+	PG/L	B1/TR
BA8DC-WO35-0915-1	L1678771-17	WO	N	2,3,3',4,4',5'-Hexachlorobiphenyl/2,3,3',4,4',5'-Hexachlorobiphenyl	0.14	0.31 J	0.31 J		PG/L	TR
BA8DC-WO35-0915-1	L1678771-17	WO	N	2,3,3',4,4',6-HEXACHLOROBIPHENYL	0.099	0.19 J	0.19 J		PG/L	TR
BA8DC-WO35-0915-1	L1678771-17	WO	N	2,3,3',4,4'-PENTACHLOROBIPHENYL	0.29	1.1 J	1.1 J		PG/L	TR
BA8DC-WO35-0915-1	L1678771-17	WO	N	2,3,3',4',6-PENTACHLOROBIPHENYL	0.18	5.4 J	5.4 J	+	PG/L	B1/TR
BA8DC-WO35-0915-1	L1678771-17	WO	N	2,3',4,4',5-PENTACHLOROBIPHENYL	2.7	2.7 J,M	2.7 J	+	PG/L	B1/TR/G4
BA8DC-WO35-0915-1	L1678771-17	WO	N	2,3',4,4'-TETRACHLOROBIPHENYL	0.20	4.6 J,B	4.6 J	+	PG/L	B1/TR
BA8DC-WO35-0915-1	L1678771-17	WO	N	2,4,4'-TRICHLOROBIPHENYL	0.22	6.8 J	6.8 J	+	PG/L	B1/TR
BA8DC-WO35-0915-1	L1678771-17	WO	N	2,4',5-TRICHLOROBIPHENYL	0.22	4.9 J,B	4.9 J	+	PG/L	B1/TR
BA8DC-WO35-0915-1	L1678771-17	WO	N	2,4'-DICHLOROBIPHENYL	3.4	3.4 J,M	3.4 J		PG/L	TR/G4

Automated Data Review Detail Report for L1678771

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1668C		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
BA8DC-WO35-0915-1	L1678771-17	WO	N	3,3',4,4'-TETRACHLOROBIPHENYL	0.19	0.31 J	0.31 J		PG/L	TR
BA8DC-WO35-0915-1	L1678771-17	WO	N	3,4,4'-TRICHLOROBIPHENYL	1.1	1.1 J,M	1.1 J		PG/L	TR/G4
BA8DC-WO35-0915-1	L1678771-17	WO	N	PCB061/070/074/076	0.19	7.1 J,B	7.1 J	+	PG/L	TR/B1
BA8DC-WO38-0915-1	L1678771-18	WO	N	2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	0.17	2.3 J	2.3 J	+	PG/L	TR/B1
BA8DC-WO38-0915-1	L1678771-18	WO	N	2,2',3,3',4,4'-HEXACHLOROBIPHENYL	0.31	0.31 J,M	0.31 J	+	PG/L	B1/TR/G4
BA8DC-WO38-0915-1	L1678771-18	WO	N	2,2',3,4,4',5,5'-HEPTACHLOROBIPHENYL	0.55	0.55 J,M	0.55 U		PG/L	B1/G4
BA8DC-WO38-0915-1	L1678771-18	WO	N	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	0.29	2.5 J,B	2.5 J	+	PG/L	B1/TR
BA8DC-WO38-0915-1	L1678771-18	WO	N	2,2',3,4',5,5',6-HEPTACHLOROBIPHENYL	0.29	0.69 J	0.69 J	+	PG/L	B1/TR
BA8DC-WO38-0915-1	L1678771-18	WO	N	2,2',3,4',5,6-HEXACHLOROBIPHENYL	0.29	1.8 J,B	1.8 J	+	PG/L	B1/TR
BA8DC-WO38-0915-1	L1678771-18	WO	N	2,2',3,4,5'-PENTACHLOROBIPHENYL/2,3',4,4',6-Pentachlorobiphenyl	0.46	3.5 J	3.5 J		PG/L	TR
BA8DC-WO38-0915-1	L1678771-18	WO	N	2,2',3,5,5',6-HEXACHLOROBIPHENYL	0.22	1.1 J	1.1 J	+	PG/L	TR/B1
BA8DC-WO38-0915-1	L1678771-18	WO	N	2,2',3,5'-TETRACHLOROBIPHENYL	0.45	6.5 J,B	6.5 J	+	PG/L	B1/TR
BA8DC-WO38-0915-1	L1678771-18	WO	N	2,2',4,4',5,5'-HEXACHLOROBIPHENYL/2,3',4,4',5,6-HEXACHLOROBIPHENYL	0.24	2.0 J,B	2.0 J	+	PG/L	TR/B1
BA8DC-WO38-0915-1	L1678771-18	WO	N	2,2',4,4',5-PENTACHLOROBIPHENYL	0.55	2.8 J	2.8 J		PG/L	TR
BA8DC-WO38-0915-1	L1678771-18	WO	N	2,2',4,5,5'-PENTACHLOROBIPHENYL	0.50	4.0 J,B	4.0 J	+	PG/L	B1/TR
BA8DC-WO38-0915-1	L1678771-18	WO	N	2,2',4,5'-TETRACHLOROBIPHENYL	3.1	3.1 J,M	3.1 J	+	PG/L	B1/TR/G4
BA8DC-WO38-0915-1	L1678771-18	WO	N	2,2',5,5'-TETRACHLOROBIPHENYL	0.51	6.2 J,B	6.2 J	+	PG/L	B1/TR
BA8DC-WO38-0915-1	L1678771-18	WO	N	2,2',5-TRICHLOROBIPHENYL	0.50	3.4 J	3.4 J	+	PG/L	B1/TR

Automated Data Review Detail Report for L1678771

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1668C		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
BA8DC-WO38-0915-1	L1678771-18	WO	N	2,3,3',4,4',5'-Hexachlorobiphenyl/2,3,3',4,4',5'-Hexachlorobiphenyl	0.29	0.36 J	0.36 J		PG/L	TR
BA8DC-WO38-0915-1	L1678771-18	WO	N	2,3,3',4,4',6-PENTACHLOROBIPHENYL	0.41	1.8 J	1.8 J		PG/L	TR
BA8DC-WO38-0915-1	L1678771-18	WO	N	2,3,3',4',6-PENTACHLOROBIPHENYL	0.43	6.4 J	6.4 J	+	PG/L	B1/TR
BA8DC-WO38-0915-1	L1678771-18	WO	N	2,3',4,4',5-PENTACHLOROBIPHENYL	3.1	3.1 J,M	3.1 J	+	PG/L	B1/TR/G4
BA8DC-WO38-0915-1	L1678771-18	WO	N	2,3',4,4',6-TETRACHLOROBIPHENYL	0.46	4.6 J,B	4.6 J	+	PG/L	B1/TR
BA8DC-WO38-0915-1	L1678771-18	WO	N	2,4,4'-TRICHLOROBIPHENYL	0.51	5.5 J	5.5 J	+	PG/L	B1/TR
BA8DC-WO38-0915-1	L1678771-18	WO	N	2,4',5-TRICHLOROBIPHENYL	0.51	4.1 J,B	4.1 J	+	PG/L	B1/TR
BA8DC-WO38-0915-1	L1678771-18	WO	N	3,4,4'-TRICHLOROBIPHENYL	0.63	1.3 J	1.3 J		PG/L	TR
BA8DC-WO38-0915-1	L1678771-18	WO	N	PCB061/070/074/076	0.45	6.8 J,B	6.8 J	+	PG/L	TR/B1
BA8DC-WO5-0915-1	L1678771-15	WO	N	2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	0.13	2.3 J	2.3 J	+	PG/L	TR/B1
BA8DC-WO5-0915-1	L1678771-15	WO	N	2,2',3,3',4,4'-HEXACHLOROBIPHENYL	0.34	0.34 J,M	0.34 J	+	PG/L	B1/TR/G4
BA8DC-WO5-0915-1	L1678771-15	WO	N	2,2',3,4,4',5,5'-HEPTACHLOROBIPHENYL	0.59	0.59 J,M	0.59 U		PG/L	B1/G4
BA8DC-WO5-0915-1	L1678771-15	WO	N	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	1.6	1.1 J,B	1.6 U		PG/L	B1
BA8DC-WO5-0915-1	L1678771-15	WO	N	2,2',3,4',5,5',6-HEPTACHLOROBIPHENYL	0.25	0.25 J,M	0.25 U		PG/L	B1/G4
BA8DC-WO5-0915-1	L1678771-15	WO	N	2,2',3,4',5',6-HEXACHLOROBIPHENYL	1.4	0.86 J,B	1.4 U		PG/L	B1
BA8DC-WO5-0915-1	L1678771-15	WO	N	2,2',3,4,5'-PENTACHLOROBIPHENYL/2,3',4,4',6-Pentachlorobiphenyl	1.1	1.1 J,M	1.1 J		PG/L	TR/G4
BA8DC-WO5-0915-1	L1678771-15	WO	N	2,2',3,5,5',6-HEXACHLOROBIPHENYL	0.30	0.30 J,M	0.30 U		PG/L	B1/G4
BA8DC-WO5-0915-1	L1678771-15	WO	N	2,2',3,5'-TETRACHLOROBIPHENYL	3.0	3.0 J,M	3.0 U		PG/L	B1/G4

Automated Data Review Detail Report for L1678771

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1668C		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
BA8DC-WO5-0915-1	L1678771-15	WO	N	2,2',4,4',5,5'- HEXACHLOROBIPHENYL/2,3',4 ,4',5',6- HEXACHLOROBIPHENYL	0.74	0.74 J,M	0.74 U		PG/L	B1/G4
BA8DC-WO5-0915-1	L1678771-15	WO	N	2,2',4,5,5'- PENTACHLOROBIPHENYL	1.1	1.1 J,M	1.1 U		PG/L	B1/G4
BA8DC-WO5-0915-1	L1678771-15	WO	N	2,2',4,5'- TETRACHLOROBIPHENYL	0.70	0.70 J,M	0.70 U		PG/L	B1/G4
BA8DC-WO5-0915-1	L1678771-15	WO	N	2,2',5,5'- TETRACHLOROBIPHENYL	2.7	1.9 J,B	2.7 U		PG/L	B1
BA8DC-WO5-0915-1	L1678771-15	WO	N	2,2',5-TRICHLOROBIPHENYL	2.0	2.0 J	2.0 U		PG/L	B1
BA8DC-WO5-0915-1	L1678771-15	WO	N	2,3,3',4,4',5'- Hexachlorobiphenyl/2,3,3',4,4',5'- Hexachlorobiphenyl	0.17	0.42 J	0.42 J		PG/L	TR
BA8DC-WO5-0915-1	L1678771-15	WO	N	2,3,3',4,4'- PENTACHLOROBIPHENYL	0.53	0.53 J,M	0.53 J		PG/L	TR/G4
BA8DC-WO5-0915-1	L1678771-15	WO	N	2,3,3',4',6- PENTACHLOROBIPHENYL	1.9	1.9 J,M	1.9 J	+	PG/L	B1/TR/G4
BA8DC-WO5-0915-1	L1678771-15	WO	N	2,3',4,4',5,5'- HEXACHLOROBIPHENYL	0.14	0.14 J,M	0.14 J		PG/L	TR/G4
BA8DC-WO5-0915-1	L1678771-15	WO	N	2,3',4,4',5- PENTACHLOROBIPHENYL	1.0	0.90 J,B	1.0 U		PG/L	B1
BA8DC-WO5-0915-1	L1678771-15	WO	N	2,3',4,4'- TETRACHLOROBIPHENYL	0.23	1.3 J,B	1.3 J	+	PG/L	B1/TR
BA8DC-WO5-0915-1	L1678771-15	WO	N	2,4,4'-TRICHLOROBIPHENYL	0.30	2.8 J	2.8 J	+	PG/L	B1/TR
BA8DC-WO5-0915-1	L1678771-15	WO	N	2,4',5-TRICHLOROBIPHENYL	2.6	2.2 J,B	2.6 U		PG/L	B1
BA8DC-WO5-0915-1	L1678771-15	WO	N	3,3',4,4',5,5'- HEXACHLOROBIPHENYL	0.13	0.31 M,J,1.	0.31 J		PG/L	TR
BA8DC-WO5-0915-1	L1678771-15	WO	N	3,3',4,4'- TETRACHLOROBIPHENYL	0.32	0.32 J,M	0.32 J		PG/L	TR/G4
BA8DC-WO5-0915-1	L1678771-15	WO	N	3,4,4',5- TETRACHLOROBIPHENYL	0.25	0.30 J	0.30 J		PG/L	TR
BA8DC-WO5-0915-1	L1678771-15	WO	N	3,4,4'-TRICHLOROBIPHENYL	1.1	1.1 J,M	1.1 J		PG/L	TR/G4
BA8DC-WO5-0915-1	L1678771-15	WO	N	PCB061/070/074/076	0.23	2.6 J,B	2.6 J	+	PG/L	TR/B1
BA9BC-WO50-0915-1	L1678771-23	WO	N	2,2',3,3',4,4',5,5',6,6'- Decachlorobiphenyl	0.20	2.0 J	2.0 J	+	PG/L	TR/B1

Automated Data Review Detail Report for L1678771

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1668C		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
BA9BC-WO50-0915-1	L1678771-23	WO	N	2,2',3,3',4,4',5-HEPTACHLOROBIPHENYL	0.29	0.29 J,M	0.29 J		PG/L	TR/G4
BA9BC-WO50-0915-1	L1678771-23	WO	N	2,2',3,4,4',5,5'-HEPTACHLOROBIPHENYL	0.72	0.43 J,B	0.72 U		PG/L	B1
BA9BC-WO50-0915-1	L1678771-23	WO	N	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	1.6	1.2 J,B	1.6 U		PG/L	B1
BA9BC-WO50-0915-1	L1678771-23	WO	N	2,2',3,4',5',6-HEXACHLOROBIPHENYL	1.4	0.88 J,B	1.4 U		PG/L	B1
BA9BC-WO50-0915-1	L1678771-23	WO	N	2,2',3,4,5'-PENTACHLOROBIPHENYL/2,3',4,4',6-Pentachlorobiphenyl	0.56	0.56 J,M	0.56 J		PG/L	TR/G4
BA9BC-WO50-0915-1	L1678771-23	WO	N	2,2',3,5,5',6-HEXACHLOROBIPHENYL	0.20	0.20 J,M	0.20 U		PG/L	B1/G4
BA9BC-WO50-0915-1	L1678771-23	WO	N	2,2',3,5'-TETRACHLOROBIPHENYL	4.2	3.3 J,B	4.2 U		PG/L	B1
BA9BC-WO50-0915-1	L1678771-23	WO	N	2,2',4,4',5,5'-HEXACHLOROBIPHENYL/2,3',4,4',5',6-HEXACHLOROBIPHENYL	0.76	0.76 J,M	0.76 U		PG/L	B1/G4
BA9BC-WO50-0915-1	L1678771-23	WO	N	2,2',4,4',5-PENTACHLOROBIPHENYL	0.32	0.78 J	0.78 J		PG/L	TR
BA9BC-WO50-0915-1	L1678771-23	WO	N	2,2',4,5,5'-PENTACHLOROBIPHENYL	1.0	1.0 J,M	1.0 U		PG/L	B1/G4
BA9BC-WO50-0915-1	L1678771-23	WO	N	2,2',4,5'-TETRACHLOROBIPHENYL	0.40	0.93 J,M	0.93 J	+	PG/L	B1/G4/TR
BA9BC-WO50-0915-1	L1678771-23	WO	N	2,2',5,5'-TETRACHLOROBIPHENYL	0.48	2.7 J,B	2.7 J	+	PG/L	B1/TR
BA9BC-WO50-0915-1	L1678771-23	WO	N	2,2',5-TRICHLOROBIPHENYL	2.0	2.0 J,M	2.0 J	+	PG/L	B1/TR/G4
BA9BC-WO50-0915-1	L1678771-23	WO	N	2,3,3',4,4'-PENTACHLOROBIPHENYL	0.27	0.27 J,M	0.27 J		PG/L	TR/G4
BA9BC-WO50-0915-1	L1678771-23	WO	N	2,3,3',4',6-PENTACHLOROBIPHENYL	1.4	1.4 J,M	1.4 J	+	PG/L	B1/TR/TR/G4
BA9BC-WO50-0915-1	L1678771-23	WO	N	2,3',4,4',5-PENTACHLOROBIPHENYL	0.73	0.73 J,M	0.73 U		PG/L	B1/G4
BA9BC-WO50-0915-1	L1678771-23	WO	N	2,3',4,4'-TETRACHLOROBIPHENYL	1.5	1.5 J,M	1.5 J	+	PG/L	B1/TR/G4
BA9BC-WO50-0915-1	L1678771-23	WO	N	2,4,4'-TRICHLOROBIPHENYL	0.45	3.9 J	3.9 J	+	PG/L	B1/TR

Automated Data Review Detail Report for L1678771

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1668C		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
BA9BC-WO50-0915-1	L1678771-23	WO	N	2,4',5-TRICHLOROBIPHENYL	0.45	3.3 J,B	3.3 J	+	PG/L	B1/TR
BA9BC-WO50-0915-1	L1678771-23	WO	N	2,4'-DICHLOBIPHENYL	2.6	2.6 J,M	2.6 J		PG/L	TR/G4
BA9BC-WO50-0915-1	L1678771-23	WO	N	3,4,4'-TRICHLOROBIPHENYL	0.66	0.66 J,M	0.66 J		PG/L	TR/G4
BA9BC-WO50-0915-1	L1678771-23	WO	N	PCB061/070/074/076	0.35	2.6 J,B	2.6 J	+	PG/L	TR/B1
BA9BC-WO5-0915-1	L1678771-22	WO	N	2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	0.067	1.6 J	1.6 J	+	PG/L	TR/B1
BA9BC-WO5-0915-1	L1678771-22	WO	N	2,2',3,4,4',5,5'-HEPTACHLOROBIPHENYL	0.21	0.21 J,M	0.21 U		PG/L	B1/G4
BA9BC-WO5-0915-1	L1678771-22	WO	N	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	1.6	0.61 J,B	1.6 U		PG/L	B1
BA9BC-WO5-0915-1	L1678771-22	WO	N	2,2',3,4',5,6-HEXACHLOROBIPHENYL	0.49	0.49 J,M	0.49 U		PG/L	B1/G4
BA9BC-WO5-0915-1	L1678771-22	WO	N	2,2',3,4,5'-PENTACHLOROBIPHENYL/2,3',4,4',6-Pentachlorobiphenyl	0.73	0.73 J,M	0.73 J		PG/L	TR/G4
BA9BC-WO5-0915-1	L1678771-22	WO	N	2,2',3,5,5',6-HEXACHLOROBIPHENYL	0.40	0.31 J	0.40 U		PG/L	B1
BA9BC-WO5-0915-1	L1678771-22	WO	N	2,2',3,5'-TETRACHLOROBIPHENYL	0.14	6.0 J,B	6.0 J	+	PG/L	B1/TR
BA9BC-WO5-0915-1	L1678771-22	WO	N	2,2',4,4',5,5'-HEXACHLOROBIPHENYL/2,3',4,4',5,6-HEXACHLOROBIPHENYL	0.49	0.49 J,M	0.49 U		PG/L	B1/G4
BA9BC-WO5-0915-1	L1678771-22	WO	N	2,2',4,4',5-PENTACHLOROBIPHENYL	0.19	0.47 J	0.47 J		PG/L	TR
BA9BC-WO5-0915-1	L1678771-22	WO	N	2,2',4,5,5'-PENTACHLOROBIPHENYL	1.0	1.0 J,M	1.0 U		PG/L	B1/G4
BA9BC-WO5-0915-1	L1678771-22	WO	N	2,2',4,5'-TETRACHLOROBIPHENYL	0.13	1.0 J	1.0 J	+	PG/L	B1/TR
BA9BC-WO5-0915-1	L1678771-22	WO	N	2,2',5,5'-TETRACHLOROBIPHENYL	2.7	2.6 J,B	2.7 U		PG/L	B1
BA9BC-WO5-0915-1	L1678771-22	WO	N	2,2',5-TRICHLOROBIPHENYL	0.17	2.3 J	2.3 J	+	PG/L	B1/TR
BA9BC-WO5-0915-1	L1678771-22	WO	N	2,3,3',4,4'-PENTACHLOROBIPHENYL	0.11	0.32 J	0.32 J		PG/L	TR
BA9BC-WO5-0915-1	L1678771-22	WO	N	2,3,3',4',6-PENTACHLOROBIPHENYL	0.15	1.5 J	1.5 J	+	PG/L	B1/TR

Automated Data Review Detail Report for L1678771

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1668C		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
BA9BC-WO5-0915-1	L1678771-22	WO	N	2,3',4,4',5-PENTACHLOROBIPHENYL	0.56	0.56 J,M	0.56 U		PG/L	B1/G4
BA9BC-WO5-0915-1	L1678771-22	WO	N	2,3',4,4'-TETRACHLOROBIPHENYL	0.78	0.78 J,M	0.78 U		PG/L	B1/G4
BA9BC-WO5-0915-1	L1678771-22	WO	N	2,4,4'-TRICHLOROBIPHENYL	0.15	2.7 J	2.7 J	+	PG/L	B1/TR
BA9BC-WO5-0915-1	L1678771-22	WO	N	2,4',5-TRICHLOROBIPHENYL	2.6	2.3 J,B	2.6 U		PG/L	B1
BA9BC-WO5-0915-1	L1678771-22	WO	N	2,4'-DICHLOROBIPHENYL	0.40	2.3 J	2.3 J		PG/L	TR
BA9BC-WO5-0915-1	L1678771-22	WO	N	3,4,4'-TRICHLOROBIPHENYL	0.16	0.63 J	0.63 J		PG/L	TR
BA9BC-WO5-0915-1	L1678771-22	WO	N	PCB061/070/074/076	1.8	1.8 J,M	1.8 U		PG/L	B1/G4
BA9BC-WO95-0915-1	L1678771-24	WO	N	2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	0.11	1.7 J	1.7 J	+	PG/L	TR/B1
BA9BC-WO95-0915-1	L1678771-24	WO	N	2,2',3,3',4,4'-HEXACHLOROBIPHENYL	0.15	0.31 J,B	0.31 J	+	PG/L	B1/TR
BA9BC-WO95-0915-1	L1678771-24	WO	N	2,2',3,4,4',5,5',6-OCTACHLOROBIPHENYL	0.10	0.10 J,M	0.10 J		PG/L	TR/G4
BA9BC-WO95-0915-1	L1678771-24	WO	N	2,2',3,4,4',5,5'-HEPTACHLOROBIPHENYL	0.32	0.32 J,M	0.32 U		PG/L	B1/G4
BA9BC-WO95-0915-1	L1678771-24	WO	N	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	0.16	1.7 J,B	1.7 J	+	PG/L	B1/TR
BA9BC-WO95-0915-1	L1678771-24	WO	N	2,2',3,4',5,5',6-HEPTACHLOROBIPHENYL	0.24	0.24 J,M	0.24 U		PG/L	B1/G4
BA9BC-WO95-0915-1	L1678771-24	WO	N	2,2',3,4',5',6-HEXACHLOROBIPHENYL	1.1	1.1 J,M	1.1 U		PG/L	B1/G4
BA9BC-WO95-0915-1	L1678771-24	WO	N	2,2',3,4,5'-PENTACHLOROBIPHENYL/2,3',4,4',6-Pentachlorobiphenyl	0.18	1.8 J	1.8 J		PG/L	TR
BA9BC-WO95-0915-1	L1678771-24	WO	N	2,2',3,5,5',6-HEXACHLOROBIPHENYL	0.36	0.36 J,M	0.36 U		PG/L	B1/G4
BA9BC-WO95-0915-1	L1678771-24	WO	N	2,2',3,5'-TETRACHLOROBIPHENYL	4.2	3.5 J,B	4.2 U		PG/L	B1
BA9BC-WO95-0915-1	L1678771-24	WO	N	2,2',4,4',5,5'-HEXACHLOROBIPHENYL/2,3',4,4',5',6-HEXACHLOROBIPHENYL	0.13	1.1 J,B	1.1 J	+	PG/L	TR/B1
BA9BC-WO95-0915-1	L1678771-24	WO	N	2,2',4,4',5-PENTACHLOROBIPHENYL	0.21	1.4 J	1.4 J		PG/L	TR

Automated Data Review Detail Report for L1678771

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1668C		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
BA9BC-WO95-0915-1	L1678771-24	WO	N	2,2',4,5,5'-PENTACHLOROBIPHENYL	2.1	2.1 J,M	2.1 J	+	PG/L	B1/TR/G4
BA9BC-WO95-0915-1	L1678771-24	WO	N	2,2',4,5'-TETRACHLOROBIPHENYL	0.17	1.5 J	1.5 J	+	PG/L	B1/TR
BA9BC-WO95-0915-1	L1678771-24	WO	N	2,2',5,5'-TETRACHLOROBIPHENYL	0.20	3.3 J,B	3.3 J	+	PG/L	B1/TR
BA9BC-WO95-0915-1	L1678771-24	WO	N	2,2',5-TRICHLOROBIPHENYL	0.21	2.3 J	2.3 J	+	PG/L	B1/TR
BA9BC-WO95-0915-1	L1678771-24	WO	N	2,3,3',4,4'-PENTACHLOROBIPHENYL	0.64	0.64 J,M	0.64 J		PG/L	TR/G4
BA9BC-WO95-0915-1	L1678771-24	WO	N	2,3,3',4',6-PENTACHLOROBIPHENYL	0.16	3.6 J	3.6 J	+	PG/L	B1/TR
BA9BC-WO95-0915-1	L1678771-24	WO	N	2,3',4,4',5-PENTACHLOROBIPHENYL	0.20	2.1 J,B	2.1 J	+	PG/L	B1/TR
BA9BC-WO95-0915-1	L1678771-24	WO	N	2,3',4,4'-TETRACHLOROBIPHENYL	0.20	2.6 J,B	2.6 J	+	PG/L	B1/TR
BA9BC-WO95-0915-1	L1678771-24	WO	N	2,4,4'-TRICHLOROBIPHENYL	0.26	3.5 J	3.5 J	+	PG/L	B1/TR
BA9BC-WO95-0915-1	L1678771-24	WO	N	2,4',5-TRICHLOROBIPHENYL	2.6	2.5 J,B	2.6 U		PG/L	B1
BA9BC-WO95-0915-1	L1678771-24	WO	N	2,4'-DICHLOROBIPHENYL	0.55	2.2 J	2.2 J		PG/L	TR
BA9BC-WO95-0915-1	L1678771-24	WO	N	3,4,4'-TRICHLOROBIPHENYL	0.53	0.53 J,M	0.53 J		PG/L	TR/G4
BA9BC-WO95-0915-1	L1678771-24	WO	N	PCB061/070/074/076	0.19	3.5 J,B	3.5 J	+	PG/L	TR/B1
BA9B-WO145-0915-1	L1678771-21	WO	N	2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	0.098	1.9 J	1.9 J	+	PG/L	TR/B1
BA9B-WO145-0915-1	L1678771-21	WO	N	2,2',3,3',4,4',5-HEPTACHLOROBIPHENYL	0.17	0.20 J	0.20 J		PG/L	TR
BA9B-WO145-0915-1	L1678771-21	WO	N	2,2',3,3',4,4'-HEXACHLOROBIPHENYL	0.18	0.18 J,M	0.18 U		PG/L	B1/G4
BA9B-WO145-0915-1	L1678771-21	WO	N	2,2',3,4,4',5,5'-HEPTACHLOROBIPHENYL	0.38	0.38 J,M	0.38 U		PG/L	B1/G4
BA9B-WO145-0915-1	L1678771-21	WO	N	2,2',3,4,4',5,6-HEPTACHLOROBIPHENYL	0.14	0.19 J	0.19 J		PG/L	TR
BA9B-WO145-0915-1	L1678771-21	WO	N	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	0.13	2.0 J,B	2.0 J	+	PG/L	B1/TR
BA9B-WO145-0915-1	L1678771-21	WO	N	2,2',3,4',5,5',6-HEPTACHLOROBIPHENYL	0.19	0.19 J,M	0.19 U		PG/L	B1/G4

Automated Data Review Detail Report for L1678771

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1668C		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
BA9B-WO145-0915-1	L1678771-21	WO	N	2,2',3,4',5',6- HEXACHLOROBIPHENYL	1.3	1.3 J,M	1.3 U		PG/L	B1/G4
BA9B-WO145-0915-1	L1678771-21	WO	N	2,2',3,4,5'- PENTACHLOROBIPHENYL/2,3', 4,4',6-Pentachlorobiphenyl	2.4	2.4 J,M	2.4 J		PG/L	TR/G4
BA9B-WO145-0915-1	L1678771-21	WO	N	2,2',3,5,5',6- HEXACHLOROBIPHENYL	0.64	0.64 J,M	0.64 J	+	PG/L	TR/B1/G4
BA9B-WO145-0915-1	L1678771-21	WO	N	2,2',3,5'- TETRACHLOROBIPHENYL	0.17	9.3 J,B	9.3 J	+	PG/L	B1/TR
BA9B-WO145-0915-1	L1678771-21	WO	N	2,2',4,4',5,5'- HEXACHLOROBIPHENYL/2,3',4 ,4',5',6- HEXACHLOROBIPHENYL	0.11	1.5 J,B	1.5 J	+	PG/L	TR/B1
BA9B-WO145-0915-1	L1678771-21	WO	N	2,2',4,4',5- PENTACHLOROBIPHENYL	0.25	2.0 J	2.0 J		PG/L	TR
BA9B-WO145-0915-1	L1678771-21	WO	N	2,2',4,5,5'- PENTACHLOROBIPHENYL	0.23	3.7 J,B	3.7 J	+	PG/L	B1/TR
BA9B-WO145-0915-1	L1678771-21	WO	N	2,2',4,5'- TETRACHLOROBIPHENYL	0.16	3.0 J	3.0 J	+	PG/L	B1/TR
BA9B-WO145-0915-1	L1678771-21	WO	N	2,2',5,5'- TETRACHLOROBIPHENYL	0.19	6.3 J,B	6.3 J	+	PG/L	B1/TR
BA9B-WO145-0915-1	L1678771-21	WO	N	2,2',5-TRICHLOROBIPHENYL	0.25	3.1 J	3.1 J	+	PG/L	B1/TR
BA9B-WO145-0915-1	L1678771-21	WO	N	2,3,3',4,4',6- HEXACHLOROBIPHENYL	0.094	0.22 J	0.22 J		PG/L	TR
BA9B-WO145-0915-1	L1678771-21	WO	N	2,3,3',4,4'- PENTACHLOROBIPHENYL	0.18	1.2 J	1.2 J		PG/L	TR
BA9B-WO145-0915-1	L1678771-21	WO	N	2,3,3',4',6- PENTACHLOROBIPHENYL	0.20	4.7 J	4.7 J	+	PG/L	B1/TR
BA9B-WO145-0915-1	L1678771-21	WO	N	2,3',4,4',5- PENTACHLOROBIPHENYL	0.18	2.6 J,B	2.6 J	+	PG/L	B1/TR
BA9B-WO145-0915-1	L1678771-21	WO	N	2,3',4,4'- TETRACHLOROBIPHENYL	0.19	3.6 J,B	3.6 J	+	PG/L	B1/TR
BA9B-WO145-0915-1	L1678771-21	WO	N	2,4,4'-TRICHLOROBIPHENYL	0.19	4.6 J	4.6 J	+	PG/L	B1/TR
BA9B-WO145-0915-1	L1678771-21	WO	N	2,4',5-TRICHLOROBIPHENYL	0.19	3.3 J,B	3.3 J	+	PG/L	B1/TR
BA9B-WO145-0915-1	L1678771-21	WO	N	2,4'-DICHLOROBIPHENYL	0.58	2.5 J	2.5 J		PG/L	TR

Automated Data Review Detail Report for L1678771

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1668C		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
BA9B-WO145-0915-1	L1678771-21	WO	N	3,3',4,4'-TETRACHLOROBIPHENYL	0.22	0.22 J,M	0.22 J		PG/L	TR/G4
BA9B-WO145-0915-1	L1678771-21	WO	N	3,4,4'-TRICHLOROBIPHENYL	0.88	0.88 J,M	0.88 J		PG/L	TR/G4
BA9B-WO145-0915-1	L1678771-21	WO	N	PCB061/070/074/076	0.19	6.2 J,B	6.2 J	+	PG/L	TR/B1
BA9B-WO5-0915-1	L1678771-19	WO	N	2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	0.13	2.1 J	2.1 J	+	PG/L	TR/B1
BA9B-WO5-0915-1	L1678771-19	WO	N	2,2',3,4,4',5,5'-HEPTACHLOROBIPHENYL	0.30	0.30 J,M	0.30 U		PG/L	B1/G4
BA9B-WO5-0915-1	L1678771-19	WO	N	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	0.63	0.63 J,M	0.63 U		PG/L	B1/G4
BA9B-WO5-0915-1	L1678771-19	WO	N	2,2',3,4',5,6'-HEXACHLOROBIPHENYL	1.4	0.68 J,B	1.4 U		PG/L	B1
BA9B-WO5-0915-1	L1678771-19	WO	N	2,2',3,4,5'-PENTACHLOROBIPHENYL/2,3',4,4',6-Pentachlorobiphenyl	0.25	1.0 J	1.0 J		PG/L	TR
BA9B-WO5-0915-1	L1678771-19	WO	N	2,2',3,5,5',6'-HEXACHLOROBIPHENYL	0.23	0.23 J,M	0.23 U		PG/L	B1/G4
BA9B-WO5-0915-1	L1678771-19	WO	N	2,2',3,5'-TETRACHLOROBIPHENYL	4.2	2.5 J,B	4.2 U		PG/L	B1
BA9B-WO5-0915-1	L1678771-19	WO	N	2,2',4,4',5,5'-HEXACHLOROBIPHENYL/2,3',4,4',5,6'-HEXACHLOROBIPHENYL	0.99	0.60 J,B	0.99 U		PG/L	B1
BA9B-WO5-0915-1	L1678771-19	WO	N	2,2',4,4',5'-PENTACHLOROBIPHENYL	0.41	0.41 J,M	0.41 J		PG/L	TR/G4
BA9B-WO5-0915-1	L1678771-19	WO	N	2,2',4,5,5'-PENTACHLOROBIPHENYL	1.1	1.1 J,M	1.1 u		PG/L	B1/G4
BA9B-WO5-0915-1	L1678771-19	WO	N	2,2',4,5'-TETRACHLOROBIPHENYL	0.91	0.82 J	0.91 U		PG/L	B1
BA9B-WO5-0915-1	L1678771-19	WO	N	2,2',5,5'-TETRACHLOROBIPHENYL	2.7	1.7 J,B	2.7 U		PG/L	B1
BA9B-WO5-0915-1	L1678771-19	WO	N	2,2',5-TRICHLOROBIPHENYL	2.0	1.8 J	2.0 U		PG/L	B1
BA9B-WO5-0915-1	L1678771-19	WO	N	2,3,3',4,4'-PENTACHLOROBIPHENYL	0.36	0.36 J,M	0.36 J		PG/L	TR/G4
BA9B-WO5-0915-1	L1678771-19	WO	N	2,3,3',4',6'-PENTACHLOROBIPHENYL	0.23	1.4 J	1.4 J	+	PG/L	B1/TR

Automated Data Review Detail Report for L1678771

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1668C		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
BA9B-WO5-0915-1	L1678771-19	WO	N	2,3',4,4',5-PENTACHLOROBIPHENYL	0.65	0.65 J,M	0.65 U		PG/L	B1/G4
BA9B-WO5-0915-1	L1678771-19	WO	N	2,3',4,4'-TETRACHLOROBIPHENYL	1.0	1.0 J,M	1.0 U		PG/L	B1/G4
BA9B-WO5-0915-1	L1678771-19	WO	N	2,4,4'-TRICHLOROBIPHENYL	2.6	2.3 J	2.6 U		PG/L	B1
BA9B-WO5-0915-1	L1678771-19	WO	N	2,4',5-TRICHLOROBIPHENYL	2.6	1.9 J,B	2.6 U		PG/L	B1
BA9B-WO5-0915-1	L1678771-19	WO	N	3,4,4'-TRICHLOROBIPHENYL	0.29	0.93 J	0.93 J		PG/L	TR
BA9B-WO5-0915-1	L1678771-19	WO	N	PCB061/070/074/076	2.5	1.9 J,B	2.5 U		PG/L	B1
BA9B-WO75-0915-1	L1678771-20	WO	N	2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	0.090	2.2 J	2.2 J	+	PG/L	TR/B1
BA9B-WO75-0915-1	L1678771-20	WO	N	2,2',3,3',4,4',5-HEPTACHLOROBIPHENYL	0.16	0.33 J	0.33 J		PG/L	TR
BA9B-WO75-0915-1	L1678771-20	WO	N	2,2',3,3',4,4'-HEXACHLOROBIPHENYL	0.12	0.27 J,B	0.27 J	+	PG/L	B1/TR
BA9B-WO75-0915-1	L1678771-20	WO	N	2,2',3,3',4,5',6'-HEPTACHLOROBIPHENYL	0.17	0.18 J	0.18 J		PG/L	TR
BA9B-WO75-0915-1	L1678771-20	WO	N	2,2',3,4,4',5,5',6-OCTACHLOROBIPHENYL	0.11	0.15 J	0.15 J		PG/L	TR
BA9B-WO75-0915-1	L1678771-20	WO	N	2,2',3,4,4',5,5'-HEPTACHLOROBIPHENYL	0.72	0.54 J,B	0.72 U		PG/L	B1
BA9B-WO75-0915-1	L1678771-20	WO	N	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	0.13	1.7 J,B	1.7 J	+	PG/L	B1/TR
BA9B-WO75-0915-1	L1678771-20	WO	N	2,2',3,4',5,5',6-HEPTACHLOROBIPHENYL	0.20	0.20 J,M	0.20 U		PG/L	B1/G4
BA9B-WO75-0915-1	L1678771-20	WO	N	2,2',3,4',5',6-HEXACHLOROBIPHENYL	1.4	1.2 J,B	1.4 U		PG/L	B1
BA9B-WO75-0915-1	L1678771-20	WO	N	2,2',3,4,5'-PENTACHLOROBIPHENYL/2,3',4,4',6-Pentachlorobiphenyl	0.17	2.2 J	2.2 J		PG/L	TR
BA9B-WO75-0915-1	L1678771-20	WO	N	2,2',3,5,5',6-HEXACHLOROBIPHENYL	0.079	0.55 J	0.55 J	+	PG/L	TR/B1
BA9B-WO75-0915-1	L1678771-20	WO	N	2,2',3,5'-TETRACHLOROBIPHENYL	0.17	5.0 J,B	5.0 J	+	PG/L	B1/TR

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EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1668C		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
BA9B-WO75-0915-1	L1678771-20	WO	N	2,2',4,4',5,5'- HEXACHLOROBIPHENYL/2,3',4 ,4',5',6- HEXACHLOROBIPHENYL	0.11	1.3 J,B	1.3 J	+	PG/L	TR/B1
BA9B-WO75-0915-1	L1678771-20	WO	N	2,2',4,4',5- PENTACHLOROBIPHENYL	0.20	1.7 J	1.7 J		PG/L	TR
BA9B-WO75-0915-1	L1678771-20	WO	N	2,2',4,5,5'- PENTACHLOROBIPHENYL	0.18	2.8 J,B	2.8 J	+	PG/L	B1/TR
BA9B-WO75-0915-1	L1678771-20	WO	N	2,2',4,5'- TETRACHLOROBIPHENYL	0.16	2.1 J	2.1 J	+	PG/L	B1/TR
BA9B-WO75-0915-1	L1678771-20	WO	N	2,2',5,5'- TETRACHLOROBIPHENYL	0.19	4.1 J,B	4.1 J	+	PG/L	B1/TR
BA9B-WO75-0915-1	L1678771-20	WO	N	2,2',5-TRICHLOROBIPHENYL	2.9	2.9 J,M	2.9 J	+	PG/L	B1/TR/G4
BA9B-WO75-0915-1	L1678771-20	WO	N	2,3,3',4,4',5- Hexachlorobiphenyl/2,3,3',4,4',5'- Hexachlorobiphenyl	0.14	0.23 J	0.23 J		PG/L	TR
BA9B-WO75-0915-1	L1678771-20	WO	N	2,3,3',4,4',6- HEXACHLOROBIPHENYL	0.096	0.17 J	0.17 J		PG/L	TR
BA9B-WO75-0915-1	L1678771-20	WO	N	2,3,3',4,4'- PENTACHLOROBIPHENYL	0.85	0.85 J,M	0.85 J		PG/L	TR/G4
BA9B-WO75-0915-1	L1678771-20	WO	N	2,3,3',4',6- PENTACHLOROBIPHENYL	0.16	4.5 J	4.5 J	+	PG/L	B1/TR
BA9B-WO75-0915-1	L1678771-20	WO	N	2,3',4,4',5,5'- HEXACHLOROBIPHENYL	0.099	0.15 J	0.15 J		PG/L	TR
BA9B-WO75-0915-1	L1678771-20	WO	N	2,3',4,4',5- PENTACHLOROBIPHENYL	0.15	2.3 J,B	2.3 J	+	PG/L	B1/TR
BA9B-WO75-0915-1	L1678771-20	WO	N	2,3',4,4'- TETRACHLOROBIPHENYL	0.18	3.5 J,B	3.5 J	+	PG/L	B1/TR
BA9B-WO75-0915-1	L1678771-20	WO	N	2,4,4'-TRICHLOROBIPHENYL	0.21	3.8 J	3.8 J	+	PG/L	B1/TR
BA9B-WO75-0915-1	L1678771-20	WO	N	2,4',5-TRICHLOROBIPHENYL	0.21	2.8 J,B	2.8 J	+	PG/L	B1/TR
BA9B-WO75-0915-1	L1678771-20	WO	N	2,4'-DICHLOROBIPHENYL	2.9	2.9 J,M	2.9 J		PG/L	TR/G4
BA9B-WO75-0915-1	L1678771-20	WO	N	3,3',4,4'- TETRACHLOROBIPHENYL	0.17	0.27 J	0.27 J		PG/L	TR
BA9B-WO75-0915-1	L1678771-20	WO	N	3,4,4'-TRICHLOROBIPHENYL	0.54	0.54 J,M	0.54 J		PG/L	TR/G4
BA9B-WO75-0915-1	L1678771-20	WO	N	PCB061/070/074/076	0.17	4.8 J,B	4.8 J	+	PG/L	TR/B1

Automated Data Review Detail Report for L1678771

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1668C		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
BA9C-WO30-0915-1	L1678771-26	WO	N	2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	0.14	2.1 J	2.1 J	+	PG/L	TR/B1
BA9C-WO30-0915-1	L1678771-26	WO	N	2,2',3,3',4,4'-HEXACHLOROBIPHENYL	0.17	0.25 J,B	0.25 J	+	PG/L	B1/TR
BA9C-WO30-0915-1	L1678771-26	WO	N	2,2',3,4,4',5,5'-HEPTACHLOROBIPHENYL	0.72	0.39 J,B	0.72 U		PG/L	B1
BA9C-WO30-0915-1	L1678771-26	WO	N	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	1.6	1.1 J,B	1.6 U		PG/L	B1
BA9C-WO30-0915-1	L1678771-26	WO	N	2,2',3,4',5,5',6-HEPTACHLOROBIPHENYL	0.32	0.24 J	0.32 U		PG/L	B1
BA9C-WO30-0915-1	L1678771-26	WO	N	2,2',3,4',5',6-HEXACHLOROBIPHENYL	0.63	0.63 J,M	0.63 U		PG/L	B1/G4
BA9C-WO30-0915-1	L1678771-26	WO	N	2,2',3,4,5'-PENTACHLOROBIPHENYL/2,3',4,4',6-Pentachlorobiphenyl	0.23	1.4 J	1.4 J		PG/L	TR
BA9C-WO30-0915-1	L1678771-26	WO	N	2,2',3,5,5',6-HEXACHLOROBIPHENYL	0.40	0.30 J	0.40 U		PG/L	B1
BA9C-WO30-0915-1	L1678771-26	WO	N	2,2',3,5'-TETRACHLOROBIPHENYL	0.27	4.6 J,B	4.6 J	+	PG/L	B1/TR
BA9C-WO30-0915-1	L1678771-26	WO	N	2,2',4,4',5,5'-HEXACHLOROBIPHENYL/2,3',4,4',5',6-HEXACHLOROBIPHENYL	0.15	0.97 J,B	0.97 J	+	PG/L	TR/B1
BA9C-WO30-0915-1	L1678771-26	WO	N	2,2',4,4',5-PENTACHLOROBIPHENYL	0.28	0.82 J	0.82 J		PG/L	TR
BA9C-WO30-0915-1	L1678771-26	WO	N	2,2',4,5,5'-PENTACHLOROBIPHENYL	0.25	1.8 J,B	1.8 J	+	PG/L	B1/TR
BA9C-WO30-0915-1	L1678771-26	WO	N	2,2',4,5'-TETRACHLOROBIPHENYL	0.25	1.4 J	1.4 J	+	PG/L	B1/TR
BA9C-WO30-0915-1	L1678771-26	WO	N	2,2',5,5'-TETRACHLOROBIPHENYL	0.30	3.2 J,B	3.2 J	+	PG/L	B1/TR
BA9C-WO30-0915-1	L1678771-26	WO	N	2,2',5-TRICHLOROBIPHENYL	0.29	3.5 J	3.5 J	+	PG/L	B1/TR
BA9C-WO30-0915-1	L1678771-26	WO	N	2,3,3',4,4'-PENTACHLOROBIPHENYL	0.24	0.62 J	0.62 J		PG/L	TR
BA9C-WO30-0915-1	L1678771-26	WO	N	2,3,3',4',6-PENTACHLOROBIPHENYL	0.22	2.5 J	2.5 J	+	PG/L	B1/TR

Automated Data Review Detail Report for L1678771

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1668C		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
BA9C-WO30-0915-1	L1678771-26	WO	N	2,3',4,4',5-PENTACHLOROBIPHENYL	0.24	1.2 J,B	1.2 J	+	PG/L	B1/TR
BA9C-WO30-0915-1	L1678771-26	WO	N	2,3',4,4'-TETRACHLOROBIPHENYL	0.25	1.9 J,B	1.9 J	+	PG/L	B1/TR
BA9C-WO30-0915-1	L1678771-26	WO	N	2,4,4'-TRICHLOROBIPHENYL	0.26	4.2 J	4.2 J	+	PG/L	B1/TR
BA9C-WO30-0915-1	L1678771-26	WO	N	2,4',5-TRICHLOROBIPHENYL	0.26	3.3 J,B	3.3 J	+	PG/L	B1/TR
BA9C-WO30-0915-1	L1678771-26	WO	N	2,4'-DICHLOROBIPHENYL	2.7	2.7 J,M	2.7 J		PG/L	TR/G4
BA9C-WO30-0915-1	L1678771-26	WO	N	3,4,4'-TRICHLOROBIPHENYL	0.86	0.86 J,M	0.86 J		PG/L	TR/G4
BA9C-WO30-0915-1	L1678771-26	WO	N	PCB061/070/074/076	0.25	3.2 J,B	3.2 J	+	PG/L	TR/B1
BA9C-WO5-0915-1	L1678771-25	WO	N	2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	0.075	1.6 J	1.6 J	+	PG/L	TR/B1
BA9C-WO5-0915-1	L1678771-25	WO	N	2,2',3,4,4',5,5'-HEPTACHLOROBIPHENYL	0.72	0.35 J,B	0.72 U		PG/L	B1
BA9C-WO5-0915-1	L1678771-25	WO	N	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	1.6	0.79 J,B	1.6 U		PG/L	B1
BA9C-WO5-0915-1	L1678771-25	WO	N	2,2',3,4',5,5',6-HEPTACHLOROBIPHENYL	0.32	0.22 J	0.32 U		PG/L	B1
BA9C-WO5-0915-1	L1678771-25	WO	N	2,2',3,4',5',6-HEXACHLOROBIPHENYL	1.4	0.62 J,B	1.4 U		PG/L	B1
BA9C-WO5-0915-1	L1678771-25	WO	N	2,2',3,4,5'-PENTACHLOROBIPHENYL/2,3',4,4',6-Pentachlorobiphenyl	0.14	0.72 J	0.72 J		PG/L	TR
BA9C-WO5-0915-1	L1678771-25	WO	N	2,2',3,5,5',6-HEXACHLOROBIPHENYL	0.21	0.21 J,M	0.21 U		PG/L	B1/G4
BA9C-WO5-0915-1	L1678771-25	WO	N	2,2',3,5'-TETRACHLOROBIPHENYL	4.2	3.1 J,B	4.2 U		PG/L	B1
BA9C-WO5-0915-1	L1678771-25	WO	N	2,2',4,4',5,5'-HEXACHLOROBIPHENYL/2,3',4,4',5',6-HEXACHLOROBIPHENYL	0.99	0.53 J,B	0.99 U		PG/L	B1
BA9C-WO5-0915-1	L1678771-25	WO	N	2,2',4,4',5-PENTACHLOROBIPHENYL	0.22	0.22 J,M	0.22 J		PG/L	TR/G4
BA9C-WO5-0915-1	L1678771-25	WO	N	2,2',4,5,5'-PENTACHLOROBIPHENYL	0.81	0.81 J,M	0.81 U		PG/L	B1/G4
BA9C-WO5-0915-1	L1678771-25	WO	N	2,2',4,5'-TETRACHLOROBIPHENYL	0.78	0.78 J,M	0.78 U		PG/L	B1/G4

Automated Data Review Detail Report for L1678771

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1668C		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
BA9C-WO5-0915-1	L1678771-25	WO	N	2,2',5,5'-TETRACHLOROBIPHENYL	2.7	2.2 J,B	2.7 U		PG/L	B1
BA9C-WO5-0915-1	L1678771-25	WO	N	2,2',5-TRICHLOROBIPHENYL	0.15	2.3 J	2.3 J	+	PG/L	B1/TR
BA9C-WO5-0915-1	L1678771-25	WO	N	2,3,3',4,4'-PENTACHLOROBIPHENYL	0.15	0.23 J	0.23 J		PG/L	TR
BA9C-WO5-0915-1	L1678771-25	WO	N	2,3,3',4',6-PENTACHLOROBIPHENYL	0.13	1.4 J	1.4 J	+	PG/L	B1/TR
BA9C-WO5-0915-1	L1678771-25	WO	N	2,3',4,4',5-PENTACHLOROBIPHENYL	1.0	0.68 J,B	1.0 U		PG/L	B1
BA9C-WO5-0915-1	L1678771-25	WO	N	2,3',4,4'-TETRACHLOROBIPHENYL	1.1	1.0 J,B	1.1 U		PG/L	B1
BA9C-WO5-0915-1	L1678771-25	WO	N	2,4,4'-TRICHLOROBIPHENYL	0.18	2.7 J	2.7 J	+	PG/L	B1/TR
BA9C-WO5-0915-1	L1678771-25	WO	N	2,4',5-TRICHLOROBIPHENYL	2.6	2.2 J,B	2.6 U		PG/L	B1
BA9C-WO5-0915-1	L1678771-25	WO	N	2,4'-DICHLOROBIPHENYL	0.41	2.1 J	2.1 J		PG/L	TR
BA9C-WO5-0915-1	L1678771-25	WO	N	3,4,4'-TRICHLOROBIPHENYL	0.20	0.62 J	0.62 J		PG/L	TR
BA9C-WO5-0915-1	L1678771-25	WO	N	PCB061/070/074/076	2.5	1.7 J,B	2.5 U		PG/L	B1
BA9C-WO55-0915-1	L1678771-27	WO	N	2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	0.69	0.69 J,M	0.69 U		PG/L	B1/G4
BA9C-WO55-0915-1	L1678771-27	WO	N	2,2',3,3',4,4',5-HEPTACHLOROBIPHENYL	0.28	0.28 J,M	0.28 J		PG/L	TR/G4
BA9C-WO55-0915-1	L1678771-27	WO	N	2,2',3,3',4,4'-HEXACHLOROBIPHENYL	0.21	0.21 J,M	0.21 J		PG/L	TR/G4
BA9C-WO55-0915-1	L1678771-27	WO	N	2,2',3,3',4,5',6'-HEPTACHLOROBIPHENYL	0.25	0.25 J,M	0.25 J		PG/L	TR/G4
BA9C-WO55-0915-1	L1678771-27	WO	N	2,2',3,4,4',5,5'-HEPTACHLOROBIPHENYL	0.58	0.58 J,M	0.58 U		PG/L	B1/G4
BA9C-WO55-0915-1	L1678771-27	WO	N	2,2',3,4',5'-HEXACHLOROBIPHENYL	0.16	2.1 J,B	2.1 J	+	PG/L	B1/TR
BA9C-WO55-0915-1	L1678771-27	WO	N	2,2',3,4',5,5',6-HEPTACHLOROBIPHENYL	0.34	0.34 J,M	0.34 J		PG/L	TR/G4
BA9C-WO55-0915-1	L1678771-27	WO	N	2,2',3,4',5',6-HEXACHLOROBIPHENYL	0.15	1.5 J,B	1.5 J	+	PG/L	B1/TR
BA9C-WO55-0915-1	L1678771-27	WO	N	2,2',3,4,5'-PENTACHLOROBIPHENYL/2,3',4,4',6-Pentachlorobiphenyl	1.4	1.4 J,M	1.4 J	+	PG/L	TR/B1/G4

Automated Data Review Detail Report for L1678771

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1668C		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
BA9C-WO55-0915-1	L1678771-27	WO	N	2,2',3,5,5',6- HEXACHLOROBIPHENYL	0.12	0.69 J	0.69 J	+	PG/L	TR/B1
BA9C-WO55-0915-1	L1678771-27	WO	N	2,2',3,5'- TETRACHLOROBIPHENYL	4.0	3.8 J	4.0 U		PG/L	B1
BA9C-WO55-0915-1	L1678771-27	WO	N	2,2',4,4',5,5'- HEXACHLOROBIPHENYL/2,3',4 ,4',5',6- HEXACHLOROBIPHENYL	0.12	1.3 J	1.3 J	+	PG/L	TR/B1
BA9C-WO55-0915-1	L1678771-27	WO	N	2,2',4,4',5- PENTACHLOROBIPHENYL	1.0	1.0 J,M	1.0 J		PG/L	TR/G4
BA9C-WO55-0915-1	L1678771-27	WO	N	2,2',4,5,5'- PENTACHLOROBIPHENYL	0.21	1.9 J	1.9 J		PG/L	TR
BA9C-WO55-0915-1	L1678771-27	WO	N	2,2',4,5'- TETRACHLOROBIPHENYL	1.3	1.3 J,M	1.3 J	+	PG/L	B1/TR/G4
BA9C-WO55-0915-1	L1678771-27	WO	N	2,2',5,5'- TETRACHLOROBIPHENYL	0.25	2.8 J,B	2.8 J	+	PG/L	B1/TR
BA9C-WO55-0915-1	L1678771-27	WO	N	2,2',5-TRICHLOROBIPHENYL	2.8	2.1 J,B	2.8 U		PG/L	B1
BA9C-WO55-0915-1	L1678771-27	WO	N	2,3,3',4,4',5- Hexachlorobiphenyl/2,3,3',4,4',5'- Hexachlorobiphenyl	0.32	0.32 J,M	0.32 U		PG/L	B1/G4
BA9C-WO55-0915-1	L1678771-27	WO	N	2,3,3',4,4',6- HEXACHLOROBIPHENYL	0.11	0.22 J	0.22 J		PG/L	TR
BA9C-WO55-0915-1	L1678771-27	WO	N	2,3,3',4,4'- PENTACHLOROBIPHENYL	0.16	0.60 J	0.60 J		PG/L	TR
BA9C-WO55-0915-1	L1678771-27	WO	N	2,3,3',4',6- PENTACHLOROBIPHENYL	2.9	2.9 J	2.9 U		PG/L	B1
BA9C-WO55-0915-1	L1678771-27	WO	N	2,3',4,4',5- PENTACHLOROBIPHENYL	0.16	1.4 J	1.4 J	+	PG/L	B1/TR
BA9C-WO55-0915-1	L1678771-27	WO	N	2,3',4,4'- TETRACHLOROBIPHENYL	1.4	1.4 J,M	1.4 J	+	PG/L	B1/TR/G4
BA9C-WO55-0915-1	L1678771-27	WO	N	2,4,4'-TRICHLOROBIPHENYL	0.35	2.7 J	2.7 J	+	PG/L	B1/TR
BA9C-WO55-0915-1	L1678771-27	WO	N	2,4',5-TRICHLOROBIPHENYL	2.3	2.2 J	2.3 U		PG/L	B1
BA9C-WO55-0915-1	L1678771-27	WO	N	3,4,4'-TRICHLOROBIPHENYL	1.0	0.70 J,B	1.0 U		PG/L	B1/TR
BA9C-WO55-0915-1	L1678771-27	WO	N	PCB061/070/074/076	0.22	3.0 J	3.0 J	+	PG/L	TR/B1
BA9C-WO58-0915-1	L1678771-28	WO	N	2,2',3,3',4,4',5,5',6,6'- Decachlorobiphenyl	0.96	0.96 J,M	0.96 U		PG/L	B1/G4

Automated Data Review Detail Report for L1678771

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1668C		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
BA9C-WO58-0915-1	L1678771-28	WO	N	2,2',3,3',4,4',5-HEPTACHLOROBIPHENYL	0.47	0.47 J,M	0.47 J		PG/L	TR/G4
BA9C-WO58-0915-1	L1678771-28	WO	N	2,2',3,3',4,4'-HEXACHLOROBIPHENYL	0.38	0.38 J,M	0.38 J		PG/L	TR/G4
BA9C-WO58-0915-1	L1678771-28	WO	N	2,2',3,4,4',5,5'-HEPTACHLOROBIPHENYL	1.1	0.97 J,B	1.1 U		PG/L	B1
BA9C-WO58-0915-1	L1678771-28	WO	N	2,2',3,4,4',5',6-HEPTACHLOROBIPHENYL	0.25	0.25 J,M	0.25 J		PG/L	TR/G4
BA9C-WO58-0915-1	L1678771-28	WO	N	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	0.18	2.2 J,B	2.2 J	+	PG/L	B1/TR
BA9C-WO58-0915-1	L1678771-28	WO	N	2,2',3,4',5,5',6-HEPTACHLOROBIPHENYL	0.20	0.50 J	0.50 J		PG/L	TR
BA9C-WO58-0915-1	L1678771-28	WO	N	2,2',3,4',5',6-HEXACHLOROBIPHENYL	1.4	1.4 J,M	1.4 J	+	PG/L	B1/TR/G4
BA9C-WO58-0915-1	L1678771-28	WO	N	2,2',3,4,5'-PENTACHLOROBIPHENYL/2,3',4,4',6-Pentachlorobiphenyl	1.0	1.0 J,M	1.0 U		PG/L	B1/G4
BA9C-WO58-0915-1	L1678771-28	WO	N	2,2',3,5,5',6-HEXACHLOROBIPHENYL	0.52	0.52 J,M	0.52 J	+	PG/L	TR/G4/B1
BA9C-WO58-0915-1	L1678771-28	WO	N	2,2',3,5'-TETRACHLOROBIPHENYL	4.0	4.5 J	4.0 U		PG/L	B1
BA9C-WO58-0915-1	L1678771-28	WO	N	2,2',4,4',5,5'-HEXACHLOROBIPHENYL/2,3',4,4',5',6-HEXACHLOROBIPHENYL	1.3	1.3 J,M	1.3 J	+	PG/L	TR/G4/B1
BA9C-WO58-0915-1	L1678771-28	WO	N	2,2',4,4',5-PENTACHLOROBIPHENYL	1.5	1.5 J,M	1.5 J		PG/L	TR/G4
BA9C-WO58-0915-1	L1678771-28	WO	N	2,2',4,5,5'-PENTACHLOROBIPHENYL	0.25	2.8 J	2.8 J		PG/L	TR
BA9C-WO58-0915-1	L1678771-28	WO	N	2,2',4,5'-TETRACHLOROBIPHENYL	1.5	1.5 J,M	1.5 J	+	PG/L	B1/TR/G4
BA9C-WO58-0915-1	L1678771-28	WO	N	2,2',5,5'-TETRACHLOROBIPHENYL	0.45	3.9 J,B	3.9 J	+	PG/L	B1/TR
BA9C-WO58-0915-1	L1678771-28	WO	N	2,2',5-TRICHLOROBIPHENYL	2.8	2.6 J,B	2.8 U		PG/L	B1
BA9C-WO58-0915-1	L1678771-28	WO	N	2,3,3',4,4',5-Hexachlorobiphenyl/2,3,3',4,4',5'-Hexachlorobiphenyl	0.35	0.35 J,M	0.35 U		PG/L	B1/G4

Automated Data Review Detail Report for L1678771

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1668C		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
BA9C-WO58-0915-1	L1678771-28	WO	N	2,3,3',4,4',6- HEXACHLOROBIPHENYL	0.13	0.20 J	0.20 J		PG/L	TR
BA9C-WO58-0915-1	L1678771-28	WO	N	2,3,3',4,4'- PENTACHLOROBIPHENYL	0.22	0.72 J	0.72 J		PG/L	TR
BA9C-WO58-0915-1	L1678771-28	WO	N	2,3,3',4',6- PENTACHLOROBIPHENYL	2.8	2.8 J,M	2.8 U		PG/L	B1/G4
BA9C-WO58-0915-1	L1678771-28	WO	N	2,3',4,4',5- PENTACHLOROBIPHENYL	0.22	1.7 J	1.7 J	+	PG/L	B1/TR
BA9C-WO58-0915-1	L1678771-28	WO	N	2,3',4,4'- TETRACHLOROBIPHENYL	0.28	2.5 J,B	2.5 J	+	PG/L	B1/TR
BA9C-WO58-0915-1	L1678771-28	WO	N	2,4,4'-TRICHLOROBIPHENYL	3.1	3.1 J,M	3.1 J	+	PG/L	B1/TR/G4
BA9C-WO58-0915-1	L1678771-28	WO	N	2,4',5-TRICHLOROBIPHENYL	0.50	2.4 J	2.4 J	+	PG/L	B1
BA9C-WO58-0915-1	L1678771-28	WO	N	3,4,4'-TRICHLOROBIPHENYL	0.75	0.75 J,M	0.75 U		PG/L	B1/TR/G4
BA9C-WO58-0915-1	L1678771-28	WO	N	PCB061/070/074/076	0.28	3.8 J	3.8 J	+	PG/L	TR/B1
W5-WO30-0915-1	L1678771-30	WO	N	2,2',3,3',4,4'- HEXACHLOROBIPHENYL	0.18	0.32 J	0.32 J		PG/L	TR
W5-WO30-0915-1	L1678771-30	WO	N	2,2',3,3',4,5',6'- HEPTACHLOROBIPHENYL	0.40	0.40 J,M	0.40 J		PG/L	TR/G4
W5-WO30-0915-1	L1678771-30	WO	N	2,2',3,4,4',5,5'- HEPTACHLOROBIPHENYL	0.96	0.96 J,M	0.96 U		PG/L	B1/G4
W5-WO30-0915-1	L1678771-30	WO	N	2,2',3,4,4',5'- HEXACHLOROBIPHENYL	0.20	1.7 J,B	1.7 J	+	PG/L	B1/TR
W5-WO30-0915-1	L1678771-30	WO	N	2,2',3,4',5,5',6- HEPTACHLOROBIPHENYL	0.31	0.31 J,M	0.31 J		PG/L	TR/G4
W5-WO30-0915-1	L1678771-30	WO	N	2,2',3,4',5',6- HEXACHLOROBIPHENYL	0.93	0.93 J,M	0.93 U		PG/L	B1/G4
W5-WO30-0915-1	L1678771-30	WO	N	2,2',3,4,5'- PENTACHLOROBIPHENYL/2,3', 4,4',6-Pentachlorobiphenyl	0.65	0.65 J,M	0.65 U		PG/L	B1/G4
W5-WO30-0915-1	L1678771-30	WO	N	2,2',3,5,5',6- HEXACHLOROBIPHENYL	0.16	0.51 J	0.51 J	+	PG/L	TR/B1
W5-WO30-0915-1	L1678771-30	WO	N	2,2',3,5'- TETRACHLOROBIPHENYL	4.0	3.9 J	4.0 U		PG/L	B1

Automated Data Review Detail Report for L1678771

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1668C		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
W5-WO30-0915-1	L1678771-30	WO	N	2,2',4,4',5,5'- HEXACHLOROBIPHENYL/2,3',4 ,4',5',6- HEXACHLOROBIPHENYL	1.3	0.91 J	1.3 U		PG/L	B1
W5-WO30-0915-1	L1678771-30	WO	N	2,2',4,4',5- PENTACHLOROBIPHENYL	0.80	0.80 J,M	0.80 J		PG/L	TR/G4
W5-WO30-0915-1	L1678771-30	WO	N	2,2',4,5,5'- PENTACHLOROBIPHENYL	0.28	1.4 J	1.4 J		PG/L	TR
W5-WO30-0915-1	L1678771-30	WO	N	2,2',4,5'- TETRACHLOROBIPHENYL	0.39	1.3 J	1.3 J	+	PG/L	B1/TR
W5-WO30-0915-1	L1678771-30	WO	N	2,2',5,5'- TETRACHLOROBIPHENYL	2.8	2.7 J,B	2.8 U		PG/L	B1
W5-WO30-0915-1	L1678771-30	WO	N	2,2',5-TRICHLOROBIPHENYL	2.8	2.6 J,B	2.8 U		PG/L	B1
W5-WO30-0915-1	L1678771-30	WO	N	2,3,3',4,4',5- Hexachlorobiphenyl/2,3,3',4,4',5'- Hexachlorobiphenyl	0.91	0.21 J,B	0.91 U		PG/L	B1/TR
W5-WO30-0915-1	L1678771-30	WO	N	2,3,3',4,4'- PENTACHLOROBIPHENYL	0.42	0.42 J,M	0.42 J		PG/L	TR/G4
W5-WO30-0915-1	L1678771-30	WO	N	2,3,3',4',6- PENTACHLOROBIPHENYL	2.9	2.1 J	2.9 U		PG/L	B1
W5-WO30-0915-1	L1678771-30	WO	N	2,3',4,4',5- PENTACHLOROBIPHENYL	1.2	1.1 J	1.2 U		PG/L	B1
W5-WO30-0915-1	L1678771-30	WO	N	2,3',4,4'- TETRACHLOROBIPHENYL	1.3	1.3 J,B	1.3 U		PG/L	B1
W5-WO30-0915-1	L1678771-30	WO	N	2,4,4'-TRICHLOROBIPHENYL	0.62	2.8 J	2.8 J	+	PG/L	B1/TR
W5-WO30-0915-1	L1678771-30	WO	N	2,4',5-TRICHLOROBIPHENYL	2.3	2.2 J	2.3 U		PG/L	B1
W5-WO30-0915-1	L1678771-30	WO	N	PCB061/070/074/076	0.32	2.5 J	2.5 J	+	PG/L	TR/B1
W5-WO5-0915-1	L1678771-29	WO	N	2,2',3,3',4,4',5,5',6,6'- Decachlorobiphenyl	0.93	0.93 J,M	0.93 U		PG/L	B1/G4
W5-WO5-0915-1	L1678771-29	WO	N	2,2',3,3',4,4'- HEXACHLOROBIPHENYL	0.21	0.21 J,M	0.21 J		PG/L	TR/G4
W5-WO5-0915-1	L1678771-29	WO	N	2,2',3,4,4',5,5'- HEPTACHLOROBIPHENYL	1.1	0.64 J,B	1.1 U		PG/L	B1
W5-WO5-0915-1	L1678771-29	WO	N	2,2',3,4,4',5'- HEXACHLOROBIPHENYL	1.2	1.2 J,M	1.2 U		PG/L	B1/G4

Automated Data Review Detail Report for L1678771

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1668C		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
W5-WO5-0915-1	L1678771-29	WO	N	2,2',3,4',5,5',6-HEPTACHLOROBIPHENYL	0.45	0.45 J,M	0.45 J		PG/L	TR/G4
W5-WO5-0915-1	L1678771-29	WO	N	2,2',3,4',5',6-HEXACHLOROBIPHENYL	1.2	0.91 J,B	1.2 U		PG/L	B1
W5-WO5-0915-1	L1678771-29	WO	N	2,2',3,4,5'-PENTACHLOROBIPHENYL/2,3',4,4',6-Pentachlorobiphenyl	0.64	0.64 J,M	0.64 U		PG/L	B1/G4
W5-WO5-0915-1	L1678771-29	WO	N	2,2',3,5,5',6-HEXACHLOROBIPHENYL	0.32	0.32 J,M	0.32 U		PG/L	B1/G4
W5-WO5-0915-1	L1678771-29	WO	N	2,2',3,5'-TETRACHLOROBIPHENYL	2.7	2.7 J,M	2.7 U		PG/L	B1/G4
W5-WO5-0915-1	L1678771-29	WO	N	2,2',4,4',5,5'-HEXACHLOROBIPHENYL/2,3',4,4',5,5',6-HEXACHLOROBIPHENYL	1.3	0.74 J	1.3 U		PG/L	B1
W5-WO5-0915-1	L1678771-29	WO	N	2,2',4,5,5'-PENTACHLOROBIPHENYL	0.32	1.3 J	1.3 J		PG/L	TR
W5-WO5-0915-1	L1678771-29	WO	N	2,2',4,5'-TETRACHLOROBIPHENYL	0.77	0.77 J,M	0.77 J	+	PG/L	B1/TR/G4
W5-WO5-0915-1	L1678771-29	WO	N	2,2',5,5'-TETRACHLOROBIPHENYL	2.8	2.1 J,B	2.8 U		PG/L	B1
W5-WO5-0915-1	L1678771-29	WO	N	2,2',5-TRICHLOROBIPHENYL	1.2	1.2 J,M	1.2 U		PG/L	B1/G4
W5-WO5-0915-1	L1678771-29	WO	N	2,3,3',4,4',5-Hexachlorobiphenyl/2,3,3',4,4',5'-Hexachlorobiphenyl	0.22	0.22 J,M	0.22 U		PG/L	B1/G4
W5-WO5-0915-1	L1678771-29	WO	N	2,3,3',4,4',5-PENTACHLOROBIPHENYL	0.24	0.53 J	0.53 J		PG/L	TR
W5-WO5-0915-1	L1678771-29	WO	N	2,3,3',4',6-PENTACHLOROBIPHENYL	2.9	2.0 J	2.9 U		PG/L	B1
W5-WO5-0915-1	L1678771-29	WO	N	2,3',4,4',5-PENTACHLOROBIPHENYL	1.2	0.78 J	1.2 U		PG/L	B1
W5-WO5-0915-1	L1678771-29	WO	N	2,3',4,4'-TETRACHLOROBIPHENYL	0.86	0.86 J,M	0.86 U		PG/L	B1/G4
W5-WO5-0915-1	L1678771-29	WO	N	2,4,4'-TRICHLOROBIPHENYL	2.6	2.1 J	2.6 U		PG/L	B1
W5-WO5-0915-1	L1678771-29	WO	N	2,4',5-TRICHLOROBIPHENYL	1.6	1.6 J,M	1.6 U		PG/L	B1/G4
W5-WO5-0915-1	L1678771-29	WO	N	3,4,4'-TRICHLOROBIPHENYL	1.0	0.53 J,B	1.0 U		PG/L	B1/TR

Automated Data Review Detail Report for L1678771

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1668C		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
W5-WO5-0915-1	L1678771-29	WO	N	PCB061/070/074/076	1.8	1.8 J,M	1.8 J	+	PG/L	TR/G4/B1
W5-WO55-0915-1	L1678771-31	WO	N	2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	1.5	0.41 J	1.5 U		PG/L	B1
W5-WO55-0915-1	L1678771-31	WO	N	2,2',3,3',4,4'-HEXACHLOROBIPHENYL	0.15	0.15 J,M	0.15 J		PG/L	TR/G4
W5-WO55-0915-1	L1678771-31	WO	N	2,2',3,4,4',5,5'-HEPTACHLOROBIPHENYL	0.27	0.27 J,M	0.27 U		PG/L	B1/G4
W5-WO55-0915-1	L1678771-31	WO	N	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	1.0	1.0 J,M	1.0 U		PG/L	B1/G4
W5-WO55-0915-1	L1678771-31	WO	N	2,2',3,4',5,5',6-HEPTACHLOROBIPHENYL	0.24	0.24 J,M	0.24 J		PG/L	TR/G4
W5-WO55-0915-1	L1678771-31	WO	N	2,2',3,4',5,6-HEXACHLOROBIPHENYL	1.2	0.85 J,B	1.2 U		PG/L	B1
W5-WO55-0915-1	L1678771-31	WO	N	2,2',3,4,5'-PENTACHLOROBIPHENYL/2,3',4,4',6-Pentachlorobiphenyl	0.48	0.48 J,M	0.48 U		PG/L	B1/G4
W5-WO55-0915-1	L1678771-31	WO	N	2,2',3,5,5',6-HEXACHLOROBIPHENYL	0.22	0.22 J,M	0.22 U		PG/L	B1/G4
W5-WO55-0915-1	L1678771-31	WO	N	2,2',3,5'-TETRACHLOROBIPHENYL	4.0	3.1 J	4.0 U		PG/L	B1
W5-WO55-0915-1	L1678771-31	WO	N	2,2',4,4',5,5'-HEXACHLOROBIPHENYL/2,3',4,4',5,6-HEXACHLOROBIPHENYL	0.67	0.67 J,M	0.67 U		PG/L	B1/G4
W5-WO55-0915-1	L1678771-31	WO	N	2,2',4,4',5-PENTACHLOROBIPHENYL	0.50	0.50 J,M	0.50 J		PG/L	TR/G4
W5-WO55-0915-1	L1678771-31	WO	N	2,2',4,5,5'-PENTACHLOROBIPHENYL	0.32	1.6 J	1.6 J		PG/L	TR
W5-WO55-0915-1	L1678771-31	WO	N	2,2',4,5'-TETRACHLOROBIPHENYL	0.82	0.82 J,M	0.82 J	+	PG/L	B1/TR/G4
W5-WO55-0915-1	L1678771-31	WO	N	2,2',5,5'-TETRACHLOROBIPHENYL	0.40	3.9 J,B	3.9 J	+	PG/L	B1/TR
W5-WO55-0915-1	L1678771-31	WO	N	2,2',5-TRICHLOROBIPHENYL	2.8	2.5 J,B	2.8 U		PG/L	B1
W5-WO55-0915-1	L1678771-31	WO	N	2,3,3',4,4',5'-Hexachlorobiphenyl/2,3,3',4,4',5'-Hexachlorobiphenyl	0.18	0.18 J,M	0.18 U		PG/L	B1/G4

Automated Data Review Detail Report for L1678771

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1668C		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
W5-WO55-0915-1	L1678771-31	WO	N	2,3,3',4,4'-PENTACHLOROBIPHENYL	0.30	0.30 J,M	0.30 J		PG/L	TR/G4
W5-WO55-0915-1	L1678771-31	WO	N	2,3,3',4',6-PENTACHLOROBIPHENYL	1.6	1.6 J,M	1.6 U		PG/L	B1/G4
W5-WO55-0915-1	L1678771-31	WO	N	2,3',4,4',5-PENTACHLOROBIPHENYL	1.2	0.90 J	1.2 U		PG/L	B1
W5-WO55-0915-1	L1678771-31	WO	N	2,3',4,4'-TETRACHLOROBIPHENYL	0.88	0.88 J,M	0.88 U		PG/L	B1/G4
W5-WO55-0915-1	L1678771-31	WO	N	2,4,4'-TRICHLOROBIPHENYL	0.55	2.8 J	2.8 J	+	PG/L	B1/TR
W5-WO55-0915-1	L1678771-31	WO	N	2,4',5-TRICHLOROBIPHENYL	0.54	2.6 J	2.6 J	+	PG/L	B1
W5-WO55-0915-1	L1678771-31	WO	N	PCB061/070/074/076	0.33	2.1 J	2.1 J	+	PG/L	TR/B1
W5-WO58-0915-1	L1678771-32	WO	N	2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	0.71	0.71 J,M	0.71 U		PG/L	B1/G4
W5-WO58-0915-1	L1678771-32	WO	N	2,2',3,3',4,4',5-HEPTACHLOROBIPHENYL	0.13	0.26 J	0.26 J		PG/L	TR
W5-WO58-0915-1	L1678771-32	WO	N	2,2',3,3',4,4'-HEXACHLOROBIPHENYL	0.10	0.22 J	0.22 J		PG/L	TR
W5-WO58-0915-1	L1678771-32	WO	N	2,2',3,4,4',5,5'-HEPTACHLOROBIPHENYL	0.39	0.39 J,M	0.39 U		PG/L	B1/G4
W5-WO58-0915-1	L1678771-32	WO	N	2,2',3,4,4',5,6-HEPTACHLOROBIPHENYL	0.11	0.11 U	0.11 UJ		PG/L	D5
W5-WO58-0915-1	L1678771-32	WO	N	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	1.5	1.0 J,B	1.5 U		PG/L	B1
W5-WO58-0915-1	L1678771-32	WO	N	2,2',3,4',5,5',6-HEPTACHLOROBIPHENYL	0.16	0.16 J,M	0.16 J		PG/L	TR/G4
W5-WO58-0915-1	L1678771-32	WO	N	2,2',3,4',5,6-HEXACHLOROBIPHENYL	0.59	0.59 J,M	0.59 U		PG/L	B1/G4
W5-WO58-0915-1	L1678771-32	WO	N	2,2',3,4,5'-PENTACHLOROBIPHENYL/2,3',4,4',6-Pentachlorobiphenyl	0.45	0.45 J,M	0.45 U		PG/L	B1/G4
W5-WO58-0915-1	L1678771-32	WO	N	2,2',3,5,5',6-HEXACHLOROBIPHENYL	0.42	0.30 J	0.42 U		PG/L	B1/G4
W5-WO58-0915-1	L1678771-32	WO	N	2,2',3,5'-TETRACHLOROBIPHENYL	4.0	2.7 J	4.0 U		PG/L	B1

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EPA, Region 9

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Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1668C		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
W5-WO58-0915-1	L1678771-32	WO	N	2,2',4,4',5,5'- HEXACHLOROBIPHENYL/2,3',4 ,4',5',6- HEXACHLOROBIPHENYL	1.3	0.72 J	1.3 U		PG/L	B1
W5-WO58-0915-1	L1678771-32	WO	N	2,2',4,4',5- PENTACHLOROBIPHENYL	0.14	0.61 J	0.61 J		PG/L	D5/TR
W5-WO58-0915-1	L1678771-32	WO	N	2,2',4,5,5'- PENTACHLOROBIPHENYL	0.71	0.71 J,M	0.71 J		PG/L	D5/TR/G4
W5-WO58-0915-1	L1678771-32	WO	N	2,2',4,5'- TETRACHLOROBIPHENYL	0.77	0.72 J	0.77 U		PG/L	B1
W5-WO58-0915-1	L1678771-32	WO	N	2,2',5,5'- TETRACHLOROBIPHENYL	2.8	1.5 J,B	2.8 U		PG/L	B1
W5-WO58-0915-1	L1678771-32	WO	N	2,2',5-TRICHLOROBIPHENYL	2.8	1.5 J,B	2.8 U		PG/L	B1
W5-WO58-0915-1	L1678771-32	WO	N	2,3,3',4,4',5- Hexachlorobiphenyl/2,3,3',4,4',5'- Hexachlorobiphenyl	0.91	0.20 J,B	0.91 U		PG/L	B1
W5-WO58-0915-1	L1678771-32	WO	N	2,3,3',4,4',6- HEXACHLOROBIPHENYL	0.12	0.12 J,M	0.12 J		PG/L	TR/G4
W5-WO58-0915-1	L1678771-32	WO	N	2,3,3',4,4'- PENTACHLOROBIPHENYL	0.12	0.24 J	0.24 J		PG/L	TR
W5-WO58-0915-1	L1678771-32	WO	N	2,3,3',4',6- PENTACHLOROBIPHENYL	2.9	1.5 J	2.9 U		PG/L	B1
W5-WO58-0915-1	L1678771-32	WO	N	2,3',4,4',5- PENTACHLOROBIPHENYL	1.2	0.73 J	1.2 U		PG/L	B1
W5-WO58-0915-1	L1678771-32	WO	N	2,3',4,4'- TETRACHLOROBIPHENYL	1.3	0.85 J,B	1.3 U		PG/L	B1/TR
W5-WO58-0915-1	L1678771-32	WO	N	2,4,4'-TRICHLOROBIPHENYL	2.6	1.7 J	2.6 U		PG/L	B1
W5-WO58-0915-1	L1678771-32	WO	N	2,4',5-TRICHLOROBIPHENYL	2.3	1.6 J	2.3 U		PG/L	B1
W5-WO58-0915-1	L1678771-32	WO	N	PCB061/070/074/076	0.19	1.6 J	1.6 J	+	PG/L	TR/B1
W5-WO58-0915-2	L1678771-33	WO	FD	2,2',3,3',4,4',5,5',6,6'- Decachlorobiphenyl	1.5	0.61 J	1.5 U		PG/L	B1
W5-WO58-0915-2	L1678771-33	WO	FD	2,2',3,3',4,4',5- HEPTACHLOROBIPHENYL	0.16	0.16 J,M	0.16 J		PG/L	TR/G4
W5-WO58-0915-2	L1678771-33	WO	FD	2,2',3,3',4,4'- HEXACHLOROBIPHENYL	0.16	0.16 J,M	0.16 J		PG/L	TR/G4

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EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1668C		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
W5-WO58-0915-2	L1678771-33	WO	FD	2,2',3,4,4',5,5'-HEPTACHLOROBIPHENYL	1.1	0.36 J,B	1.1 U		PG/L	B1
W5-WO58-0915-2	L1678771-33	WO	FD	2,2',3,4,4',5,6-HEPTACHLOROBIPHENYL	0.099	0.17 J	0.17 J		PG/L	D5/TR
W5-WO58-0915-2	L1678771-33	WO	FD	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	1.5	1.1 J,B	1.5 U		PG/L	B1
W5-WO58-0915-2	L1678771-33	WO	FD	2,2',3,4',5,5',6-HEPTACHLOROBIPHENYL	0.086	0.17 J	0.17 J		PG/L	TR
W5-WO58-0915-2	L1678771-33	WO	FD	2,2',3,4',5,6-HEXACHLOROBIPHENYL	1.2	0.68 J,B	1.2 U		PG/L	B1
W5-WO58-0915-2	L1678771-33	WO	FD	2,2',3,4,5'-PENTACHLOROBIPHENYL/2,3',4,4',6-Pentachlorobiphenyl	1.4	1.0 J	1.4 U		PG/L	B1
W5-WO58-0915-2	L1678771-33	WO	FD	2,2',3,5,5',6-HEXACHLOROBIPHENYL	0.28	0.28 J,M	0.28 U		PG/L	B1/G4
W5-WO58-0915-2	L1678771-33	WO	FD	2,2',3,5'-TETRACHLOROBIPHENYL	4.0	2.6 J	4.0 U		PG/L	B1
W5-WO58-0915-2	L1678771-33	WO	FD	2,2',4,4',5,5'-HEXACHLOROBIPHENYL/2,3',4,4',5,6-HEXACHLOROBIPHENYL	1.3	0.78 J	1.3 U		PG/L	B1
W5-WO58-0915-2	L1678771-33	WO	FD	2,2',4,4',5-PENTACHLOROBIPHENYL	0.28	0.28 J,M	0.28 J		PG/L	D5/TR/G4
W5-WO58-0915-2	L1678771-33	WO	FD	2,2',4,5,5'-PENTACHLOROBIPHENYL	1.1	1.1 J,M	1.1 J		PG/L	D5/TR/G4
W5-WO58-0915-2	L1678771-33	WO	FD	2,2',4,5'-TETRACHLOROBIPHENYL	0.76	0.76 J,M	0.76 U		PG/L	B1/G4
W5-WO58-0915-2	L1678771-33	WO	FD	2,2',5,5'-TETRACHLOROBIPHENYL	1.7	1.7 J,M	1.7 U		PG/L	B1/G4
W5-WO58-0915-2	L1678771-33	WO	FD	2,2',5-TRICHLOROBIPHENYL	2.8	1.7 J,B	2.8 U		PG/L	B1
W5-WO58-0915-2	L1678771-33	WO	FD	2,3,3',4,4',6-HEXACHLOROBIPHENYL	0.095	0.095 J,M	0.095 J		PG/L	TR/G4
W5-WO58-0915-2	L1678771-33	WO	FD	2,3,3',4,4'-PENTACHLOROBIPHENYL	0.32	0.32 J,M	0.32 J		PG/L	TR/G4
W5-WO58-0915-2	L1678771-33	WO	FD	2,3,3',4',6-PENTACHLOROBIPHENYL	2.9	1.6 J	2.9 U		PG/L	B1

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EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1668C		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
W5-WO58-0915-2	L1678771-33	WO	FD	2,3',4,4',5-PENTACHLOROBIPHENYL	0.78	0.78 J,M	0.78 U		PG/L	B1/G4
W5-WO58-0915-2	L1678771-33	WO	FD	2,3',4,4'-TETRACHLOROBIPHENYL	0.74	0.74 J,M	0.74 U		PG/L	B1/G4
W5-WO58-0915-2	L1678771-33	WO	FD	2,4,4'-TRICHLOROBIPHENYL	2.6	1.9 J	2.6 U		PG/L	B1
W5-WO58-0915-2	L1678771-33	WO	FD	2,4',5-TRICHLOROBIPHENYL	2.3	1.8 J	2.3 U		PG/L	B1
W5-WO58-0915-2	L1678771-33	WO	FD	3,3',4,4'-TETRACHLOROBIPHENYL	0.78	0.27 J,B	0.78 U		PG/L	B1
W5-WO58-0915-2	L1678771-33	WO	FD	3,4,4'-TRICHLOROBIPHENYL	0.42	0.42 J,M	0.42 U		PG/L	B1/TR/G4
W5-WO58-0915-2	L1678771-33	WO	FD	PCB061/070/074/076	0.26	1.5 J	1.5 J	+	PG/L	TR/B1

Test Method: E1699		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
BA6C-WO55-0915-1	L1678771-4	WO	N	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0013	0.019 J	0.019 J	-	NG/L	H2/TR/X2
BA6C-WO55-0915-1	L1678771-4	WO	N	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.042	0.37	0.37 J	-	NG/L	H2/X2
BA6C-WO55-0915-1	L1678771-4	WO	N	o,p'-DDD	0.035	0.035 J,M	0.035 J		NG/L	H2/L/TR/G4/X2/C11
BA6C-WO55-0915-1	L1678771-4	WO	N	o,p'-DDE	0.0054	0.11	0.11 J	-	NG/L	H2/X2
BA6C-WO55-0915-1	L1678771-4	WO	N	o,p'-DDT	0.041	0.041 U	0.041 UJ		NG/L	H2/X2
BA6C-WO55-0915-1	L1678771-4	WO	N	p,p'-DDD	0.016	0.066 J	0.066 J	-	NG/L	H2/TR/X2
BA6C-WO55-0915-1	L1678771-4	WO	N	p,p'-DDE	0.0074	0.48	0.48 J	-	NG/L	H2/X2
BA6C-WO55-0915-1	L1678771-4	WO	N	p,p'-DDT	0.12	0.12 U	0.12 UJ		NG/L	H2/X2
BA7BC-WO50-0915-1	L1678771-6	WO	N	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0011	0.013 J	0.013 J	-	NG/L	H2/TR
BA7BC-WO50-0915-1	L1678771-6	WO	N	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.040	0.30 M	0.30 J	-	NG/L	H2
BA7BC-WO50-0915-1	L1678771-6	WO	N	o,p'-DDD	0.029	0.029 J,M	0.029 J		NG/L	H2/L/TR/G4/C11
BA7BC-WO50-0915-1	L1678771-6	WO	N	o,p'-DDE	0.0046	0.077 J	0.077 J	-	NG/L	H2/TR

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Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1699		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
BA7BC-WO50-0915-1	L1678771-6	WO	N	o,p'-DDT	0.028	0.028 U	0.028 UJ		NG/L	H2
BA7BC-WO50-0915-1	L1678771-6	WO	N	p,p'-DDD	0.041	0.041 J,M	0.041 J	-	NG/L	H2/TR/G4
BA7BC-WO50-0915-1	L1678771-6	WO	N	p,p'-DDE	0.0087	0.33	0.33 J	-	NG/L	H2
BA7BC-WO50-0915-1	L1678771-6	WO	N	p,p'-DDT	0.094	0.094 U	0.094 UJ		NG/L	H2
BA7BC-WO5-0915-1	L1678771-5	WO	N	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0015	0.0015 U	0.0015 UJ		NG/L	H2
BA7BC-WO5-0915-1	L1678771-5	WO	N	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.064	0.064 U	0.064 UJ		NG/L	H2
BA7BC-WO5-0915-1	L1678771-5	WO	N	o,p'-DDD	0.014	0.014 U	0.014 UJ		NG/L	H2
BA7BC-WO5-0915-1	L1678771-5	WO	N	o,p'-DDE	0.0056	0.0056 U	0.0056 UJ		NG/L	H2
BA7BC-WO5-0915-1	L1678771-5	WO	N	o,p'-DDT	0.043	0.043 U	0.043 UJ		NG/L	H2
BA7BC-WO5-0915-1	L1678771-5	WO	N	p,p'-DDD	0.017	0.017 U	0.017 UJ		NG/L	H2
BA7BC-WO5-0915-1	L1678771-5	WO	N	p,p'-DDE	0.011	0.015 J	0.015 J	-	NG/L	H2/TR
BA7BC-WO5-0915-1	L1678771-5	WO	N	p,p'-DDT	0.14	0.14 U	0.14 UJ		NG/L	H2
BA7BC-WO95-0915-1	L1678771-7	WO	N	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0014	0.035 J	0.035 J	-	NG/L	H2/TR/X2
BA7BC-WO95-0915-1	L1678771-7	WO	N	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.042	0.61	0.61 J	-	NG/L	H2/X2
BA7BC-WO95-0915-1	L1678771-7	WO	N	o,p'-DDD	0.012	0.052 J	0.052 J		NG/L	H2/L/TR/X2/C11
BA7BC-WO95-0915-1	L1678771-7	WO	N	o,p'-DDE	0.0036	0.20	0.20 J	-	NG/L	H2/X2
BA7BC-WO95-0915-1	L1678771-7	WO	N	o,p'-DDT	0.056	0.056 U	0.056 UJ		NG/L	H2/X2
BA7BC-WO95-0915-1	L1678771-7	WO	N	p,p'-DDD	0.022	0.073 J	0.073 J	-	NG/L	H2/TR/X2
BA7BC-WO95-0915-1	L1678771-7	WO	N	p,p'-DDE	0.012	0.95	0.95 J	-	NG/L	H2/X2
BA7BC-WO95-0915-1	L1678771-7	WO	N	p,p'-DDT	0.14	0.14 U	0.14 UJ		NG/L	H2/X2
BA7B-WO145-0915-1	L1678771-3	WO	N	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0017	0.041 J	0.041 J	-	NG/L	H2/TR
BA7B-WO145-0915-1	L1678771-3	WO	N	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.083	0.62	0.62 J	-	NG/L	H2
BA7B-WO145-0915-1	L1678771-3	WO	N	o,p'-DDD	0.027	0.027 U	0.027 UJ		NG/L	H2
BA7B-WO145-0915-1	L1678771-3	WO	N	o,p'-DDE	0.011	0.072 J	0.072 J	-	NG/L	H2/TR
BA7B-WO145-0915-1	L1678771-3	WO	N	o,p'-DDT	0.053	0.053 U	0.053 UJ		NG/L	H2

Automated Data Review Detail Report for L1678771

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1699		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
BA7B-WO145-0915-1	L1678771-3	WO	N	p,p'-DDD	0.021	0.052 J	0.052 J	-	NG/L	H2/TR
BA7B-WO145-0915-1	L1678771-3	WO	N	p,p'-DDE	0.016	0.35	0.35 J	-	NG/L	H2
BA7B-WO145-0915-1	L1678771-3	WO	N	p,p'-DDT	0.20	0.20 U	0.20 UJ		NG/L	H2
BA7B-WO5-0915-1	L1678771-1	WO	N	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0012	0.0012 U	0.0012 UJ		NG/L	H2/X2
BA7B-WO5-0915-1	L1678771-1	WO	N	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.033	0.033 U	0.033 UJ		NG/L	H2/X2
BA7B-WO5-0915-1	L1678771-1	WO	N	o,p'-DDD	0.016	0.016 U	0.016 UJ		NG/L	H2/X2
BA7B-WO5-0915-1	L1678771-1	WO	N	o,p'-DDE	0.0050	0.0050 U	0.0050 UJ		NG/L	H2/X2
BA7B-WO5-0915-1	L1678771-1	WO	N	o,p'-DDT	0.037	0.037 U	0.037 UJ		NG/L	H2/X2
BA7B-WO5-0915-1	L1678771-1	WO	N	p,p'-DDD	0.015	0.015 U	0.015 UJ		NG/L	H2/X2
BA7B-WO5-0915-1	L1678771-1	WO	N	p,p'-DDE	0.011	0.021 J	0.021 J	-	NG/L	H2/TR/X2
BA7B-WO5-0915-1	L1678771-1	WO	N	p,p'-DDT	0.099	0.099 U	0.099 UJ		NG/L	H2/X2
BA7B-WO75-0915-1	L1678771-2	WO	N	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0014	0.0014 U	0.0014 UJ		NG/L	H2/X2
BA7B-WO75-0915-1	L1678771-2	WO	N	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.036	0.036 U	0.036 UJ		NG/L	H2/X2
BA7B-WO75-0915-1	L1678771-2	WO	N	o,p'-DDD	0.0096	0.0096 U	0.0096 UJ		NG/L	H2/X2
BA7B-WO75-0915-1	L1678771-2	WO	N	o,p'-DDE	0.0051	0.016 J	0.016 J	-	NG/L	H2/TR/X2
BA7B-WO75-0915-1	L1678771-2	WO	N	o,p'-DDT	0.038	0.038 U	0.038 UJ		NG/L	H2/X2
BA7B-WO75-0915-1	L1678771-2	WO	N	p,p'-DDD	0.015	0.015 U	0.015 UJ		NG/L	H2/X2
BA7B-WO75-0915-1	L1678771-2	WO	N	p,p'-DDE	0.0067	0.090 J	0.090 J	-	NG/L	H2/TR/X2
BA7B-WO75-0915-1	L1678771-2	WO	N	p,p'-DDT	0.12	0.12 U	0.12 UJ		NG/L	H2/X2
BA8BC-WO50-0915-1	L1678771-12	WO	N	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0001	0.0071 J	0.0071 J		NG/L	B1/H2/TR/X2
BA8BC-WO50-0915-1	L1678771-12	WO	N	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.0031	0.14 M	0.14 J	-	NG/L	H2/X2
BA8BC-WO50-0915-1	L1678771-12	WO	N	o,p'-DDD	0.0085	0.0085 J,M	0.0085 J	-	NG/L	H2/TR/G4/X2
BA8BC-WO50-0915-1	L1678771-12	WO	N	o,p'-DDE	0.0001	0.039	0.039 J	-	NG/L	H2/X2
BA8BC-WO50-0915-1	L1678771-12	WO	N	o,p'-DDT	0.0031	0.0031 J,M	0.0031 UJ		NG/L	B1/H2/G4/X2
BA8BC-WO50-0915-1	L1678771-12	WO	N	p,p'-DDD	0.0016	0.031 M	0.031 J		NG/L	H2/B1/X2

Automated Data Review Detail Report for L1678771

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1699		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
BA8BC-WO50-0915-1	L1678771-12	WO	N	p,p'-DDE	0.0003	0.21	0.21 J		NG/L	H2/B1/X2
BA8BC-WO50-0915-1	L1678771-12	WO	N	p,p'-DDT	0.0029	0.0081 J,B	0.0081 J		NG/L	B1/H2/TR/L/X2
BA8BC-WO5-0915-1	L1678771-11	WO	N	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0015	0.0015 U	0.0015 UJ		NG/L	H2
BA8BC-WO5-0915-1	L1678771-11	WO	N	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.051	0.051 U	0.051 UJ		NG/L	H2
BA8BC-WO5-0915-1	L1678771-11	WO	N	o,p'-DDD	0.013	0.013 U	0.013 UJ		NG/L	H2
BA8BC-WO5-0915-1	L1678771-11	WO	N	o,p'-DDE	0.0073	0.0073 U	0.0073 UJ		NG/L	H2
BA8BC-WO5-0915-1	L1678771-11	WO	N	o,p'-DDT	0.053	0.053 U	0.053 UJ		NG/L	H2
BA8BC-WO5-0915-1	L1678771-11	WO	N	p,p'-DDD	0.021	0.021 U	0.021 UJ		NG/L	H2
BA8BC-WO5-0915-1	L1678771-11	WO	N	p,p'-DDE	0.012	0.026 J	0.026 J	-	NG/L	H2/TR
BA8BC-WO5-0915-1	L1678771-11	WO	N	p,p'-DDT	0.17	0.17 U	0.17 UJ		NG/L	H2
BA8BC-WO95-0915-1	L1678771-13	WO	N	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0001	0.027 M	0.027 J		NG/L	H2/B1/X2
BA8BC-WO95-0915-1	L1678771-13	WO	N	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.0059	0.55	0.55 J	-	NG/L	H2/X2
BA8BC-WO95-0915-1	L1678771-13	WO	N	o,p'-DDD	0.0014	0.023 J	0.023 J	-	NG/L	H2/TR/X2
BA8BC-WO95-0915-1	L1678771-13	WO	N	o,p'-DDE	0.0005	0.10	0.10 J	-	NG/L	H2/X2
BA8BC-WO95-0915-1	L1678771-13	WO	N	o,p'-DDT	0.0038	0.0038 M,U	0.0038 UJ		NG/L	H2/X2
BA8BC-WO95-0915-1	L1678771-13	WO	N	p,p'-DDD	0.0024	0.063 M	0.063 J		NG/L	H2/B1/X2
BA8BC-WO95-0915-1	L1678771-13	WO	N	p,p'-DDE	0.0012	0.54	0.54 J		NG/L	H2/B1/X2
BA8BC-WO95-0915-1	L1678771-13	WO	N	p,p'-DDT	0.0041	0.0082 J,B	0.0082 J		NG/L	B1/H2/TR/L/X2
BA8B-WO145-0915-1	L1678771-10	WO	N	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0015	0.036 J	0.036 J	-	NG/L	H2/TR
BA8B-WO145-0915-1	L1678771-10	WO	N	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.054	0.54	0.54 J	-	NG/L	H2
BA8B-WO145-0915-1	L1678771-10	WO	N	o,p'-DDD	0.019	0.019 U	0.019 UJ		NG/L	H2
BA8B-WO145-0915-1	L1678771-10	WO	N	o,p'-DDE	0.0085	0.064 J	0.064 J	-	NG/L	H2/TR
BA8B-WO145-0915-1	L1678771-10	WO	N	o,p'-DDT	0.057	0.057 U	0.057 UJ		NG/L	H2
BA8B-WO145-0915-1	L1678771-10	WO	N	p,p'-DDD	0.040	0.040 J,M	0.040 J	-	NG/L	H2/TR/G4

Automated Data Review Detail Report for L1678771

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1699	Extraction Method: METHOD	Leach Method: NONE								
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
BA8B-WO145-0915-1	L1678771-10	WO	N	p,p'-DDE	0.013	0.26	0.26 J	-	NG/L	H2
BA8B-WO145-0915-1	L1678771-10	WO	N	p,p'-DDT	0.20	0.20 U	0.20 UJ		NG/L	H2
BA8B-WO5-0915-1	L1678771-8	WO	N	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0016	0.0016 U	0.0016 UJ		NG/L	H2
BA8B-WO5-0915-1	L1678771-8	WO	N	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.058	0.058 U	0.058 UJ		NG/L	H2
BA8B-WO5-0915-1	L1678771-8	WO	N	o,p'-DDD	0.019	0.019 U	0.019 UJ		NG/L	H2
BA8B-WO5-0915-1	L1678771-8	WO	N	o,p'-DDE	0.0064	0.0064 U	0.0064 UJ		NG/L	H2
BA8B-WO5-0915-1	L1678771-8	WO	N	o,p'-DDT	0.060	0.060 U	0.060 UJ		NG/L	H2
BA8B-WO5-0915-1	L1678771-8	WO	N	p,p'-DDD	0.024	0.024 U	0.024 UJ		NG/L	H2
BA8B-WO5-0915-1	L1678771-8	WO	N	p,p'-DDE	0.012	0.029 J	0.029 J	-	NG/L	H2/TR
BA8B-WO5-0915-1	L1678771-8	WO	N	p,p'-DDT	0.13	0.13 U	0.13 UJ		NG/L	H2
BA8B-WO75-0915-1	L1678771-9	WO	N	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0015	0.0015 U	0.0015 UJ		NG/L	H2/X2
BA8B-WO75-0915-1	L1678771-9	WO	N	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.040	0.040 U	0.040 UJ		NG/L	H2/X2
BA8B-WO75-0915-1	L1678771-9	WO	N	o,p'-DDD	0.017	0.017 U	0.017 UJ		NG/L	H2/X2
BA8B-WO75-0915-1	L1678771-9	WO	N	o,p'-DDE	0.0062	0.015 J	0.015 J	-	NG/L	H2/TR/X2
BA8B-WO75-0915-1	L1678771-9	WO	N	o,p'-DDT	0.063	0.063 U	0.063 UJ		NG/L	H2/X2
BA8B-WO75-0915-1	L1678771-9	WO	N	p,p'-DDD	0.025	0.025 U	0.025 UJ		NG/L	H2/X2
BA8B-WO75-0915-1	L1678771-9	WO	N	p,p'-DDE	0.014	0.069 J	0.069 J	-	NG/L	H2/TR/X2
BA8B-WO75-0915-1	L1678771-9	WO	N	p,p'-DDT	0.20	0.20 U	0.20 UJ		NG/L	H2/X2
BA8C-WO5-0915-1	L1678771-14	WO	N	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0004	0.0004 J,M	0.0004 J		NG/L	B1/H2/TR/G4/X2
BA8C-WO5-0915-1	L1678771-14	WO	N	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.015	0.015 J,M	0.015 J	-	NG/L	H2/TR/G4/X2
BA8C-WO5-0915-1	L1678771-14	WO	N	o,p'-DDD	0.0015	0.0015 J,M	0.0015 J	-	NG/L	H2/TR/G4/X2
BA8C-WO5-0915-1	L1678771-14	WO	N	o,p'-DDE	0.0020	0.0020 J,M	0.0020 J	-	NG/L	H2/TR/G4/X2
BA8C-WO5-0915-1	L1678771-14	WO	N	o,p'-DDT	0.0022	0.0022 J,M	0.0022 UJ		NG/L	B1/H2/G4/X2
BA8C-WO5-0915-1	L1678771-14	WO	N	p,p'-DDD	0.0028	0.0028 J,M	0.0028 J		NG/L	B1/H2/TR/G4/X2
BA8C-WO5-0915-1	L1678771-14	WO	N	p,p'-DDE	0.0003	0.020 J,B	0.020 J		NG/L	B1/H2/G4/X2

Automated Data Review Detail Report for L1678771

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1699		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
BA8C-WO5-0915-1	L1678771-14	WO	N	p,p'-DDT	0.0059	0.0053 J,B	0.0059 UJ		NG/L	B1/H2/X2
BA8DC-WO20-0915-1	L1678771-16	WO	N	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0002	0.0037 J	0.0037 J		NG/L	B1/H2/TR
BA8DC-WO20-0915-1	L1678771-16	WO	N	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.0033	0.034 M	0.034 J	-	NG/L	H2
BA8DC-WO20-0915-1	L1678771-16	WO	N	o,p'-DDD	0.0010	0.0032 J	0.0032 J	-	NG/L	H2/TR
BA8DC-WO20-0915-1	L1678771-16	WO	N	o,p'-DDE	0.0002	0.012 J	0.012 J	-	NG/L	H2/TR
BA8DC-WO20-0915-1	L1678771-16	WO	N	o,p'-DDT	0.035	0.035 U	0.035 UJ		NG/L	H2
BA8DC-WO20-0915-1	L1678771-16	WO	N	p,p'-DDD	0.0019	0.014 J,B	0.014 J		NG/L	B1/H2/TR
BA8DC-WO20-0915-1	L1678771-16	WO	N	p,p'-DDE	0.0004	0.058 B	0.058 J		NG/L	H2/B1
BA8DC-WO20-0915-1	L1678771-16	WO	N	p,p'-DDT	0.0032	0.015 J,B	0.015 J		NG/L	B1/H2/TR/L
BA8DC-WO35-0915-1	L1678771-17	WO	N	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0002	0.015 J	0.015 J		NG/L	B1/H2/TR
BA8DC-WO35-0915-1	L1678771-17	WO	N	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.0056	0.16 M	0.16 J	-	NG/L	H2
BA8DC-WO35-0915-1	L1678771-17	WO	N	o,p'-DDD	0.0013	0.020 J	0.020 J	-	NG/L	H2/TR
BA8DC-WO35-0915-1	L1678771-17	WO	N	o,p'-DDE	0.0007	0.064	0.064 J	-	NG/L	H2
BA8DC-WO35-0915-1	L1678771-17	WO	N	o,p'-DDT	0.0068	0.0068 J,M	0.0068 J		NG/L	B1/H2/TR/G4
BA8DC-WO35-0915-1	L1678771-17	WO	N	p,p'-DDD	0.0021	0.051 M	0.051 J		NG/L	H2/B1
BA8DC-WO35-0915-1	L1678771-17	WO	N	p,p'-DDE	0.0015	0.33	0.33 J		NG/L	H2/B1
BA8DC-WO35-0915-1	L1678771-17	WO	N	p,p'-DDT	0.0038	0.022 J,B	0.022 J		NG/L	B1/H2/TR/L
BA8DC-WO38-0915-1	L1678771-18	WO	N	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0001	0.012 J	0.012 J		NG/L	B1/H2/TR
BA8DC-WO38-0915-1	L1678771-18	WO	N	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.0054	0.21 M	0.21 J	-	NG/L	H2
BA8DC-WO38-0915-1	L1678771-18	WO	N	o,p'-DDD	0.0009	0.017 J	0.017 J	-	NG/L	H2/TR
BA8DC-WO38-0915-1	L1678771-18	WO	N	o,p'-DDE	0.0003	0.070 M	0.070 J	-	NG/L	H2
BA8DC-WO38-0915-1	L1678771-18	WO	N	o,p'-DDT	0.0024	0.0024 M,U	0.0024 UJ		NG/L	H2
BA8DC-WO38-0915-1	L1678771-18	WO	N	p,p'-DDD	0.0015	0.050 M	0.050 J		NG/L	H2/B1
BA8DC-WO38-0915-1	L1678771-18	WO	N	p,p'-DDE	0.0007	0.36	0.36 J		NG/L	H2/B1
BA8DC-WO38-0915-1	L1678771-18	WO	N	p,p'-DDT	0.0026	0.014 J,B	0.014 J		NG/L	B1/H2/TR/L

Automated Data Review Detail Report for L1678771

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1699		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
BA8DC-WO5-0915-1	L1678771-15	WO	N	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0000	0.0007 J	0.0007 J		NG/L	B1/H2/TR
BA8DC-WO5-0915-1	L1678771-15	WO	N	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.013	0.013 J,M	0.013 J	-	NG/L	H2/TR/G4
BA8DC-WO5-0915-1	L1678771-15	WO	N	o,p'-DDD	0.0016	0.0016 J,M	0.0016 J	-	NG/L	H2/TR/G4
BA8DC-WO5-0915-1	L1678771-15	WO	N	o,p'-DDE	0.0013	0.0013 J,M	0.0013 J	-	NG/L	H2/TR/G4
BA8DC-WO5-0915-1	L1678771-15	WO	N	o,p'-DDT	0.0016	0.0016 M,U	0.0016 UJ		NG/L	H2
BA8DC-WO5-0915-1	L1678771-15	WO	N	p,p'-DDD	0.0010	0.0042 J,B	0.0042 J		NG/L	B1/H2/TR
BA8DC-WO5-0915-1	L1678771-15	WO	N	p,p'-DDE	0.0005	0.016 J,B	0.016 J		NG/L	B1/H2/TR
BA8DC-WO5-0915-1	L1678771-15	WO	N	p,p'-DDT	0.0052	0.0052 J,M	0.0052 U		NG/L	B1/H2/G4
BA9BC-WO50-0915-1	L1678771-23	WO	N	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0002	0.0021 J	0.0021 J		NG/L	B1/H2/TR/X2
BA9BC-WO50-0915-1	L1678771-23	WO	N	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.0032	0.025 M	0.025 J	-	NG/L	H2/X2
BA9BC-WO50-0915-1	L1678771-23	WO	N	o,p'-DDD	0.0013	0.0013 M,U	0.0013 UJ		NG/L	H2/X2
BA9BC-WO50-0915-1	L1678771-23	WO	N	o,p'-DDE	0.0004	0.0048 J	0.0048 J	-	NG/L	H2/TR/X2
BA9BC-WO50-0915-1	L1678771-23	WO	N	o,p'-DDT	0.0035	0.0035 U	0.0035 UJ		NG/L	H2/X2
BA9BC-WO50-0915-1	L1678771-23	WO	N	p,p'-DDD	0.0022	0.0050 J,B	0.0050 J		NG/L	B1/H2/TR/X2
BA9BC-WO50-0915-1	L1678771-23	WO	N	p,p'-DDE	0.0008	0.032 B	0.032 J		NG/L	H2/B1/X2
BA9BC-WO50-0915-1	L1678771-23	WO	N	p,p'-DDT	0.0045	0.0045 J,M	0.0045 UJ		NG/L	B1/H2/G4/X2
BA9BC-WO5-0915-1	L1678771-22	WO	N	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0006	0.0006 M,U	0.0006 UJ		NG/L	H2
BA9BC-WO5-0915-1	L1678771-22	WO	N	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.0083	0.0083 U	0.0083 UJ		NG/L	H2
BA9BC-WO5-0915-1	L1678771-22	WO	N	o,p'-DDD	0.0021	0.0029 J	0.0029 J	-	NG/L	H2/TR
BA9BC-WO5-0915-1	L1678771-22	WO	N	o,p'-DDE	0.0013	0.0013 J,M	0.0013 J	-	NG/L	H2/TR/G4
BA9BC-WO5-0915-1	L1678771-22	WO	N	o,p'-DDT	0.0059	0.0059 U	0.0059 UJ		NG/L	H2
BA9BC-WO5-0915-1	L1678771-22	WO	N	p,p'-DDD	0.0037	0.0037 U	0.0037 UJ		NG/L	H2/B1
BA9BC-WO5-0915-1	L1678771-22	WO	N	p,p'-DDE	0.0003	0.012 J,B	0.012 J		NG/L	B1/H2/TR
BA9BC-WO5-0915-1	L1678771-22	WO	N	p,p'-DDT	0.0062	0.010 J,B	0.010 J		NG/L	B1/H2/TR/L
BA9BC-WO95-0915-1	L1678771-24	WO	N	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0001	0.0067 J	0.0067 J		NG/L	B1/H2/TR

Automated Data Review Detail Report for L1678771

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1699	Extraction Method: METHOD	Leach Method: NONE									
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason	
BA9BC-WO95-0915-1	L1678771-24	WO	N	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.0039	0.12	0.12 J	-	NG/L	H2	
BA9BC-WO95-0915-1	L1678771-24	WO	N	o,p'-DDD	0.0007	0.0078 J	0.0078 J	-	NG/L	H2/TR	
BA9BC-WO95-0915-1	L1678771-24	WO	N	o,p'-DDE	0.0002	0.030	0.030 J	-	NG/L	H2	
BA9BC-WO95-0915-1	L1678771-24	WO	N	o,p'-DDT	0.0020	0.0020 U	0.0020 UJ		NG/L	H2	
BA9BC-WO95-0915-1	L1678771-24	WO	N	p,p'-DDD	0.017	0.017 J,M	0.017 J		NG/L	B1/H2/TR/G4	
BA9BC-WO95-0915-1	L1678771-24	WO	N	p,p'-DDE	0.0004	0.17	0.17 J		NG/L	H2/B1	
BA9BC-WO95-0915-1	L1678771-24	WO	N	p,p'-DDT	0.0059	0.0050 J,B	0.0059 U		NG/L	B1/H2	
BA9B-WO145-0915-1	L1678771-21	WO	N	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0001	0.018 J	0.018 J		NG/L	B1/H2/TR	
BA9B-WO145-0915-1	L1678771-21	WO	N	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.0023	0.28 M	0.28 J	-	NG/L	H2	
BA9B-WO145-0915-1	L1678771-21	WO	N	o,p'-DDD	0.0009	0.011 J	0.011 J	-	NG/L	H2/TR	
BA9B-WO145-0915-1	L1678771-21	WO	N	o,p'-DDE	0.0003	0.034	0.034 J	-	NG/L	H2	
BA9B-WO145-0915-1	L1678771-21	WO	N	o,p'-DDT	0.0024	0.0024 U	0.0024 UJ		NG/L	H2	
BA9B-WO145-0915-1	L1678771-21	WO	N	p,p'-DDD	0.0015	0.024 M	0.024 J		NG/L	H2/B1/G4	
BA9B-WO145-0915-1	L1678771-21	WO	N	p,p'-DDE	0.0006	0.20	0.20 J		NG/L	H2/B1	
BA9B-WO145-0915-1	L1678771-21	WO	N	p,p'-DDT	0.0026	0.0026 U	0.0026 UJ		NG/L	H2	
BA9B-WO5-0915-1	L1678771-19	WO	N	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0000	0.0000 U	0.0000 UJ		NG/L	H2	
BA9B-WO5-0915-1	L1678771-19	WO	N	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.0062	0.0062 U	0.0062 UJ		NG/L	H2	
BA9B-WO5-0915-1	L1678771-19	WO	N	o,p'-DDD	0.0042	0.0042 J,M	0.0042 J	-	NG/L	H2/TR/G4	
BA9B-WO5-0915-1	L1678771-19	WO	N	o,p'-DDE	0.0001	0.0034 J	0.0034 J	-	NG/L	H2/TR	
BA9B-WO5-0915-1	L1678771-19	WO	N	o,p'-DDT	0.0036	0.0036 J,M	0.0036 U		NG/L	B1/H2/G4	
BA9B-WO5-0915-1	L1678771-19	WO	N	p,p'-DDD	0.0032	0.0032 J,M	0.0032 J		NG/L	B1/H2/TR/G4	
BA9B-WO5-0915-1	L1678771-19	WO	N	p,p'-DDE	0.0003	0.019 J,B	0.019 J		NG/L	B1/H2/TR	
BA9B-WO5-0915-1	L1678771-19	WO	N	p,p'-DDT	0.0037	0.0037 J,M	0.0037 U		NG/L	B1/H2/G4	
BA9B-WO75-0915-1	L1678771-20	WO	N	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0001	0.014 J	0.014 J		NG/L	B1/H2/TR	
BA9B-WO75-0915-1	L1678771-20	WO	N	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.0033	0.18	0.18 J	-	NG/L	H2	

Automated Data Review Detail Report for L1678771

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1699		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
BA9B-WO75-0915-1	L1678771-20	WO	N	o,p'-DDD	0.0058	0.0058 J,M	0.0058 J	-	NG/L	H2/TR/G4
BA9B-WO75-0915-1	L1678771-20	WO	N	o,p'-DDE	0.0011	0.043	0.043 J	-	NG/L	H2
BA9B-WO75-0915-1	L1678771-20	WO	N	o,p'-DDT	0.0041	0.0041 U	0.0041 UJ		NG/L	H2
BA9B-WO75-0915-1	L1678771-20	WO	N	p,p'-DDD	0.0025	0.028 B	0.028 J		NG/L	H2/B1
BA9B-WO75-0915-1	L1678771-20	WO	N	p,p'-DDE	0.0024	0.21 M	0.21 J		NG/L	H2/B1
BA9B-WO75-0915-1	L1678771-20	WO	N	p,p'-DDT	0.0044	0.0093 J,B	0.0093 J		NG/L	B1/H2/TR/L
BA9C-WO30-0915-1	L1678771-26	WO	N	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0027	0.0027 J,M	0.0027 J		NG/L	B1/H2/TR/G4/X2
BA9C-WO30-0915-1	L1678771-26	WO	N	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.0032	0.051 M	0.051 J	-	NG/L	H2/X2
BA9C-WO30-0915-1	L1678771-26	WO	N	o,p'-DDD	0.0011	0.0047 J	0.0047 J	-	NG/L	H2/TR/X2
BA9C-WO30-0915-1	L1678771-26	WO	N	o,p'-DDE	0.0001	0.015 J	0.015 J	-	NG/L	H2/TR/X2
BA9C-WO30-0915-1	L1678771-26	WO	N	o,p'-DDT	0.0027	0.0027 U	0.0027 UJ		NG/L	H2/X2
BA9C-WO30-0915-1	L1678771-26	WO	N	p,p'-DDD	0.0017	0.012 J,B	0.012 J		NG/L	B1/H2/TR/X2
BA9C-WO30-0915-1	L1678771-26	WO	N	p,p'-DDE	0.0003	0.072 B	0.072 J		NG/L	H2/B1/X2
BA9C-WO30-0915-1	L1678771-26	WO	N	p,p'-DDT	0.0031	0.0031 U	0.0031 UJ		NG/L	H2/X2
BA9C-WO5-0915-1	L1678771-25	WO	N	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0003	0.0003 J,M	0.0003 J		NG/L	B1/H2/TR/G4
BA9C-WO5-0915-1	L1678771-25	WO	N	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.0019	0.0056 J	0.0056 J	-	NG/L	H2/TR
BA9C-WO5-0915-1	L1678771-25	WO	N	o,p'-DDD	0.0007	0.0007 U	0.0007 UJ		NG/L	H2
BA9C-WO5-0915-1	L1678771-25	WO	N	o,p'-DDE	0.0009	0.0009 J,M	0.0009 J	-	NG/L	H2/TR/G4
BA9C-WO5-0915-1	L1678771-25	WO	N	o,p'-DDT	0.0019	0.0019 U	0.0019 UJ		NG/L	H2
BA9C-WO5-0915-1	L1678771-25	WO	N	p,p'-DDD	0.0026	0.0026 J,M	0.0026 U		NG/L	B1/H2/G4
BA9C-WO5-0915-1	L1678771-25	WO	N	p,p'-DDE	0.0098	0.0096 J,B	0.0098 U		NG/L	B1/H2
BA9C-WO5-0915-1	L1678771-25	WO	N	p,p'-DDT	0.0032	0.0032 J,M	0.0032 U		NG/L	B1/H2/G4
BA9C-WO55-0915-1	L1678771-27	WO	N	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0004	0.0068 J	0.0068 J	-	NG/L	H2/TR
BA9C-WO55-0915-1	L1678771-27	WO	N	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.0073	0.058	0.058 J	-	NG/L	H2
BA9C-WO55-0915-1	L1678771-27	WO	N	o,p'-DDD	0.0089	0.0089 J,M	0.0089 J	-	NG/L	H2/TR/G4

Automated Data Review Detail Report for L1678771

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1699		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
BA9C-WO55-0915-1	L1678771-27	WO	N	o,p'-DDE	0.0012	0.019 J	0.019 J	-	NG/L	H2/TR
BA9C-WO55-0915-1	L1678771-27	WO	N	o,p'-DDT	0.0079	0.0079 U	0.0079 UJ		NG/L	H2
BA9C-WO55-0915-1	L1678771-27	WO	N	p,p'-DDD	0.0056	0.010 J	0.010 J	-	NG/L	H2/TR
BA9C-WO55-0915-1	L1678771-27	WO	N	p,p'-DDE	0.0024	0.094	0.094 J		NG/L	H2/B1
BA9C-WO55-0915-1	L1678771-27	WO	N	p,p'-DDT	0.019	0.019 U	0.019 UJ		NG/L	H2
BA9C-WO58-0915-1	L1678771-28	WO	N	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0004	0.012 J	0.012 J	-	NG/L	H2/TR/X2
BA9C-WO58-0915-1	L1678771-28	WO	N	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.0087	0.11	0.11 J	-	NG/L	H2/X2
BA9C-WO58-0915-1	L1678771-28	WO	N	o,p'-DDD	0.0090	0.0090 J,M	0.0090 J	-	NG/L	H2/TR/G4/X2
BA9C-WO58-0915-1	L1678771-28	WO	N	o,p'-DDE	0.0009	0.030	0.030 J	-	NG/L	H2/X2
BA9C-WO58-0915-1	L1678771-28	WO	N	o,p'-DDT	0.0040	0.0040 J,M	0.0040 J	-	NG/L	H2/TR/G4/X2
BA9C-WO58-0915-1	L1678771-28	WO	N	p,p'-DDD	0.0023	0.017 J	0.017 J	-	NG/L	H2/TR/X2
BA9C-WO58-0915-1	L1678771-28	WO	N	p,p'-DDE	0.0020	0.14	0.14 J		NG/L	H2/B1/X2
BA9C-WO58-0915-1	L1678771-28	WO	N	p,p'-DDT	0.012	0.012 U	0.012 UJ		NG/L	H2/X2
W5-WO30-0915-1	L1678771-30	WO	N	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0003	0.0018 J	0.0018 J	-	NG/L	H2/TR
W5-WO30-0915-1	L1678771-30	WO	N	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.0063	0.022 J	0.022 J	-	NG/L	H2/TR
W5-WO30-0915-1	L1678771-30	WO	N	o,p'-DDD	0.0015	0.0015 U	0.0015 UJ		NG/L	H2
W5-WO30-0915-1	L1678771-30	WO	N	o,p'-DDE	0.0008	0.0088 J	0.0088 J	-	NG/L	H2/TR
W5-WO30-0915-1	L1678771-30	WO	N	o,p'-DDT	0.0071	0.0071 U	0.0071 UJ		NG/L	H2
W5-WO30-0915-1	L1678771-30	WO	N	p,p'-DDD	0.0051	0.0051 U	0.0051 UJ		NG/L	H2
W5-WO30-0915-1	L1678771-30	WO	N	p,p'-DDE	0.0022	0.040 B	0.040 J		NG/L	H2/B1
W5-WO30-0915-1	L1678771-30	WO	N	p,p'-DDT	0.037	0.037 U	0.037 UJ		NG/L	H2
W5-WO5-0915-1	L1678771-29	WO	N	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0003	0.0009 J	0.0009 J	-	NG/L	H2/TR
W5-WO5-0915-1	L1678771-29	WO	N	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.0078	0.0078 U	0.0078 UJ		NG/L	H2
W5-WO5-0915-1	L1678771-29	WO	N	o,p'-DDD	0.0016	0.0016 U	0.0016 UJ		NG/L	H2
W5-WO5-0915-1	L1678771-29	WO	N	o,p'-DDE	0.0007	0.0032 J	0.0032 J	-	NG/L	H2/TR

Automated Data Review Detail Report for L1678771

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1699		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
W5-WO5-0915-1	L1678771-29	WO	N	o,p'-DDT	0.0089	0.0089 U	0.0089 UJ		NG/L	H2
W5-WO5-0915-1	L1678771-29	WO	N	p,p'-DDD	0.0063	0.0063 U	0.0063 UJ		NG/L	H2
W5-WO5-0915-1	L1678771-29	WO	N	p,p'-DDE	0.0023	0.012 J,B	0.012 J		NG/L	B1/H2/TR
W5-WO5-0915-1	L1678771-29	WO	N	p,p'-DDT	0.038	0.038 U	0.038 UJ		NG/L	H2
W5-WO55-0915-1	L1678771-31	WO	N	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0003	0.0010 J	0.0010 J	-	NG/L	H2/TR/X2
W5-WO55-0915-1	L1678771-31	WO	N	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.0071	0.0071 U	0.0071 UJ		NG/L	H2/X2
W5-WO55-0915-1	L1678771-31	WO	N	o,p'-DDD	0.0016	0.0016 U	0.0016 UJ		NG/L	H2/X2
W5-WO55-0915-1	L1678771-31	WO	N	o,p'-DDE	0.0008	0.0037 J	0.0037 J	-	NG/L	H2/TR/X2
W5-WO55-0915-1	L1678771-31	WO	N	o,p'-DDT	0.0049	0.0049 U	0.0049 UJ		NG/L	H2/X2
W5-WO55-0915-1	L1678771-31	WO	N	p,p'-DDD	0.0035	0.0035 U	0.0035 UJ		NG/L	H2/X2
W5-WO55-0915-1	L1678771-31	WO	N	p,p'-DDE	0.0029	0.020 J,B	0.020 J		NG/L	B1/H2/TR/X2
W5-WO55-0915-1	L1678771-31	WO	N	p,p'-DDT	0.032	0.032 U	0.032 UJ		NG/L	H2/X2
W5-WO58-0915-1	L1678771-32	WO	N	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0003	0.0003 U	0.0003 UJ		NG/L	H2/X2
W5-WO58-0915-1	L1678771-32	WO	N	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.0063	0.0063 U	0.0063 UJ		NG/L	H2/X2
W5-WO58-0915-1	L1678771-32	WO	N	o,p'-DDD	0.0021	0.0021 U	0.0021 UJ		NG/L	H2/X2
W5-WO58-0915-1	L1678771-32	WO	N	o,p'-DDE	0.0017	0.0017 J,M	0.0017 J	-	NG/L	H2/D5/TR/G4/X2
W5-WO58-0915-1	L1678771-32	WO	N	o,p'-DDT	0.010	0.010 U	0.010 UJ		NG/L	H2/X2
W5-WO58-0915-1	L1678771-32	WO	N	p,p'-DDD	0.0074	0.0074 U	0.0074 UJ		NG/L	H2/X2
W5-WO58-0915-1	L1678771-32	WO	N	p,p'-DDE	0.0026	0.011 J,B	0.011 J		NG/L	B1/H2/D5/TR/X2
W5-WO58-0915-1	L1678771-32	WO	N	p,p'-DDT	0.068	0.068 U	0.068 UJ		NG/L	H2/X2
W5-WO58-0915-2	L1678771-33	WO	FD	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0005	0.0005 U	0.0005 UJ		NG/L	H2
W5-WO58-0915-2	L1678771-33	WO	FD	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.029	0.029 U	0.029 UJ		NG/L	H2
W5-WO58-0915-2	L1678771-33	WO	FD	o,p'-DDD	0.0052	0.0052 U	0.0052 UJ		NG/L	H2
W5-WO58-0915-2	L1678771-33	WO	FD	o,p'-DDE	0.0037	0.0037 U	0.0037 UJ		NG/L	H2/D5

Automated Data Review Detail Report for L1678771

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1699		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
W5-WO58-0915-2	L1678771-33	WO	FD	o,p'-DDT	0.035	0.035 U	0.035 UJ		NG/L	H2
W5-WO58-0915-2	L1678771-33	WO	FD	p,p'-DDD	0.025	0.025 U	0.025 UJ		NG/L	H2
W5-WO58-0915-2	L1678771-33	WO	FD	p,p'-DDE	0.011	0.017 J,B	0.017 J		NG/L	B1/H2/D5/TR
W5-WO58-0915-2	L1678771-33	WO	FD	p,p'-DDT	0.19	0.19 U	0.19 UJ		NG/L	H2

Automated Data Review Detail Report for L1678771

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Detected Results

Test Method: E1668C		Extraction Method: METHOD			Leach Method: NONE					
FieldSample ID	LabSample ID	Matrix	Type	Dilution	Analyte	MDL	Lab Result	Qualified Result	Units	Reason
BA6C-WO55-0915-1	L1678771-4	WO	N	1	2,2',3,3',4,4'-HEXACHLOROBIPHENYL	0.15	0.43 J	0.43 J	PG/L	B1/TR
BA6C-WO55-0915-1	L1678771-4	WO	N	1	2,2',3,4,4',5,5'-HEPTACHLOROBIPHENYL	0.18	0.90 J	0.90 J	PG/L	B1/TR
BA6C-WO55-0915-1	L1678771-4	WO	N	1	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	0.17	2.9 J,B	2.9 J	PG/L	B1/TR
BA6C-WO55-0915-1	L1678771-4	WO	N	1	2,2',3,4',5,5',6-HEPTACHLOROBIPHENYL	0.38	0.38 J,M	0.38 J	PG/L	B1/TR/G4
BA6C-WO55-0915-1	L1678771-4	WO	N	1	2,2',3,4',5,6-HEXACHLOROBIPHENYL	1.9	1.9 J,M	1.9 J	PG/L	B1/TR/G4
BA6C-WO55-0915-1	L1678771-4	WO	N	1	2,2',3,4,5'-PENTACHLOROBIPHENYL/2,3',4,4',6-Pentachlorobiphenyl	0.27	4.0 J	4.0 J	PG/L	TR/B1
BA6C-WO55-0915-1	L1678771-4	WO	N	1	2,2',3,5,5',6-HEXACHLOROBIPHENYL	0.20	1.0 J,B	1.0 J	PG/L	TR/B1
BA6C-WO55-0915-1	L1678771-4	WO	N	1	2,2',3,5'-TETRACHLOROBIPHENYL	0.31	9.9 J	9.9 J	PG/L	B1/TR
BA6C-WO55-0915-1	L1678771-4	WO	N	1	2,2',4,4',5,5'-HEXACHLOROBIPHENYL/2,3',4,4',5,6-HEXACHLOROBIPHENYL	0.14	2.0 J,B	2.0 J	PG/L	TR/B1
BA6C-WO55-0915-1	L1678771-4	WO	N	1	2,2',4,4',5-PENTACHLOROBIPHENYL	0.32	3.2 J,B	3.2 J	PG/L	B1/TR
BA6C-WO55-0915-1	L1678771-4	WO	N	1	2,2',4,5,5'-PENTACHLOROBIPHENYL	0.30	5.7 J,B	5.7 J	PG/L	B1/TR
BA6C-WO55-0915-1	L1678771-4	WO	N	1	2,2',4,5'-TETRACHLOROBIPHENYL	0.29	4.1 J,B	4.1 J	PG/L	B1/TR
BA6C-WO55-0915-1	L1678771-4	WO	N	1	2,2',5,5'-TETRACHLOROBIPHENYL	0.38	8.9 J,B	8.9 J	PG/L	B1/TR
BA6C-WO55-0915-1	L1678771-4	WO	N	1	2,2',5-TRICHLOROBIPHENYL	0.37	4.2 J	4.2 J	PG/L	B1/TR
BA6C-WO55-0915-1	L1678771-4	WO	N	1	2,3,3',4,4',6-HEXACHLOROBIPHENYL	0.25	0.25 J,M	0.25 J	PG/L	TR/B1/G4
BA6C-WO55-0915-1	L1678771-4	WO	N	1	2,3,3',4,4'-PENTACHLOROBIPHENYL	0.17	1.6 J	1.6 J	PG/L	B1/TR
BA6C-WO55-0915-1	L1678771-4	WO	N	1	2,3,3',4',6-PENTACHLOROBIPHENYL	0.25	7.6 J	7.6 J	PG/L	B1/TR
BA6C-WO55-0915-1	L1678771-4	WO	N	1	2,3',4,4',5,5'-HEXACHLOROBIPHENYL	0.13	0.19 J	0.19 J	PG/L	TR
BA6C-WO55-0915-1	L1678771-4	WO	N	1	2,3',4,4',5-PENTACHLOROBIPHENYL	0.16	3.9 J,B	3.9 J	PG/L	B1/TR
BA6C-WO55-0915-1	L1678771-4	WO	N	1	2,3',4,4'-TETRACHLOROBIPHENYL	0.29	5.5 J,B	5.5 J	PG/L	B1/TR
BA6C-WO55-0915-1	L1678771-4	WO	N	1	2,4,4'-TRICHLOROBIPHENYL	0.45	7.0 J,B	7.0 J	PG/L	B1/TR
BA6C-WO55-0915-1	L1678771-4	WO	N	1	2,4',5-TRICHLOROBIPHENYL	0.45	5.5 J,B	5.5 J	PG/L	B1/TR
BA6C-WO55-0915-1	L1678771-4	WO	N	1	2,4'-DICHLOROBIPHENYL	3.9	3.9 J,M	3.9 J	PG/L	TR/G4
BA6C-WO55-0915-1	L1678771-4	WO	N	1	3,3',4,4'-TETRACHLOROBIPHENYL	0.30	0.30 J	0.30 J	PG/L	TR

Automated Data Review Detail Report for L1678771

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Detected Results

Test Method: E1668C		Extraction Method: METHOD			Leach Method: NONE					
FieldSample ID	LabSample ID	Matrix	Type	Dilution	Analyte	MDL	Lab Result	Qualified Result	Units	Reason
BA6C-WO55-0915-1	L1678771-4	WO	N	1	PCB061/070/074/076	0.29	9.1 J,B	9.1 J	PG/L	TR/B1
BA7BC-WO50-0915-1	L1678771-6	WO	N	1	2,2',3,4,4',5,5'-HEPTACHLOROBIPHENYL	0.20	0.77 J	0.70 J	PG/L	B1/TR
BA7BC-WO50-0915-1	L1678771-6	WO	N	1	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	0.22	2.3 J,B	2.3 J	PG/L	B1/TR
BA7BC-WO50-0915-1	L1678771-6	WO	N	1	2,2',3,4',5,5',6-HEPTACHLOROBIPHENYL	0.29	0.29 J,M	0.29 J	PG/L	B1/TR/G4
BA7BC-WO50-0915-1	L1678771-6	WO	N	1	2,2',3,4,5'-PENTACHLOROBIPHENYL/2,3',4,4',6-Pentachlorobiphenyl	0.47	3.6 J	3.6 J	PG/L	TR/B1
BA7BC-WO50-0915-1	L1678771-6	WO	N	1	2,2',3,5,5',6-HEXACHLOROBIPHENYL	0.80	0.80 J,M	0.80 J	PG/L	TR/B1/G4
BA7BC-WO50-0915-1	L1678771-6	WO	N	1	2,2',3,5'-TETRACHLOROBIPHENYL	0.43	8.2 J	8.2 J	PG/L	B1/TR
BA7BC-WO50-0915-1	L1678771-6	WO	N	1	2,2',4,4',5,5'-HEXACHLOROBIPHENYL/2,3',4,4',5',6-HEXACHLOROBIPHENYL	0.19	1.7 J,B	1.7 J	PG/L	TR/B1
BA7BC-WO50-0915-1	L1678771-6	WO	N	1	2,2',4,4',5-PENTACHLOROBIPHENYL	0.55	2.3 J,B	2.3 J	PG/L	B1/TR
BA7BC-WO50-0915-1	L1678771-6	WO	N	1	2,2',4,5,5'-PENTACHLOROBIPHENYL	4.2	4.2 J,M	4.2 J	PG/L	B1/TR/G4
BA7BC-WO50-0915-1	L1678771-6	WO	N	1	2,2',4,5'-TETRACHLOROBIPHENYL	0.40	3.3 J,B	3.3 J	PG/L	B1/TR
BA7BC-WO50-0915-1	L1678771-6	WO	N	1	2,2',5,5'-TETRACHLOROBIPHENYL	0.51	7.1 J,B	7.1 J	PG/L	B1/TR
BA7BC-WO50-0915-1	L1678771-6	WO	N	1	2,2',5-TRICHLOROBIPHENYL	3.6	3.6 J,M	3.6 J	PG/L	B1/TR/G4
BA7BC-WO50-0915-1	L1678771-6	WO	N	1	2,3,3',4,4',6-HEXACHLOROBIPHENYL	0.16	0.25 J	0.25 J	PG/L	TR/B1
BA7BC-WO50-0915-1	L1678771-6	WO	N	1	2,3,3',4,4'-PENTACHLOROBIPHENYL	0.91	0.91 J,M	0.91 J	PG/L	B1/TR/G4
BA7BC-WO50-0915-1	L1678771-6	WO	N	1	2,3,3',4',6-PENTACHLOROBIPHENYL	0.43	6.3 J	6.3 J	PG/L	B1/TR
BA7BC-WO50-0915-1	L1678771-6	WO	N	1	2,3',4,4',5-PENTACHLOROBIPHENYL	2.6	2.6 J,M	2.6 J	PG/L	B1/TR/G4
BA7BC-WO50-0915-1	L1678771-6	WO	N	1	2,3',4,4'-TETRACHLOROBIPHENYL	0.36	4.4 J,B	4.4 J	PG/L	B1/TR
BA7BC-WO50-0915-1	L1678771-6	WO	N	1	2,4,4'-TRICHLOROBIPHENYL	0.59	6.3 J,B	6.3 J	PG/L	B1/TR
BA7BC-WO50-0915-1	L1678771-6	WO	N	1	2,4',5-TRICHLOROBIPHENYL	4.5	4.5 J,M	4.5 J	PG/L	B1/TR/G4
BA7BC-WO50-0915-1	L1678771-6	WO	N	1	3,4,4'-TRICHLOROBIPHENYL	0.67	1.8 J,B	1.8 J	PG/L	B1/TR
BA7BC-WO50-0915-1	L1678771-6	WO	N	1	PCB061/070/074/076	0.36	7.6 J,B	7.6 J	PG/L	TR/B1
BA7BC-WO5-0915-1	L1678771-5	WO	N	1	2,2',3,3',4,4'-HEXACHLOROBIPHENYL	0.18	0.28 J	0.28 J	PG/L	B1/TR
BA7BC-WO5-0915-1	L1678771-5	WO	N	1	2,2',3,4',5,5',6-HEPTACHLOROBIPHENYL	0.39	0.39 J,M	0.39 J	PG/L	B1/TR/G4

Automated Data Review Detail Report for L1678771

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Detected Results

Test Method: E1668C		Extraction Method: METHOD			Leach Method: NONE					
FieldSample ID	LabSample ID	Matrix	Type	Dilution	Analyte	MDL	Lab Result	Qualified Result	Units	Reason
BA7BC-WO95-0915-1	L1678771-7	WO	N	1	2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	0.63	5.4 J,B	5.4 J	PG/L	TR/B1
BA7BC-WO95-0915-1	L1678771-7	WO	N	1	2,2',3,3',4,4',5-HEPTACHLOROBIPHENYL	0.51	0.51 J,M	0.51 J	PG/L	B1/TR/G4
BA7BC-WO95-0915-1	L1678771-7	WO	N	1	2,2',3,3',4,4'-HEXACHLOROBIPHENYL	0.72	0.72 J,M	0.72 J	PG/L	B1/TR/G4
BA7BC-WO95-0915-1	L1678771-7	WO	N	1	2,2',3,3',4,5,6'-HEPTACHLOROBIPHENYL	0.30	0.47 J	0.47 J	PG/L	TR
BA7BC-WO95-0915-1	L1678771-7	WO	N	1	2,2',3,4,4',5,5'-HEPTACHLOROBIPHENYL	1.2	1.2 J,M	1.2 J	PG/L	B1/TR/G4
BA7BC-WO95-0915-1	L1678771-7	WO	N	1	2,2',3,4,4',5,6'-HEPTACHLOROBIPHENYL	0.26	0.44 J	0.44 J	PG/L	TR
BA7BC-WO95-0915-1	L1678771-7	WO	N	1	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	0.17	5.6 J,B	5.6 J	PG/L	B1/TR
BA7BC-WO95-0915-1	L1678771-7	WO	N	1	2,2',3,4',5,5',6'-HEPTACHLOROBIPHENYL	0.23	0.70 J	0.70 J	PG/L	B1/TR
BA7BC-WO95-0915-1	L1678771-7	WO	N	1	2,2',3,4',5,6'-HEXACHLOROBIPHENYL	0.17	4.3 J,B	4.3 J	PG/L	B1/TR
BA7BC-WO95-0915-1	L1678771-7	WO	N	1	2,2',3,4,5'-PENTACHLOROBIPHENYL/2,3',4,4',6-Pentachlorobiphenyl	0.29	6.8 J	6.8 J	PG/L	TR/B1
BA7BC-WO95-0915-1	L1678771-7	WO	N	1	2,2',3,5,5',6'-HEXACHLOROBIPHENYL	0.15	2.0 J,B	2.0 J	PG/L	TR/B1
BA7BC-WO95-0915-1	L1678771-7	WO	N	1	2,2',3,5'-TETRACHLOROBIPHENYL	0.26	12.5 J	12.5 J	PG/L	B1/TR
BA7BC-WO95-0915-1	L1678771-7	WO	N	1	2,2',4,4',5,5'-HEXACHLOROBIPHENYL/2,3',4,4',5',6'-HEXACHLOROBIPHENYL	0.15	4.0 J,B	4.0 J	PG/L	TR/B1
BA7BC-WO95-0915-1	L1678771-7	WO	N	1	2,2',4,4',5-PENTACHLOROBIPHENYL	0.35	5.5 J,B	5.5 J	PG/L	B1/TR
BA7BC-WO95-0915-1	L1678771-7	WO	N	1	2,2',4,5,5'-PENTACHLOROBIPHENYL	0.32	9.4 J,B	9.4 J	PG/L	B1/TR
BA7BC-WO95-0915-1	L1678771-7	WO	N	1	2,2',4,5'-TETRACHLOROBIPHENYL	0.25	5.7 J,B	5.7 J	PG/L	B1/TR
BA7BC-WO95-0915-1	L1678771-7	WO	N	1	2,2',5,5'-TETRACHLOROBIPHENYL	0.31	12.0 J,B	12.0 J	PG/L	B1/TR
BA7BC-WO95-0915-1	L1678771-7	WO	N	1	2,2',5-TRICHLOROBIPHENYL	0.41	4.0 J	4.0 J	PG/L	B1/TR
BA7BC-WO95-0915-1	L1678771-7	WO	N	1	2,3,3',4,4',5'-Hexachlorobiphenyl/2,3,3',4,4',5'-Hexachlorobiphenyl	0.42	0.42 J,M	0.42 J	PG/L	B1/TR/G4
BA7BC-WO95-0915-1	L1678771-7	WO	N	1	2,3,3',4,4',6-HEXACHLOROBIPHENYL	0.45	0.45 J,M	0.45 J	PG/L	TR/B1/G4
BA7BC-WO95-0915-1	L1678771-7	WO	N	1	2,3,3',4,4'-PENTACHLOROBIPHENYL	0.22	2.9 J	2.9 J	PG/L	B1/TR
BA7BC-WO95-0915-1	L1678771-7	WO	N	1	2,3,3',4',6-PENTACHLOROBIPHENYL	0.27	12.0 J	12.0 J	PG/L	B1/TR

Automated Data Review Detail Report for L1678771

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Detected Results

Test Method: E1668C		Extraction Method: METHOD			Leach Method: NONE					
FieldSample ID	LabSample ID	Matrix	Type	Dilution	Analyte	MDL	Lab Result	Qualified Result	Units	Reason
BA7BC-WO95-0915-1	L1678771-7	WO	N	1	2,3',4,4',5,5'-HEXACHLOROBIPHENYL	0.12	0.22 J	0.22 J	PG/L	TR
BA7BC-WO95-0915-1	L1678771-7	WO	N	1	2,3',4,4',5-PENTACHLOROBIPHENYL	0.21	7.2 J,B	7.2 J	PG/L	B1/TR
BA7BC-WO95-0915-1	L1678771-7	WO	N	1	2,3',4,4'-TETRACHLOROBIPHENYL	0.29	9.9 J,B	9.9 J	PG/L	B1/TR
BA7BC-WO95-0915-1	L1678771-7	WO	N	1	2,4,4'-TRICHLOROBIPHENYL	0.39	7.9 J,B	7.9 J	PG/L	B1/TR
BA7BC-WO95-0915-1	L1678771-7	WO	N	1	2,4',5-TRICHLOROBIPHENYL	0.38	6.2 J,B	6.2 J	PG/L	B1/TR
BA7BC-WO95-0915-1	L1678771-7	WO	N	1	3,3',4,4'-TETRACHLOROBIPHENYL	0.52	0.52 J,M	0.52 J	PG/L	TR/G4
BA7BC-WO95-0915-1	L1678771-7	WO	N	1	3,4,4'-TRICHLOROBIPHENYL	0.46	1.8 J,B	1.8 J	PG/L	B1/TR
BA7BC-WO95-0915-1	L1678771-7	WO	N	1	PCB061/070/074/076	0.29	15.1 J,B	15.1 J	PG/L	TR/B1
BA7B-WO145-0915-1	L1678771-3	WO	N	1	2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	0.51	5.1 J,B	5.1 J	PG/L	TR/B1
BA7B-WO145-0915-1	L1678771-3	WO	N	1	2,2',3,3',4,4',5-HEPTACHLOROBIPHENYL	0.38	0.38 J,M	0.38 J	PG/L	B1/TR/G4
BA7B-WO145-0915-1	L1678771-3	WO	N	1	2,2',3,3',4,4'-HEXACHLOROBIPHENYL	0.18	0.75 J	0.75 J	PG/L	B1/TR
BA7B-WO145-0915-1	L1678771-3	WO	N	1	2,2',3,3',4,5',6'-HEPTACHLOROBIPHENYL	0.40	0.40 J,M	0.40 J	PG/L	TR/G4
BA7B-WO145-0915-1	L1678771-3	WO	N	1	2,2',3,4,4',5,5'-HEPTACHLOROBIPHENYL	0.20	1.0 J	1.0 J	PG/L	B1/TR
BA7B-WO145-0915-1	L1678771-3	WO	N	1	2,2',3,4,4',5',6-HEPTACHLOROBIPHENYL	0.36	0.36 J,M	0.36 J	PG/L	TR/G4
BA7B-WO145-0915-1	L1678771-3	WO	N	1	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	0.20	4.0 J,B	4.0 J	PG/L	B1/TR
BA7B-WO145-0915-1	L1678771-3	WO	N	1	2,2',3,4',5,5',6-HEPTACHLOROBIPHENYL	0.51	0.51 J,M	0.51 J	PG/L	B1/TR/G4
BA7B-WO145-0915-1	L1678771-3	WO	N	1	2,2',3,4',5',6-HEXACHLOROBIPHENYL	0.20	2.7 J,B	2.7 J	PG/L	B1/TR
BA7B-WO145-0915-1	L1678771-3	WO	N	1	2,2',3,4,5'-PENTACHLOROBIPHENYL/2,3',4,4',6-Pentachlorobiphenyl	0.25	4.6 J	4.6 J	PG/L	TR/B1
BA7B-WO145-0915-1	L1678771-3	WO	N	1	2,2',3,5,5',6-HEXACHLOROBIPHENYL	0.27	1.5 J,B	1.5 J	PG/L	TR/B1
BA7B-WO145-0915-1	L1678771-3	WO	N	1	2,2',3,5'-TETRACHLOROBIPHENYL	0.26	9.2 J	9.2 J	PG/L	B1/TR
BA7B-WO145-0915-1	L1678771-3	WO	N	1	2,2',4,4',5,5'-HEXACHLOROBIPHENYL/2,3',4,4',5',6-HEXACHLOROBIPHENYL	2.6	2.6 J,M	2.6 J	PG/L	TR/B1/G4
BA7B-WO145-0915-1	L1678771-3	WO	N	1	2,2',4,4',5-PENTACHLOROBIPHENYL	0.30	3.7 J,B	3.7 J	PG/L	B1/TR
BA7B-WO145-0915-1	L1678771-3	WO	N	1	2,2',4,5,5'-PENTACHLOROBIPHENYL	0.27	6.0 J,B	6.0 J	PG/L	B1/TR

Automated Data Review Detail Report for L1678771

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Detected Results

Test Method: E1668C		Extraction Method: METHOD			Leach Method: NONE					
FieldSample ID	LabSample ID	Matrix	Type	Dilution	Analyte	MDL	Lab Result	Qualified Result	Units	Reason
BA7B-WO145-0915-1	L1678771-3	WO	N	1	2,2',4,5'-TETRACHLOROBIPHENYL	0.25	3.8 J,B	3.8 J	PG/L	B1/TR
BA7B-WO145-0915-1	L1678771-3	WO	N	1	2,2',5,5'-TETRACHLOROBIPHENYL	0.31	9.1 J,B	9.1 J	PG/L	B1/TR
BA7B-WO145-0915-1	L1678771-3	WO	N	1	2,2',5-TRICHLOROBIPHENYL	0.38	3.9 J	3.9 J	PG/L	B1/TR
BA7B-WO145-0915-1	L1678771-3	WO	N	1	2,3,3',4,4',5'-Hexachlorobiphenyl/2,3,3',4,4',5'-Hexachlorobiphenyl	0.20	0.40 J,B	0.40 J	PG/L	B1/TR
BA7B-WO145-0915-1	L1678771-3	WO	N	1	2,3,3',4,4',6-HEXACHLOROBIPHENYL	0.15	0.39 J	0.39 J	PG/L	TR/B1
BA7B-WO145-0915-1	L1678771-3	WO	N	1	2,3,3',4,4'-PENTACHLOROBIPHENYL	2.3	2.3 J,M	2.3 J	PG/L	B1/TR/G4
BA7B-WO145-0915-1	L1678771-3	WO	N	1	2,3,3',4',6-PENTACHLOROBIPHENYL	0.23	8.2 J	8.2 J	PG/L	B1/TR
BA7B-WO145-0915-1	L1678771-3	WO	N	1	2,3',4,4',5-PENTACHLOROBIPHENYL	0.19	5.0 J,B	5.0 J	PG/L	B1/TR
BA7B-WO145-0915-1	L1678771-3	WO	N	1	2,3',4,4'-TETRACHLOROBIPHENYL	0.31	5.5 J,B	5.5 J	PG/L	B1/TR
BA7B-WO145-0915-1	L1678771-3	WO	N	1	2,4,4'-TRICHLOROBIPHENYL	0.36	6.8 J,B	6.8 J	PG/L	B1/TR
BA7B-WO145-0915-1	L1678771-3	WO	N	1	2,4',5-TRICHLOROBIPHENYL	0.36	5.6 J,B	5.6 J	PG/L	B1/TR
BA7B-WO145-0915-1	L1678771-3	WO	N	1	PCB061/070/074/076	0.31	9.0 J,B	9.0 J	PG/L	TR/B1
BA7B-WO5-0915-1	L1678771-1	WO	N	1	2,2',3,3',4,4'-HEXACHLOROBIPHENYL	0.15	0.32 J	0.32 J	PG/L	B1/TR
BA7B-WO5-0915-1	L1678771-1	WO	N	1	2,2',3,4,5'-PENTACHLOROBIPHENYL/2,3',4,4',6-Pentachlorobiphenyl	1.3	1.3 J,M	1.3 J	PG/L	TR/B1/G4
BA7B-WO75-0915-1	L1678771-2	WO	N	1	2,2',3,3',4,4'-HEXACHLOROBIPHENYL	0.13	0.28 J	0.28 J	PG/L	B1/TR
BA7B-WO75-0915-1	L1678771-2	WO	N	1	2,2',3,4',5,5',6-HEPTACHLOROBIPHENYL	0.27	0.27 J,M	0.27 J	PG/L	B1/TR/G4
BA7B-WO75-0915-1	L1678771-2	WO	N	1	2,2',3,4,5'-PENTACHLOROBIPHENYL/2,3',4,4',6-Pentachlorobiphenyl	1.4	1.4 J,M	1.4 J	PG/L	TR/B1/G4
BA7B-WO75-0915-1	L1678771-2	WO	N	1	2,2',4,4',5,5'-HEXACHLOROBIPHENYL/2,3',4,4',5',6-HEXACHLOROBIPHENYL	0.12	1.1 J,B	1.1 J	PG/L	TR/B1
BA7B-WO75-0915-1	L1678771-2	WO	N	1	2,2',4,4',5-PENTACHLOROBIPHENYL	0.72	1.1 J,B	0.72 J	PG/L	B1
BA7B-WO75-0915-1	L1678771-2	WO	N	1	2,3,3',4,4'-PENTACHLOROBIPHENYL	0.17	0.80 J	0.80 J	PG/L	B1/TR
BA7B-WO75-0915-1	L1678771-2	WO	N	1	2,3,3',4',6-PENTACHLOROBIPHENYL	0.23	3.0 J	3.0 J	PG/L	B1/TR
BA7B-WO75-0915-1	L1678771-2	WO	N	1	2,3',4,4',5-PENTACHLOROBIPHENYL	0.16	1.7 J,B	1.7 J	PG/L	B1/TR
BA7B-WO75-0915-1	L1678771-2	WO	N	1	2,3',4,4'-TETRACHLOROBIPHENYL	0.31	1.5 J,B	1.5 J	PG/L	B1/TR

Automated Data Review Detail Report for L1678771

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Detected Results

Test Method: E1668C		Extraction Method: METHOD			Leach Method: NONE					
FieldSample ID	LabSample ID	Matrix	Type	Dilution	Analyte	MDL	Lab Result	Qualified Result	Units	Reason
BA7B-WO75-0915-1	L1678771-2	WO	N	1	PCB061/070/074/076	0.31	3.3 J,B	3.3 J	PG/L	TR/B1
BA8BC-WO50-0915-1	L1678771-12	WO	N	1	2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	0.12	1.7 J	1.7 J	PG/L	TR/B1
BA8BC-WO50-0915-1	L1678771-12	WO	N	1	2,2',3,3',4,4'-HEXACHLOROBIPHENYL	0.33	0.33 J,M	0.33 J	PG/L	B1/TR/G4
BA8BC-WO50-0915-1	L1678771-12	WO	N	1	2,2',3,3',4,5',6'-HEPTACHLOROBIPHENYL	0.25	0.25 J,M	0.25 J	PG/L	TR/G4
BA8BC-WO50-0915-1	L1678771-12	WO	N	1	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	0.14	2.2 J,B	2.2 J	PG/L	B1/TR
BA8BC-WO50-0915-1	L1678771-12	WO	N	1	2,2',3,4',5,5',6'-HEPTACHLOROBIPHENYL	0.12	0.38 J	0.38 J	PG/L	B1/TR
BA8BC-WO50-0915-1	L1678771-12	WO	N	1	2,2',3,4,5'-PENTACHLOROBIPHENYL/2,3',4,4',6-Pentachlorobiphenyl	0.17	2.5 J	2.5 J	PG/L	TR
BA8BC-WO50-0915-1	L1678771-12	WO	N	1	2,2',3,5,5',6-HEXACHLOROBIPHENYL	0.15	0.80 J	0.80 J	PG/L	TR/B1
BA8BC-WO50-0915-1	L1678771-12	WO	N	1	2,2',3,5'-TETRACHLOROBIPHENYL	0.21	5.9 J,B	5.9 J	PG/L	B1/TR
BA8BC-WO50-0915-1	L1678771-12	WO	N	1	2,2',4,4',5,5'-HEXACHLOROBIPHENYL/2,3',4,4',5,6-HEXACHLOROBIPHENYL	1.5	1.5 J,M	1.5 J	PG/L	TR/B1/G4
BA8BC-WO50-0915-1	L1678771-12	WO	N	1	2,2',4,4',5-PENTACHLOROBIPHENYL	0.21	1.8 J	1.8 J	PG/L	TR
BA8BC-WO50-0915-1	L1678771-12	WO	N	1	2,2',4,5,5'-PENTACHLOROBIPHENYL	3.1	3.1 J,M	3.1 J	PG/L	B1/TR/G4
BA8BC-WO50-0915-1	L1678771-12	WO	N	1	2,2',4,5'-TETRACHLOROBIPHENYL	0.19	2.3 J	2.3 J	PG/L	B1/TR
BA8BC-WO50-0915-1	L1678771-12	WO	N	1	2,2',5,5'-TETRACHLOROBIPHENYL	0.25	4.8 J,B	4.8 J	PG/L	B1/TR
BA8BC-WO50-0915-1	L1678771-12	WO	N	1	2,2',5-TRICHLOROBIPHENYL	0.32	2.4 J	2.4 J	PG/L	B1/TR
BA8BC-WO50-0915-1	L1678771-12	WO	N	1	2,3,3',4,4',5'-Hexachlorobiphenyl/2,3,3',4,4',5'-Hexachlorobiphenyl	0.25	0.25 J,M	0.25 J	PG/L	TR/G4
BA8BC-WO50-0915-1	L1678771-12	WO	N	1	2,3,3',4,4',6-HEXACHLOROBIPHENYL	0.10	0.19 J	0.19 J	PG/L	TR
BA8BC-WO50-0915-1	L1678771-12	WO	N	1	2,3,3',4,4'-PENTACHLOROBIPHENYL	0.96	0.96 J,M	0.96 J	PG/L	TR/G4
BA8BC-WO50-0915-1	L1678771-12	WO	N	1	2,3,3',4',6-PENTACHLOROBIPHENYL	0.16	4.5 J	4.5 J	PG/L	B1/TR
BA8BC-WO50-0915-1	L1678771-12	WO	N	1	2,3',4,4',5-PENTACHLOROBIPHENYL	0.13	1.9 J,B	1.9 J	PG/L	B1/TR
BA8BC-WO50-0915-1	L1678771-12	WO	N	1	2,3',4,4'-TETRACHLOROBIPHENYL	0.21	3.2 J,B	3.2 J	PG/L	B1/TR
BA8BC-WO50-0915-1	L1678771-12	WO	N	1	2,4,4'-TRICHLOROBIPHENYL	3.1	3.1 J,M	3.1 J	PG/L	B1/TR/G4
BA8BC-WO50-0915-1	L1678771-12	WO	N	1	2,4',5-TRICHLOROBIPHENYL	0.41	2.8 J,B	2.8 J	PG/L	B1/TR
BA8BC-WO50-0915-1	L1678771-12	WO	N	1	3,4,4'-TRICHLOROBIPHENYL	0.52	0.52 J,M	0.52 J	PG/L	TR/G4

Automated Data Review Detail Report for L1678771

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Detected Results

Test Method: E1668C		Extraction Method: METHOD			Leach Method: NONE					
FieldSample ID	LabSample ID	Matrix	Type	Dilution	Analyte	MDL	Lab Result	Qualified Result	Units	Reason
BA8BC-WO50-0915-1	L1678771-12	WO	N	1	PCB061/070/074/076	0.21	4.8 J,B	4.8 J	PG/L	TR/B1
BA8BC-WO5-0915-1	L1678771-11	WO	N	1	2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	3.3	3.3 J,M	3.3 J	PG/L	TR/G4/B1
BA8BC-WO5-0915-1	L1678771-11	WO	N	1	2,2',3,3',4,4'-HEXACHLOROBIPHENYL	0.16	0.36 J	0.36 J	PG/L	B1/TR
BA8BC-WO5-0915-1	L1678771-11	WO	N	1	2,2',3,4,5'-PENTACHLOROBIPHENYL/2,3',4,4',6-Pentachlorobiphenyl	0.25	1.6 J	1.6 J	PG/L	TR/B1
BA8BC-WO5-0915-1	L1678771-11	WO	N	1	2,2',4,4',5,5'-HEXACHLOROBIPHENYL/2,3',4,4',5,6-HEXACHLOROBIPHENYL	0.16	1.1 J,B	1.1 J	PG/L	TR/B1
BA8BC-WO5-0915-1	L1678771-11	WO	N	1	2,2',4,4',5-PENTACHLOROBIPHENYL	0.29	0.79 J,B	0.79 J	PG/L	B1/TR
BA8BC-WO5-0915-1	L1678771-11	WO	N	1	2,3,3',4,4'-PENTACHLOROBIPHENYL	0.65	0.65 J,M	0.65 J	PG/L	B1/TR/G4
BA8BC-WO5-0915-1	L1678771-11	WO	N	1	2,4,4'-TRICHLOROBIPHENYL	0.31	4.9 J,B	4.9 J	PG/L	B1/TR
BA8BC-WO5-0915-1	L1678771-11	WO	N	1	2,4',5-TRICHLOROBIPHENYL	0.31	4.0 J,B	4.0 J	PG/L	B1/TR
BA8BC-WO95-0915-1	L1678771-13	WO	N	1	2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	0.22	1.8 J	1.8 J	PG/L	TR/B1
BA8BC-WO95-0915-1	L1678771-13	WO	N	1	2,2',3,3',4,4',5-HEPTACHLOROBIPHENYL	0.28	0.54 J	0.54 J	PG/L	TR
BA8BC-WO95-0915-1	L1678771-13	WO	N	1	2,2',3,3',4,4'-HEXACHLOROBIPHENYL	0.17	0.41 J,B	0.41 J	PG/L	B1/TR
BA8BC-WO95-0915-1	L1678771-13	WO	N	1	2,2',3,3',4,5,6'-HEPTACHLOROBIPHENYL	0.40	0.40 J,M	0.40 J	PG/L	TR/G4
BA8BC-WO95-0915-1	L1678771-13	WO	N	1	2,2',3,4,4',5,5'-HEPTACHLOROBIPHENYL	0.23	0.80 J,B	0.80 J	PG/L	B1
BA8BC-WO95-0915-1	L1678771-13	WO	N	1	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	0.19	3.7 J,B	3.7 J	PG/L	B1/TR
BA8BC-WO95-0915-1	L1678771-13	WO	N	1	2,2',3,4',5,6-HEXACHLOROBIPHENYL	0.19	2.3 J,B	2.3 J	PG/L	B1/TR
BA8BC-WO95-0915-1	L1678771-13	WO	N	1	2,2',3,4,5'-PENTACHLOROBIPHENYL/2,3',4,4',6-Pentachlorobiphenyl	0.35	5.1 J	5.1 J	PG/L	TR
BA8BC-WO95-0915-1	L1678771-13	WO	N	1	2,2',3,5,5',6-HEXACHLOROBIPHENYL	1.1	1.1 J,M	1.1 J	PG/L	TR/B1/G4
BA8BC-WO95-0915-1	L1678771-13	WO	N	1	2,2',3,5'-TETRACHLOROBIPHENYL	0.34	9.1 J,B	9.1 J	PG/L	B1
BA8BC-WO95-0915-1	L1678771-13	WO	N	1	2,2',4,4',5,5'-HEXACHLOROBIPHENYL/2,3',4,4',5,6-HEXACHLOROBIPHENYL	0.16	2.9 J,B	2.9 J	PG/L	TR/B1
BA8BC-WO95-0915-1	L1678771-13	WO	N	1	2,2',4,4',5-PENTACHLOROBIPHENYL	0.42	3.5 J	3.5 J	PG/L	TR
BA8BC-WO95-0915-1	L1678771-13	WO	N	1	2,2',4,5,5'-PENTACHLOROBIPHENYL	0.38	6.8 J,B	6.8 J	PG/L	B1/TR

Automated Data Review Detail Report for L1678771

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Detected Results

Test Method: E1668C		Extraction Method: METHOD			Leach Method: NONE					
FieldSample ID	LabSample ID	Matrix	Type	Dilution	Analyte	MDL	Lab Result	Qualified Result	Units	Reason
BA8BC-WO95-0915-1	L1678771-13	WO	N	1	2,2',4,5'-TETRACHLOROBIPHENYL	4.0	4.0 J,M	4.0 J	PG/L	B1/TR/G4
BA8BC-WO95-0915-1	L1678771-13	WO	N	1	2,2',5,5'-TETRACHLOROBIPHENYL	0.41	8.6 J,B	8.6 J	PG/L	B1/TR
BA8BC-WO95-0915-1	L1678771-13	WO	N	1	2,2',5-TRICHLOROBIPHENYL	0.52	2.5 J	2.5 J	PG/L	B1/TR
BA8BC-WO95-0915-1	L1678771-13	WO	N	1	2,3,3',4,4',5'-Hexachlorobiphenyl/2,3,3',4,4',5'-Hexachlorobiphenyl	0.40	0.40 J,M	0.40 J	PG/L	TR/G4
BA8BC-WO95-0915-1	L1678771-13	WO	N	1	2,3,3',4,4',6-HEXACHLOROBIPHENYL	0.14	0.25 J	0.25 J	PG/L	TR
BA8BC-WO95-0915-1	L1678771-13	WO	N	1	2,3,3',4,4'-PENTACHLOROBIPHENYL	0.26	2.0 J	2.0 J	PG/L	TR
BA8BC-WO95-0915-1	L1678771-13	WO	N	1	2,3,3',4',6-PENTACHLOROBIPHENYL	0.32	8.0 J	8.0 J	PG/L	B1/TR
BA8BC-WO95-0915-1	L1678771-13	WO	N	1	2,3',4,4',5-PENTACHLOROBIPHENYL	0.25	5.5 J,B	5.5 J	PG/L	B1/TR
BA8BC-WO95-0915-1	L1678771-13	WO	N	1	2,3',4,4'-TETRACHLOROBIPHENYL	0.38	6.9 J,B	6.9 J	PG/L	B1/TR
BA8BC-WO95-0915-1	L1678771-13	WO	N	1	2,4,4'-TRICHLOROBIPHENYL	0.55	4.8 J	4.8 J	PG/L	B1/TR
BA8BC-WO95-0915-1	L1678771-13	WO	N	1	2,4',5-TRICHLOROBIPHENYL	0.54	3.8 J,B	3.8 J	PG/L	B1
BA8BC-WO95-0915-1	L1678771-13	WO	N	1	3,4,4'-TRICHLOROBIPHENYL	1.1	1.1 J,M	1.1 J	PG/L	TR/G4
BA8BC-WO95-0915-1	L1678771-13	WO	N	1	PCB061/070/074/076	0.38	9.5 J,B	9.5 J	PG/L	TR/B1
BA8B-WO145-0915-1	L1678771-10	WO	N	1	2,2',3,3',4,4'-HEXACHLOROBIPHENYL	0.11	0.32 J	0.32 J	PG/L	B1/TR
BA8B-WO145-0915-1	L1678771-10	WO	N	1	2,2',3,4,4',5,5'-HEPTACHLOROBIPHENYL	0.54	0.54 J,M	0.54 J	PG/L	B1/TR/G4
BA8B-WO145-0915-1	L1678771-10	WO	N	1	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	0.12	2.8 J,B	2.8 J	PG/L	B1/TR
BA8B-WO145-0915-1	L1678771-10	WO	N	1	2,2',3,4',5,5',6-HEPTACHLOROBIPHENYL	0.24	0.39 J	0.39 J	PG/L	B1
BA8B-WO145-0915-1	L1678771-10	WO	N	1	2,2',3,4',5',6-HEXACHLOROBIPHENYL	0.12	1.9 J,B	1.9 J	PG/L	B1/TR
BA8B-WO145-0915-1	L1678771-10	WO	N	1	2,2',3,4,5'-PENTACHLOROBIPHENYL/2,3',4,4',6-Pentachlorobiphenyl	0.21	3.8 J	3.8 J	PG/L	TR/B1
BA8B-WO145-0915-1	L1678771-10	WO	N	1	2,2',3,5,5',6-HEXACHLOROBIPHENYL	0.86	0.86 J,M	0.86 J	PG/L	TR/B1/G4
BA8B-WO145-0915-1	L1678771-10	WO	N	1	2,2',3,5'-TETRACHLOROBIPHENYL	0.23	7.7 J	7.7 J	PG/L	B1/TR
BA8B-WO145-0915-1	L1678771-10	WO	N	1	2,2',4,4',5,5'-HEXACHLOROBIPHENYL/2,3',4,4',5',6-HEXACHLOROBIPHENYL	0.10	2.2 J,B	2.2 J	PG/L	TR/B1
BA8B-WO145-0915-1	L1678771-10	WO	N	1	2,2',4,4',5-PENTACHLOROBIPHENYL	0.25	2.9 J,B	2.9 J	PG/L	B1/TR
BA8B-WO145-0915-1	L1678771-10	WO	N	1	2,2',4,5,5'-PENTACHLOROBIPHENYL	0.23	4.9 J,B	4.9 J	PG/L	B1/TR

Automated Data Review Detail Report for L1678771

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Detected Results

Test Method: E1668C		Extraction Method: METHOD			Leach Method: NONE					
FieldSample ID	LabSample ID	Matrix	Type	Dilution	Analyte	MDL	Lab Result	Qualified Result	Units	Reason
BA8B-WO145-0915-1	L1678771-10	WO	N	1	2,2',4,5'-TETRACHLOROBIPHENYL	0.22	3.5 J,B	3.5 J	PG/L	B1/TR
BA8B-WO145-0915-1	L1678771-10	WO	N	1	2,2',5,5'-TETRACHLOROBIPHENYL	0.28	7.4 J,B	7.4 J	PG/L	B1/TR
BA8B-WO145-0915-1	L1678771-10	WO	N	1	2,3,3',4,4'-PENTACHLOROBIPHENYL	0.21	1.8 J	1.8 J	PG/L	B1/TR
BA8B-WO145-0915-1	L1678771-10	WO	N	1	2,3,3',4',6-PENTACHLOROBIPHENYL	0.19	6.9 J	6.9 J	PG/L	B1/TR
BA8B-WO145-0915-1	L1678771-10	WO	N	1	2,3',4,4',5-PENTACHLOROBIPHENYL	0.20	3.8 J,B	3.8 J	PG/L	B1/TR
BA8B-WO145-0915-1	L1678771-10	WO	N	1	2,3',4,4'-TETRACHLOROBIPHENYL	0.26	5.1 J,B	5.1 J	PG/L	B1/TR
BA8B-WO145-0915-1	L1678771-10	WO	N	1	2,4,4'-TRICHLOROBIPHENYL	0.28	5.9 J,B	5.9 J	PG/L	B1/TR
BA8B-WO145-0915-1	L1678771-10	WO	N	1	2,4',5-TRICHLOROBIPHENYL	0.27	4.5 J,B	4.5 J	PG/L	B1/TR
BA8B-WO145-0915-1	L1678771-10	WO	N	1	PCB061/070/074/076	0.26	8.4 J,B	8.4 J	PG/L	TR/B1
BA8B-WO5-0915-1	L1678771-8	WO	N	1	2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	0.55	4.7 J,B	4.7 J	PG/L	TR/B1
BA8B-WO5-0915-1	L1678771-8	WO	N	1	2,2',3,3',4,4'-HEXACHLOROBIPHENYL	0.27	0.27 J,M	0.27 J	PG/L	B1/TR/G4
BA8B-WO5-0915-1	L1678771-8	WO	N	1	2,2',3,4,5'-PENTACHLOROBIPHENYL/2,3',4,4',6-Pentachlorobiphenyl	1.4	1.4 J,M	1.4 J	PG/L	TR/B1/G4
BA8B-WO5-0915-1	L1678771-8	WO	N	1	2,2',4,4',5,5'-HEXACHLOROBIPHENYL/2,3',4,4',5',6-HEXACHLOROBIPHENYL	0.13	1.2 J,B	1.2 J	PG/L	TR/B1
BA8B-WO5-0915-1	L1678771-8	WO	N	1	2,2',4,5,5'-PENTACHLOROBIPHENYL	0.27	1.8 J,B	1.8 J	PG/L	B1/TR
BA8B-WO75-0915-1	L1678771-9	WO	N	1	2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	0.32	2.4 J,B	2.4 J	PG/L	TR/B1
BA8B-WO75-0915-1	L1678771-9	WO	N	1	2,2',3,4',5',6-HEXACHLOROBIPHENYL	0.19	1.3 J,B	1.3 J	PG/L	B1/TR
BA8B-WO75-0915-1	L1678771-9	WO	N	1	2,2',3,4,5'-PENTACHLOROBIPHENYL/2,3',4,4',6-Pentachlorobiphenyl	1.3	1.3 J,M	1.3 J	PG/L	TR/B1/G4
BA8B-WO75-0915-1	L1678771-9	WO	N	1	2,2',4,4',5-PENTACHLOROBIPHENYL	0.49	1.4 J,B	1.4 J	PG/L	B1/TR
BA8B-WO75-0915-1	L1678771-9	WO	N	1	2,2',4,5,5'-PENTACHLOROBIPHENYL	0.44	2.0 J,B	2.0 J	PG/L	B1/TR
BA8B-WO75-0915-1	L1678771-9	WO	N	1	2,2',4,5'-TETRACHLOROBIPHENYL	0.29	1.5 J,B	1.5 J	PG/L	B1/TR
BA8B-WO75-0915-1	L1678771-9	WO	N	1	2,2',5,5'-TETRACHLOROBIPHENYL	0.37	4.0 J,B	4.0 J	PG/L	B1/TR
BA8B-WO75-0915-1	L1678771-9	WO	N	1	2,3,3',4,4'-PENTACHLOROBIPHENYL	0.60	0.60 J,M	0.60 J	PG/L	B1/TR/G4
BA8B-WO75-0915-1	L1678771-9	WO	N	1	2,3,3',4',6-PENTACHLOROBIPHENYL	2.5	2.5 J,M	2.5 J	PG/L	B1/TR/G4
BA8B-WO75-0915-1	L1678771-9	WO	N	1	2,3',4,4',5-PENTACHLOROBIPHENYL	1.7	1.7 J,M	1.7 J	PG/L	B1/TR/G4
BA8B-WO75-0915-1	L1678771-9	WO	N	1	2,3',4,4'-TETRACHLOROBIPHENYL	0.29	1.9 J,B	1.9 J	PG/L	B1/TR

Automated Data Review Detail Report for L1678771

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Detected Results

Test Method: E1668C		Extraction Method: METHOD			Leach Method: NONE					
FieldSample ID	LabSample ID	Matrix	Type	Dilution	Analyte	MDL	Lab Result	Qualified Result	Units	Reason
BA8B-WO75-0915-1	L1678771-9	WO	N	1	2,4,4'-TRICHLOROBIPHENYL	4.6	4.6 J,M	4.6 J	PG/L	B1/TR/G4
BA8B-WO75-0915-1	L1678771-9	WO	N	1	2,4',5-TRICHLOROBIPHENYL	0.47	3.8 J,B	3.8 J	PG/L	B1/TR
BA8B-WO75-0915-1	L1678771-9	WO	N	1	PCB061/070/074/076	0.29	3.2 J,B	3.2 J	PG/L	TR/B1
BA8C-WO5-0915-1	L1678771-14	WO	N	1	2,2',3,3',4,4',5-HEPTACHLOROBIPHENYL	0.19	0.19 J,M	0.19 J	PG/L	TR/G4
BA8C-WO5-0915-1	L1678771-14	WO	N	1	2,2',3,4,5'-PENTACHLOROBIPHENYL/2,3',4,4',6-Pentachlorobiphenyl	0.77	0.77 J,M	0.77 J	PG/L	TR/G4
BA8C-WO5-0915-1	L1678771-14	WO	N	1	2,2',4,4',5-PENTACHLOROBIPHENYL	0.18	0.54 J	0.54 J	PG/L	TR
BA8C-WO5-0915-1	L1678771-14	WO	N	1	2,3,3',4,4',6-HEXACHLOROBIPHENYL	0.080	0.10 J	0.10 J	PG/L	TR
BA8C-WO5-0915-1	L1678771-14	WO	N	1	2,3,3',4,4'-PENTACHLOROBIPHENYL	0.31	0.31 J,M	0.31 J	PG/L	TR/G4
BA8C-WO5-0915-1	L1678771-14	WO	N	1	2,3,3',4',6-PENTACHLOROBIPHENYL	0.14	1.5 J	1.5 J	PG/L	B1/TR
BA8C-WO5-0915-1	L1678771-14	WO	N	1	3,4,4'-TRICHLOROBIPHENYL	0.38	0.38 J,M	0.38 J	PG/L	TR/G4
BA8DC-WO20-0915-1	L1678771-16	WO	N	1	2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	0.096	1.8 J	1.8 J	PG/L	TR/B1
BA8DC-WO20-0915-1	L1678771-16	WO	N	1	2,2',3,3',4,4',5-HEPTACHLOROBIPHENYL	0.12	0.19 J	0.19 J	PG/L	TR
BA8DC-WO20-0915-1	L1678771-16	WO	N	1	2,2',3,3',4,5',6'-HEPTACHLOROBIPHENYL	0.12	0.27 J	0.27 J	PG/L	TR
BA8DC-WO20-0915-1	L1678771-16	WO	N	1	2,2',3,4,4',5',6'-HEPTACHLOROBIPHENYL	0.19	0.19 J,M	0.19 J	PG/L	TR/G4
BA8DC-WO20-0915-1	L1678771-16	WO	N	1	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	0.098	2.5 J,B	2.5 J	PG/L	B1/TR
BA8DC-WO20-0915-1	L1678771-16	WO	N	1	2,2',3,4',5',6-HEXACHLOROBIPHENYL	0.097	2.0 J,B	2.0 J	PG/L	B1/TR
BA8DC-WO20-0915-1	L1678771-16	WO	N	1	2,2',3,4,5'-PENTACHLOROBIPHENYL/2,3',4,4',6-Pentachlorobiphenyl	0.18	2.4 J	2.4 J	PG/L	TR
BA8DC-WO20-0915-1	L1678771-16	WO	N	1	2,2',3,5,5',6-HEXACHLOROBIPHENYL	0.10	0.86 J	0.86 J	PG/L	TR/B1
BA8DC-WO20-0915-1	L1678771-16	WO	N	1	2,2',3,5'-TETRACHLOROBIPHENYL	0.13	32.3 B	32.3 J	PG/L	B1
BA8DC-WO20-0915-1	L1678771-16	WO	N	1	2,2',4,4',5,5'-HEXACHLOROBIPHENYL/2,3',4,4',5',6-HEXACHLOROBIPHENYL	0.080	1.7 J,B	1.7 J	PG/L	TR/B1
BA8DC-WO20-0915-1	L1678771-16	WO	N	1	2,2',4,4',5-PENTACHLOROBIPHENYL	0.21	1.7 J	1.7 J	PG/L	TR
BA8DC-WO20-0915-1	L1678771-16	WO	N	1	2,2',4,5,5'-PENTACHLOROBIPHENYL	0.19	3.6 J,B	3.6 J	PG/L	B1/TR
BA8DC-WO20-0915-1	L1678771-16	WO	N	1	2,2',4,5'-TETRACHLOROBIPHENYL	0.12	3.7 J	3.7 J	PG/L	B1/TR

Automated Data Review Detail Report for L1678771

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Detected Results

Test Method: E1668C		Extraction Method: METHOD			Leach Method: NONE					
FieldSample ID	LabSample ID	Matrix	Type	Dilution	Analyte	MDL	Lab Result	Qualified Result	Units	Reason
BA8DC-WO20-0915-1	L1678771-16	WO	N	1	2,2',5,5'-TETRACHLOROBIPHENYL	0.15	8.8 J,B	8.8 J	PG/L	B1/TR
BA8DC-WO20-0915-1	L1678771-16	WO	N	1	2,2',5-TRICHLOROBIPHENYL	0.21	5.7 J	5.7 J	PG/L	B1/TR
BA8DC-WO20-0915-1	L1678771-16	WO	N	1	2,3,3',4,4',5'-Hexachlorobiphenyl/2,3,3',4,4',5'-Hexachlorobiphenyl	0.22	0.22 J,M	0.22 J	PG/L	TR/G4
BA8DC-WO20-0915-1	L1678771-16	WO	N	1	2,3,3',4,4',6-HEXACHLOROBIPHENYL	0.16	0.16 J,M	0.16 J	PG/L	TR/G4
BA8DC-WO20-0915-1	L1678771-16	WO	N	1	2,3,3',4,4'-PENTACHLOROBIPHENYL	0.15	0.94 J	0.94 J	PG/L	TR
BA8DC-WO20-0915-1	L1678771-16	WO	N	1	2,3,3',4',6-PENTACHLOROBIPHENYL	0.16	4.3 J	4.3 J	PG/L	B1/TR
BA8DC-WO20-0915-1	L1678771-16	WO	N	1	2,3',4,4',5-PENTACHLOROBIPHENYL	0.15	2.0 J,B	2.0 J	PG/L	B1/TR
BA8DC-WO20-0915-1	L1678771-16	WO	N	1	2,3',4,4'-TETRACHLOROBIPHENYL	0.14	3.8 J,B	3.8 J	PG/L	B1/TR
BA8DC-WO20-0915-1	L1678771-16	WO	N	1	2,4,4'-TRICHLOROBIPHENYL	0.16	7.6 J	7.6 J	PG/L	B1/TR
BA8DC-WO20-0915-1	L1678771-16	WO	N	1	2,4',5-TRICHLOROBIPHENYL	0.16	5.7 J,B	5.7 J	PG/L	B1/TR
BA8DC-WO20-0915-1	L1678771-16	WO	N	1	2,4'-DICHLOROBIPHENYL	4.7	4.7 J,M	4.7 J	PG/L	TR/G4
BA8DC-WO20-0915-1	L1678771-16	WO	N	1	3,3',4,4'-TETRACHLOROBIPHENYL	0.14	0.43 J	0.43 J	PG/L	TR
BA8DC-WO20-0915-1	L1678771-16	WO	N	1	3,4,4'-TRICHLOROBIPHENYL	0.17	1.5 J	1.5 J	PG/L	TR
BA8DC-WO20-0915-1	L1678771-16	WO	N	1	PCB061/070/074/076	0.14	6.4 J,B	6.4 J	PG/L	TR
BA8DC-WO35-0915-1	L1678771-17	WO	N	1	2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	0.13	2.1 J	2.1 J	PG/L	TR/B1
BA8DC-WO35-0915-1	L1678771-17	WO	N	1	2,2',3,3',4,4',5-HEPTACHLOROBIPHENYL	0.17	0.22 J	0.22 J	PG/L	TR
BA8DC-WO35-0915-1	L1678771-17	WO	N	1	2,2',3,3',4,4'-HEXACHLOROBIPHENYL	0.33	0.33 J,M	0.33 J	PG/L	B1/TR/G4
BA8DC-WO35-0915-1	L1678771-17	WO	N	1	2,2',3,4,4',5',6-HEPTACHLOROBIPHENYL	0.19	0.19 J,M	0.19 J	PG/L	TR/G4
BA8DC-WO35-0915-1	L1678771-17	WO	N	1	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	0.14	2.6 J,B	2.6 J	PG/L	B1/TR
BA8DC-WO35-0915-1	L1678771-17	WO	N	1	2,2',3,4',5',6-HEXACHLOROBIPHENYL	0.14	1.8 J,B	1.8 J	PG/L	B1/TR
BA8DC-WO35-0915-1	L1678771-17	WO	N	1	2,2',3,4,5'-PENTACHLOROBIPHENYL/2,3',4,4',6-Pentachlorobiphenyl	0.20	2.9 J	2.9 J	PG/L	TR
BA8DC-WO35-0915-1	L1678771-17	WO	N	1	2,2',3,5,5',6-HEXACHLOROBIPHENYL	0.59	0.59 J,M	0.59 J	PG/L	TR/B1/G4
BA8DC-WO35-0915-1	L1678771-17	WO	N	1	2,2',3,5'-TETRACHLOROBIPHENYL	0.18	8.5 J,B	8.5 J	PG/L	B1/TR
BA8DC-WO35-0915-1	L1678771-17	WO	N	1	2,2',4,4',5,5'-HEXACHLOROBIPHENYL/2,3',4,4',5',6-HEXACHLOROBIPHENYL	1.7	1.7 J,M	1.7 J	PG/L	TR/B1/G4

Automated Data Review Detail Report for L1678771

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Detected Results

Test Method: E1668C		Extraction Method: METHOD			Leach Method: NONE					
FieldSample ID	LabSample ID	Matrix	Type	Dilution	Analyte	MDL	Lab Result	Qualified Result	Units	Reason
BA8DC-WO35-0915-1	L1678771-17	WO	N	1	2,2',4,4',5-PENTACHLOROBIPHENYL	0.23	2.6 J	2.6 J	PG/L	TR
BA8DC-WO35-0915-1	L1678771-17	WO	N	1	2,2',4,5,5'-PENTACHLOROBIPHENYL	0.21	4.2 J,B	4.2 J	PG/L	B1/TR
BA8DC-WO35-0915-1	L1678771-17	WO	N	1	2,2',4,5'-TETRACHLOROBIPHENYL	0.17	3.5 J	3.5 J	PG/L	B1/TR
BA8DC-WO35-0915-1	L1678771-17	WO	N	1	2,2',5,5'-TETRACHLOROBIPHENYL	0.20	6.6 J,B	6.6 J	PG/L	B1/TR
BA8DC-WO35-0915-1	L1678771-17	WO	N	1	2,2',5-TRICHLOROBIPHENYL	0.26	4.1 J	4.1 J	PG/L	B1/TR
BA8DC-WO35-0915-1	L1678771-17	WO	N	1	2,3,3',4,4',5-Hexachlorobiphenyl/2,3,3',4,4',5'-Hexachlorobiphenyl	0.14	0.31 J	0.31 J	PG/L	TR
BA8DC-WO35-0915-1	L1678771-17	WO	N	1	2,3,3',4,4',6-HEXACHLOROBIPHENYL	0.099	0.19 J	0.19 J	PG/L	TR
BA8DC-WO35-0915-1	L1678771-17	WO	N	1	2,3,3',4,4'-PENTACHLOROBIPHENYL	0.29	1.1 J	1.1 J	PG/L	TR
BA8DC-WO35-0915-1	L1678771-17	WO	N	1	2,3,3',4',6-PENTACHLOROBIPHENYL	0.18	5.4 J	5.4 J	PG/L	B1/TR
BA8DC-WO35-0915-1	L1678771-17	WO	N	1	2,3',4,4',5-PENTACHLOROBIPHENYL	2.7	2.7 J,M	2.7 J	PG/L	B1/TR/G4
BA8DC-WO35-0915-1	L1678771-17	WO	N	1	2,3',4,4'-TETRACHLOROBIPHENYL	0.20	4.6 J,B	4.6 J	PG/L	B1/TR
BA8DC-WO35-0915-1	L1678771-17	WO	N	1	2,4,4'-TRICHLOROBIPHENYL	0.22	6.8 J	6.8 J	PG/L	B1/TR
BA8DC-WO35-0915-1	L1678771-17	WO	N	1	2,4',5-TRICHLOROBIPHENYL	0.22	4.9 J,B	4.9 J	PG/L	B1/TR
BA8DC-WO35-0915-1	L1678771-17	WO	N	1	2,4'-DICHLOROBIPHENYL	3.4	3.4 J,M	3.4 J	PG/L	TR/G4
BA8DC-WO35-0915-1	L1678771-17	WO	N	1	3,3',4,4'-TETRACHLOROBIPHENYL	0.19	0.31 J	0.31 J	PG/L	TR
BA8DC-WO35-0915-1	L1678771-17	WO	N	1	3,4,4'-TRICHLOROBIPHENYL	1.1	1.1 J,M	1.1 J	PG/L	TR/G4
BA8DC-WO35-0915-1	L1678771-17	WO	N	1	PCB061/070/074/076	0.19	7.1 J,B	7.1 J	PG/L	TR/B1
BA8DC-WO38-0915-1	L1678771-18	WO	N	1	2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	0.17	2.3 J	2.3 J	PG/L	TR/B1
BA8DC-WO38-0915-1	L1678771-18	WO	N	1	2,2',3,3',4,4'-HEXACHLOROBIPHENYL	0.31	0.31 J,M	0.31 J	PG/L	B1/TR/G4
BA8DC-WO38-0915-1	L1678771-18	WO	N	1	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	0.29	2.5 J,B	2.5 J	PG/L	B1/TR
BA8DC-WO38-0915-1	L1678771-18	WO	N	1	2,2',3,4',5,5',6-HEPTACHLOROBIPHENYL	0.29	0.69 J	0.69 J	PG/L	B1/TR
BA8DC-WO38-0915-1	L1678771-18	WO	N	1	2,2',3,4',5,6-HEXACHLOROBIPHENYL	0.29	1.8 J,B	1.8 J	PG/L	B1/TR
BA8DC-WO38-0915-1	L1678771-18	WO	N	1	2,2',3,4,5'-PENTACHLOROBIPHENYL/2,3',4,4',6-Pentachlorobiphenyl	0.46	3.5 J	3.5 J	PG/L	TR
BA8DC-WO38-0915-1	L1678771-18	WO	N	1	2,2',3,5,5',6-HEXACHLOROBIPHENYL	0.22	1.1 J	1.1 J	PG/L	TR/B1
BA8DC-WO38-0915-1	L1678771-18	WO	N	1	2,2',3,5'-TETRACHLOROBIPHENYL	0.45	6.5 J,B	6.5 J	PG/L	B1/TR

Automated Data Review Detail Report for L1678771

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Detected Results

Test Method: E1668C		Extraction Method: METHOD			Leach Method: NONE					
FieldSample ID	LabSample ID	Matrix	Type	Dilution	Analyte	MDL	Lab Result	Qualified Result	Units	Reason
BA8DC-WO38-0915-1	L1678771-18	WO	N	1	2,2',4,4',5,5'- HEXACHLOROBIPHENYL/2,3',4,4',5',6- HEXACHLOROBIPHENYL	0.24	2.0 J,B	2.0 J	PG/L	TR/B1
BA8DC-WO38-0915-1	L1678771-18	WO	N	1	2,2',4,4',5-PENTACHLOROBIPHENYL	0.55	2.8 J	2.8 J	PG/L	TR
BA8DC-WO38-0915-1	L1678771-18	WO	N	1	2,2',4,5,5'-PENTACHLOROBIPHENYL	0.50	4.0 J,B	4.0 J	PG/L	B1/TR
BA8DC-WO38-0915-1	L1678771-18	WO	N	1	2,2',4,5'-TETRACHLOROBIPHENYL	3.1	3.1 J,M	3.1 J	PG/L	B1/TR/G4
BA8DC-WO38-0915-1	L1678771-18	WO	N	1	2,2',5,5'-TETRACHLOROBIPHENYL	0.51	6.2 J,B	6.2 J	PG/L	B1/TR
BA8DC-WO38-0915-1	L1678771-18	WO	N	1	2,2',5-TRICHLOROBIPHENYL	0.50	3.4 J	3.4 J	PG/L	B1/TR
BA8DC-WO38-0915-1	L1678771-18	WO	N	1	2,3,3',4,4',5- Hexachlorobiphenyl/2,3,3',4,4',5'- Hexachlorobiphenyl	0.29	0.36 J	0.36 J	PG/L	TR
BA8DC-WO38-0915-1	L1678771-18	WO	N	1	2,3,3',4,4'-PENTACHLOROBIPHENYL	0.41	1.8 J	1.8 J	PG/L	TR
BA8DC-WO38-0915-1	L1678771-18	WO	N	1	2,3,3',4',6-PENTACHLOROBIPHENYL	0.43	6.4 J	6.4 J	PG/L	B1/TR
BA8DC-WO38-0915-1	L1678771-18	WO	N	1	2,3',4,4',5-PENTACHLOROBIPHENYL	3.1	3.1 J,M	3.1 J	PG/L	B1/TR/G4
BA8DC-WO38-0915-1	L1678771-18	WO	N	1	2,3',4,4'-TETRACHLOROBIPHENYL	0.46	4.6 J,B	4.6 J	PG/L	B1/TR
BA8DC-WO38-0915-1	L1678771-18	WO	N	1	2,4,4'-TRICHLOROBIPHENYL	0.51	5.5 J	5.5 J	PG/L	B1/TR
BA8DC-WO38-0915-1	L1678771-18	WO	N	1	2,4',5-TRICHLOROBIPHENYL	0.51	4.1 J,B	4.1 J	PG/L	B1/TR
BA8DC-WO38-0915-1	L1678771-18	WO	N	1	3,4,4'-TRICHLOROBIPHENYL	0.63	1.3 J	1.3 J	PG/L	TR
BA8DC-WO38-0915-1	L1678771-18	WO	N	1	PCB061/070/074/076	0.45	6.8 J,B	6.8 J	PG/L	TR/B1
BA8DC-WO5-0915-1	L1678771-15	WO	N	1	2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	0.13	2.3 J	2.3 J	PG/L	TR/B1
BA8DC-WO5-0915-1	L1678771-15	WO	N	1	2,2',3,3',4,4'-HEXACHLOROBIPHENYL	0.34	0.34 J,M	0.34 J	PG/L	B1/TR/G4
BA8DC-WO5-0915-1	L1678771-15	WO	N	1	2,2',3,4,5'- PENTACHLOROBIPHENYL/2,3',4,4',6- Pentachlorobiphenyl	1.1	1.1 J,M	1.1 J	PG/L	TR/G4
BA8DC-WO5-0915-1	L1678771-15	WO	N	1	2,3,3',4,4',5- Hexachlorobiphenyl/2,3,3',4,4',5'- Hexachlorobiphenyl	0.17	0.42 J	0.42 J	PG/L	TR
BA8DC-WO5-0915-1	L1678771-15	WO	N	1	2,3,3',4,4'-PENTACHLOROBIPHENYL	0.53	0.53 J,M	0.53 J	PG/L	TR/G4
BA8DC-WO5-0915-1	L1678771-15	WO	N	1	2,3,3',4',6-PENTACHLOROBIPHENYL	1.9	1.9 J,M	1.9 J	PG/L	B1/TR/G4
BA8DC-WO5-0915-1	L1678771-15	WO	N	1	2,3',4,4',5,5'-HEXACHLOROBIPHENYL	0.14	0.14 J,M	0.14 J	PG/L	TR/G4
BA8DC-WO5-0915-1	L1678771-15	WO	N	1	2,3',4,4'-TETRACHLOROBIPHENYL	0.23	1.3 J,B	1.3 J	PG/L	B1/TR
BA8DC-WO5-0915-1	L1678771-15	WO	N	1	2,4,4'-TRICHLOROBIPHENYL	0.30	2.8 J	2.8 J	PG/L	B1/TR

Automated Data Review Detail Report for L1678771

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Detected Results

Test Method: E1668C		Extraction Method: METHOD			Leach Method: NONE					
FieldSample ID	LabSample ID	Matrix	Type	Dilution	Analyte	MDL	Lab Result	Qualified Result	Units	Reason
BA8DC-WO5-0915-1	L1678771-15	WO	N	1	3,3',4,4',5,5'-HEXACHLOROBIPHENYL	0.13	0.31 M,J,1.	0.31 J	PG/L	TR
BA8DC-WO5-0915-1	L1678771-15	WO	N	1	3,3',4,4'-TETRACHLOROBIPHENYL	0.32	0.32 J,M	0.32 J	PG/L	TR/G4
BA8DC-WO5-0915-1	L1678771-15	WO	N	1	3,4,4',5-TETRACHLOROBIPHENYL	0.25	0.30 J	0.30 J	PG/L	TR
BA8DC-WO5-0915-1	L1678771-15	WO	N	1	3,4,4'-TRICHLOROBIPHENYL	1.1	1.1 J,M	1.1 J	PG/L	TR/G4
BA8DC-WO5-0915-1	L1678771-15	WO	N	1	PCB061/070/074/076	0.23	2.6 J,B	2.6 J	PG/L	TR/B1
BA9BC-WO50-0915-1	L1678771-23	WO	N	1	2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	0.20	2.0 J	2.0 J	PG/L	TR/B1
BA9BC-WO50-0915-1	L1678771-23	WO	N	1	2,2',3,3',4,4',5-HEPTACHLOROBIPHENYL	0.29	0.29 J,M	0.29 J	PG/L	TR/G4
BA9BC-WO50-0915-1	L1678771-23	WO	N	1	2,2',3,4,5'-PENTACHLOROBIPHENYL/2,3',4,4',6-Pentachlorobiphenyl	0.56	0.56 J,M	0.56 J	PG/L	TR/G4
BA9BC-WO50-0915-1	L1678771-23	WO	N	1	2,2',4,4',5-PENTACHLOROBIPHENYL	0.32	0.78 J	0.78 J	PG/L	TR
BA9BC-WO50-0915-1	L1678771-23	WO	N	1	2,2',4,5'-TETRACHLOROBIPHENYL	0.40	0.93 J,M	0.93 J	PG/L	B1/G4/TR
BA9BC-WO50-0915-1	L1678771-23	WO	N	1	2,2',5,5'-TETRACHLOROBIPHENYL	0.48	2.7 J,B	2.7 J	PG/L	B1/TR
BA9BC-WO50-0915-1	L1678771-23	WO	N	1	2,2',5-TRICHLOROBIPHENYL	2.0	2.0 J,M	2.0 J	PG/L	B1/TR/G4
BA9BC-WO50-0915-1	L1678771-23	WO	N	1	2,3,3',4,4'-PENTACHLOROBIPHENYL	0.27	0.27 J,M	0.27 J	PG/L	TR/G4
BA9BC-WO50-0915-1	L1678771-23	WO	N	1	2,3,3',4',6-PENTACHLOROBIPHENYL	1.4	1.4 J,M	1.4 J	PG/L	B1/TR/TR/G4
BA9BC-WO50-0915-1	L1678771-23	WO	N	1	2,3',4,4'-TETRACHLOROBIPHENYL	1.5	1.5 J,M	1.5 J	PG/L	B1/TR/G4
BA9BC-WO50-0915-1	L1678771-23	WO	N	1	2,4,4'-TRICHLOROBIPHENYL	0.45	3.9 J	3.9 J	PG/L	B1/TR
BA9BC-WO50-0915-1	L1678771-23	WO	N	1	2,4',5-TRICHLOROBIPHENYL	0.45	3.3 J,B	3.3 J	PG/L	B1/TR
BA9BC-WO50-0915-1	L1678771-23	WO	N	1	2,4'-DICHLOROBIPHENYL	2.6	2.6 J,M	2.6 J	PG/L	TR/G4
BA9BC-WO50-0915-1	L1678771-23	WO	N	1	3,4,4'-TRICHLOROBIPHENYL	0.66	0.66 J,M	0.66 J	PG/L	TR/G4
BA9BC-WO50-0915-1	L1678771-23	WO	N	1	PCB061/070/074/076	0.35	2.6 J,B	2.6 J	PG/L	TR/B1
BA9BC-WO5-0915-1	L1678771-22	WO	N	1	2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	0.067	1.6 J	1.6 J	PG/L	TR/B1
BA9BC-WO5-0915-1	L1678771-22	WO	N	1	2,2',3,4,5'-PENTACHLOROBIPHENYL/2,3',4,4',6-Pentachlorobiphenyl	0.73	0.73 J,M	0.73 J	PG/L	TR/G4
BA9BC-WO5-0915-1	L1678771-22	WO	N	1	2,2',3,5'-TETRACHLOROBIPHENYL	0.14	6.0 J,B	6.0 J	PG/L	B1/TR
BA9BC-WO5-0915-1	L1678771-22	WO	N	1	2,2',4,4',5-PENTACHLOROBIPHENYL	0.19	0.47 J	0.47 J	PG/L	TR
BA9BC-WO5-0915-1	L1678771-22	WO	N	1	2,2',4,5'-TETRACHLOROBIPHENYL	0.13	1.0 J	1.0 J	PG/L	B1/TR

Automated Data Review Detail Report for L1678771

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Detected Results

Test Method: E1668C		Extraction Method: METHOD			Leach Method: NONE					
FieldSample ID	LabSample ID	Matrix	Type	Dilution	Analyte	MDL	Lab Result	Qualified Result	Units	Reason
BA9BC-WO5-0915-1	L1678771-22	WO	N	1	2,2',5-TRICHLOROBIPHENYL	0.17	2.3 J	2.3 J	PG/L	B1/TR
BA9BC-WO5-0915-1	L1678771-22	WO	N	1	2,3,3',4,4'-PENTACHLOROBIPHENYL	0.11	0.32 J	0.32 J	PG/L	TR
BA9BC-WO5-0915-1	L1678771-22	WO	N	1	2,3,3',4',6-PENTACHLOROBIPHENYL	0.15	1.5 J	1.5 J	PG/L	B1/TR
BA9BC-WO5-0915-1	L1678771-22	WO	N	1	2,4,4'-TRICHLOROBIPHENYL	0.15	2.7 J	2.7 J	PG/L	B1/TR
BA9BC-WO5-0915-1	L1678771-22	WO	N	1	2,4'-DICHLOROBIPHENYL	0.40	2.3 J	2.3 J	PG/L	TR
BA9BC-WO5-0915-1	L1678771-22	WO	N	1	3,4,4'-TRICHLOROBIPHENYL	0.16	0.63 J	0.63 J	PG/L	TR
BA9BC-WO95-0915-1	L1678771-24	WO	N	1	2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	0.11	1.7 J	1.7 J	PG/L	TR/B1
BA9BC-WO95-0915-1	L1678771-24	WO	N	1	2,2',3,3',4,4'-HEXACHLOROBIPHENYL	0.15	0.31 J,B	0.31 J	PG/L	B1/TR
BA9BC-WO95-0915-1	L1678771-24	WO	N	1	2,2',3,4,4',5,5',6-OCTACHLOROBIPHENYL	0.10	0.10 J,M	0.10 J	PG/L	TR/G4
BA9BC-WO95-0915-1	L1678771-24	WO	N	1	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	0.16	1.7 J,B	1.7 J	PG/L	B1/TR
BA9BC-WO95-0915-1	L1678771-24	WO	N	1	2,2',3,4,5'-PENTACHLOROBIPHENYL/2,3',4,4',6-Pentachlorobiphenyl	0.18	1.8 J	1.8 J	PG/L	TR
BA9BC-WO95-0915-1	L1678771-24	WO	N	1	2,2',4,4',5,5'-HEXACHLOROBIPHENYL/2,3',4,4',5',6-HEXACHLOROBIPHENYL	0.13	1.1 J,B	1.1 J	PG/L	TR/B1
BA9BC-WO95-0915-1	L1678771-24	WO	N	1	2,2',4,4',5-PENTACHLOROBIPHENYL	0.21	1.4 J	1.4 J	PG/L	TR
BA9BC-WO95-0915-1	L1678771-24	WO	N	1	2,2',4,5,5'-PENTACHLOROBIPHENYL	2.1	2.1 J,M	2.1 J	PG/L	B1/TR/G4
BA9BC-WO95-0915-1	L1678771-24	WO	N	1	2,2',4,5'-TETRACHLOROBIPHENYL	0.17	1.5 J	1.5 J	PG/L	B1/TR
BA9BC-WO95-0915-1	L1678771-24	WO	N	1	2,2',5,5'-TETRACHLOROBIPHENYL	0.20	3.3 J,B	3.3 J	PG/L	B1/TR
BA9BC-WO95-0915-1	L1678771-24	WO	N	1	2,2',5-TRICHLOROBIPHENYL	0.21	2.3 J	2.3 J	PG/L	B1/TR
BA9BC-WO95-0915-1	L1678771-24	WO	N	1	2,3,3',4,4'-PENTACHLOROBIPHENYL	0.64	0.64 J,M	0.64 J	PG/L	TR/G4
BA9BC-WO95-0915-1	L1678771-24	WO	N	1	2,3,3',4',6-PENTACHLOROBIPHENYL	0.16	3.6 J	3.6 J	PG/L	B1/TR
BA9BC-WO95-0915-1	L1678771-24	WO	N	1	2,3',4,4',5-PENTACHLOROBIPHENYL	0.20	2.1 J,B	2.1 J	PG/L	B1/TR
BA9BC-WO95-0915-1	L1678771-24	WO	N	1	2,3',4,4'-TETRACHLOROBIPHENYL	0.20	2.6 J,B	2.6 J	PG/L	B1/TR
BA9BC-WO95-0915-1	L1678771-24	WO	N	1	2,4,4'-TRICHLOROBIPHENYL	0.26	3.5 J	3.5 J	PG/L	B1/TR
BA9BC-WO95-0915-1	L1678771-24	WO	N	1	2,4'-DICHLOROBIPHENYL	0.55	2.2 J	2.2 J	PG/L	TR
BA9BC-WO95-0915-1	L1678771-24	WO	N	1	3,4,4'-TRICHLOROBIPHENYL	0.53	0.53 J,M	0.53 J	PG/L	TR/G4
BA9BC-WO95-0915-1	L1678771-24	WO	N	1	PCB061/070/074/076	0.19	3.5 J,B	3.5 J	PG/L	TR/B1

Automated Data Review Detail Report for L1678771

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Detected Results

Test Method: E1668C		Extraction Method: METHOD			Leach Method: NONE					
FieldSample ID	LabSample ID	Matrix	Type	Dilution	Analyte	MDL	Lab Result	Qualified Result	Units	Reason
BA9B-WO145-0915-1	L1678771-21	WO	N	1	2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	0.098	1.9 J	1.9 J	PG/L	TR/B1
BA9B-WO145-0915-1	L1678771-21	WO	N	1	2,2',3,3',4,4',5-HEPTACHLOROBIPHENYL	0.17	0.20 J	0.20 J	PG/L	TR
BA9B-WO145-0915-1	L1678771-21	WO	N	1	2,2',3,4,4',5',6-HEPTACHLOROBIPHENYL	0.14	0.19 J	0.19 J	PG/L	TR
BA9B-WO145-0915-1	L1678771-21	WO	N	1	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	0.13	2.0 J,B	2.0 J	PG/L	B1/TR
BA9B-WO145-0915-1	L1678771-21	WO	N	1	2,2',3,4,5'-PENTACHLOROBIPHENYL/2,3',4,4',6-Pentachlorobiphenyl	2.4	2.4 J,M	2.4 J	PG/L	TR/G4
BA9B-WO145-0915-1	L1678771-21	WO	N	1	2,2',3,5',6-HEXACHLOROBIPHENYL	0.64	0.64 J,M	0.64 J	PG/L	TR/B1/G4
BA9B-WO145-0915-1	L1678771-21	WO	N	1	2,2',3,5'-TETRACHLOROBIPHENYL	0.17	9.3 J,B	9.3 J	PG/L	B1/TR
BA9B-WO145-0915-1	L1678771-21	WO	N	1	2,2',4,4',5,5'-HEXACHLOROBIPHENYL/2,3',4,4',5,6-HEXACHLOROBIPHENYL	0.11	1.5 J,B	1.5 J	PG/L	TR/B1
BA9B-WO145-0915-1	L1678771-21	WO	N	1	2,2',4,4',5-PENTACHLOROBIPHENYL	0.25	2.0 J	2.0 J	PG/L	TR
BA9B-WO145-0915-1	L1678771-21	WO	N	1	2,2',4,5,5'-PENTACHLOROBIPHENYL	0.23	3.7 J,B	3.7 J	PG/L	B1/TR
BA9B-WO145-0915-1	L1678771-21	WO	N	1	2,2',4,5'-TETRACHLOROBIPHENYL	0.16	3.0 J	3.0 J	PG/L	B1/TR
BA9B-WO145-0915-1	L1678771-21	WO	N	1	2,2',5,5'-TETRACHLOROBIPHENYL	0.19	6.3 J,B	6.3 J	PG/L	B1/TR
BA9B-WO145-0915-1	L1678771-21	WO	N	1	2,2',5-TRICHLOROBIPHENYL	0.25	3.1 J	3.1 J	PG/L	B1/TR
BA9B-WO145-0915-1	L1678771-21	WO	N	1	2,3,3',4,4',6-HEXACHLOROBIPHENYL	0.094	0.22 J	0.22 J	PG/L	TR
BA9B-WO145-0915-1	L1678771-21	WO	N	1	2,3,3',4,4'-PENTACHLOROBIPHENYL	0.18	1.2 J	1.2 J	PG/L	TR
BA9B-WO145-0915-1	L1678771-21	WO	N	1	2,3,3',4',6-PENTACHLOROBIPHENYL	0.20	4.7 J	4.7 J	PG/L	B1/TR
BA9B-WO145-0915-1	L1678771-21	WO	N	1	2,3',4,4',5-PENTACHLOROBIPHENYL	0.18	2.6 J,B	2.6 J	PG/L	B1/TR
BA9B-WO145-0915-1	L1678771-21	WO	N	1	2,3',4,4'-TETRACHLOROBIPHENYL	0.19	3.6 J,B	3.6 J	PG/L	B1/TR
BA9B-WO145-0915-1	L1678771-21	WO	N	1	2,4,4'-TRICHLOROBIPHENYL	0.19	4.6 J	4.6 J	PG/L	B1/TR
BA9B-WO145-0915-1	L1678771-21	WO	N	1	2,4',5-TRICHLOROBIPHENYL	0.19	3.3 J,B	3.3 J	PG/L	B1/TR
BA9B-WO145-0915-1	L1678771-21	WO	N	1	2,4'-DICHLOROBIPHENYL	0.58	2.5 J	2.5 J	PG/L	TR
BA9B-WO145-0915-1	L1678771-21	WO	N	1	3,3',4,4'-TETRACHLOROBIPHENYL	0.22	0.22 J,M	0.22 J	PG/L	TR/G4
BA9B-WO145-0915-1	L1678771-21	WO	N	1	3,4,4'-TRICHLOROBIPHENYL	0.88	0.88 J,M	0.88 J	PG/L	TR/G4
BA9B-WO145-0915-1	L1678771-21	WO	N	1	PCB061/070/074/076	0.19	6.2 J,B	6.2 J	PG/L	TR/B1
BA9B-WO5-0915-1	L1678771-19	WO	N	1	2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	0.13	2.1 J	2.1 J	PG/L	TR/B1

Automated Data Review Detail Report for L1678771

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Detected Results

Test Method: E1668C		Extraction Method: METHOD			Leach Method: NONE					
FieldSample ID	LabSample ID	Matrix	Type	Dilution	Analyte	MDL	Lab Result	Qualified Result	Units	Reason
BA9B-WO5-0915-1	L1678771-19	WO	N	1	2,2',3,4,5'-PENTACHLOROBIPHENYL/2,3',4,4',6-Pentachlorobiphenyl	0.25	1.0 J	1.0 J	PG/L	TR
BA9B-WO5-0915-1	L1678771-19	WO	N	1	2,2',4,4',5-PENTACHLOROBIPHENYL	0.41	0.41 J,M	0.41 J	PG/L	TR/G4
BA9B-WO5-0915-1	L1678771-19	WO	N	1	2,3,3',4,4'-PENTACHLOROBIPHENYL	0.36	0.36 J,M	0.36 J	PG/L	TR/G4
BA9B-WO5-0915-1	L1678771-19	WO	N	1	2,3,3',4',6-PENTACHLOROBIPHENYL	0.23	1.4 J	1.4 J	PG/L	B1/TR
BA9B-WO5-0915-1	L1678771-19	WO	N	1	3,4,4'-TRICHLOROBIPHENYL	0.29	0.93 J	0.93 J	PG/L	TR
BA9B-WO75-0915-1	L1678771-20	WO	N	1	2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	0.090	2.2 J	2.2 J	PG/L	TR/B1
BA9B-WO75-0915-1	L1678771-20	WO	N	1	2,2',3,3',4,4',5-HEPTACHLOROBIPHENYL	0.16	0.33 J	0.33 J	PG/L	TR
BA9B-WO75-0915-1	L1678771-20	WO	N	1	2,2',3,3',4,4'-HEXACHLOROBIPHENYL	0.12	0.27 J,B	0.27 J	PG/L	B1/TR
BA9B-WO75-0915-1	L1678771-20	WO	N	1	2,2',3,3',4,5',6'-HEPTACHLOROBIPHENYL	0.17	0.18 J	0.18 J	PG/L	TR
BA9B-WO75-0915-1	L1678771-20	WO	N	1	2,2',3,4,4',5,5',6-OCTACHLOROBIPHENYL	0.11	0.15 J	0.15 J	PG/L	TR
BA9B-WO75-0915-1	L1678771-20	WO	N	1	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	0.13	1.7 J,B	1.7 J	PG/L	B1/TR
BA9B-WO75-0915-1	L1678771-20	WO	N	1	2,2',3,4,5'-PENTACHLOROBIPHENYL/2,3',4,4',6-Pentachlorobiphenyl	0.17	2.2 J	2.2 J	PG/L	TR
BA9B-WO75-0915-1	L1678771-20	WO	N	1	2,2',3,5,5',6-HEXACHLOROBIPHENYL	0.079	0.55 J	0.55 J	PG/L	TR/B1
BA9B-WO75-0915-1	L1678771-20	WO	N	1	2,2',3,5'-TETRACHLOROBIPHENYL	0.17	5.0 J,B	5.0 J	PG/L	B1/TR
BA9B-WO75-0915-1	L1678771-20	WO	N	1	2,2',4,4',5,5'-HEXACHLOROBIPHENYL/2,3',4,4',5,6-HEXACHLOROBIPHENYL	0.11	1.3 J,B	1.3 J	PG/L	TR/B1
BA9B-WO75-0915-1	L1678771-20	WO	N	1	2,2',4,4',5-PENTACHLOROBIPHENYL	0.20	1.7 J	1.7 J	PG/L	TR
BA9B-WO75-0915-1	L1678771-20	WO	N	1	2,2',4,5,5'-PENTACHLOROBIPHENYL	0.18	2.8 J,B	2.8 J	PG/L	B1/TR
BA9B-WO75-0915-1	L1678771-20	WO	N	1	2,2',4,5'-TETRACHLOROBIPHENYL	0.16	2.1 J	2.1 J	PG/L	B1/TR
BA9B-WO75-0915-1	L1678771-20	WO	N	1	2,2',5,5'-TETRACHLOROBIPHENYL	0.19	4.1 J,B	4.1 J	PG/L	B1/TR
BA9B-WO75-0915-1	L1678771-20	WO	N	1	2,2',5-TRICHLOROBIPHENYL	2.9	2.9 J,M	2.9 J	PG/L	B1/TR/G4
BA9B-WO75-0915-1	L1678771-20	WO	N	1	2,3,3',4,4',5'-Hexachlorobiphenyl/2,3,3',4,4',5'-Hexachlorobiphenyl	0.14	0.23 J	0.23 J	PG/L	TR
BA9B-WO75-0915-1	L1678771-20	WO	N	1	2,3,3',4,4',6-HEXACHLOROBIPHENYL	0.096	0.17 J	0.17 J	PG/L	TR

Automated Data Review Detail Report for L1678771

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Detected Results

Test Method: E1668C		Extraction Method: METHOD			Leach Method: NONE					
FieldSample ID	LabSample ID	Matrix	Type	Dilution	Analyte	MDL	Lab Result	Qualified Result	Units	Reason
BA9B-WO75-0915-1	L1678771-20	WO	N	1	2,3,3',4,4'-PENTACHLOROBIPHENYL	0.85	0.85 J,M	0.85 J	PG/L	TR/G4
BA9B-WO75-0915-1	L1678771-20	WO	N	1	2,3,3',4',6-PENTACHLOROBIPHENYL	0.16	4.5 J	4.5 J	PG/L	B1/TR
BA9B-WO75-0915-1	L1678771-20	WO	N	1	2,3',4,4',5,5'-HEXACHLOROBIPHENYL	0.099	0.15 J	0.15 J	PG/L	TR
BA9B-WO75-0915-1	L1678771-20	WO	N	1	2,3',4,4',5-PENTACHLOROBIPHENYL	0.15	2.3 J,B	2.3 J	PG/L	B1/TR
BA9B-WO75-0915-1	L1678771-20	WO	N	1	2,3',4,4'-TETRACHLOROBIPHENYL	0.18	3.5 J,B	3.5 J	PG/L	B1/TR
BA9B-WO75-0915-1	L1678771-20	WO	N	1	2,4,4'-TRICHLOROBIPHENYL	0.21	3.8 J	3.8 J	PG/L	B1/TR
BA9B-WO75-0915-1	L1678771-20	WO	N	1	2,4',5-TRICHLOROBIPHENYL	0.21	2.8 J,B	2.8 J	PG/L	B1/TR
BA9B-WO75-0915-1	L1678771-20	WO	N	1	2,4'-DICHLOROBIPHENYL	2.9	2.9 J,M	2.9 J	PG/L	TR/G4
BA9B-WO75-0915-1	L1678771-20	WO	N	1	3,3',4,4'-TETRACHLOROBIPHENYL	0.17	0.27 J	0.27 J	PG/L	TR
BA9B-WO75-0915-1	L1678771-20	WO	N	1	3,4,4'-TRICHLOROBIPHENYL	0.54	0.54 J,M	0.54 J	PG/L	TR/G4
BA9B-WO75-0915-1	L1678771-20	WO	N	1	PCB061/070/074/076	0.17	4.8 J,B	4.8 J	PG/L	TR/B1
BA9C-WO30-0915-1	L1678771-26	WO	N	1	2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	0.14	2.1 J	2.1 J	PG/L	TR/B1
BA9C-WO30-0915-1	L1678771-26	WO	N	1	2,2',3,3',4,4'-HEXACHLOROBIPHENYL	0.17	0.25 J,B	0.25 J	PG/L	B1/TR
BA9C-WO30-0915-1	L1678771-26	WO	N	1	2,2',3,4,5'-PENTACHLOROBIPHENYL/2,3',4,4',6-Pentachlorobiphenyl	0.23	1.4 J	1.4 J	PG/L	TR
BA9C-WO30-0915-1	L1678771-26	WO	N	1	2,2',3,5'-TETRACHLOROBIPHENYL	0.27	4.6 J,B	4.6 J	PG/L	B1/TR
BA9C-WO30-0915-1	L1678771-26	WO	N	1	2,2',4,4',5,5'-HEXACHLOROBIPHENYL/2,3',4,4',5',6-HEXACHLOROBIPHENYL	0.15	0.97 J,B	0.97 J	PG/L	TR/B1
BA9C-WO30-0915-1	L1678771-26	WO	N	1	2,2',4,4',5-PENTACHLOROBIPHENYL	0.28	0.82 J	0.82 J	PG/L	TR
BA9C-WO30-0915-1	L1678771-26	WO	N	1	2,2',4,5,5'-PENTACHLOROBIPHENYL	0.25	1.8 J,B	1.8 J	PG/L	B1/TR
BA9C-WO30-0915-1	L1678771-26	WO	N	1	2,2',4,5'-TETRACHLOROBIPHENYL	0.25	1.4 J	1.4 J	PG/L	B1/TR
BA9C-WO30-0915-1	L1678771-26	WO	N	1	2,2',5,5'-TETRACHLOROBIPHENYL	0.30	3.2 J,B	3.2 J	PG/L	B1/TR
BA9C-WO30-0915-1	L1678771-26	WO	N	1	2,2',5-TRICHLOROBIPHENYL	0.29	3.5 J	3.5 J	PG/L	B1/TR
BA9C-WO30-0915-1	L1678771-26	WO	N	1	2,3,3',4,4'-PENTACHLOROBIPHENYL	0.24	0.62 J	0.62 J	PG/L	TR
BA9C-WO30-0915-1	L1678771-26	WO	N	1	2,3,3',4',6-PENTACHLOROBIPHENYL	0.22	2.5 J	2.5 J	PG/L	B1/TR
BA9C-WO30-0915-1	L1678771-26	WO	N	1	2,3',4,4',5-PENTACHLOROBIPHENYL	0.24	1.2 J,B	1.2 J	PG/L	B1/TR
BA9C-WO30-0915-1	L1678771-26	WO	N	1	2,3',4,4'-TETRACHLOROBIPHENYL	0.25	1.9 J,B	1.9 J	PG/L	B1/TR
BA9C-WO30-0915-1	L1678771-26	WO	N	1	2,4,4'-TRICHLOROBIPHENYL	0.26	4.2 J	4.2 J	PG/L	B1/TR

Automated Data Review Detail Report for L1678771

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Detected Results

Test Method: E1668C		Extraction Method: METHOD			Leach Method: NONE					
FieldSample ID	LabSample ID	Matrix	Type	Dilution	Analyte	MDL	Lab Result	Qualified Result	Units	Reason
BA9C-WO30-0915-1	L1678771-26	WO	N	1	2,4',5'-TRICHLOROBIPHENYL	0.26	3.3 J,B	3.3 J	PG/L	B1/TR
BA9C-WO30-0915-1	L1678771-26	WO	N	1	2,4'-DICHLOROBIPHENYL	2.7	2.7 J,M	2.7 J	PG/L	TR/G4
BA9C-WO30-0915-1	L1678771-26	WO	N	1	3,4,4'-TRICHLOROBIPHENYL	0.86	0.86 J,M	0.86 J	PG/L	TR/G4
BA9C-WO30-0915-1	L1678771-26	WO	N	1	PCB061/070/074/076	0.25	3.2 J,B	3.2 J	PG/L	TR/B1
BA9C-WO5-0915-1	L1678771-25	WO	N	1	2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	0.075	1.6 J	1.6 J	PG/L	TR/B1
BA9C-WO5-0915-1	L1678771-25	WO	N	1	2,2',3,4,5'-PENTACHLOROBIPHENYL/2,3',4,4',6-Pentachlorobiphenyl	0.14	0.72 J	0.72 J	PG/L	TR
BA9C-WO5-0915-1	L1678771-25	WO	N	1	2,2',4,4',5-PENTACHLOROBIPHENYL	0.22	0.22 J,M	0.22 J	PG/L	TR/G4
BA9C-WO5-0915-1	L1678771-25	WO	N	1	2,2',5-TRICHLOROBIPHENYL	0.15	2.3 J	2.3 J	PG/L	B1/TR
BA9C-WO5-0915-1	L1678771-25	WO	N	1	2,3,3',4,4'-PENTACHLOROBIPHENYL	0.15	0.23 J	0.23 J	PG/L	TR
BA9C-WO5-0915-1	L1678771-25	WO	N	1	2,3,3',4',6-PENTACHLOROBIPHENYL	0.13	1.4 J	1.4 J	PG/L	B1/TR
BA9C-WO5-0915-1	L1678771-25	WO	N	1	2,4,4'-TRICHLOROBIPHENYL	0.18	2.7 J	2.7 J	PG/L	B1/TR
BA9C-WO5-0915-1	L1678771-25	WO	N	1	2,4'-DICHLOROBIPHENYL	0.41	2.1 J	2.1 J	PG/L	TR
BA9C-WO5-0915-1	L1678771-25	WO	N	1	3,4,4'-TRICHLOROBIPHENYL	0.20	0.62 J	0.62 J	PG/L	TR
BA9C-WO55-0915-1	L1678771-27	WO	N	1	2,2',3,3',4,4',5-HEPTACHLOROBIPHENYL	0.28	0.28 J,M	0.28 J	PG/L	TR/G4
BA9C-WO55-0915-1	L1678771-27	WO	N	1	2,2',3,3',4,4'-HEXACHLOROBIPHENYL	0.21	0.21 J,M	0.21 J	PG/L	TR/G4
BA9C-WO55-0915-1	L1678771-27	WO	N	1	2,2',3,3',4,5',6'-HEPTACHLOROBIPHENYL	0.25	0.25 J,M	0.25 J	PG/L	TR/G4
BA9C-WO55-0915-1	L1678771-27	WO	N	1	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	0.16	2.1 J,B	2.1 J	PG/L	B1/TR
BA9C-WO55-0915-1	L1678771-27	WO	N	1	2,2',3,4',5,5',6-HEPTACHLOROBIPHENYL	0.34	0.34 J,M	0.34 J	PG/L	TR/G4
BA9C-WO55-0915-1	L1678771-27	WO	N	1	2,2',3,4',5',6-HEXACHLOROBIPHENYL	0.15	1.5 J,B	1.5 J	PG/L	B1/TR
BA9C-WO55-0915-1	L1678771-27	WO	N	1	2,2',3,4,5'-PENTACHLOROBIPHENYL/2,3',4,4',6-Pentachlorobiphenyl	1.4	1.4 J,M	1.4 J	PG/L	TR/B1/G4
BA9C-WO55-0915-1	L1678771-27	WO	N	1	2,2',3,5,5',6-HEXACHLOROBIPHENYL	0.12	0.69 J	0.69 J	PG/L	TR/B1
BA9C-WO55-0915-1	L1678771-27	WO	N	1	2,2',4,4',5,5'-HEXACHLOROBIPHENYL/2,3',4,4',5',6-HEXACHLOROBIPHENYL	0.12	1.3 J	1.3 J	PG/L	TR/B1
BA9C-WO55-0915-1	L1678771-27	WO	N	1	2,2',4,4',5-PENTACHLOROBIPHENYL	1.0	1.0 J,M	1.0 J	PG/L	TR/G4

Automated Data Review Detail Report for L1678771

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Detected Results

Test Method: E1668C		Extraction Method: METHOD			Leach Method: NONE					
FieldSample ID	LabSample ID	Matrix	Type	Dilution	Analyte	MDL	Lab Result	Qualified Result	Units	Reason
BA9C-WO55-0915-1	L1678771-27	WO	N	1	2,2',4,5,5'-PENTACHLOROBIPHENYL	0.21	1.9 J	1.9 J	PG/L	TR
BA9C-WO55-0915-1	L1678771-27	WO	N	1	2,2',4,5'-TETRACHLOROBIPHENYL	1.3	1.3 J,M	1.3 J	PG/L	B1/TR/G4
BA9C-WO55-0915-1	L1678771-27	WO	N	1	2,2',5,5'-TETRACHLOROBIPHENYL	0.25	2.8 J,B	2.8 J	PG/L	B1/TR
BA9C-WO55-0915-1	L1678771-27	WO	N	1	2,3,3',4,4',6-HEXACHLOROBIPHENYL	0.11	0.22 J	0.22 J	PG/L	TR
BA9C-WO55-0915-1	L1678771-27	WO	N	1	2,3,3',4,4'-PENTACHLOROBIPHENYL	0.16	0.60 J	0.60 J	PG/L	TR
BA9C-WO55-0915-1	L1678771-27	WO	N	1	2,3',4,4',5-PENTACHLOROBIPHENYL	0.16	1.4 J	1.4 J	PG/L	B1/TR
BA9C-WO55-0915-1	L1678771-27	WO	N	1	2,3',4,4'-TETRACHLOROBIPHENYL	1.4	1.4 J,M	1.4 J	PG/L	B1/TR/G4
BA9C-WO55-0915-1	L1678771-27	WO	N	1	2,4,4'-TRICHLOROBIPHENYL	0.35	2.7 J	2.7 J	PG/L	B1/TR
BA9C-WO55-0915-1	L1678771-27	WO	N	1	PCB061/070/074/076	0.22	3.0 J	3.0 J	PG/L	TR/B1
BA9C-WO58-0915-1	L1678771-28	WO	N	1	2,2',3,3',4,4',5-HEPTACHLOROBIPHENYL	0.47	0.47 J,M	0.47 J	PG/L	TR/G4
BA9C-WO58-0915-1	L1678771-28	WO	N	1	2,2',3,3',4,4'-HEXACHLOROBIPHENYL	0.38	0.38 J,M	0.38 J	PG/L	TR/G4
BA9C-WO58-0915-1	L1678771-28	WO	N	1	2,2',3,4,4',5',6-HEPTACHLOROBIPHENYL	0.25	0.25 J,M	0.25 J	PG/L	TR/G4
BA9C-WO58-0915-1	L1678771-28	WO	N	1	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	0.18	2.2 J,B	2.2 J	PG/L	B1/TR
BA9C-WO58-0915-1	L1678771-28	WO	N	1	2,2',3,4',5,5',6-HEPTACHLOROBIPHENYL	0.20	0.50 J	0.50 J	PG/L	TR
BA9C-WO58-0915-1	L1678771-28	WO	N	1	2,2',3,4',5,6-HEXACHLOROBIPHENYL	1.4	1.4 J,M	1.4 J	PG/L	B1/TR/G4
BA9C-WO58-0915-1	L1678771-28	WO	N	1	2,2',3,5,5',6-HEXACHLOROBIPHENYL	0.52	0.52 J,M	0.52 J	PG/L	TR/G4/B1
BA9C-WO58-0915-1	L1678771-28	WO	N	1	2,2',4,4',5,5'-HEXACHLOROBIPHENYL/2,3',4,4',5',6-HEXACHLOROBIPHENYL	1.3	1.3 J,M	1.3 J	PG/L	TR/G4/B1
BA9C-WO58-0915-1	L1678771-28	WO	N	1	2,2',4,4',5-PENTACHLOROBIPHENYL	1.5	1.5 J,M	1.5 J	PG/L	TR/G4
BA9C-WO58-0915-1	L1678771-28	WO	N	1	2,2',4,5,5'-PENTACHLOROBIPHENYL	0.25	2.8 J	2.8 J	PG/L	TR
BA9C-WO58-0915-1	L1678771-28	WO	N	1	2,2',4,5'-TETRACHLOROBIPHENYL	1.5	1.5 J,M	1.5 J	PG/L	B1/TR/G4
BA9C-WO58-0915-1	L1678771-28	WO	N	1	2,2',5,5'-TETRACHLOROBIPHENYL	0.45	3.9 J,B	3.9 J	PG/L	B1/TR
BA9C-WO58-0915-1	L1678771-28	WO	N	1	2,3,3',4,4',6-HEXACHLOROBIPHENYL	0.13	0.20 J	0.20 J	PG/L	TR
BA9C-WO58-0915-1	L1678771-28	WO	N	1	2,3,3',4,4'-PENTACHLOROBIPHENYL	0.22	0.72 J	0.72 J	PG/L	TR
BA9C-WO58-0915-1	L1678771-28	WO	N	1	2,3',4,4',5-PENTACHLOROBIPHENYL	0.22	1.7 J	1.7 J	PG/L	B1/TR
BA9C-WO58-0915-1	L1678771-28	WO	N	1	2,3',4,4'-TETRACHLOROBIPHENYL	0.28	2.5 J,B	2.5 J	PG/L	B1/TR
BA9C-WO58-0915-1	L1678771-28	WO	N	1	2,4,4'-TRICHLOROBIPHENYL	3.1	3.1 J,M	3.1 J	PG/L	B1/TR/G4

Automated Data Review Detail Report for L1678771

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Detected Results

Test Method: E1668C		Extraction Method: METHOD			Leach Method: NONE					
FieldSample ID	LabSample ID	Matrix	Type	Dilution	Analyte	MDL	Lab Result	Qualified Result	Units	Reason
BA9C-WO58-0915-1	L1678771-28	WO	N	1	2,4',5-TRICHLOROBIPHENYL	0.50	2.4 J	2.4 J	PG/L	B1
BA9C-WO58-0915-1	L1678771-28	WO	N	1	PCB061/070/074/076	0.28	3.8 J	3.8 J	PG/L	TR/B1
W5-WO30-0915-1	L1678771-30	WO	N	1	2,2',3,3',4,4'-HEXACHLOROBIPHENYL	0.18	0.32 J	0.32 J	PG/L	TR
W5-WO30-0915-1	L1678771-30	WO	N	1	2,2',3,3',4,5',6'-HEPTACHLOROBIPHENYL	0.40	0.40 J,M	0.40 J	PG/L	TR/G4
W5-WO30-0915-1	L1678771-30	WO	N	1	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	0.20	1.7 J,B	1.7 J	PG/L	B1/TR
W5-WO30-0915-1	L1678771-30	WO	N	1	2,2',3,4',5,5',6'-HEPTACHLOROBIPHENYL	0.31	0.31 J,M	0.31 J	PG/L	TR/G4
W5-WO30-0915-1	L1678771-30	WO	N	1	2,2',3,5,5',6'-HEXACHLOROBIPHENYL	0.16	0.51 J	0.51 J	PG/L	TR/B1
W5-WO30-0915-1	L1678771-30	WO	N	1	2,2',4,4',5-PENTACHLOROBIPHENYL	0.80	0.80 J,M	0.80 J	PG/L	TR/G4
W5-WO30-0915-1	L1678771-30	WO	N	1	2,2',4,5,5'-PENTACHLOROBIPHENYL	0.28	1.4 J	1.4 J	PG/L	TR
W5-WO30-0915-1	L1678771-30	WO	N	1	2,2',4,5'-TETRACHLOROBIPHENYL	0.39	1.3 J	1.3 J	PG/L	B1/TR
W5-WO30-0915-1	L1678771-30	WO	N	1	2,3,3',4,4'-PENTACHLOROBIPHENYL	0.42	0.42 J,M	0.42 J	PG/L	TR/G4
W5-WO30-0915-1	L1678771-30	WO	N	1	2,4,4'-TRICHLOROBIPHENYL	0.62	2.8 J	2.8 J	PG/L	B1/TR
W5-WO30-0915-1	L1678771-30	WO	N	1	PCB061/070/074/076	0.32	2.5 J	2.5 J	PG/L	TR/B1
W5-WO5-0915-1	L1678771-29	WO	N	1	2,2',3,3',4,4'-HEXACHLOROBIPHENYL	0.21	0.21 J,M	0.21 J	PG/L	TR/G4
W5-WO5-0915-1	L1678771-29	WO	N	1	2,2',3,4',5,5',6'-HEPTACHLOROBIPHENYL	0.45	0.45 J,M	0.45 J	PG/L	TR/G4
W5-WO5-0915-1	L1678771-29	WO	N	1	2,2',4,5,5'-PENTACHLOROBIPHENYL	0.32	1.3 J	1.3 J	PG/L	TR
W5-WO5-0915-1	L1678771-29	WO	N	1	2,2',4,5'-TETRACHLOROBIPHENYL	0.77	0.77 J,M	0.77 J	PG/L	B1/TR/G4
W5-WO5-0915-1	L1678771-29	WO	N	1	2,3,3',4,4'-PENTACHLOROBIPHENYL	0.24	0.53 J	0.53 J	PG/L	TR
W5-WO5-0915-1	L1678771-29	WO	N	1	PCB061/070/074/076	1.8	1.8 J,M	1.8 J	PG/L	TR/G4/B1
W5-WO55-0915-1	L1678771-31	WO	N	1	2,2',3,3',4,4'-HEXACHLOROBIPHENYL	0.15	0.15 J,M	0.15 J	PG/L	TR/G4
W5-WO55-0915-1	L1678771-31	WO	N	1	2,2',3,4',5,5',6'-HEPTACHLOROBIPHENYL	0.24	0.24 J,M	0.24 J	PG/L	TR/G4
W5-WO55-0915-1	L1678771-31	WO	N	1	2,2',4,4',5-PENTACHLOROBIPHENYL	0.50	0.50 J,M	0.50 J	PG/L	TR/G4
W5-WO55-0915-1	L1678771-31	WO	N	1	2,2',4,5,5'-PENTACHLOROBIPHENYL	0.32	1.6 J	1.6 J	PG/L	TR
W5-WO55-0915-1	L1678771-31	WO	N	1	2,2',4,5'-TETRACHLOROBIPHENYL	0.82	0.82 J,M	0.82 J	PG/L	B1/TR/G4
W5-WO55-0915-1	L1678771-31	WO	N	1	2,2',5,5'-TETRACHLOROBIPHENYL	0.40	3.9 J,B	3.9 J	PG/L	B1/TR
W5-WO55-0915-1	L1678771-31	WO	N	1	2,3,3',4,4'-PENTACHLOROBIPHENYL	0.30	0.30 J,M	0.30 J	PG/L	TR/G4

Automated Data Review Detail Report for L1678771

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Detected Results

Test Method: E1668C		Extraction Method: METHOD			Leach Method: NONE					
FieldSample ID	LabSample ID	Matrix	Type	Dilution	Analyte	MDL	Lab Result	Qualified Result	Units	Reason
W5-WO55-0915-1	L1678771-31	WO	N	1	2,4,4'-TRICHLOROBIPHENYL	0.55	2.8 J	2.8 J	PG/L	B1/TR
W5-WO55-0915-1	L1678771-31	WO	N	1	2,4,5-TRICHLOROBIPHENYL	0.54	2.6 J	2.6 J	PG/L	B1
W5-WO55-0915-1	L1678771-31	WO	N	1	PCB061/070/074/076	0.33	2.1 J	2.1 J	PG/L	TR/B1
W5-WO58-0915-1	L1678771-32	WO	N	1	2,2',3,3',4,4',5-HEPTACHLOROBIPHENYL	0.13	0.26 J	0.26 J	PG/L	TR
W5-WO58-0915-1	L1678771-32	WO	N	1	2,2',3,3',4,4'-HEXACHLOROBIPHENYL	0.10	0.22 J	0.22 J	PG/L	TR
W5-WO58-0915-1	L1678771-32	WO	N	1	2,2',3,4',5,5',6-HEPTACHLOROBIPHENYL	0.16	0.16 J,M	0.16 J	PG/L	TR/G4
W5-WO58-0915-1	L1678771-32	WO	N	1	2,2',4,4',5-PENTACHLOROBIPHENYL	0.14	0.61 J	0.61 J	PG/L	D5/TR
W5-WO58-0915-1	L1678771-32	WO	N	1	2,2',4,5,5'-PENTACHLOROBIPHENYL	0.71	0.71 J,M	0.71 J	PG/L	D5/TR/G4
W5-WO58-0915-1	L1678771-32	WO	N	1	2,3,3',4,4',6-HEXACHLOROBIPHENYL	0.12	0.12 J,M	0.12 J	PG/L	TR/G4
W5-WO58-0915-1	L1678771-32	WO	N	1	2,3,3',4,4'-PENTACHLOROBIPHENYL	0.12	0.24 J	0.24 J	PG/L	TR
W5-WO58-0915-1	L1678771-32	WO	N	1	PCB061/070/074/076	0.19	1.6 J	1.6 J	PG/L	TR/B1
W5-WO58-0915-2	L1678771-33	WO	FD	1	2,2',3,3',4,4',5-HEPTACHLOROBIPHENYL	0.16	0.16 J,M	0.16 J	PG/L	TR/G4
W5-WO58-0915-2	L1678771-33	WO	FD	1	2,2',3,3',4,4'-HEXACHLOROBIPHENYL	0.16	0.16 J,M	0.16 J	PG/L	TR/G4
W5-WO58-0915-2	L1678771-33	WO	FD	1	2,2',3,4',5',6-HEPTACHLOROBIPHENYL	0.099	0.17 J	0.17 J	PG/L	D5/TR
W5-WO58-0915-2	L1678771-33	WO	FD	1	2,2',3,4',5,5',6-HEPTACHLOROBIPHENYL	0.086	0.17 J	0.17 J	PG/L	TR
W5-WO58-0915-2	L1678771-33	WO	FD	1	2,2',4,4',5-PENTACHLOROBIPHENYL	0.28	0.28 J,M	0.28 J	PG/L	D5/TR/G4
W5-WO58-0915-2	L1678771-33	WO	FD	1	2,2',4,5,5'-PENTACHLOROBIPHENYL	1.1	1.1 J,M	1.1 J	PG/L	D5/TR/G4
W5-WO58-0915-2	L1678771-33	WO	FD	1	2,3,3',4,4',6-HEXACHLOROBIPHENYL	0.095	0.095 J,M	0.095 J	PG/L	TR/G4
W5-WO58-0915-2	L1678771-33	WO	FD	1	2,3,3',4,4'-PENTACHLOROBIPHENYL	0.32	0.32 J,M	0.32 J	PG/L	TR/G4
W5-WO58-0915-2	L1678771-33	WO	FD	1	PCB061/070/074/076	0.26	1.5 J	1.5 J	PG/L	TR/B1

Test Method: E1699		Extraction Method: METHOD			Leach Method: NONE					
FieldSample ID	LabSample ID	Matrix	Type	Dilution	Analyte	MDL	Lab Result	Qualified Result	Units	Reason
BA6C-WO55-0915-1	L1678771-4	WO	N	1	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0013	0.019 J	0.019 J	NG/L	H2/TR/X2

Automated Data Review Detail Report for L1678771

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Detected Results

Test Method: E1699		Extraction Method: METHOD			Leach Method: NONE					
FieldSample ID	LabSample ID	Matrix	Type	Dilution	Analyte	MDL	Lab Result	Qualified Result	Units	Reason
BA6C-WO55-0915-1	L1678771-4	WO	N	1	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.042	0.37	0.37 J	NG/L	H2/X2
BA6C-WO55-0915-1	L1678771-4	WO	N	1	o,p'-DDD	0.035	0.035 J,M	0.035 J	NG/L	H2/L/TR/G4/X2/C11
BA6C-WO55-0915-1	L1678771-4	WO	N	1	o,p'-DDE	0.0054	0.11	0.11 J	NG/L	H2/X2
BA6C-WO55-0915-1	L1678771-4	WO	N	1	p,p'-DDD	0.016	0.066 J	0.066 J	NG/L	H2/TR/X2
BA6C-WO55-0915-1	L1678771-4	WO	N	1	p,p'-DDE	0.0074	0.48	0.48 J	NG/L	H2/X2
BA7BC-WO50-0915-1	L1678771-6	WO	N	1	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0011	0.013 J	0.013 J	NG/L	H2/TR
BA7BC-WO50-0915-1	L1678771-6	WO	N	1	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.040	0.30 M	0.30 J	NG/L	H2
BA7BC-WO50-0915-1	L1678771-6	WO	N	1	o,p'-DDD	0.029	0.029 J,M	0.029 J	NG/L	H2/L/TR/G4/C11
BA7BC-WO50-0915-1	L1678771-6	WO	N	1	o,p'-DDE	0.0046	0.077 J	0.077 J	NG/L	H2/TR
BA7BC-WO50-0915-1	L1678771-6	WO	N	1	p,p'-DDD	0.041	0.041 J,M	0.041 J	NG/L	H2/TR/G4
BA7BC-WO50-0915-1	L1678771-6	WO	N	1	p,p'-DDE	0.0087	0.33	0.33 J	NG/L	H2
BA7BC-WO5-0915-1	L1678771-5	WO	N	1	p,p'-DDE	0.011	0.015 J	0.015 J	NG/L	H2/TR
BA7BC-WO95-0915-1	L1678771-7	WO	N	1	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0014	0.035 J	0.035 J	NG/L	H2/TR/X2
BA7BC-WO95-0915-1	L1678771-7	WO	N	1	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.042	0.61	0.61 J	NG/L	H2/X2
BA7BC-WO95-0915-1	L1678771-7	WO	N	1	o,p'-DDD	0.012	0.052 J	0.052 J	NG/L	H2/L/TR/X2/C11
BA7BC-WO95-0915-1	L1678771-7	WO	N	1	o,p'-DDE	0.0036	0.20	0.20 J	NG/L	H2/X2
BA7BC-WO95-0915-1	L1678771-7	WO	N	1	p,p'-DDD	0.022	0.073 J	0.073 J	NG/L	H2/TR/X2
BA7BC-WO95-0915-1	L1678771-7	WO	N	1	p,p'-DDE	0.012	0.95	0.95 J	NG/L	H2/X2
BA7B-WO145-0915-1	L1678771-3	WO	N	1	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0017	0.041 J	0.041 J	NG/L	H2/TR
BA7B-WO145-0915-1	L1678771-3	WO	N	1	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.083	0.62	0.62 J	NG/L	H2
BA7B-WO145-0915-1	L1678771-3	WO	N	1	o,p'-DDE	0.011	0.072 J	0.072 J	NG/L	H2/TR
BA7B-WO145-0915-1	L1678771-3	WO	N	1	p,p'-DDD	0.021	0.052 J	0.052 J	NG/L	H2/TR
BA7B-WO145-0915-1	L1678771-3	WO	N	1	p,p'-DDE	0.016	0.35	0.35 J	NG/L	H2
BA7B-WO5-0915-1	L1678771-1	WO	N	1	p,p'-DDE	0.011	0.021 J	0.021 J	NG/L	H2/TR/X2
BA7B-WO75-0915-1	L1678771-2	WO	N	1	o,p'-DDE	0.0051	0.016 J	0.016 J	NG/L	H2/TR/X2

Automated Data Review Detail Report for L1678771

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Detected Results

Test Method: E1699		Extraction Method: METHOD			Leach Method: NONE					
FieldSample ID	LabSample ID	Matrix	Type	Dilution	Analyte	MDL	Lab Result	Qualified Result	Units	Reason
BA7B-WO75-0915-1	L1678771-2	WO	N	1	p,p'-DDE	0.0067	0.090 J	0.090 J	NG/L	H2/TR/X2
BA8BC-WO50-0915-1	L1678771-12	WO	N	1	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0001	0.0071 J	0.0071 J	NG/L	B1/H2/TR/X2
BA8BC-WO50-0915-1	L1678771-12	WO	N	1	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.0031	0.14 M	0.14 J	NG/L	H2/X2
BA8BC-WO50-0915-1	L1678771-12	WO	N	1	o,p'-DDD	0.0085	0.0085 J,M	0.0085 J	NG/L	H2/TR/G4/X2
BA8BC-WO50-0915-1	L1678771-12	WO	N	1	o,p'-DDE	0.0001	0.039	0.039 J	NG/L	H2/X2
BA8BC-WO50-0915-1	L1678771-12	WO	N	1	p,p'-DDD	0.0016	0.031 M	0.031 J	NG/L	H2/B1/X2
BA8BC-WO50-0915-1	L1678771-12	WO	N	1	p,p'-DDE	0.0003	0.21	0.21 J	NG/L	H2/B1/X2
BA8BC-WO50-0915-1	L1678771-12	WO	N	1	p,p'-DDT	0.0029	0.0081 J,B	0.0081 J	NG/L	B1/H2/TR/L/X2
BA8BC-WO5-0915-1	L1678771-11	WO	N	1	p,p'-DDE	0.012	0.026 J	0.026 J	NG/L	H2/TR
BA8BC-WO95-0915-1	L1678771-13	WO	N	1	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0001	0.027 M	0.027 J	NG/L	H2/B1/X2
BA8BC-WO95-0915-1	L1678771-13	WO	N	1	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.0059	0.55	0.55 J	NG/L	H2/X2
BA8BC-WO95-0915-1	L1678771-13	WO	N	1	o,p'-DDD	0.0014	0.023 J	0.023 J	NG/L	H2/TR/X2
BA8BC-WO95-0915-1	L1678771-13	WO	N	1	o,p'-DDE	0.0005	0.10	0.10 J	NG/L	H2/X2
BA8BC-WO95-0915-1	L1678771-13	WO	N	1	p,p'-DDD	0.0024	0.063 M	0.063 J	NG/L	H2/B1/X2
BA8BC-WO95-0915-1	L1678771-13	WO	N	1	p,p'-DDE	0.0012	0.54	0.54 J	NG/L	H2/B1/X2
BA8BC-WO95-0915-1	L1678771-13	WO	N	1	p,p'-DDT	0.0041	0.0082 J,B	0.0082 J	NG/L	B1/H2/TR/L/X2
BA8B-WO145-0915-1	L1678771-10	WO	N	1	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0015	0.036 J	0.036 J	NG/L	H2/TR
BA8B-WO145-0915-1	L1678771-10	WO	N	1	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.054	0.54	0.54 J	NG/L	H2
BA8B-WO145-0915-1	L1678771-10	WO	N	1	o,p'-DDE	0.0085	0.064 J	0.064 J	NG/L	H2/TR
BA8B-WO145-0915-1	L1678771-10	WO	N	1	p,p'-DDD	0.040	0.040 J,M	0.040 J	NG/L	H2/TR/G4
BA8B-WO145-0915-1	L1678771-10	WO	N	1	p,p'-DDE	0.013	0.26	0.26 J	NG/L	H2
BA8B-WO5-0915-1	L1678771-8	WO	N	1	p,p'-DDE	0.012	0.029 J	0.029 J	NG/L	H2/TR
BA8B-WO75-0915-1	L1678771-9	WO	N	1	o,p'-DDE	0.0062	0.015 J	0.015 J	NG/L	H2/TR/X2
BA8B-WO75-0915-1	L1678771-9	WO	N	1	p,p'-DDE	0.014	0.069 J	0.069 J	NG/L	H2/TR/X2
BA8C-WO5-0915-1	L1678771-14	WO	N	1	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0004	0.0004 J,M	0.0004 J	NG/L	B1/H2/TR/G4/X2

Automated Data Review Detail Report for L1678771

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Detected Results

Test Method: E1699		Extraction Method: METHOD			Leach Method: NONE					
FieldSample ID	LabSample ID	Matrix	Type	Dilution	Analyte	MDL	Lab Result	Qualified Result	Units	Reason
BA8C-WO5-0915-1	L1678771-14	WO	N	1	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.015	0.015 J,M	0.015 J	NG/L	H2/TR/G4/X2
BA8C-WO5-0915-1	L1678771-14	WO	N	1	o,p'-DDD	0.0015	0.0015 J,M	0.0015 J	NG/L	H2/TR/G4/X2
BA8C-WO5-0915-1	L1678771-14	WO	N	1	o,p'-DDE	0.0020	0.0020 J,M	0.0020 J	NG/L	H2/TR/G4/X2
BA8C-WO5-0915-1	L1678771-14	WO	N	1	p,p'-DDD	0.0028	0.0028 J,M	0.0028 J	NG/L	B1/H2/TR/G4/X2
BA8C-WO5-0915-1	L1678771-14	WO	N	1	p,p'-DDE	0.0003	0.020 J,B	0.020 J	NG/L	B1/H2/G4/X2
BA8DC-WO20-0915-1	L1678771-16	WO	N	1	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0002	0.0037 J	0.0037 J	NG/L	B1/H2/TR
BA8DC-WO20-0915-1	L1678771-16	WO	N	1	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.0033	0.034 M	0.034 J	NG/L	H2
BA8DC-WO20-0915-1	L1678771-16	WO	N	1	o,p'-DDD	0.0010	0.0032 J	0.0032 J	NG/L	H2/TR
BA8DC-WO20-0915-1	L1678771-16	WO	N	1	o,p'-DDE	0.0002	0.012 J	0.012 J	NG/L	H2/TR
BA8DC-WO20-0915-1	L1678771-16	WO	N	1	p,p'-DDD	0.0019	0.014 J,B	0.014 J	NG/L	B1/H2/TR
BA8DC-WO20-0915-1	L1678771-16	WO	N	1	p,p'-DDE	0.0004	0.058 B	0.058 J	NG/L	H2/B1
BA8DC-WO20-0915-1	L1678771-16	WO	N	1	p,p'-DDT	0.0032	0.015 J,B	0.015 J	NG/L	B1/H2/TR/L
BA8DC-WO35-0915-1	L1678771-17	WO	N	1	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0002	0.015 J	0.015 J	NG/L	B1/H2/TR
BA8DC-WO35-0915-1	L1678771-17	WO	N	1	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.0056	0.16 M	0.16 J	NG/L	H2
BA8DC-WO35-0915-1	L1678771-17	WO	N	1	o,p'-DDD	0.0013	0.020 J	0.020 J	NG/L	H2/TR
BA8DC-WO35-0915-1	L1678771-17	WO	N	1	o,p'-DDE	0.0007	0.064	0.064 J	NG/L	H2
BA8DC-WO35-0915-1	L1678771-17	WO	N	1	o,p'-DDT	0.0068	0.0068 J,M	0.0068 J	NG/L	B1/H2/TR/G4
BA8DC-WO35-0915-1	L1678771-17	WO	N	1	p,p'-DDD	0.0021	0.051 M	0.051 J	NG/L	H2/B1
BA8DC-WO35-0915-1	L1678771-17	WO	N	1	p,p'-DDE	0.0015	0.33	0.33 J	NG/L	H2/B1
BA8DC-WO35-0915-1	L1678771-17	WO	N	1	p,p'-DDT	0.0038	0.022 J,B	0.022 J	NG/L	B1/H2/TR/L
BA8DC-WO38-0915-1	L1678771-18	WO	N	1	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0001	0.012 J	0.012 J	NG/L	B1/H2/TR
BA8DC-WO38-0915-1	L1678771-18	WO	N	1	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.0054	0.21 M	0.21 J	NG/L	H2
BA8DC-WO38-0915-1	L1678771-18	WO	N	1	o,p'-DDD	0.0009	0.017 J	0.017 J	NG/L	H2/TR
BA8DC-WO38-0915-1	L1678771-18	WO	N	1	o,p'-DDE	0.0003	0.070 M	0.070 J	NG/L	H2
BA8DC-WO38-0915-1	L1678771-18	WO	N	1	p,p'-DDD	0.0015	0.050 M	0.050 J	NG/L	H2/B1
BA8DC-WO38-0915-1	L1678771-18	WO	N	1	p,p'-DDE	0.0007	0.36	0.36 J	NG/L	H2/B1

Automated Data Review Detail Report for L1678771

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Detected Results

Test Method: E1699		Extraction Method: METHOD			Leach Method: NONE					
FieldSample ID	LabSample ID	Matrix	Type	Dilution	Analyte	MDL	Lab Result	Qualified Result	Units	Reason
BA8DC-WO38-0915-1	L1678771-18	WO	N	1	p,p'-DDT	0.0026	0.014 J,B	0.014 J	NG/L	B1/H2/TR/L
BA8DC-WO5-0915-1	L1678771-15	WO	N	1	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0000	0.0007 J	0.0007 J	NG/L	B1/H2/TR
BA8DC-WO5-0915-1	L1678771-15	WO	N	1	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.013	0.013 J,M	0.013 J	NG/L	H2/TR/G4
BA8DC-WO5-0915-1	L1678771-15	WO	N	1	o,p'-DDD	0.0016	0.0016 J,M	0.0016 J	NG/L	H2/TR/G4
BA8DC-WO5-0915-1	L1678771-15	WO	N	1	o,p'-DDE	0.0013	0.0013 J,M	0.0013 J	NG/L	H2/TR/G4
BA8DC-WO5-0915-1	L1678771-15	WO	N	1	p,p'-DDD	0.0010	0.0042 J,B	0.0042 J	NG/L	B1/H2/TR
BA8DC-WO5-0915-1	L1678771-15	WO	N	1	p,p'-DDE	0.0005	0.016 J,B	0.016 J	NG/L	B1/H2/TR
BA9BC-WO50-0915-1	L1678771-23	WO	N	1	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0002	0.0021 J	0.0021 J	NG/L	B1/H2/TR/X2
BA9BC-WO50-0915-1	L1678771-23	WO	N	1	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.0032	0.025 M	0.025 J	NG/L	H2/X2
BA9BC-WO50-0915-1	L1678771-23	WO	N	1	o,p'-DDE	0.0004	0.0048 J	0.0048 J	NG/L	H2/TR/X2
BA9BC-WO50-0915-1	L1678771-23	WO	N	1	p,p'-DDD	0.0022	0.0050 J,B	0.0050 J	NG/L	B1/H2/TR/X2
BA9BC-WO50-0915-1	L1678771-23	WO	N	1	p,p'-DDE	0.0008	0.032 B	0.032 J	NG/L	H2/B1/X2
BA9BC-WO5-0915-1	L1678771-22	WO	N	1	o,p'-DDD	0.0021	0.0029 J	0.0029 J	NG/L	H2/TR
BA9BC-WO5-0915-1	L1678771-22	WO	N	1	o,p'-DDE	0.0013	0.0013 J,M	0.0013 J	NG/L	H2/TR/G4
BA9BC-WO5-0915-1	L1678771-22	WO	N	1	p,p'-DDE	0.0003	0.012 J,B	0.012 J	NG/L	B1/H2/TR
BA9BC-WO5-0915-1	L1678771-22	WO	N	1	p,p'-DDT	0.0062	0.010 J,B	0.010 J	NG/L	B1/H2/TR/L
BA9BC-WO95-0915-1	L1678771-24	WO	N	1	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0001	0.0067 J	0.0067 J	NG/L	B1/H2/TR
BA9BC-WO95-0915-1	L1678771-24	WO	N	1	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.0039	0.12	0.12 J	NG/L	H2
BA9BC-WO95-0915-1	L1678771-24	WO	N	1	o,p'-DDD	0.0007	0.0078 J	0.0078 J	NG/L	H2/TR
BA9BC-WO95-0915-1	L1678771-24	WO	N	1	o,p'-DDE	0.0002	0.030	0.030 J	NG/L	H2
BA9BC-WO95-0915-1	L1678771-24	WO	N	1	p,p'-DDD	0.017	0.017 J,M	0.017 J	NG/L	B1/H2/TR/G4
BA9BC-WO95-0915-1	L1678771-24	WO	N	1	p,p'-DDE	0.0004	0.17	0.17 J	NG/L	H2/B1
BA9B-WO145-0915-1	L1678771-21	WO	N	1	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0001	0.018 J	0.018 J	NG/L	B1/H2/TR
BA9B-WO145-0915-1	L1678771-21	WO	N	1	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.0023	0.28 M	0.28 J	NG/L	H2
BA9B-WO145-0915-1	L1678771-21	WO	N	1	o,p'-DDD	0.0009	0.011 J	0.011 J	NG/L	H2/TR
BA9B-WO145-0915-1	L1678771-21	WO	N	1	o,p'-DDE	0.0003	0.034	0.034 J	NG/L	H2

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Component Palos Verdes Shelf, Los Angeles County, California

Detected Results

Test Method: E1699		Extraction Method: METHOD			Leach Method: NONE					
FieldSample ID	LabSample ID	Matrix	Type	Dilution	Analyte	MDL	Lab Result	Qualified Result	Units	Reason
BA9B-WO145-0915-1	L1678771-21	WO	N	1	p,p'-DDD	0.0015	0.024 M	0.024 J	NG/L	H2/B1/G4
BA9B-WO145-0915-1	L1678771-21	WO	N	1	p,p'-DDE	0.0006	0.20	0.20 J	NG/L	H2/B1
BA9B-WO5-0915-1	L1678771-19	WO	N	1	o,p'-DDD	0.0042	0.0042 J,M	0.0042 J	NG/L	H2/TR/G4
BA9B-WO5-0915-1	L1678771-19	WO	N	1	o,p'-DDE	0.0001	0.0034 J	0.0034 J	NG/L	H2/TR
BA9B-WO5-0915-1	L1678771-19	WO	N	1	p,p'-DDD	0.0032	0.0032 J,M	0.0032 J	NG/L	B1/H2/TR/G4
BA9B-WO5-0915-1	L1678771-19	WO	N	1	p,p'-DDE	0.0003	0.019 J,B	0.019 J	NG/L	B1/H2/TR
BA9B-WO75-0915-1	L1678771-20	WO	N	1	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0001	0.014 J	0.014 J	NG/L	B1/H2/TR
BA9B-WO75-0915-1	L1678771-20	WO	N	1	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.0033	0.18	0.18 J	NG/L	H2
BA9B-WO75-0915-1	L1678771-20	WO	N	1	o,p'-DDD	0.0058	0.0058 J,M	0.0058 J	NG/L	H2/TR/G4
BA9B-WO75-0915-1	L1678771-20	WO	N	1	o,p'-DDE	0.0011	0.043	0.043 J	NG/L	H2
BA9B-WO75-0915-1	L1678771-20	WO	N	1	p,p'-DDD	0.0025	0.028 B	0.028 J	NG/L	H2/B1
BA9B-WO75-0915-1	L1678771-20	WO	N	1	p,p'-DDE	0.0024	0.21 M	0.21 J	NG/L	H2/B1
BA9B-WO75-0915-1	L1678771-20	WO	N	1	p,p'-DDT	0.0044	0.0093 J,B	0.0093 J	NG/L	B1/H2/TR/L
BA9C-WO30-0915-1	L1678771-26	WO	N	1	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0027	0.0027 J,M	0.0027 J	NG/L	B1/H2/TR/G4/X2
BA9C-WO30-0915-1	L1678771-26	WO	N	1	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.0032	0.051 M	0.051 J	NG/L	H2/X2
BA9C-WO30-0915-1	L1678771-26	WO	N	1	o,p'-DDD	0.0011	0.0047 J	0.0047 J	NG/L	H2/TR/X2
BA9C-WO30-0915-1	L1678771-26	WO	N	1	o,p'-DDE	0.0001	0.015 J	0.015 J	NG/L	H2/TR/X2
BA9C-WO30-0915-1	L1678771-26	WO	N	1	p,p'-DDD	0.0017	0.012 J,B	0.012 J	NG/L	B1/H2/TR/X2
BA9C-WO30-0915-1	L1678771-26	WO	N	1	p,p'-DDE	0.0003	0.072 B	0.072 J	NG/L	H2/B1/X2
BA9C-WO5-0915-1	L1678771-25	WO	N	1	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0003	0.0003 J,M	0.0003 J	NG/L	B1/H2/TR/G4
BA9C-WO5-0915-1	L1678771-25	WO	N	1	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.0019	0.0056 J	0.0056 J	NG/L	H2/TR
BA9C-WO5-0915-1	L1678771-25	WO	N	1	o,p'-DDE	0.0009	0.0009 J,M	0.0009 J	NG/L	H2/TR/G4
BA9C-WO55-0915-1	L1678771-27	WO	N	1	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0004	0.0068 J	0.0068 J	NG/L	H2/TR
BA9C-WO55-0915-1	L1678771-27	WO	N	1	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.0073	0.058	0.058 J	NG/L	H2
BA9C-WO55-0915-1	L1678771-27	WO	N	1	o,p'-DDD	0.0089	0.0089 J,M	0.0089 J	NG/L	H2/TR/G4
BA9C-WO55-0915-1	L1678771-27	WO	N	1	o,p'-DDE	0.0012	0.019 J	0.019 J	NG/L	H2/TR

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Component Palos Verdes Shelf, Los Angeles County, California

Detected Results

Test Method: E1699		Extraction Method: METHOD			Leach Method: NONE					
FieldSample ID	LabSample ID	Matrix	Type	Dilution	Analyte	MDL	Lab Result	Qualified Result	Units	Reason
BA9C-WO55-0915-1	L1678771-27	WO	N	1	p,p'-DDD	0.0056	0.010 J	0.010 J	NG/L	H2/TR
BA9C-WO55-0915-1	L1678771-27	WO	N	1	p,p'-DDE	0.0024	0.094	0.094 J	NG/L	H2/B1
BA9C-WO58-0915-1	L1678771-28	WO	N	1	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0004	0.012 J	0.012 J	NG/L	H2/TR/X2
BA9C-WO58-0915-1	L1678771-28	WO	N	1	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.0087	0.11	0.11 J	NG/L	H2/X2
BA9C-WO58-0915-1	L1678771-28	WO	N	1	o,p'-DDD	0.0090	0.0090 J,M	0.0090 J	NG/L	H2/TR/G4/X2
BA9C-WO58-0915-1	L1678771-28	WO	N	1	o,p'-DDE	0.0009	0.030	0.030 J	NG/L	H2/X2
BA9C-WO58-0915-1	L1678771-28	WO	N	1	o,p'-DDT	0.0040	0.0040 J,M	0.0040 J	NG/L	H2/TR/G4/X2
BA9C-WO58-0915-1	L1678771-28	WO	N	1	p,p'-DDD	0.0023	0.017 J	0.017 J	NG/L	H2/TR/X2
BA9C-WO58-0915-1	L1678771-28	WO	N	1	p,p'-DDE	0.0020	0.14	0.14 J	NG/L	H2/B1/X2
W5-WO30-0915-1	L1678771-30	WO	N	1	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0003	0.0018 J	0.0018 J	NG/L	H2/TR
W5-WO30-0915-1	L1678771-30	WO	N	1	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.0063	0.022 J	0.022 J	NG/L	H2/TR
W5-WO30-0915-1	L1678771-30	WO	N	1	o,p'-DDE	0.0008	0.0088 J	0.0088 J	NG/L	H2/TR
W5-WO30-0915-1	L1678771-30	WO	N	1	p,p'-DDE	0.0022	0.040 B	0.040 J	NG/L	H2/B1
W5-WO5-0915-1	L1678771-29	WO	N	1	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0003	0.0009 J	0.0009 J	NG/L	H2/TR
W5-WO5-0915-1	L1678771-29	WO	N	1	o,p'-DDE	0.0007	0.0032 J	0.0032 J	NG/L	H2/TR
W5-WO5-0915-1	L1678771-29	WO	N	1	p,p'-DDE	0.0023	0.012 J,B	0.012 J	NG/L	B1/H2/TR
W5-WO55-0915-1	L1678771-31	WO	N	1	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0003	0.0010 J	0.0010 J	NG/L	H2/TR/X2
W5-WO55-0915-1	L1678771-31	WO	N	1	o,p'-DDE	0.0008	0.0037 J	0.0037 J	NG/L	H2/TR/X2
W5-WO55-0915-1	L1678771-31	WO	N	1	p,p'-DDE	0.0029	0.020 J,B	0.020 J	NG/L	B1/H2/TR/X2
W5-WO58-0915-1	L1678771-32	WO	N	1	o,p'-DDE	0.0017	0.0017 J,M	0.0017 J	NG/L	H2/D5/TR/G4/X2
W5-WO58-0915-1	L1678771-32	WO	N	1	p,p'-DDE	0.0026	0.011 J,B	0.011 J	NG/L	B1/H2/D5/TR/X2
W5-WO58-0915-2	L1678771-33	WO	FD	1	p,p'-DDE	0.011	0.017 J,B	0.017 J	NG/L	B1/H2/D5/TR

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Component Palos Verdes Shelf, Los Angeles County, California

Rejected Results

--No Records Found--

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Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Review Questions

Method: E1668C

Review Questions	Yes	No	NA	Comment
Stage 3 & 4 Review: COC - Custody Trail?	•			
Stage 3 & 4 Review: COC - Temperature/Condition	•			
Stage 3 & 4 Review: COC - Receipt anomalies?		•		
Stage 3 & 4 Review: COC - Sample/Methods checked?	•			
Stage 3 & 4 Review: Case Narrative - Anomalies?	•			See SDG Comment
Stage 3 & 4 Review: Samples - Collection date?	•			09/24/2015
Stage 3 & 4 Review: Samples - Extraction date?	•			09/29/2015, 09/30/2015, 10/01/2015
Stage 3 & 4 Review: Samples - Analysis date?	•			12/03/2015, 12/04/2015, 12/05/2015, 12/07/2015, and 12/10/2015
Stage 3 & 4 Review: Samples - Holding time?	•			
Stage 3 & 4 Review: Samples - Batching?	•			WG2180473, WG2181741, and WG2182793
Stage 3 & 4 Review: Samples - Surrogate recoveries?			•	
Stage 3 & 4 Review: Samples - Internal standard recoveries?		•		Several extraction standard recoveries were low. For all project samples, only one of the standard recoveries did not meet criteria; therefore, qualification of data is not warranted.
Stage 3 & 4 Review: Samples - Lab qualifiers?	•			J-Flag: Result >= MDL, <= RL. R-flag: ion abundance criteria not met. M-flag: peak was manually integrated. B-flag: analyte detected in the blank >10% of sample concentration.
				QC Sample WG2180473-1: The following compounds were detected in the method blank. Associated sample results detected at a concentration less than the concentration in the method blank are flagged as not-detected (U) and the reporting limit has been raised to the concentration detected in the blank. Associated results detected at concentrations greater than the concentration in the method blank are flagged for potential high bias (J+). PCB-18/30 (3.6 pg/L) PCB-31 (3.64 pg/L) PCB-20/28 (4.57 pg/L) PCB-37 (1.56 pg/L) PCB-52 (3.61 pg/L) PCB-49/69 (1.34 pg/L) PCB-44/47/65 (5.3 pg/L) PCB-61/70/74/76 (2.75 pg/L) PCB-66 (1.28 pg/L) PCB-90/101/113 (1.81 pg/L) PCB-83/99 (0.72 pg/L) PCB-86/87/97/109/119/125 (1 pg/L) PCB-85/110/115/116/117 (2.5 pg/L) PCB-118 (1.34 pg/L)

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Stage 3 & 4 Review: Blank - Method blank?

PCB-105 (0.59 pg/L)
PCB-135/151 (0.68 pg/L)
PCB-147/149 (1.23 pg/L)
PCB-153/168 (1.03 pg/L)
PCB-129/138/163 (1.57 pg/L)
PCB-158 (0.18 pg/L)
PCB-128/166 (0.26 pg/L)
PCB-156/157 (0.376 pg/L)
PCB-187 (0.24 pg/L)
PCB-180/193 (0.53 pg/L)
PCB-170 (0.38 pg/L)
PCB-209 (2.36 pg/L)

QC Sample WG2181741-1: The following compounds were detected in the method blank. Associated sample results detected at a concentration less than the concentration in the method blank are flagged as not-detected (U) and the reporting limit has been raised to the concentration detected in the blank. Associated results detected at concentrations greater than the concentration in the method blank are flagged for potential high bias (J+).

PCB-18/30 (2 pg/L)
PCB-31 (2.57 pg/L)
PCB-20/28 (2.6 pg/L)
PCB-52 (2.65 pg/L)
PCB-49/69 (0.91 pg/L)
PCB-44/47/65 (4.19 pg/L)
PCB-61/70/74/76 (2.5 pg/L)
PCB-66 (1.12 pg/L)
PCB-90/101/113 (1.58 pg/L)
PCB-85/110/115/116/117 (1.2 pg/L)
PCB-118 (1.04 pg/L)
PCB-135/151 (0.4 pg/L)
PCB-147/149 (1.36 pg/L)
PCB-153/168 (0.968 pg/L)
PCB-129/138/163 (1.59 pg/L)
PCB-128/166 (0.248 pg/L)
PCB-187 (0.32 pg/L)
PCB-180/193 (0.716 pg/L)
PCB-209 (1.5 pg/L)

QC Sample WG2182793-1: The following compounds were detected in the method blank. Associated sample results detected at a concentration less than the concentration in the method blank are flagged as not-detected (U) and the reporting limit has been raised to the concentration detected in the blank. Associated results detected at concentrations greater than the concentration in the method blank are flagged for potential high bias (J+).

PCB-18/30 (2.76 pg/L)
PCB-31 (2.3 pg/L)
PCB-20/28 (2.6 pg/L)
PCB-37 (1.04 pg/L)
PCB-52 (2.79 pg/L)
PCB-49/69 (0.77 pg/L)

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PCB-44/47/65 (4 pg/L)
PCB-61/70/74/76 (1 pg/L)
PCB-66 (1.27 pg/L)
PCB-77 (0.78 pg/L)
PCB-86/87/97/109/119/125 (1.4 pg/L)
PCB-85/110/115/116/117 (2.9 pg/L)
PCB-118 (1.2 pg/L)
PCB-135/151 (0.42 pg/L)
PCB-147/149 (1.24 pg/L)
PCB-153/168 (1.3 pg/L)
PCB-129/138/163 (1.47 pg/L)
PCB-156/157 (0.908 pg/L)
PCB-169 (0.66 pg/L)
PCB-180/193 (1.09 pg/L)
PCB-194 (0.5 pg/L)
PCB-209 (1.5 pg/L)

Stage 3 & 4 Review: Blank - Equipment blank?	•	
Stage 3 & 4 Review: Calibration - ICAL?	•	
Stage 3 & 4 Review: Calibration - ICV?	•	
Stage 3 & 4 Review: Calibration - CCV?	•	
Stage 3 & 4 Review: Precision/Accuracy - LCS/LCSD?	•	Precision analyses are not required by the method. For overall project precision, all project LCS spike recoveries were statistically evaluated as a single data set and appear acceptable.
Stage 3 & 4 Review: Precision/Accuracy - Lab Replicate?	•	
Stage 3 & 4 Review: Instrument - Tune?	•	
Stage 3 & 4 Review: Breakdown Standard?	•	
Stage 3 & 4 Review: Quantitation - PQLs?	•	
Stage 3 & 4 Review: Quantitation - Dilution Factor?	•	No dilutions.
Stage 3 & 4 Review: Quantitation - Results (RT, Ions, Rel. Itens.)?	•	One or more sample results were reported by the laboratory as not-detected with a laboratory data flag of "R" and an EMPC value (indicating that ion abundance criteria were not met). For those results, the "PARVQ" was changed to "C", the "<" parameter was removed, and the results are qualified as estimated concentrations (J).
Stage 3 & 4 Review: Quantitation - Retention times?	•	
Stage 3 & 4 Review: Quantitation - Major ions present?	•	
Stage 3 & 4 Review: Quantitation - Relative intensities?	•	
Stage 3 & 4 Review: Quantitation - Column/Detector RPD?	•	
Stage 3 & 4 Review: Quantitation - Confirmation?	•	

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Review Questions

Method: E1668C

Review Questions	Yes	No	NA	Comment
				Overall, reported sample concentrations could be recalculated from the raw data using the equations provided in the "Method Summary" section of each analytical report.
				The Level 4 attachment includes all recalculations. In some cases where the recalculated values did not exactly match, the laboratory confirmed that rounding issues were a factor. Many of the results in the raw data files were reported using exponential notation (E08) resulting in some loss of accuracy in the recalculations.
Stage 3 & 4 Review: Quantitation - Result recalculation?	•			Highlighted results indicate that the results recalculated using the IS/ES method differed from the reported value. These results were generally manual integrations and/or EMPC values. A subset of these results (in peach) were recalculated using the EMPC method and the results agreed with the reported results. Some of the highlighted results could not be reproduced if manual integration was used. The validator could not recalculate the peaks because the raw spectra and data reduction software are not available; however, the spectra were reviewed to confirm baseline drift. For the results in purple, results could not be reproduced. Qualification of the data is not warranted on this basis.
Stage 3 & 4 Review: Field Duplicates - RPD within limits?		•		For Client Sample IDs W5-WO58-0915- and W5-WO58-0915-2, the sample results for three analytes (PCB-101, PCB-183, and PCB-099) are qualified as estimated concentrations (J/UJ) due to poor field duplicate precision.
Stage 4 Review: Reviewed Chromatograms/Spectra?	•			
Stage 3 & 4 Review: Precision/Accuracy - MS/MSD?			•	

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Review Questions

Method: E1699

Review Questions	Yes	No	NA	Comment
Stage 3 & 4 Review: COC - Custody Trail?	•			
Stage 3 & 4 Review: COC - Temperature/Condition	•			
Stage 3 & 4 Review: COC - Receipt anomalies?		•		
Stage 3 & 4 Review: COC - Sample/Methods checked?	•			
Stage 3 & 4 Review: Case Narrative - Anomalies?	•			See SDG comments.
Stage 3 & 4 Review: Samples - Collection date?	•			09/24/2015
Stage 3 & 4 Review: Samples - Extraction date?				09/29/2015, 09/30/2015, 10/01/2015
Stage 3 & 4 Review: Samples - Analysis date?	•			12/06/2015, 12/07/2015, 12/08/2015
Stage 3 & 4 Review: Samples - Holding time?		•		Holding time exceeded project criteria; samples were extracted within the 7 day recommended holding time, but were analyzed more than 40 days after extraction. The associated samples are qualified as estimated with a potential low bias (J-/UJ).
Stage 3 & 4 Review: Samples - Batching?	•			WG2180473, WG2181741, and WG2182793
Stage 3 & 4 Review: Samples - Surrogate recoveries?			•	
Stage 3 & 4 Review: Samples - Internal standard recoveries?		•		Several extraction standard recoveries were low. For all project samples, only one of four standard recoveries did not meet criteria; therefore, qualification of data is not warranted.
Stage 3 & 4 Review: Samples - Lab qualifiers?	•			J-Flag: Result >= MDL, <= RL. R-flag: ion abundance criteria not met. M-flag: peak was manually integrated. B-flag: analyte detected in the blank >10% of sample concentration.
Stage 3 & 4 Review: Blank - Method blank?				QC Sample WG2181741-1: The following compounds were detected in the method blank: 4,4'-DDE (0.00978 ng/L) 4,4'-DDD (0.00279 ng/L) 4,4'-DDT (0.00591 ng/L) 2,4'-DDT (0.0047 ng/L) 4,4'-DDNU (0.00023 ng/L) QC Sample WG2182793-1: The following compound was detected in the method blank: 4,4'-DDE (0.00864 ng/L) Associated sample results detected at a concentration less than the concentration in the method blank are flagged as not-detected (U) and the reporting limit has been raised to the concentration detected in the blank. Associated results detected at concentrations greater than the concentration in the method blank are flagged for potential high bias (J+).

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Review Questions

Method: E1699				
Review Questions	Yes	No	NA	Comment
Stage 3 & 4 Review: Blank - Equipment blank?			•	
Stage 3 & 4 Review: Calibration - ICAL?	•			
Stage 3 & 4 Review: Calibration - ICV?	•			
Stage 3 & 4 Review: Calibration - CCV?		•		High recoveries were noted for 2,4'-DDD in the following CCVs: H6-15-CCV-0705 (135%), H6-15-CCV-0706 (158%), H6-15-CCV-0707 (153%), and H6-15-CCV-0708 (139%). Associated detected samples are qualified as estimation with potential high bias (J+).
				High recoveries were noted for 2,4'-DDT in the following CCVs: H6-15-CCV-0707 (157%) and H6-15-CCV-0708 (172%). Associated samples are non-detect so qualification of the data is not warranted on this basis.
Stage 3 & 4 Review: Precision/Accuracy - LCS/LCSD?		•		Precision analyses are not required by the method. For overall project precision, all project LCS spike recoveries were statistically evaluated as a single data set and appear acceptable. For QC Sample WG2180473-2: high recovery (159%) for 2,4'-DDD. Associated detected samples are qualified as estimated with potential high bias (J+). For QC Sample WG2181741-2: high recovery (128%) for 4,4'-DDT. Associated detected samples are qualified as estimated with potential high bias (J+).
Stage 3 & 4 Review: Precision/Accuracy - MS/MSD?			•	
Stage 3 & 4 Review: Precision/Accuracy - Lab Replicate?			•	
Stage 3 & 4 Review: Instrument - Tune?	•			
Stage 3 & 4 Review: Instrument - Breakdown Standard?	•			
Stage 3 & 4 Review: Quantitation - PQLs?	•			
Stage 3 & 4 Review: Quantitation - Dilution Factor?		•		
Stage 3 & 4 Review: Quantitation - Results (RT, Ions, Rel. Itens.)?	•			One or more sample results were reported by the laboratory as not-detected with a laboratory data flag of "R" and an EMPC value (indicating that ion abundance criteria were not met). For those results, the "PARVQ" was changed to "C", the "<" parameter was removed, and the results are qualified as estimated concentrations (J).
Stage 3 & 4 Review: Quantitation - Retention times?	•			
Stage 3 & 4 Review: Quantitation - Major ions present?	•			
Stage 3 & 4 Review: Quantitation - Relative intensities?	•			
Stage 3 & 4 Review: Quantitation - Column/Detector RPD?			•	
Stage 3 & 4 Review: Quantitation - Confirmation?	•			

Automated Data Review Detail Report for L1678771

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Review Questions

Method: E1699

Review Questions	Yes	No	NA	Comment
				Overall, reported sample concentrations could be recalculated from the raw data using the equations provided in the "Method Summary" section of each analytical report.
				The Level 4 attachment includes all recalculations. In some cases where the recalculated values did not exactly match, the laboratory confirmed that rounding issues were a factor. Many of the results in the raw data files were reported using exponential notation (E08) resulting in some loss of accuracy in the recalculations.
Stage 3 & 4 Review: Quantitation - Result recalculation?	•			Highlighted results indicate that the results recalculated using the IS/ES method differed from the reported value. These results were generally manual integrations and/or EMPC values. A subset of these results (in peach) were recalculated using the EMPC method and the results agreed with the reported results. Some of the highlighted results could not be reproduced if manual integration was used. The validator could not recalculate the peaks because the raw spectra and data reduction software are not available; however, the spectra were reviewed to confirm baseline drift. For the results in purple, results could not be reproduced. Qualification of the data is not warranted on this basis.
Stage 3 & 4 Review: Field Duplicates - RPD within limits?		•		For Client Sample IDs W5-WO58-0915-1 and W5-WO58-0915-2, the sample results for two analytes (2,4'-DDE and 4,4'-DDE) are qualified as estimated concentrations (J/UJ) due to poor field duplicate precision.
Stage 4 Review: Reviewed Chromatograms/Spectra?	•			

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Sample ID	Lab Sample ID	Analyte	NS Result	FD Result	DIFF	AVE	RPD	CHECK	MDL	5X MDL
W5-WO58-0915-1/2	L1678771-32/33	PCB101	0.71	1.1	-0.39	0.905	-43.1	Flag D5	0.13	0.65
		PCB105	0.24	0.32	-0.08	0.28	-28.6	OK	0.12	0.6
		PCB110	0	0	0	0	NC	OK	2.9	14.5
		PCB114	0	0	0	0	NC	OK	0.12	0.6
		PCB118	0	0	0	0	NC	OK	1.2	6
		PCB123	0	0	0	0	NC	OK	0.13	0.65
		PCB126	0	0	0	0	NC	OK	0.12	0.6
		PCB128	0.22	0.16	0.06	0.19	31.6	OK	0.1	0.5
		PCB138	0	0	0	0	NC	OK	1.47	7.35
		PCB149	0	0	0	0	NC	OK	0.59	2.95
		PCB151	0	0	0	0	NC	OK	0.42	2.1
		PCB153/168	0	0	0	0	NC	OK	1.3	6.5
		PCB156/157	0	0	0	0	NC	OK	0.908	4.54
		PCB158	0.12	0.095	0.025	0.1075	23.3	OK	0.083	0.415
		PCB167	0	0	0	0	NC	OK	0.082	0.41
		PCB169	0	0	0	0	NC	OK	0.09	0.45
		PCB170	0.26	0.16	0.1	0.21	47.6	<5X MDL, 1X Rule - OK	0.13	0.65
		PCB177	0	0	0	0	NC	OK	0.13	0.65
		PCB18	0	0	0	0	NC	OK	2.76	13.8
		PCB180	0	0	0	0	NC	OK	0.39	1.95
		PCB183	0	0.167	-0.167	0.0835	-200.0	<5X MDL, 1X Rule - Flag D5	0.11	0.55
		PCB187	0.16	0.171	-0.011	0.1655	-6.6	OK	0.095	0.475
		PCB189	0	0	0	0	NC	OK	0.1	0.5
		PCB194	0	0	0	0	NC	OK	0.098	0.49
		PCB195	0	0	0	0	NC	OK	0.098	0.49
		PCB201	0	0	0	0	NC	OK	0.07	0.35
		PCB203	0	0	0	0	NC	OK	0.092	0.46
		PCB206	0	0	0	0	NC	OK	0.55	2.75
		PCB209	0	0	0	0	NC	OK	0.71	3.55

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Sample ID	Lab Sample ID	Analyte	NS Result	FD Result	DIFF	AVE	RPD	CHECK	MDL	5X MDL
W5-WO58-0915-1/2	L1678771-32/33	PCB28	0	0	0	0	NC	OK	2.6	13
		PCB31	0	0	0	0	NC	OK	2.3	11.5
		PCB37	0	0	0	0	NC	OK	0.31	1.55
		PCB44	0	0	0	0	NC	OK	4	20
		PCB49	0	0	0	0	NC	OK	0.77	3.85
		PCB52	0	0	0	0	NC	OK	2.79	13.95
		PCB61/70/74	1.58	1.45	0.13	1.515	8.6	OK	0.19	0.95
		PCB66	0	0	0	0	NC	OK	1.27	6.35
		PCB77	0	0	0	0	NC	OK	0.19	0.95
		PCB8	0	0	0	0	NC	OK	1.9	9.5
		PCB81	0	0	0	0	NC	OK	0.19	0.95
		PCB86/87/97	0	0	0	0	NC	OK	0.45	2.25
		PCB99	0.61	0.28	0.33	0.445	74.2	<5X MDL, 1X Rule - Flag D5	0.14	0.7

Sample ID	Lab Sample ID	Analyte	NS Result	FD Result	DIFF	AVE	RPD	CHECK	MDL	5X MDL
W5-WO58-0915-1/2	L1678771-32/33	o,p'-DDD	0	0	0	0	NC	OK	0.0021	0.0105
		o,p'-DDE	0.0017	0	0.0017	0.00085	200.0	<5X MDL, 1X Rule - Flag D5	0.001	0.005
		o,p'-DDT	0	0	0	0	NC	OK	0.01	0.05
		p,p'-DDD	0	0	0	0	NC	OK	0.0074	0.037
		p,p'-DDE	0.0111	0.017	-0.0059	0.01405	-42.0	<5X MDL, 1X Rule - Flag D5	0.0026	0.013
		p,p'-DDMU	0	0	0	0	NC	OK	0.0063	0.0315
		p,p'-DDNU	0	0	0	0	NC	OK	0.00031	0.00155
		p,p'-DDT	0	0	0	0	NC	OK	0.068	0.34

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ICAL 12/06/2015, INSTRUMENT ID HRMS-6

Level	File ID	Compound	Concentration (ng/mL)(ppb)	Area (pg/L)	Area of IS	Concentration of IS	Calculated RRF	Reported RRF	Check
1	H6-15-CS1-095	44-DDNU vs PCB-9	2.0	21934	3224700	100	0.340	0.340	OK
1	12/6/2015 1003	44-DDNU vs PCB-52	2.0	21934	1935700	100	0.567	0.567	OK
1	6-151206A03	44-DDMU vs PCB-52	2.0	8204	1935700	100	0.212	0.212	OK
1		44-DDMU vs PCB-101	2.0	8204	1405500	100	0.292	0.292	OK
1		24-DDE vs PCB-52	2.0	49629	1935700	100	1.282	1.282	OK
1		24-DDE vs PCB-101	2.0	49629	1405500	100	1.766	1.766	OK
1		44-DDE	2.0	48236	5224100	250	1.154	1.154	OK
1		24-DDD vs PCB-52	2.0	16611	1935700	100	0.429	0.429	OK
1		24-DDD vs PCB-101	2.0	16611	1405500	100	0.591	0.591	OK
1		44-DDD	2.0	14927	1833800	250	1.017	1.018	OK
1		24-DDT (13C12-44DDD)	2.0	6321.2	1833800	250	0.431	0.431	OK
1		44-DDT	2.0	5190	618560	250	1.049	1.049	OK
1		13C12-44-DDE (PCB101)	250.0	5224100	1405500	100	1.487	1.487	OK
1		13C12-44-DDD (PCB101)	250.0	1833800	1405500	100	0.522	0.522	OK
1		13C12-44-DDT (PCB101)	250.0	618560	1405500	100	0.176	0.176	OK
2	H6-15-CS2-095	44-DDNU vs PCB-9	7.5	63765	2724300	100	0.312	0.312	OK
2	12/6/2015 0930	44-DDNU vs PCB-52	7.5	63765	1623700	100	0.524	0.524	OK
2	6-151206A02	44-DDMU vs PCB-52	7.5	24349	1623700	100	0.200	0.200	OK
2		44-DDMU vs PCB-101	7.5	24349	1157300	100	0.281	0.281	OK
2		24-DDE vs PCB-52	7.5	142400	1623700	100	1.169	1.169	OK
2		24-DDE vs PCB-101	7.5	142400	1157300	100	1.641	1.641	OK
2		44-DDE	7.5	135700	4188900	250	1.080	1.080	OK
2		24-DDD vs PCB-52	7.5	43142	1623700	100	0.354	0.354	OK
2		24-DDD vs PCB-101	7.5	43142	1157300	100	0.497	0.497	OK
2		44-DDD	7.5	39438	1339000	250	0.982	0.982	OK
2		24-DDT (13C12-44DDD)	7.5	14810	1339000	250	0.369	0.369	OK
2		44-DDT	7.5	11716	457770	250	0.853	0.853	OK
2		13C12-44-DDE (PCB101)	250.0	4188900	1157300	100	1.448	1.448	OK
2		13C12-44-DDD (PCB101)	250.0	1339000	1157300	100	0.463	0.463	OK
2		13C12-44-DDT (PCB101)	250.0	457770	1157300	100	0.158	0.158	OK
3	H6-15-CS3-095	44-DDNU vs PCB-9	20	128960	1809000	100	0.356	0.356	OK
3	12/6/2015 1522	44-DDNU vs PCB-52	20	128960	1106300	100	0.583	0.583	OK
3	6-151206A01	44-DDMU vs PCB-52	20	45571	1106300	100	0.206	0.206	OK
3		44-DDMU vs PCB-101	20	45571	787030	100	0.290	0.290	OK
3		24-DDE vs PCB-52	20	278230	1106300	100	1.257	1.257	OK
3		24-DDE vs PCB-101	20	278230	787030	100	1.768	1.768	OK
3		44-DDE	20	261070	2794400	250	1.168	1.168	OK
3		24-DDD vs PCB-52	20	76850	1106300	100	0.347	0.347	OK
3		24-DDD vs PCB-101	20	76850	787030	100	0.488	0.488	OK
3		44-DDD	20	66974	803990	250	1.041	1.041	OK
3		24-DDT (13C12-44DDD)	20.0	28054	803990	250	0.436	0.436	OK
3		44-DDT	20.0	22027	292020	250	0.943	0.943	OK
3		13C12-44-DDE (PCB101)	250.0	2794400	787030	100	1.420	1.420	OK
3		13C12-44-DDD (PCB101)	250.0	803990	787030	100	0.409	0.409	OK
3		13C12-44-DDT (PCB101)	250.0	292020	787030	100	0.148	0.148	OK
4	H6-15-CS4-095	44-DDNU vs PCB-9	50	172750	1019300	100	0.339	0.339	OK
4	12/6/2015 1212	44-DDNU vs PCB-52	50	172750	626480	100	0.551	0.551	OK
4	6-151206A07	44-DDMU vs PCB-52	50	66746	626480	100	0.213	0.213	OK
4		44-DDMU vs PCB-101	50	66746	450030	100	0.297	0.297	OK
4		24-DDE vs PCB-52	50	395890	626480	100	1.264	1.264	OK
4		24-DDE vs PCB-101	50	395890	450030	100	1.759	1.759	OK
4		44-DDE	50	379080	1643600	250	1.153	1.153	OK
4		24-DDD vs PCB-52	50	176230	626480	100	0.563	0.563	OK
4		24-DDD vs PCB-101	50	176230	450030	100	0.783	0.783	OK
4		44-DDD	50	151890	735730	250	1.032	1.032	OK
4		24-DDT (13C12-44DDD)	50	65578	735730	250	0.446	0.446	OK
4		44-DDT	50.0	44403	248900	250	0.892	0.892	OK
4		13C12-44-DDE (PCB101)	250.0	1643600	450030	100	1.461	1.461	OK
4		13C12-44-DDD (PCB101)	250.0	735730	450030	100	0.654	0.654	OK
4		13C12-44-DDT (PCB101)	250.0	248900	450030	100	0.221	0.221	OK

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5	H6-15-CS5-095	44-DDNU vs PCB-9	150	1478900	2731200	100	0.361	0.361	OK
5	12/6/2015 1140	44-DDNU vs PCB-52	150	1478900	1676300	100	0.588	0.588	OK
5	6-151206A06	44-DDMU vs PCB-52	150	557540	1676300	100	0.222	0.222	OK
5		44-DDMU vs PCB-101	150	557540	1242200	100	0.299	0.299	OK
5		24-DDE vs PCB-52	150	3327500	1676300	100	1.323	1.323	OK
5		24-DDE vs PCB-101	150	3327500	1242200	100	1.786	1.786	OK
5		44-DDE	150	3266800	4676200	250	1.164	1.164	OK
5		24-DDD vs PCB-52	150	1554500	1676300	100	0.618	0.618	OK
5		24-DDD vs PCB-101	150	1554500	1242200	100	0.834	0.834	OK
5		44-DDD	150	1405300	2198200	250	1.065	1.066	OK
5		24-DDT (13C12-44DDD)	150	513740	2198200	250	0.390	0.390	OK
5		44-DDT	150.0	381290	695030	250	0.914	0.914	OK
5		13C12-44-DDE (PCB101)	250.0	4676200	1242200	100	1.506	1.506	OK
5		13C12-44-DDD (PCB101)	250.0	2198200	1242200	100	0.708	0.708	OK
5		13C12-44-DDT (PCB101)	250.0	695030	1242200	100	0.224	0.224	OK
6	H6-15-CS6-095	44-DDNU vs PCB-9	400	5647700	3751200	100	0.376	0.376	OK
6	12/6/2015 1107	44-DDNU vs PCB-52	400	5647700	2249000	100	0.628	0.628	OK
6	6-151206A05	44-DDMU vs PCB-52	400	2193900	2249000	100	0.244	0.244	OK
6		44-DDMU vs PCB-101	400	2193900	1666200	100	0.329	0.329	OK
6		24-DDD vs PCB-52	400	6341100	2249000	100	0.705	0.705	OK
6		24-DDD vs PCB-101	400	6341100	1666200	100	0.951	0.951	OK
6		44-DDD	400	5518700	3442700	250	1.002	1.002	OK
6		24-DDT (13C12-44DDD)	400	2090200	3442700	250	0.379	0.380	OK
6		44-DDT	400	1436700	1011100	250	0.888	0.888	OK
6		13C12-44-DDE (PCB101)	250.0	6300800	1666200	100	1.513	1.513	OK
6		13C12-44-DDD (PCB101)	250.0	3442700	1666200	100	0.826	0.827	OK
6		13C12-44-DDT (PCB101)	250.0	1011100	1666200	100	0.243	0.243	OK
7	H6-15-CS7-095	44-DDMU vs PCB-52	1200	5233000	1657000	100	0.263	0.263	OK
7	12/6/2015 1035	44-DDMU vs PCB-101	1200	5233000	1255800	100	0.347	0.347	OK
7	6-151206A04	24-DDT (13C12-44DDD)	1200	5036100	2604300	250	0.403	0.403	OK
7		44-DDT	1200	3236000	716700	250	0.941	0.941	OK
7		13C12-44-DDE (PCB101)	250	4554300	1255800	100	1.451	1.451	OK
7		13C12-44-DDD (PCB101)	250	2604300	1255800	100	0.830	0.830	OK
7		13C12-44-DDT (PCB101)	250	716700	1255800	100	0.228	0.228	OK

Calibration Summary

	Calculated Avg RRF	Reported Avg RRF	Calculated %RSD	Reported %RSD	RRF Check
44-DDNU vs PCB-9	0.347	0.347	6.4%	6%	OK
44-DDNU vs PCB-52	0.573	0.573	6.2%	6%	OK
44-DDMU vs PCB-52	0.223	0.223	10.2%	10%	OK
44-DDMU vs PCB-101	0.305	0.305	7.9%	8%	OK
24-DDE vs PCB-52	1.259	1.259	4.5%	4%	OK
24-DDE vs PCB-101	1.744	1.744	3.4%	3%	OK
44-DDE	1.144	1.144	3.2%	3%	OK
24-DDD vs PCB-52	0.503	0.503	29.4%	29%	OK
24-DDD vs PCB-101	0.691	0.691	28%	28%	OK
44-DDD	1.023	1.023	3%	3%	OK
24-DDT (13C12-44DDD)	0.408	0.408	7%	7%	OK
44-DDT	0.926	0.926	7%	7%	OK
13C12-44-DDE (PCB101)	1.469	1.469	2%	2%	OK
13C12-44-DDD (PCB101)	0.630	0.630	27%	27%	OK
13C12-44-DDT (PCB101)	0.200	0.200	19%	19%	OK

ICV - used LCS

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CCV	Compound	Area (Resp)	Area of IS	Ave. RRF	Concentration	Spike (ng/uL)	Calculated	Raw Data Reported	CORRECTED Calculated	CCV %R	CCV %R	CHECK
					of IS (ng/uL)		CCV Conc.	CCV Conc.	Conc. (13C-44-DDE)	Calculated	Reported	
H6-15-CCV-0705 6-151206A12 12/6/15 1507	44-DDNU vs PCB-9	152250	958870	0.347	100	50	45.69	45.69328	91.341			
	44-DDNU vs PCB-52	152250	581660	0.573	100	50	45.65	45.64780	2.040			
						50		44.90712	44.775	89.55%	90%	OK
	44-DDMU vs PCB-52	61137	581660	0.223	100	50	47.17	47.17315	94.916			
	44-DDMU vs PCB-101	61137	420010	0.305	100	50	47.74	47.74329	2.040			
						50		46.66491	46.528	93.06%	93%	OK
	24-DDE vs PCB-52	373070	581660	1.259	100	50	50.94	50.93642	101.874			
	24-DDE vs PCB-101	373070	420010	1.744	100	50	50.94	50.93750	2.040			
						50		50.08551	49.938	99.88%	100%	OK
	44-DDE	362530	1569600	1.144	250	50	50.48	50.47870		100.96%	101%	OK
	24-DDD vs PCB-52	199430	581660	0.503	100	50	68.20	68.20038	136.931			
	24-DDD vs PCB-101	199430	420010	0.691	100	50	68.73	68.73021	2.040			
						50		67.32084	67.123	134.25%	135%	OK
	44-DDD	170040	835400	1.023	250	50	49.72	49.72460		99.45%	99%	OK
	24-DDT (13C12-44DDD)	78791	835400	0.408	250	50	57.85	57.84700		115.69%	116%	OK
	44-DDT	54792	297240	0.926	250	50	49.78	49.78250		99.57%	100%	OK
	13C12-44-DDE (PCB101)	1569600	420010	1.469	100	250	254.35	254.36100	???	101.74%	102%	OK
	13C12-44-DDD (PCB101)	835400	420010	0.630	100	250	315.64	315.63900	???	126.25%	126%	OK
	13C12-44-DDT (PCB101)	297240	420010	0.200	100	250	354.17	354.16900	???	141.67%	142%	OK
H6-15-CCV-0706 6-151206A22 12/6/15 2044	44-DDNU vs PCB-9	78609	523190	0.347	100	50	43.24	43.238	86.708			
	44-DDNU vs PCB-52	78609	315370	0.573	100	50	43.47	43.469	1.956			
				#N/A		50		44.329	44.337	88.67%	89%	OK
	44-DDMU vs PCB-52	31697	315370	0.223	100	50	45.11	45.108	92.393			
	44-DDMU vs PCB-101	31697	219870	0.305	100	50	47.28	47.285	1.956			
				#N/A		50		47.236	47.244	94.49%	94%	OK
	24-DDE vs PCB-52	197590	315370	1.259	100	50	49.76	49.757	101.292			
	24-DDE vs PCB-101	197590	219870	1.744	100	50	51.54	51.535	1.956			
				#N/A		50		51.785	51.795	103.59%	104%	OK
	44-DDE	182400	789700	1.144	250	50	50.48	50.482		100.96%	101%	OK
	24-DDD vs PCB-52	120250	315370	0.503	100	50	75.85	75.846	155.011			
	24-DDD vs PCB-101	120250	219870	0.691	100	50	79.17	79.165	1.956			
				#N/A		50		79.249	79.263	158.53%	158%	OK
	44-DDD	94044	461070	1.023	250	50	49.83	49.828		99.66%	100%	OK
	24-DDT (13C12-44DDD)	52017	461070	0.408	250	50	69.20	69.195	138.39%		138%	OK
	44-DDT	29984	160700	0.926	250	50	50.39	50.388		100.78%	101%	OK
	13C12-44-DDE (PCB101)	789700	219870	1.469	100	250	244.46	244.458		97.78%	98%	OK
	13C12-44-DDD (PCB101)	461070	219870	0.630	100	250	332.78	332.779		133.11%	133%	OK
	13C12-44-DDT (PCB101)	160700	219870	0.200	100	250	365.78	365.787		146.31%	146%	OK

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CCV	Compound	Area (Resp)	Area of IS	Ave. RRF	Concentration of IS (ng/uL)	Spike (ng/uL)	Calculated CCV Conc.	Raw Data Reported CCV Conc.	CORRECTED Calculated Conc. (13C-44-DDE)	CCV %R Calculated	CCV %R Reported	CHECK
H6-15-CCV-0707 6-151206A32 12/7/15 0220	44-DDNU vs PCB-9	77111	520420	0.347	100	50	42.64	42.64000	85.452			
	44-DDNU vs PCB-52	77111	314110	0.573	100	50	42.81	42.81208	1.926			
				#N/A		50		44.36764	44.370	88.74%	89%	OK
	44-DDMU vs PCB-52	29622	314110	0.223	100	50	42.32	42.32457	90.911			
	44-DDMU vs PCB-101	29622	199970	0.305	100	50	48.59	48.58669	1.926			
				#N/A		50		47.20211	47.205	94.41%	94%	OK
	24-DDE vs PCB-52	189050	314110	1.259	100	50	47.80	47.79717	102.012			
	24-DDE vs PCB-101	189050	199970	1.744	100	50	54.21	54.21492	1.926			
				#N/A		50		52.96578	52.968	105.94%	106%	OK
	44-DDE	162500	707300	1.144	250	50	50.21	50.21290		100.42%	100%	OK
	24-DDD vs PCB-52	108490	314110	0.503	100	50	68.70	68.70264	147.234			
	24-DDD vs PCB-101	108490	199970	0.691	100	50	78.53	78.53110	1.926			
				#N/A		50		76.44535	76.449	152.90%	153%	OK
	44-DDD	73301	372340	1.023	250	50	48.09	48.09270		96.19%	96%	OK
	24-DDT (13C12-44DDD)	47709	372340	0.408	250	50	78.59	49.11320		157.18%	157%	OK
	44-DDT	22681	124720	0.926	250	50	49.11	49.1132		98.23%	98%	OK
	13C12-44-DDE (PCB101)	707300	199970	1.469	100	250	240.74	240.73500		96.30%	96%	OK
	13C12-44-DDD (PCB101)	372340	199970	0.630	100	250	295.48	295.47300		118.19%	118%	OK
	13C12-44-DDT (PCB101)	124720	199970	0.200	100	250	312.13	312.11600		124.85%	125%	OK

CCV	Compound	Area (Resp)	Area of IS	Ave. RRF	Concentration of IS (ng/uL)	Spike (ng/uL)	Calculated CCV Conc.	Raw Data Reported CCV Conc.	CORRECTED Calculated Conc. (13C-44-DDE)	CCV %R Calculated	CCV %R Reported	CHECK
H6-15-CCV-0708 6-151206A42 12/7/15 0757	44-DDNU vs PCB-9	72194	515010	0.347	100	50	40.34	40.3404	82.471			
	44-DDNU vs PCB-52	72194	298840	0.573	100	50	42.13	42.13026	1.819			
				#N/A		50		45.3684	45.341	90.68%	91%	OK
	44-DDMU vs PCB-52	26216	298840	0.223	100	50	39.37	39.37201	90.503			
	44-DDMU vs PCB-101	26216	168170	0.305	100	50	51.13	51.13117	1.819			
				#N/A		50		49.78173	49.757	99.51%	100%	OK
	24-DDE vs PCB-52	169590	298840	1.259	100	50	45.07	45.06805	102.899			
	24-DDE vs PCB-101	169590	168170	1.744	100	50	57.83	57.83073	1.819			
				#N/A		50		56.59999	56.572	113.14%	113%	OK
	44-DDE	131330	561770	1.144	250	50	51.09	51.09360		102.19%	102%	OK
	24-DDD vs PCB-52	82834	298840	0.503	100	50	55.14	55.13602	126.434			
	24-DDD vs PCB-101	82834	168170	0.691	100	50	71.30	71.29793	1.819			
				#N/A		50		69.54563	69.512	139.02%	139%	OK
	44-DDD	45612	234270	1.023	250	50	47.56	47.56360		95.13%	95%	OK
	24-DDT (13C12-44DDD)	32926	234270	0.408	250	50	86.20	86.20340		172.41%	172%	OK
	44-DDT	10948	62513	0.926	250	50	47.30	47.29590		94.59%	95%	OK
	13C12-44-DDE (PCB101)	561770	168170	1.469	100	250	227.36	227.36500		90.94%	91%	OK
	13C12-44-DDD (PCB101)	234270	168170	0.630	100	250	221.06	221.06900		88.43%	88%	OK
	13C12-44-DDT (PCB101)	62513	168170	0.200	100	250	186.03	186.03600		74.41%	74%	OK

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					Calculated	Reported			Reported				
Method Blank	Compound	Area	Area of IS	Ave. RRF	Concentration of IS (ug/L)	On-Column Concentration (pg)	On-Column Concentration (pg/L)	Volume (L)	Final Concentration (pg/L)	Concentration /%R	RL/EMPC	Check	
WG2180473-1 6-151206A18	44-DDNU vs PCB-9	0		0.347	5	#DIV/0!	0.00000		#DIV/0!				
	44-DDNU vs PCB-52	0		0.573	5	#DIV/0!	0.00000		#DIV/0!				
12/6/2015 1835	44-DDMU vs PCB-52	0		0.223	5	#DIV/0!	0.00000		#DIV/0!	<0.0025	0.0025	OK	
	44-DDMU vs PCB-101	0		0.305	5	#DIV/0!	0.00000		#DIV/0!				
										<0.058	0.058	OK	
	24-DDE vs PCB-52	0		1.259	5	#DIV/0!	0.00000		#DIV/0!				
	24-DDE vs PCB-101	0		1.744	5	#DIV/0!	0.00000		#DIV/0!				
										<0.0073	0.0073	OK	
	44-DDE	0		1.144	6.25	#DIV/0!	0.00000		#DIV/0!	<0.015	0.015	OK	
	24-DDD vs PCB-52	0		0.503	5	#DIV/0!	0.00000		#DIV/0!	<0.030	0.03	OK	
	24-DDD vs PCB-101	0		0.691	5	#DIV/0!	0.00000		#DIV/0!				
	44-DDD	0		1.023	6.25	#DIV/0!	0.00000		#DIV/0!	<0.036	0.036	OK	
	24-DDT (13C12-44DDD)	0		0.408	6.25	#DIV/0!	0.00000		#DIV/0!	<0.089	0.089	OK	
	44-DDT	0		0.926	6.25	#DIV/0!	0.00000		#DIV/0!	<0.11	0.11	OK	
13C12-44-DDE (PCB101)	148570	254220	1.469	5	1.99	0.79555		32%	32%		OK		
13C12-44-DDD (PCB101)	101680	254220	0.630	5	3.17	1.26947		51%	51%		OK		
13C12-44-DDT (PCB101)	36441	254220	0.200	5	3.59	1.43474		57%	57%		OK		
					Calculated		Reported	Reported					
		Area	Area of IS	Ave. RRF	Concentration of IS (ug/L)	On-Column Concentration (Final) (pg)	CORRECTED Calculated Conc. (13C-44-DDE)	On-Column Concentration (pg/L)		Calculated %R	%R	RL/EMPC	Check
LCS WG2180473-2 6-151206A15	44-DDNU vs PCB-9	22983	724750	0.347	5	0.46	0.94	0.456292					
	44-DDNU vs PCB-52	22983	412480	0.573	5	0.49	0.805193897	0.485854					
12/6/2015 1658							1.170086193	1.689160	1.25	93.61%	94		OK
	44-DDMU vs PCB-52	10723	412480	0.223	5	0.58	1.15	0.583369					
	44-DDMU vs PCB-101	10723	310160	0.305	5	0.57	0.805193897	0.566981					
							1.428661812	1.427233	1.25	114.29%	114		OK
	24-DDE vs PCB-52	55236	412480	1.259	5	0.53	1.04	0.531737					
	24-DDE vs PCB-101	55236	310160	1.744	5	0.51	0.805193897	0.510638					
							1.294563922	1.293269	1.25	103.57%	103		OK
	44-DDE	53059	229330	1.144	6.25	1.26	1.60	1.264180	1.25	101.1%	101		OK
	24-DDD vs PCB-52	33711	412480	0.503	5	0.81	1.60	0.812838					
	24-DDD vs PCB-101	33711	310160	0.691	5	0.79	0.805193897	0.786634					
							1.986443724	1.984457	1.25	158.92%	159		OK
	44-DDD	29329	151750	1.023	6.25	1.18		1.180380	1.25	94.4%	94		OK
	24-DDT (13C12-44DDD)	13513	151750	0.408	6.25	1.37		1.365380	1.25	109.2%	109		OK
44-DDT	10066	54714	0.926	6.25	1.24		1.242120	1.25	99.4%	99		OK	
13C12-44-DDE (PCB101)	229330	310160	1.469	5	2.52		2.516140	6.25	40%	40		OK	
13C12-44-DDD (PCB101)	151750	310160	0.630	5	3.88		3.881980	6.25	62%	62		OK	
13C12-44-DDT (PCB101)	54714	310160	0.200	5	4.41		4.414070	6.25	71%	71		OK	

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									Calculated	Reported	CORRECTED Calculated		Form 1			
									On-Column Concentration	On-Column Concentration			Calculated Final Conc.	Reported Concentration	RL/EMPC	Check
Client Sample	Compound	Area	Area of IS	Ave. RRF	Concentration of IS (pg/L)	(pg)	(pg)	Initial Vol (ml)			Conc. (13C-44-DDE)					
L1678771-1	44-DDNU vs PCB-9	0		0.347	5		0.00000	2610								
	44-DDNU vs PCB-52	0		0.573	5		0.00000	2610								
													<0.0012	0.0012	OK	
BA7B-WO5-0915-1	44-DDMU vs PCB-52	0		0.223	5		0.00000	2610								
	44-DDMU vs PCB-101	0		0.305	5		0.00000	2610					<0.033	0.033	OK	
	24-DDE vs PCB-52	0		1.259	5		0.00000	2610								
	24-DDE vs PCB-101	0		1.744	5		0.00000	2610								
	44-DDE	2244.9	225890	1.144	6.25	0.054	0.02081	2610			0.02080469		<0.0050	0.005	OK	
	24-DDD vs PCB-52	0		0.503	5		0.00000	2610					0.0208	0.011	OK	
	24-DDD vs PCB-101	0		0.691	5		0.00000	2610								
	44-DDD	0		1.023	6.25		0.00000	2610					<0.016	0.016	OK	
	24-DDT (13C12-44DDD)	0		0.408	6.25		0.00000	2610					<0.015	0.015	OK	
	44-DDT	0		0.926	6.25		0.00000	2610					<0.037	0.037	OK	
	13C12-44-DDE (PCB101)	225890	255320	1.469	5	3.011	1.15361	2610					<0.099	0.099	OK	
	13C12-44-DDD (PCB101)	154260	255320	0.630	5	4.794	1.83672	2610			48%		48%		OK	
	13C12-44-DDT (PCB101)	57381	255320	0.200	5	5.624	0.00947	2610			77%		77%		OK	
											90%		90%		OK	
									Calculated On-Column Concentration	Reported On-Column Concentration	CORRECTED Calculated		Calculated Final Conc.	Form 1 Reported Concentration	RL/EMPC	Check
Client Sample	Compound	Area	Area of IS	Ave. RRF	Concentration of IS (pg/L)	(pg)	(pg)	Initial Vol (ml)			Conc. (13C-44-DDE)					
L1678771-2	44-DDNU vs PCB-9	0		0.347	5	#DIV/0!	0.00000	2560								
	44-DDNU vs PCB-52	0	361930	0.573	5	0.000	0.00000	2560								
													0	<0.0014	0.0014	OK
BA7B-WO75-0915-1	44-DDMU vs PCB-52	0	361930	0.223	5	0.000	0.00000	2560								
	44-DDMU vs PCB-101	0	275850	0.305	5	0.000	0.00000	2560								
	24-DDE vs PCB-52	1777.2	361930	1.259	5	0.019	0.00000	2560					0	<0.036	0.036	OK
	24-DDE vs PCB-101	1777.2	275850	1.744	5	0.018	0.00000	2560			0.038					
	44-DDE	9811.5	232870	1.144	6.25	0.230	0.00000	2560			0.919					
	24-DDD vs PCB-52	0	361930	0.503	5	0.000	0.00000	2560			0.041		0.016134182	0.0161 MJ	0.0051	OK
	24-DDD vs PCB-101	0	275850	0.691	5	0.000	0.00000	2560					0.089925667	0.0899	0.0067	
	44-DDD	0	157610	1.023	6.25	0.000	0.00000	2560					0	<0.0096	0.0096	OK
	24-DDT (13C12-44DDD)	0	157610	0.408	6.25	0.000	0.00000	2560					0	<0.015	0.015	OK
	44-DDT	0	55762	0.926	6.25	0.000	0.00000	2560					0	<0.038	0.038	OK
	13C12-44-DDE (PCB101)	232870	275850	1.469	5	2.873	1.12223	2560					0	<0.12	0.12	OK
	13C12-44-DDD (PCB101)	157610	275850	0.630	5	4.533	1.77089	2560					46%	46%		OK
	13C12-44-DDT (PCB101)	55762	275850	0.200	5	5.058	1.97589	2560					73%	73%		OK
													81%	81%		OK

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Client Sample	Compound	Area	Area of IS	Ave. RRF	Concentration	Calculated On-Column Concentration	Reported On-Column Concentration	Initial Vol (ml)	CORRECTED Calculated	Calculated Final Conc.	Form 1 Reported Concentration	RL/EMPC	Check
					of IS (pg/L)	(pg)	(pg)		Conc. (13C-44-DDE)				
L1678771-3	44-DDNU vs PCB-9	1301.9	692490	0.347	5	0.027051348	0	2590	0.058				
	44-DDNU vs PCB-52	1301.9	362480	0.573	5	0.031318097	0	2590	0.555				
BA7B-WO145-0915-1 2590	44-DDMU vs PCB-52	7347.7	362480	0.223	5	0.454880466	0	2590	0.105	0.040622113	0.0407 J	0.0017	OK
	44-DDMU vs PCB-101	7347.7	273140	0.305	5	0.441167937	0	2590	0.896				
							0	2590	0.555				
	24-DDE vs PCB-52	4813.1	362480	1.259	5	0.052725185	0	2590	1.615	0.623603306	0.624	0.083	OK
	24-DDE vs PCB-101	4813.1	273140	1.744	5	0.050526189	0	2590	0.103				
							0	2590	0.555				
	44-DDE	22956	139150	1.144	6.25	0.901394227	0.348041	2590	0.186	0.071857612	0.0720 J	0.011	OK
	24-DDD vs PCB-52	0	362480	0.503	5	0		2590	0.348028659	0.348	0.016	0.016	OK
	24-DDD vs PCB-101	0	273140	0.691	5	0		2590	0.000				
								2590	0.555				
	44-DDD	2032.7	92787	1.023	6.25	0.133794309	0.051667	2590	0.000	0	<0.027	0.027	OK
	24-DDT (13C12-44DDD)	0	92787	0.408	6.25	0	0	2590	0.051658034	0.0517 MJ	0.021	0.021	OK
	44-DDT	0	31213	0.926	6.25	0	0	2590	0	<0.053	0.053	0.053	OK
	13C12-44-DDE (PCB101)	139150	273140	1.469	5	1.733697483	0.669375	2590	28%	28	43	43	OK
	13C12-44-DDD (PCB101)	92787	273140	0.630	5	2.695398649	1.0407	2590	43%	43	46	46	OK
	13C12-44-DDT (PCB101)	31213	273140	0.200	5	2.859465064	1.10405	2590	46%	46			OK
Client Sample	Compound	Area	Area of IS	Ave. RRF	Concentration	Calculated On-Column Concentration	Reported On-Column Concentration	Initial Vol (ml)	CORRECTED Calculated	Calculated Final Conc.	Form 1 Reported Concentration	RL/EMPC	Check
					of IS (pg/L)	(pg)	(pg)		Conc. (13C-44-DDE)				
L1678771-4	44-DDNU vs PCB-9	952.03	659410	0.347	5	0.020773989	0	2600	0.043				
	44-DDNU vs PCB-52	952.03	365360	0.573	5	0.022721208	0	2600	0.874				
BA6C-WO55-0915-1 2600	44-DDMU vs PCB-52	6961.7	365360	0.223	5	0.427586737	0	2600	0.050	0.019133418	0.0191 J	0.0013	OK
	44-DDMU vs PCB-101	6961.7	275110	0.305	5	0.414998721	0	2600	0.843				
							0	2600	0.874				
	24-DDE vs PCB-52	11572	365360	1.259	5	0.125766421	0	2600	0.964	0.370651023	0.371	0.042	OK
	24-DDE vs PCB-101	11572	275110	1.744	5	0.120608804	0	2600	0.246				
							0	2600	0.874				
	44-DDE	50275	220880	1.144	6.25	1.243647934	0.478331	2600	0.282	0.108379783	0.108	0.0054	OK
	24-DDD vs PCB-52	1926.9	365360	0.503	5	0.052453404	0	2600	0.478326128	0.478	0.0074	0.0074	OK
	24-DDD vs PCB-101	1926.9	275110	0.691	5	0.050692022	0	2600	0.103				
							0	2600	0.874				
	24-DDD vs PCB-52	1342.8	275110	0.503	5	0.048544547	0	2600	0.118	0.045373389	0.035 MJR	0.0094	X
	24-DDD vs PCB-101	1342.8	275110	0.691	5	0.035325781	0	2600	0.084				
							0	2600	0.874				
	44-DDD	3988.2	142960	1.023	6.25	0.170378141	0.06553	2600	0.096	0.036894327	0.035 MJR	0.0094	OK
	24-DDT (13C12-44DDD)	0	142960	0.408	6.25	0	0	2600	0.065530054	0.0655 MJ	0.016	0.016	OK
44-DDT	0	50435	0.926	6.25	0	0	2600	0	<0.041	0.041	0.041	OK	
13C12-44-DDE (PCB101)	220880	275110	1.469	5	2.732281427	1.05086	2600	44%	44	66	66	OK	
13C12-44-DDD (PCB101)	142960	275110	0.630	5	4.123151955	1.5858	2600	66%	66	73	73	OK	
13C12-44-DDT (PCB101)	50435	275110	0.200	5	4.587332668	1.76434	2600	73%	73			OK	

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					Concentration	Calculated On-Column Concentration	Reported On-Column Concentration		CORRECTED Calculated Conc. (13C-44-DDE)	Calculated Final Conc.	Form 1 Reported Concentration	RL/EMPC	Check	
Client Sample	Compound	Area	Area of IS	Ave. RRF	of IS (pg/L)	(pg)	(pg)	Initial Vol (ml)						
L1678771-5	44-DDNU vs PCB-9	0	683010	0.347	5	0		2580	0.000					
	44-DDNU vs PCB-52	0	250540	0.573	5	0		2580	0.760					
12/4/2015 22:46								2580	0.000	0	<0.0015	0.0015	OK	
BA7BC-WO5-0915-1	44-DDMU vs PCB-52	0	250540	0.223	5	0		2580	0.000					
2580	44-DDMU vs PCB-101	0	250660	0.305	5	0		2580	0.760					
								2580	0.000	0	<0.064	0.064	OK	
	24-DDE vs PCB-52	0	250540	1.259	5	0		2580	0.000					
	24-DDE vs PCB-101	0	250660	1.744	5	0		2580	0.760					
								2580	0.000	0	<0.0056	0.0056	OK	
	44-DDE	1197.6	174990	1.144	6.25	0.037393862	0.014494	2580		0.014493745	0.0145 J	0.011	OK	
	24-DDD vs PCB-52	0	250540	0.503	5	0		2580	0.000					
	24-DDD vs PCB-101	0	250660	0.691	5	0		2580	0.760					
								2580	0.000	0	<0.014	0.014	OK	
	44-DDD	0	114310	1.023	6.25	0		2580		0	<0.017	0.017	OK	
	24-DDT (13C12-44DDD)	0	114310	0.408	6.25	0		2580		0	<0.043	0.043	OK	
	44-DDT	0	36319	0.926	6.25	0		2580		0	<0.14	0.14	OK	
	13C12-44-DDE (PCB101)	174990	250660	1.469	5	2.375765706	0.920841	2580		38%	38		OK	
	13C12-44-DDD (PCB101)	114310	250660	0.630	5	3.6184316	1.40254	2580		58%	58		OK	
	13C12-44-DDT (PCB101)	36319	250660	0.200	5	3.625629605	1.40527	2580		58%	58		OK	
					Concentration	Calculated On-Column Concentration	Reported On-Column Concentration		CORRECTED Calculated Conc. (13C-44-DDE)	Calculated Final Conc.	Form 1 Reported Concentration	RL/EMPC	Check	
Client Sample	Compound	Area	Area of IS	Ave. RRF	of IS (pg/L)	(pg)	(pg)	Initial Vol (ml)						
L1678771-7	44-DDNU vs PCB-9	1825	755490	0.347	5	0.034758334		2610	0.072					
	44-DDNU vs PCB-52	1825	428280	0.573	5	0.037156676		2610	0.781					
								2610	0.092	0.035295063	0.0353 J	0.0014	OK	
BA7BC-WO95-0915-1	44-DDMU vs PCB-52	10886	428280	0.223	5	0.570388099		2610	1.235					
2610	44-DDMU vs PCB-101	10886	268780	0.305	5	0.664215813		2610	0.781					
								2610	1.581	0.605929452	0.606	0.042	OK	
	24-DDE vs PCB-52	20643	428280	1.259	5	0.191391345		2610	0.412					
	24-DDE vs PCB-101	20643	268780	1.744	5	0.220218006		2610	0.781					
								2610	0.527	0.202013152	0.202	0.0036	OK	
	44-DDE	87496	192680	1.144	6.25	2.481151758	0.950615	2610		0.950632858	0.951	0.012	OK	
	24-DDD vs PCB-52	2110.2	428280	0.503	5	0.049003977		2610	0.106					
	24-DDD vs PCB-101	2110.2	268780	0.691	5	0.056821604		2610	0.781					
								2610	0.136	0.051937982	0.0520 MJ	0.012	OK	
	44-DDD	3175.6	101610	1.023	6.25	0.190871386	0.073128	2610		0.073130799	0.0731 MJ	0.022	OK	
	24-DDT (13C12-44DDD)	0	101610	0.408	6.25	0		2610		0	<0.056	0.056	OK	
	44-DDT	0	31808	0.926	6.25	0		2610		0	<0.14	0.14	OK	
	13C12-44-DDE (PCB101)	192680	268780	1.469	5	2.439580207	0.934712	2610		39%	39		OK	
	13C12-44-DDD (PCB101)	101610	268780	0.630	5	2.999581593	1.14929	2610		48%	48		OK	
	13C12-44-DDT (PCB101)	31808	268780	0.200	5	2.961242683	1.13458	2610		47%	47		OK	

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Client Sample	Compound	Area	Area of IS	Ave. RRF	Concentration	Calculated On-Column Concentration	Reported On-Column Concentration	Initial Vol (ml)	CORRECTED Calculated	Calculated Final Conc.	Form 1 Reported Concentration	RL/EMPC	Check
					of IS (pg/L)	(pg)	(pg)		Conc. (13C-44-DDE)				
L1678771-8	44-DDNU vs PCB-9	0	649330	0.347	5	0		2600	0.000				
	44-DDNU vs PCB-52	0	333890	0.573	5	0		2600	0.723				
BA8B-W05-0915-1 2600	44-DDMU vs PCB-52	0	333890	0.223	5	0		2600	0.000	0	<0.0016	0.0016	OK
	44-DDMU vs PCB-101	0	230650	0.305	5	0		2600	0.723				
								2600	0.000				
	24-DDE vs PCB-52	0	333890	1.259	5	0		2600	0.000	0	<0.058	0.058	OK
	24-DDE vs PCB-101	0	230650	1.744	5	0		2600	0.723				
								2600	0.000				
								2600	0.723				
								2600	0.000				
	44-DDE	2073.4	153100	1.144	6.25	0.073996243	0.02846	2600	0.000	0	<0.0064	0.0064	OK
	24-DDD vs PCB-52	0	333890	0.503	5	0		2600	0.000	0.028460093	0.0285 J	0.012	OK
	24-DDD vs PCB-101	0	230650	0.691	5	0		2600	0.723				
								2600	0.000				
	44-DDD	0	87157	1.023	6.25	0		2600	0	0	<0.019	0.019	OK
	24-DDT (13C12-44DDD)	0	87157	0.408	6.25	0		2600	0	0	<0.024	0.024	OK
	44-DDT	0	26419	0.926	6.25	0		2600	0	0	<0.060	0.06	OK
	13C12-44-DDE (PCB101)	153100	230650	1.469	5	2.258900726		2600	0	0	<0.13	0.13	OK
	13C12-44-DDD (PCB101)	87157	230650	0.630	5	2.998264842		2600	36%	36			OK
13C12-44-DDT (PCB101)	26419	230650	0.200	5	2.866140681		2600	48%	48			OK	
							2600	46%	46			OK	
Client Sample	Compound	Area	Area of IS	Ave. RRF	Concentration	Calculated On-Column Concentration	Reported On-Column Concentration	Initial Vol (ml)	CORRECTED Calculated	Calculated Final Conc.	Form 1 Reported Concentration	RL/EMPC	Check
					of IS (pg/L)	(pg)	(pg)		Conc. (13C-44-DDE)				
L1678771-9	44-DDNU vs PCB-9	0	678110	0.347	5	0		2590	0.000				
	44-DDNU vs PCB-52	0	341680	0.573	5	0		2590	0.807				
BA8B-W075-0915-1 2590	44-DDMU vs PCB-52	0	341680	0.223	5	0		2590	0.000	0	<0.0015	0.0015	OK
	44-DDMU vs PCB-101	0	228110	0.305	5	0		2590	0.807				
								2590	0.000				
	24-DDE vs PCB-52	1270.5	341680	1.259	5	0.014764964		2590	0.807				
	24-DDE vs PCB-101	1270.5	228110	1.744	5	0.015970088		2590	0.031	0	<0.040	0.04	OK
								2590	0.807				
								2590	0.000				
	44-DDE	5559.7	169090	1.144	6.25	0.179653301	0.069366	2590	0.038	0.014700604	0.0147 J	0.0062	OK
	24-DDD vs PCB-52	0	341680	0.503	5	0		2590	0.000	0.069364209	0.0694 J	0.014	OK
	24-DDD vs PCB-101	0	228110	0.691	5	0		2590	0.807				
								2590	0.000				
	44-DDD	0	89456	1.023	6.25	0		2590	0.000	0	<0.017	0.017	OK
	24-DDT (13C12-44DDD)	0	89456	0.408	6.25	0		2590	0	0	<0.025	0.025	OK
	44-DDT	0	25969	0.926	6.25	0		2590	0	0	<0.063	0.063	OK
	13C12-44-DDE (PCB101)	169090	228110	1.469	5	2.52260361	0.973968	2590	0	0	<0.20	0.2	OK
	13C12-44-DDD (PCB101)	89456	228110	0.630	5	3.111618382	1.2014	2590	40%	40			OK
13C12-44-DDT (PCB101)	25969	228110	0.200	5	2.848691957	1.0999	2590	50%	50			OK	
							2590	46%	46			OK	

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Client Sample	Compound	Area	Area of IS	Ave. RRF	Concentration	Calculated On-Column Concentration	Reported On-Column Concentration	Initial Vol (ml)	CORRECTED Calculated	Calculated Final Conc.	Form 1 Reported Concentration	RL/EMPC	Check
					of IS (pg/L)	(pg)	(pg)		Conc. (13C-44-DDE)				
L1678771-10	44-DDNU vs PCB-9	1396.9	656440	0.347	5	0.030619287		2630	0.066				
	44-DDNU vs PCB-52	1396.9	339890	0.573	5	0.035836758		2630	0.701				
BA8B-WO145-0915-1 2630	44-DDMU vs PCB-52	6982.1	339890	0.223	5	0.460975238		2630	0.095	0.036055269	0.0361 J	0.0015	OK
	44-DDMU vs PCB-101	6982.1	217480	0.305	5	0.526507511		2630	0.987				
								2630	0.701				
	24-DDE vs PCB-52	4701.9	339890	1.259	5	0.054930339		2630	1.409	0.535751959	0.536	0.054	OK
	24-DDE vs PCB-101	4701.9	217480	1.744	5	0.06199134		2630	0.117				
								2630	0.701				
	44-DDE	17741	139960	1.144	6.25	0.692589541	0.263339	2630	0.167	0.063435051	0.0635 J	0.0085	OK
	24-DDD vs PCB-52	0	339890	0.503	5	0		2630		0.263342031	0.263	0.013	OK
	24-DDD vs PCB-101	0	217480	0.691	5	0		2630	0.000				
								2630	0.701				
EMPC Calculation	44-DDD	1548.9	70444	1.023	6.25	0.134286037	0.05106	2630		0	<0.019	0.019	OK
	44-DDD	2050.43	70444	1.023	6.25	0.177767525	0.05106	2630		0.05105933	0.040 MJR	0.023	X
	24-DDT (13C12-44DDD)	0	70444	0.408	6.25	0		2630		0.067592215	0.040 MJR	0.023	X
	44-DDT	0	19446	0.926	6.25	0		2630		0	<0.057	0.057	OK
	13C12-44-DDE (PCB101)	139960	217480	1.469	5	2.190080219	0.832732	2630		0	<0.20	0.2	OK
	13C12-44-DDD (PCB101)	70444	217480	0.630	5	2.570075385	0.977214	2630		35%	35		OK
	13C12-44-DDT (PCB101)	19446	217480	0.200	5	2.237409844	0.850725	2630		41%	41		OK
										36%	36		OK
Client Sample	Compound	Area	Area of IS	Ave. RRF	Concentration	Calculated On-Column Concentration	Reported On-Column Concentration	Initial Vol (ml)	CORRECTED Calculated	Calculated Final Conc.	Form 1 Reported Concentration	RL/EMPC	Check
					of IS (pg/L)	(pg)	(pg)		Conc. (13C-44-DDE)				
L1678771-11	44-DDNU vs PCB-9	0	658980	0.347	5	0		2570	0.000				
	44-DDNU vs PCB-52	0	343300	0.573	5	0		2570	0.724				
BA8B-WO145-0915-1 2570	44-DDMU vs PCB-52	0	343300	0.223	5	0		2570	0.000	0	<0.0015	0.0015	OK
	44-DDMU vs PCB-101	0	215180	0.305	5	0		2570	0.724				
								2570	0.000				
	24-DDE vs PCB-52	0	343300	1.259	5	0		2570	0.000	0	<0.051	0.051	OK
	24-DDE vs PCB-101	0	215180	1.744	5	0		2570	0.724				
								2570	0.000				
	44-DDE	1722.2	143140	1.144	6.25	0.065739189	0.012208	2570		0	<0.0073	0.0073	OK
	24-DDD vs PCB-52	0	343300	0.503	5	0		2570	0.000	0.025579451	0.0256 MJ	0.012	OK
	24-DDD vs PCB-101	0	215180	0.691	5	0		2570	0.724				
								2570	0.000				
	44-DDD	0	68002	1.023	6.25	0		2570		0	<0.013	0.013	OK
	24-DDT (13C12-44DDD)	0	68002	0.408	6.25	0		2570		0	<0.021	0.021	OK
	44-DDT	0	18474	0.926	6.25	0		2570		0	<0.053	0.053	OK
								2570		0	<0.17	0.17	OK
	13C12-44-DDE (PCB101)	143140	215180	1.469	5	2.263781586		2570		36%	36		OK
	13C12-44-DDD (PCB101)	68002	215180	0.630	5	2.50750011		2570		40%	40		OK
	13C12-44-DDT (PCB101)	18474	215180	0.200	5	2.148293546		2570		34%	34		OK

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Client Sample	Compound	Area	Area of IS	Ave. RRF	Concentration	Calculated On-Column Concentration	Reported On-Column Concentration	Initial Vol (ml)	CORRECTED Calculated	Calculated Final Conc.	Form 1 Reported Concentration	RL/EMPC	Check
					of IS (pg/L)	(pg)	(pg)		Conc. (13C-44-DDE)				
L1678061-28	44-DDNU vs PCB-9	400.78	658330	0.347	5	0.008759659		2570	0.019				
12/3/2015 14:22	44-DDNU vs PCB-52	400.78	354880	0.573	5	0.009847507		2570	0.915				
								2570	0.020	0.007910966	0.00790 MJ	0.0013	OK
BA1B-W05-0915-1	44-DDMU vs PCB-52	0	354880	0.223	5	0		2570	0.000				
	44-DDMU vs PCB-101	0	281600	0.305	5	0		2570	0.915				
2570								2570	0.000	0	<0.060	0.06	OK
	24-DDE vs PCB-52	3146.7	354880	1.259	5	0.035208789		2570	0.067				
	24-DDE vs PCB-101	3146.7	281600	1.744	5	0.032040527		2570	0.915				
								2570	0.073	0.028591514	0.0286 J	0.0051	OK
	44-DDE	13539	236660	1.144	6.25	0.312581661	0.121627	2570		0.121627106	0.122	0.008	OK
	24-DDD vs PCB-52	0	354880	0.503	5	0		2570	0.000				
	24-DDD vs PCB-101	0	281600	0.691	5	0		2570	0.915				
								2570	0.000	0	<0.013	0.013	OK
	44-DDD	0	164360	1.023	6.25	0		2570		0	<0.026	0.026	OK
	24-DDT (13C12-44DDD)	0	164360	0.408	6.25	0		2570		0	<0.066	0.066	OK
	44-DDT	0	56181	0.926	6.25	0		2570		0	<0.12	0.12	OK
	13C12-44-DDE (PCB101)	236660	281600	1.469	5	2.860010469	1.113	2570		46%	46		OK
	13C12-44-DDD (PCB101)	164360	281600	0.630	5	4.631105346	1.802	2570		74%	74		OK
	13C12-44-DDT (PCB101)	56181	281600	0.200	5	4.992193405	1.942	2570		80%	80		OK
Client Sample	Compound	Area	Area of IS	Ave. RRF	Concentration	Calculated On-Column Concentration	Reported On-Column Concentration	Initial Vol (ml)	CORRECTED Calculated	Calculated Final Conc.	Form 1 Reported Concentration	RL/EMPC	Check
					of IS (pg/L)	(pg)	(pg)		Conc. (13C-44-DDE)				
L1678061-47	44-DDNU vs PCB-9	0	776450	0.347	5	0		2610	0.000				
	44-DDNU vs PCB-52	0	426170	0.573	5	0		2610	0.763				
								2610	0.000	0	<0.0014	0.0014	OK
BA1B-W05-0915-1	44-DDMU vs PCB-52	0	426170	0.223	5	0		2610	0.000				
	44-DDMU vs PCB-101	0	326310	0.305	5	0		2610	0.763				
								2610	0.000	0	<0.044	0.044	OK
	24-DDE vs PCB-52	0	426170	1.259	5	0		2610	0.000				
	24-DDE vs PCB-101	0	326310	1.744	5	0		2610	0.763				
								2610	0.000	0	<0.0050	0.005	OK
	44-DDE	3086.8	228720	1.144	6.25	0.073740506	0.028252	2610		0.028253068	0.0283 J	0.01	OK
	24-DDD vs PCB-52	0	426170	0.503	5	0		2610	0.000				
	24-DDD vs PCB-101	0	326310	0.691	5	0		2610	0.763				
								2610	0.000	0	<0.011	0.011	OK
	44-DDD	0	154260	1.023	6.25	0		2610		0	<0.019	0.019	OK
	24-DDT (13C12-44DDD)	0	154260	0.408	6.25	0		2610		0	<0.047	0.047	OK
	44-DDT	0	54626	0.926	6.25	0		2610		0	<0.11	0.11	OK
	13C12-44-DDE (PCB101)	228720	326310	1.469	5	2.385333856	0.913924	2610		38%	38		OK
	13C12-44-DDD (PCB101)	154260	326310	0.630	5	3.750974587	1.43715	2610		60%	60		OK
	13C12-44-DDT (PCB101)	54626	326310	0.200	5	4.188934838	1.60496	2610		67%	67		OK

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Client Sample	Compound	Area	Area of IS	Ave. RRF	Concentration	Calculated On-Column Concentration	Reported On-Column Concentration	Initial Vol (ml)	CORRECTED Calculated	Calculated Final Conc.	Form 1 Reported Concentration	RL/EMPC	Check
					of IS (pg/L)	(pg)	(pg)		Conc. (13C-44-DDE)				
L1678061-48	44-DDNU vs PCB-9	1004.1	678570	0.347	5	0.021291542		2610	0.045				
	44-DDNU vs PCB-52	1004.1	362460	0.573	5	0.024155647		2610	0.897				
BA1B-W075-0915-1 2610	44-DDMU vs PCB-52	6255.3	362460	0.223	5	0.387273675		2610	0.051	0.019403952	0.0194 J	0.0011	OK
	44-DDMU vs PCB-101	6255.3	293200	0.305	5	0.349882328		2610	0.737				
								2610	0.897				
	24-DDE vs PCB-52	8089	362460	1.259	5	0.088615976		2610	0.821	0.314733208	0.315	0.055	OK
	24-DDE vs PCB-101	8089	293200	1.744	5	0.07910571		2610	0.168				
								2610	0.897				
								2610	0.187	0.071609787	0.0716 J	0.0063	OK
	44-DDE	38095	241610	1.144	6.25	0.861499123	0.330077	2610	0.330076292	0.33	0.0095	0.0095	OK
	24-DDD vs PCB-52	0	362460	0.503	5	0		2610	0.000				
	24-DDD vs PCB-101	0	293200	0.691	5	0		2610	0.897				
								2610	0.000				
	44-DDD	2551	163150	1.023	6.25	0.095493732	0.036588	2610	0	0.036587637	<0.013	0.013	OK
	24-DDT (13C12-44DDD)	0	163150	0.408	6.25	0		2610	0	0	0.0366 MJ	0.019	OK
	44-DDT	0	58974	0.926	6.25	0		2610	0	<0.047	0.047	0.047	OK
	13C12-44-DDE (PCB101)	241610	293200	1.469	5	2.804312143	1.07444	2610	0	<0.088	0.088	0.088	OK
	13C12-44-DDD (PCB101)	163150	293200	0.630	5	4.415138079	1.69157	2610	45%	45	45	45	OK
	13C12-44-DDT (PCB101)	58974	293200	0.200	5	5.033049561	1.92836	2610	71%	71	71	71	OK
								2610	81%	81	81	81	OK
Client Sample	Compound	Area	Area of IS	Ave. RRF	Concentration	Calculated On-Column Concentration	Reported On-Column Concentration	Initial Vol (ml)	CORRECTED Calculated	Calculated Final Conc.	Form 1 Reported Concentration	RL/EMPC	Check
					of IS (pg/L)	(pg)	(pg)		Conc. (13C-44-DDE)				
L1678061-49	44-DDNU vs PCB-9	647.26	657350	0.347	5	0.014167946		2600	0.030				
	44-DDNU vs PCB-52	647.26	347220	0.573	5	0.016254583		2600	0.847				
BA1B-W0145-0915-1 2600	44-DDMU vs PCB-52	2761.8	347220	0.223	5	0.178491448		2600	0.036	0.013811497	0.0138 J	0.0014	OK
	44-DDMU vs PCB-101	2761.8	253600	0.305	5	0.178599734		2600	0.357				
								2600	0.847				
	24-DDE vs PCB-52	3820.6	347220	1.259	5	0.04369222		2600	0.422	0.162115508	0.162	0.048	OK
	24-DDE vs PCB-101	3820.6	253600	1.744	5	0.043197567		2600	0.087				
								2600	0.847				
								2600	0.103	0.039447017	0.0394 J	0.0053	OK
	44-DDE	22431	197290	1.144	6.25	0.621219857	0.238928	2600	0.238930714	0.239	0.011	0.011	OK
	24-DDD vs PCB-52	0	347220	0.503	5	0		2600	0.000				
	24-DDD vs PCB-101	0	253600	0.691	5	0		2600	0.847				
								2600	0.000				
	44-DDD	0	125910	1.023	6.25	0		2600	0	<0.017	0.017	0.017	OK
	24-DDT (13C12-44DDD)	0	125910	0.408	6.25	0		2600	0	<0.022	0.022	0.022	OK
	44-DDT	0	46760	0.926	6.25	0		2600	0	<0.055	0.055	0.055	OK
	13C12-44-DDE (PCB101)	197290	253600	1.469	5	2.647471154	1.16906	2600	0	<0.094	0.094	0.094	OK
	13C12-44-DDD (PCB101)	125910	253600	0.630	5	3.939418797	1.01827	2600	42%	42	42	42	OK
	13C12-44-DDT (PCB101)	46760	253600	0.200	5	4.613811432	1.51514	2600	63%	63	63	63	OK
								2600	74%	74	74	74	OK

NOTES:
 Highlighted cells indicate that the recalculated values did not match reported values
 Highlighted cells had EMPC calculation performed which matched the reported values.

2015 Water Sample Investigation
Palos Verdes Shelf
SDG L1678771

ICAL 12/07/2015, INSTRUMENT ID HRMS-6

Level	File ID	Compound	Concentration (ng/mL)(ppb) (pg/ul)	Area	Area of IS	Concentration of IS	Calculated RRF	Reported RRF	Check
1	H6-15-CS1-096	44-DDNU vs PCB-9	2.0	29554	5391300	100	0.274	0.274	OK
1	12/7/2015 1746	44-DDNU vs PCB-52	2.0	29554	2713000	100	0.545	0.545	OK
1	6-151207A03	44-DDMU vs PCB-52	2.0	8926.8	2713000	100	0.165	0.165	OK
1		44-DDMU vs PCB-101	2.0	8926.8	1230800	100	0.363	0.363	OK
1		24-DDE vs PCB-52	2.0	59315	2713000	100	1.093	1.093	OK
1		24-DDE vs PCB-101	2.0	59315	1230800	100	2.410	2.410	OK
1		44-DDE	2.0	49300	5177800	250	1.190	1.190	OK
1		24-DDD vs PCB-52	2.0	29654	2713000	100	0.547	0.547	OK
1		24-DDD vs PCB-101	2.0	29654	1230800	100	1.205	1.205	OK
1		44-DDD	2.0	19585	2360700	250	1.037	1.037	OK
1		24-DDT (13C12-44DDD)	2.0	12129	2360700	250	0.642	0.642	OK
1		44-DDT	2.0	5691.9	652890	250	1.090	1.090	OK
1		13C12-44-DDE (PCB101)	250.0	5177800	1230800	100	1.683	1.683	OK
1		13C12-44-DDD (PCB101)	250.0	2360700	1230800	100	0.767	0.767	OK
1		13C12-44-DDT (PCB101)	250.0	652890	1230800	100	0.212	0.212	OK
2	H6-15-CS2-096	44-DDNU vs PCB-9	7.5	71778	3734800	100	0.256	0.256	OK
2	12/7/2015 1714	44-DDNU vs PCB-52	7.5	71778	1954100	100	0.490	0.490	OK
2	6-151207A02	44-DDMU vs PCB-52	7.5	21005	1954100	100	0.143	0.143	OK
2		44-DDMU vs PCB-101	7.5	21005	862140	100	0.325	0.325	OK
2		24-DDE vs PCB-52	7.5	145730	1954100	100	0.994	0.994	OK
2		24-DDE vs PCB-101	7.5	145730	862140	100	2.254	2.254	OK
2		44-DDE	7.5	111160	3397200	250	1.091	1.091	OK
2		24-DDD vs PCB-52	7.5	69840	1954100	100	0.477	0.477	OK
2		24-DDD vs PCB-101	7.5	69840	862140	100	1.080	1.080	OK
2		44-DDD	7.5	40262	1396400	250	0.961	0.961	OK
2		24-DDT (13C12-44DDD)	7.5	25435	1396400	250	0.607	0.607	OK
2		44-DDT	7.5	8919.8	350080	250	0.849	0.849	OK
2		13C12-44-DDE (PCB101)	250	3397200.0	862140	100	1.576	1.576	OK
2		13C12-44-DDD (PCB101)	250	1396400.0	862140	100	0.648	0.648	OK
2		13C12-44-DDT (PCB101)	250	350080.0	862140	100	0.162	0.162	OK
3	H6-15-CS3-096	44-DDNU vs PCB-9	20	112470	2005900	100	0.280	0.280	OK
3	12/7/2015 1644	44-DDNU vs PCB-52	20	112470	1053800	100	0.534	0.534	OK
3	6-151207A01	44-DDMU vs PCB-52	20	34701	1053800	100	0.165	0.165	OK
3		44-DDMU vs PCB-101	20	34701	497730	100	0.349	0.349	OK
3		24-DDE vs PCB-52	20	232720	1053800	100	1.104	1.104	OK
3		24-DDE vs PCB-101	20	232720	497730	100	2.338	2.338	OK
3		44-DDE	20	177550	1891900	250	1.173	1.173	OK
3		24-DDD vs PCB-52	20	109710	1053800	100	0.521	0.521	OK
3		24-DDD vs PCB-101	20	109710	497730	100	1.102	1.102	OK
3		44-DDD	20	62885	776910	250	1.012	1.012	OK
3		24-DDT (13C12-44DDD)	20	38405	776910	250	0.618	0.618	OK
3		44-DDT	20	15073	198820	250	0.948	0.948	OK
3		13C12-44-DDE (PCB101)	250	1891900	497730	100	1.520	1.520	OK
3		13C12-44-DDD (PCB101)	250	776910	497730	100	0.624	0.624	OK
3		13C12-44-DDT (PCB101)	250	198820	497730	100	0.160	0.160	OK
4	H6-15-CS4-096	44-DDNU vs PCB-9	50	87262	609250	100	0.286	0.286	OK
4	12/7/2015 1955	44-DDNU vs PCB-52	50	87262	312750	100	0.558	0.558	OK
4	6-151207A07	44-DDMU vs PCB-52	50	28403	312750	100	0.182	0.182	OK
4		44-DDMU vs PCB-101	50	28403	150100	100	0.378	0.378	OK
4		24-DDE vs PCB-52	50	192020	312750	100	1.228	1.228	OK
4		24-DDE vs PCB-101	50	192020	150100	100	2.559	2.559	OK
4		44-DDE	50	143140	592760	250	1.207	1.207	OK
4		24-DDD vs PCB-52	50	93770	312750	100	0.600	0.600	OK
4		24-DDD vs PCB-101	50	93770	150100	100	1.249	1.249	OK
4		44-DDD	50	49759	251950	250	0.987	0.988	OK
4		24-DDT (13C12-44DDD)	50	39303	251950	250	0.780	0.780	OK
4		44-DDT	50	13834	75963	250	0.911	0.911	OK
4		13C12-44-DDE (PCB101)	250	592760	150100	100	1.580	1.580	OK
4		13C12-44-DDD (PCB101)	250	251950	150100	100	0.671	0.671	OK
4		13C12-44-DDT (PCB101)	250	75963	150100	100	0.202	0.202	OK

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5	H6-15-CS5-096	44-DDNU vs PCB-9	150	1655900	3469900	100	0.318	0.318	OK
5	12/7/2015 1923	44-DDNU vs PCB-52	150	1655900	1789100	100	0.617	0.617	OK
5	6-151207A06	44-DDMU vs PCB-52	150	537180	1789100	100	0.200	0.200	OK
5		44-DDMU vs PCB-101	150	537180	890390	100	0.402	0.402	OK
5		24-DDE vs PCB-52	150	3416700	1789100	100	1.273	1.273	OK
5		24-DDE vs PCB-101	150	3416700	890390	100	2.558	2.558	OK
5		44-DDE	150	2746400	3879800	250	1.180	1.180	OK
5		24-DDD vs PCB-52	150	1920800	1789100	100	0.716	0.716	OK
5		24-DDD vs PCB-101	150	1920800	890390	100	1.438	1.438	OK
5		44-DDD	150	1036700	1703400	250	1.014	1.014	OK
5		24-DDT (13C12-44DDD)	150	826350	1703400	250	0.809	0.809	OK
5		44-DDT	150	267630	473190	250	0.943	0.943	OK
5		13C12-44-DDE (PCB101)	250	3879800	890390	100	1.743	1.743	OK
5		13C12-44-DDD (PCB101)	250	1703400	890390	100	0.765	0.765	OK
5		13C12-44-DDT (PCB101)	250	473190	890390	100	0.213	0.213	OK
6	H6-15-CS6-096	44-DDNU vs PCB-9	400	6048900	4231600	100	0.357	0.357	OK
6	12/7/2015 1851	44-DDNU vs PCB-52	400	6048900	2197400	100	0.688	0.688	OK
6	6-151207A05	44-DDMU vs PCB-52	400	2001100	2197400	100	0.228	0.228	OK
6		44-DDMU vs PCB-101	400	2001100	1129900	100	0.443	0.443	OK
6		24-DDE vs PCB-52	400	9043100	2197400	100	1.029	1.029	OK
6		24-DDE vs PCB-101	400	9043100	1129900	100	2.001	2.001	OK
6		44-DDE	400	8346200	4806800	250	1.085	1.085	OK
6		24-DDD vs PCB-52	400	6774000	2197400	100	0.771	0.771	OK
6		24-DDD vs PCB-101	400	6774000	1129900	100	1.499	1.499	OK
6		44-DDD	400	3599600	2301700	250	0.977	0.977	OK
6		24-DDT (13C12-44DDD)	400	2995100	2301700	250	0.813	0.813	OK
6		44-DDT	400	843750	578460	250	0.912	0.912	OK
6		13C12-44-DDE (PCB101)	250	4806800	1129900	100	1.702	1.702	OK
6		13C12-44-DDD (PCB101)	250	2301700	1129900	100	0.815	0.815	OK
6		13C12-44-DDT (PCB101)	250	578460	1129900	100	0.205	0.205	OK
7	H6-15-CS7-096	44-DDNU vs PCB-9	1200	12179000	3056900	100	0.332	0.332	OK
7	12/7/2015 1818	44-DDNU vs PCB-52	1200	12179000	1586700	100	0.640	0.640	OK
7	6-151207A04	44-DDMU vs PCB-52	1200	4694600	1586700	100	0.247	0.247	OK
7		44-DDMU vs PCB-101	1200	4694600	850430	100	0.460	0.460	OK
7		44-DDT	1200	2145100	468720	250	0.953	0.953	OK
7		13C12-44-DDE (PCB101)	250	3413800	850430	100	1.606	1.606	OK
7		13C12-44-DDD (PCB101)	250	1843800	850430	100	0.867	0.867	OK
7		13C12-44-DDT (PCB101)	250	468720	850430	100	0.220	0.221	OK

Calibration Summary

	Calculated Avg RRF	Reported Avg RRF	Calculated %RSD	Reported %RSD	RRF Check
44-DDNU vs PCB-9	0.301	0.301	12%	12%	OK
44-DDNU vs PCB-52	0.582	0.582	12%	12%	OK
44-DDMU vs PCB-52	0.190	0.190	20%	20%	OK
44-DDMU vs PCB-101	0.389	0.389	13%	13%	OK
24-DDE vs PCB-52	1.120	1.120	10%	10%	OK
24-DDE vs PCB-101	2.353	2.353	9%	9%	OK
44-DDE	1.154	1.154	5%	5%	OK
24-DDD vs PCB-52	0.605	0.605	19%	19%	OK
24-DDD vs PCB-101	1.262	1.262	14%	14%	OK
44-DDD	0.998	0.998	3%	3%	OK
24-DDT (13C12-44DDD)	0.712	0.712	14%	14%	OK
44-DDT	0.944	0.944	8%	8%	OK
13C12-44-DDE (PCB101)	1.630	1.630	5%	5%	OK
13C12-44-DDD (PCB101)	0.737	0.737	12%	12%	OK
13C12-44-DDT (PCB101)	0.196	0.196	13%	13%	OK

ICV - used LCS

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										CORRECTED Raw Data				
CCV	Compound	Area (Resp)	Area of IS	Ave. RRF	Concentration of IS (ng/uL)	Spike (ng/uL)	Calculated CCV Conc.	Raw Data Reported CCV Conc.	CORRECTED Calculated Conc. (13C-44-DDE)	Reported CCV Conc.	CCV %R Calculated	CCV %R Reported	Check	
H6-15-CCV-0709 6-151207A09	44-DNU vs PCB-9	84552	591610	0.301	100	50	47.534	47.534	95.094					
	44-DNU vs PCB-52	84552	305690	0.582	100	50	47.560	47.560	1.897					
12/7/15 2100						50			50.132	50.155	100%	100	OK	
	44-DDMU vs PCB-52	27066	305690	0.190	100	50	46.652	46.652	95.204					
	44-DDMU vs PCB-101	27066	143490	0.389	100	50	48.552	48.552	1.897					
						50			50.190	50.213	100%	100	OK	
	24-DDE vs PCB-52	180960	305690	1.120	100	50	52.842	52.842	106.435					
	24-DDE vs PCB-101	180960	143490	2.353	100	50	53.594	53.594	1.897					
						50			56.111	56.137	112%	112	OK	
	44-DDE	130690	554540	1.154	250	50	51.038	51.037						
	24-DDD vs PCB-52	88440	305690	0.605	100	50	47.825	47.825	96.655				OK	
	24-DDD vs PCB-101	88440	143490	1.262	100	50	48.831	48.83035	1.897					
						50			50.955	50.979	102%	102	OK	
	44-DDD	45089	232280	0.998	250	50	48.617	48.618	NA	NA	97%	97	OK	
	24-DDT (13C12-44DDD)	38424	232280	0.712	250	50	58.123	58.125	NA	NA	116%	116	OK	
	44-DDT	12871	72383	0.944	250	50	47.113	47.114	NA	NA	94%	94	OK	
	13C12-44-DDE (PCB101)	554540	143490	1.630	100	250	237.110	237.108	NA	NA	95%	95	OK	
	13C12-44-DDD (PCB101)	232280	143490	0.737	100	250	219.681	219.674	NA	NA	88%	88	OK	
	13C12-44-DDT (PCB101)	72383	143490	0.196	100	250	256.876	256.875	NA	NA	103%	103	OK	

							CORRECTED Raw Data							
CCV	Compound	Area (Resp)	Area of IS	Ave. RRF	Concentration of IS (pg/L)	Spike (pg/L)	Calculated CCV Conc.	Raw Data Reported CCV Conc.	CORRECTED Calculated Conc. (13C-44-DDE)	Reported CCV Conc.	CCV %R Calculated	CCV %R Reported	Check	
H6-15-CCV-0710 6-151207A20	44-DDNU vs PCB-9	89982	637950	0.301	100	50	46.912	46.912	94.273					
	44-DDNU vs PCB-52	89982	326690	0.582	100	50	47.361	47.361	1.947					
12/8/15 0309	44-DDMU vs PCB-52	30195	326690	0.190	100	50	48.700	48.700	48.424	48.445	97%	97%	OK	
	44-DDMU vs PCB-101	30195	163260	0.389	100	50	47.606	47.606	1.947					
						50			49.468	49.489	99%	99%	OK	
	24-DDE vs PCB-52	195240	326690	1.120	100	50	53.35	53.347	104.168					
	24-DDE vs PCB-101	195240	163260	2.353	100	50	50.82	50.821	1.947					
						50			53.506	53.52909	107%	107%	OK	
	44-DDE	152520	647560	1.154	250	50	51.007	51.007	NA		102%	102%	OK	
	24-DDD vs PCB-52	96641	326690	0.605	100	50	48.900	48.900	95.797					
	24-DDD vs PCB-101	96641	163260	1.262	100	50	46.897	46.897	1.947					
						50			49.207	49.22789	98%	98%	OK	
	44-DDD	51202	255150	0.998	250	50	50.259	50.260	NA	NA	101%	101%	OK	
	24-DDT (13C12-44DDD)	40115	255150	0.712	250	50	55.242	55.243	NA	NA	110%	110%	OK	
44-DDT	12670	72206	0.944	250	50	46.491	46.492	NA	NA	93%	93%	OK		
13C12-44-DDE (PCB101)	647560	163260	1.630	100	250	243.354	243.359	NA	NA	97%	97%	OK		
13C12-44-DDD (PCB101)	255150	163260	0.737	100	250	212.089	212.086	NA	NA	85%	85%	OK		
13C12-44-DDT (PCB101)	72206	163260	0.196	100	250	225.217	225.220	NA	NA	90%	90%	OK		

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Method Blank	Compound	Area	Area of IS	Ave. RRF	Concentration of IS (ug/L)	Calculated On-Column Concentration (pg)	Reported On-Column Concentration (pg/L)	Volume (L)	Calculated Final Concentration (pg/L)	Reported Concentration %R	RL/EMPC	Check
WG2182793-1 6-151207A15 12/8/2015 0027	44-DDNU vs PCB-9	0	2780500	0.301	5	0.00000		2500				
	44-DDNU vs PCB-52	0	1373300	0.582	5	0.00000		2500				
								2500		<0.00046	0.00046	OK
	44-DDMU vs PCB-52	0	1373300	0.190	5	0.00000		2500				
	44-DDMU vs PCB-101	0	724870	0.389	5	0.00000		2500				
								2500		<0.0095	0.0095	OK
	24-DDE vs PCB-52	0	1373300	1.120	5	0.00000		2500				
	24-DDE vs PCB-101	0	724870	2.353	5	0.00000		2500				
								2500		<0.0011	0.011	OK
	44-DDE	2484.5	622840	1.154	6.25	0.02160	0.008639	2500	0.0086	0.00864 J	0.0027	OK
	24-DDD vs PCB-52	0	1373300	0.605	5	0.00000		2500				
	24-DDD vs PCB-101	0	724870	1.262	5	0.00000		2500				
								2500		<0.0024	0.0024	OK
	44-DDD	0	397910	0.998	6.25	0.00000		2500		<0.044	0.0044	OK
	24-DDT (13C12-44DDD)	0	397910	0.712	6.25	0.00000		2500		<0.0062	0.0062	OK
	44-DDT	0	87040	0.944	6.25	0.00000		2500		<0.038	0.038	OK
	13C12-44-DDE (PCB101)	622840	724870	1.630	5	2.63588	1.054370	2500	42%	42		OK
	13C12-44-DDD (PCB101)	397910	724870	0.737	5	3.72475	1.489900	2500	60%	60		OK
	13C12-44-DDT (PCB101)	87040	724870	0.196	5	3.05729	1.222930	2500	49%	49		OK
LCS	Compound	Area	Area of IS	Ave. RRF	Concentration of IS (ug/L)	Calculated On-Column Concentration (Final) (pg)	CORRECTED Calculated Conc. (13C-44-DDE)	Reported On-Column Concentration (pg/L)	LCS TV	Calculated %R	%R	Check
WG2182793-2 6-151207A12 12/7/2015 2250	44-DDNU vs PCB-9	79679	2918100	0.301	5	0.4541	0.98					
	44-DDNU vs PCB-52	79679	1293700	0.582	5	0.5295	0.829566127					
							1.18567391		1.25	94.85%	95	OK
	44-DDMU vs PCB-52	23624	1293700	0.190	5	0.4811	1.08					
	44-DDMU vs PCB-101	23624	510290	0.389	5	0.5958	0.829566127					
							1.298146218		1.25	103.85%	104	OK
	24-DDE vs PCB-52	155010	1293700	1.120	5	0.5348	1.18					
	24-DDE vs PCB-101	155010	510290	2.353	5	0.6455	0.829566127					
							1.422706901		1.25	113.82%	114	OK
	44-DDE	100160	431230	1.154	6.25	1.2575		1.25925	1.25	100.6%	101	OK
	24-DDD vs PCB-52	75928	1293700	0.605	5	0.4851	1.07					
	24-DDD vs PCB-101	75928	510290	1.262	5	0.5894	0.829566127					
							1.295262959		1.25	103.62%	104	OK
	44-DDD	36037	192830	0.998	6.25	1.1701		1.17014	1.25	93.6%	94	OK
	24-DDT (13C12-44DDD)	30206	192830	0.712	6.25	1.3760		1.37596	1.25	110.1%	110	OK
	44-DDT	10235	58515	0.944	6.25	1.1586		1.15863	1.25	92.7%	93	OK
	13C12-44-DDE (PCB101)	431230	510290	1.630	5	2.5924		2.59244	6.25	41%	41	OK
	13C12-44-DDD (PCB101)	192830	510290	0.737	5	2.5641		2.56413	6.25	41%	41	OK
	13C12-44-DDT (PCB101)	58515	510290	0.196	5	2.9196		2.91967	6.25	47%	47	OK

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Client Sample	Compound	Area (Resp)	Area of IS	Ave. RRF	Concentration of IS	Sample Size (L)	Calculated On-Column Concentration	Reported On-Column Concentration	Calculated Final Concentration	CORRECTED Calculated Conc. (13C-44-DDE)	Calculated Final Concentration	Form 1 Reported Concentration	RL/EMPC	Check
L1678771-6	44-DDNU vs PCB-9	720.41	757810	0.301	5	2.6	0.00608	0.00608	0.00608	0.013383	0.0134	0.0134 MJ	0.0011	OK
6-151207A16	44-DDNU vs PCB-52	720.41	344100	0.582	5	2.6	0.006923	0.006923	0.00692					
12/8/15 0059						2.6								
BA7BC-WO50-0915-1	44-DDMU vs PCB-52	5344.2	344100	0.190	5	2.6	0.157371	0.157371	0.15737	0.295850	0.296	0.296 M	0.0100	OK
	44-DDMU vs PCB-101	5344.2	203340	0.389	5	2.6	0.130095	0.130095	0.13010					
						2.6								
	24-DDE vs PCB-52	8289.6	344100	1.120	5	2.6	0.041354	0.041354	0.04135	0.076849	0.0768	0.0768 J	0.0046	OK
	24-DDE vs PCB-101	8289.6	203340	2.353	5	2.6	0.033317	0.033317	0.03332					
	44-DDE	32063	201270	1.154	6.25	2.6	0.331724	0.331716	0.33172	NA	0.332	0.332	0.0087	OK
	24-DDD vs PCB-52	1993.1	344100	0.605	5	2.6	0.018413	0.018413	0.01841	0.034319	0.034	<0.029 MJR	0.0075	X
EMPC Calculation	24-DDD vs PCB-101	1993.1	203340	1.262	5	2.6	0.014934	0.014934	0.01493					
	24-DDD vs PCB-52	1692.34	344100	0.605	5	2.6	0.015634	0.018413	0.01563	0.02914	0.029	<0.029 MJR	0.0075	OK
	24-DDD vs PCB-101	1692.34	203340	1.262	5	2.6	0.012680	0.014934	0.01268					
EMPC Calculation	44-DDD	2311.8	111420	0.998	6.25	2.6	0.049967	0.049969	0.04997	NA	0.050	0.041 JR	0.02	X
	44-DDD	1879.50	111420	0.998	6.25	2.6	0.040623	0.049969	0.04062	NA	0.041	0.041 JR	0.02	OK
	24-DDT (13C12-44DDD)	0	111420	0.712	5	2.6	0.0000	0.000000	0.00000	NA	ND	<0.028	0.028	OK
	44-DDT	0	34903	0.944	5	2.6	0.0000	0.000000	0.00000	NA	ND	<0.094	0.094	OK
	13C12-44-DDE (PCB101)	201270	203340	1.630	5	2.6	1.16786	1.16792	0.49	0.49	49%	49%		OK
	13C12-44-DDD (PCB101)	111420	203340	0.737	5	2.6	1.43001	1.43001	0.59	0.59	59%	59%		OK
	13C12-44-DDT (PCB101)	34903	203340	0.196	5	2.6	1.68091	1.68097	0.70	0.70	70%	70%		OK

Client Sample	Compound	Area	Area of IS	Ave. RRF	Concentration of IS (pg/L)	Calculated On-Column Concentration (pg)	Reported On-Column Concentration (pg)	Initial Vol (ml)	CORRECTED Calculated Conc. (13C-44-DDE)	Calculated Final Conc.	Form 1 Reported Concentration	RL/EMPC	Check
L1678771-27													
BA9C-WO55-0915-1	44-DDNU vs PCB-9	1438.9	2851600	0.301	5	0.008391266		2570	0.017				
	44-DDNU vs PCB-52	1438.9	1415900	0.582	5	0.008737127		2570	0.976				
								2570	0.018	0.006829922	0.00683 J	0.00038	OK
	44-DDMU vs PCB-52	4071.3	1415900	0.190	5	0.075753289		2570	0.146				
	44-DDMU vs PCB-101	4071.3	746340	0.389	5	0.070205458		2570	0.976				
								2570	0.150	0.05820084	0.0582	0.0073	OK
	24-DDE vs PCB-52	7878.7	1415900	1.120	5	0.024835177		2570	0.047				
	24-DDE vs PCB-101	7878.7	746340	2.353	5	0.022430581		2570	0.976				
								2570	0.048	0.018847153	0.0188 J	0.0012	OK
	44-DDE	32984	741900	1.154	6.25	0.240704173		2570		0.093659211	0.0937	0.0024	OK
	24-DDD vs PCB-52	2699.9	1415900	0.605	5	0.015760465		2570	0.030				
	24-DDD vs PCB-101	2699.9	746340	1.262	5	0.014330066		2570	0.976				
								2570	0.031	0.011998556	0.0089 JR	0.0017	X
EMPC Calculation	24-DDD vs PCB-52	2007	1415900	0.605	5	0.011715713		2570	0.022				
	24-DDD vs PCB-101	2007	746340	1.262	5	0.01065241		2570	0.976				
								2570	0.023	0.008919257	0.0089 JR	0.0017	OK
	44-DDD	1890	454830	0.998	6.25	0.026018266	0.010124	2570		0.010123839	0.0101 J	0.0056	OK
	24-DDT (13C12-44DDD)	0	454830	0.712	6.25	0		2570		0	<0.0079	0.0079	OK
	44-DDT	0	154460	0.944	6.25	0		2570		0	<0.019	0.019	OK
	13C12-44-DDE (PCB101)	741900	746340	1.630	5	3.049423736	1.18658	2570		49%	49		OK
	13C12-44-DDD (PCB101)	454830	746340	0.737	5	4.135089048	1.60899	2570		66%	66		OK
	13C12-44-DDT (PCB101)	154460	746340	0.196	5	5.269351002	2.05034	2570		84%	84		OK

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Client Sample L1678771-28					Calculated On-Column Concentration (pg)	Reported On-Column Concentration (pg)	Initial Vol (ml)	CORRECTED Calculated Conc. (13C-44-DDE)	Calculated Final Conc.	Form 1 Reported Concentration	RL/EMPC	Check
Compound	Area	Area of IS	Ave. RRF	Concentration of IS (pg/L)								
BA9C-WO58-0915-1	44-DDNU vs PCB-9	2616.2	2978400	0.301	5	0.014607416	2610	0.029				
	44-DDNU vs PCB-52	2616.2	1519000	0.582	5	0.01480757	2610	1.054				
							2610	0.028	0.010693274	0.01165 J	0.00041	OK
	44-DDMU vs PCB-52	8341.3	1519000	0.190	5	0.144669486	2610	0.266				
	44-DDMU vs PCB-101	8341.3	883090	0.389	5	0.12156352	2610	1.054				
							2610	0.253	0.096784084	0.105	0.0087	X
	24-DDE vs PCB-52	14294	1519000	1.120	5	0.041999225	2610	0.076				
	24-DDE vs PCB-101	14294	883090	2.353	5	0.034393113	2610	1.054				
							2610	0.072	0.027771022	0.0301	0.00089	X
EMPC Calculation	44-DDE	58634	948120	1.154	6.25	0.334820378	2610		0.12828367	0.139	0.002	X
	44-DDE	59783.68	948120	1.154	6.25	0.341385448	2610		0.130799022	0.139	0.002	OK
	24-DDD vs PCB-52	3529.5	1519000	0.605	5	0.019204781	2610	0.035				
	24-DDD vs PCB-101	3529.5	883090	1.262	5	0.015832352	2610	1.054				
							2610	0.033	0.012737102	0.0090 JR	0.009	X
	44-DDD	3408.5	534850	0.998	6.25	0.03990221	2610		0.015288203	0.0166 J	0.0023	OK
	24-DDT (13C12-44DDD)	1501.7	534850	0.712	6.25	0.024663039	2610		0.00944944	0.0040 JR	0.0032	X
	44-DDT	0	170630	0.944	6.25	0	2610		0	<0.012	0.012	
	13C12-44-DDE (PCB101)	948120	883090	1.630	5	3.293574295	2610		52.70%	53		OK
	13C12-44-DDD (PCB101)	534850	883090	0.737	5	4.109599647	2610		66%	66		OK
	13C12-44-DDT (PCB101)	170630	883090	0.196	5	4.919582414	2610		79%	79		OK
Client Sample L1678771-29					Calculated On-Column Concentration (pg)	Reported On-Column Concentration (pg)	Initial Vol (ml)	CORRECTED Calculated Conc. (13C-44-DDE)	Calculated Final Conc.	Form 1 Reported Concentration	RL/EMPC	Check
Compound	Area	Area of IS	Ave. RRF	Concentration of IS (pg/L)								
W5-05-0915-1	44-DDNU vs PCB-9	233.43	2825600	0.301	5	0.001373825	2590	0.003				
	44-DDNU vs PCB-52	233.43	1319700	0.582	5	0.00152073	2590	1.194				
							2590	0.002	0.000936392	0.000936 J	0.00025	OK
	44-DDMU vs PCB-52	0	1319700	0.190	5	0	2590	0.000				
	44-DDMU vs PCB-101	0	674070	0.389	5	0	2590	1.194				
							2590	0.000	0	<0.0078	0.0078	OK
	24-DDE vs PCB-52	1517.7	1319700	1.120	5	0.00513282	2590	0.010				
	24-DDE vs PCB-101	1517.7	674070	2.353	5	0.004784137	2590	1.194				
							2590	0.008	0.003208148	0.00321 J	0.00068	OK
	44-DDE	4796.7	819540	1.154	6.25	0.031688236	2590		0.01223484	0.0122 JB	0.0023	OK
	24-DDD vs PCB-52	0	1319700	0.605	5	0	2590	0.000				
	24-DDD vs PCB-101	0	674070	1.262	5	0	2590	1.194				
							2590	0.000	0	<0.0016	0.0016	OK
	44-DDD	0	364780	0.998	6.25	0	2590		0	<0.0063	0.0063	OK
	24-DDT (13C12-44DDD)	0	364780	0.712	6.25	0	2590		0	<0.0089	0.0089	OK
	44-DDT	0	99471	0.944	6.25	0	2590		0	<0.038	0.038	OK
	13C12-44-DDE (PCB101)	819540	674070	1.630	5	3.729703259	2590		60%	60		OK
	13C12-44-DDD (PCB101)	364780	674070	0.737	5	3.67196474	2590		59%	59		OK
	13C12-44-DDT (PCB101)	99471	674070	0.196	5	3.757243152	2590		60%	60		OK

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Client Sample					Calculated		Reported	CORRECTED Calculated		Form 1			
L1678771-30					On-Column		On-Column			Reported			
					Concentration	Concentration	Concentration	Conc. (13C-44-DDE)		Calcauted	Concentration	RL/EMPC	Check
					of IS (pg/L)	(pg)	(pg)	Initial Vol (ml)		Final Conc.			
W5-055-0915-1	Compound	Area	Area of IS	Ave. RRF									
	44-DDNU vs PCB-9	467.25	2961700	0.301	5	0.002623576		2570	0.006				
	44-DDNU vs PCB-52	467.25	1382500	0.582	5	0.002905727		2570	1.182				
								2570	0.005	0.001820446	0.00182 J	0.00028	OK
	44-DDMU vs PCB-52	1751.7	1382500	0.190	5	0.033380709		2570	0.066				
	44-DDMU vs PCB-101	1751.7	692500	0.389	5	0.032554756		2570	1.182				
								2570	0.056	0.02170833	.0217 J	0.0063	OK
	24-DDE vs PCB-52	4251.1	1382500	1.120	5	0.013724024		2570	0.027				
	24-DDE vs PCB-101	4251.1	692500	2.353	5	0.013043803		2570	1.182				
								2570	0.023	0.008812932	0.00881 J	0.00082	OK
	44-DDE	15651	833720	1.154	6.25	0.101635994	0.039546	2570	0.039547079	.0395 B	0.0022	OK	OK
	24-DDD vs PCB-52	0	1382500	0.605	5	0		2570	0.000				
	24-DDD vs PCB-101	0	692500	1.262	5	0		2570	1.182				
								2570	0.000	0	<0.0015	0.0015	OK
	44-DDD	0	398780	0.998	6.25	0		2570	0	<0.0051	0.0051	OK	OK
	24-DDT (13C12-44DDD)	0	398780	0.712	6.25	0		2570	0	<0.0071	0.0071	OK	OK
	44-DDT	0	104670	0.944	6.25	0		2570	0	<0.037	0.037	OK	OK
	13C12-44-DDE (PCB101)	833720	692500	1.630	5	3.693257307		2570	59%	59		OK	OK
	13C12-44-DDD (PCB101)	398780	692500	0.737	5	3.907383817		2570	63%	63		OK	OK
13C12-44-DDT (PCB101)	104670	692500	0.196	5	3.848400505		2570	62%	62		OK	OK	
Client Sample					Calculated		Reported	CORRECTED Calculated		Form 1			
L1678771-31					On-Column		On-Column			Reported			
					Concentration	Concentration	Concentration	Conc. (13C-44-DDE)		Calcauted	Concentration	RL/EMPC	Check
					of IS (pg/L)	(pg)	(pg)	Initial Vol (ml)		Final Conc.			
W5-058-0915-1	Compound	Area	Area of IS	Ave. RRF									
	44-DDNU vs PCB-9	217.67	3069000	0.301	5	0.001179471		2610	0.003				
	44-DDNU vs PCB-52	217.67	1379600	0.582	5	0.001356488		2610	0.995				
								2610	0.003	0.000976959	0.000977 J	0.00031	OK
	44-DDMU vs PCB-52	0	1379600	0.190	5	0		2610	0.000				
	44-DDMU vs PCB-101	0	664000	0.389	5	0		2610	0.995				
								2610	0.000	0	<0.0071	0.0071	OK
	24-DDE vs PCB-52	1471.3	1379600	1.120	5	0.004759851		2610	0.009				
	24-DDE vs PCB-101	1471.3	664000	2.353	5	0.00470821		2610	0.995				
								2610	0.010	0.003647499	0.00365 J	0.00077	OK
	44-DDE	6467.8	672720	1.154	6.25	0.052053257		2610	0.019943777	0.0199 JB	0.0029	OK	OK
	24-DDD vs PCB-52	0	1379600	0.605	5	0		2610	0.000				
	24-DDD vs PCB-101	0	664000	1.262	5	0		2610	0.995				
								2610	0.000	0	<0.0016	0.0016	OK
	44-DDD	0	327530	0.998	6.25	0		2610	0	<0.0035	0.0035	OK	OK
	24-DDT (13C12-44DDD)	0	327530	0.712	6.25	0		2610	0	<0.0049	0.0049	OK	OK
	44-DDT	0	88853	0.944	6.25	0		2610	0	<0.032	0.032	OK	OK
	13C12-44-DDE (PCB101)	672720	664000	1.630	5	3.107959735	672720	2610	50%	50		OK	OK
	13C12-44-DDD (PCB101)	327530	664000	0.737	5	3.346998271	327530	2610	54%	54		OK	OK
13C12-44-DDT (PCB101)	88853	664000	0.196	5	3.407076091	88853	2610	55%	55		OK	OK	

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Client Sample						Calculated On-Column Concentration	Reported On-Column Concentration		CORRECTED Calculated	Calculated Final Conc.	Form 1 Reported Concentration	RL/EMPC	Check
L1678771-32	Compound	Area	Area of IS	Ave. RRF	Concentration of IS (pg/L)	(pg)	(pg)	Initial Vol (ml)	Conc. (13C-44-DDE)				
	44-DDNU vs PCB-9	0	3421000	0.301	5	0		2600	0.000				
W5-058-0915-2	44-DDNU vs PCB-52	0	1518900	0.582	5	0		2600	0.891				
								2600	0.000	0	<0.00031	0.00031	OK
	44-DDMU vs PCB-52	0	1518900	0.190	5	0		2600	0.000				
	44-DDMU vs PCB-101	0	675140	0.389	5	0		2600	0.891				
								2600	0.000	0	<0.0063	0.0063	OK
	24-DDE vs PCB-52	810.23	1518900	1.120	5	0.002380808		2600	0.005				
	24-DDE vs PCB-101	810.23	675140	2.353	5	0.002549982		2600	0.891				
								2600	0.006	0.002128842	0.0017 JR	0.001	X
	44-DDE	3273.1	612681	1.154	6.25	0.028923479	0.0111124	2600		0.011124415	0.0111 JB	0.0026	OK
	24-DDD vs PCB-52	0	1518900	0.605	5	0		2600	0.000				
	24-DDD vs PCB-101	0	675140	1.262	5	0		2600	0.891				
								2600	0.000	0	<0.0021	0.0021	OK
	44-DDD	0	218070	0.998	6.25	0		2600		0	<0.0074	0.0074	OK
	24-DDT (13C12-44DDD)	0	218070	0.712	6.25	0		2600		0	<0.010	0.01	OK
	44-DDT	0	50177	0.944	6.25	0		2600		0	<0.068	0.068	OK
	13C12-44-DDE (PCB101)	612681	675140	1.630	5	2.783874781	1.07074	2600		45%	45		OK
	13C12-44-DDD (PCB101)	218070	675140	0.737	5	2.191666989	0.842954	2600		35%	35		OK
	13C12-44-DDT (PCB101)	50177	675140	0.196	5	1.892294247	0.727819	2600		30%	30		OK

Client Sample						Calculated On-Column Concentration	Reported On-Column Concentration		CORRECTED Calculated	Calculated Final Conc.	Form 1 Reported Concentration	RL/EMPC	Check
L1678771-33	Compound	Area	Area of IS	Ave. RRF	Concentration of IS (pg/L)	(pg)	(pg)	Initial Vol (ml)	Conc. (13C-44-DDE)				
	44-DDNU vs PCB-9	0	2847500	0.301	5	0		2630	0.000				
BA10B-W075-0915-1	44-DDNU vs PCB-52	0	918570	0.582	5	0		2630	0.788				
								2630	0.000	0	<0.00054	0.00054	OK
	44-DDMU vs PCB-52	0	918570	0.190	5	0		2630	0.000				
	44-DDMU vs PCB-101	0	169940	0.389	5	0		2630	0.788				OK
								2630	0.000	0	<0.029	0.029	
	24-DDE vs PCB-52	0	918570	1.120	5	0		2630	0.000				
	24-DDE vs PCB-101	0	169940	2.353	5	0		2630	0.788				
								2630	0.000	0	<0.0037	0.0037	OK
	44-DDE	1143.4	136480	1.154	6.25	0.045358099	0.011221	2630		0.017246425	0.0172 JB	0.011	OK
	24-DDD vs PCB-52	0	918570	0.605	5	0		2630	0.000				
	24-DDD vs PCB-101	0	169940	1.262	5	0		2630	0.788				
								2630	0.000	0	<0.0052	0.0052	OK
	44-DDD	0	49687	0.998	6.25	0		2630		0	<0.025	0.025	OK
	24-DDT (13C12-44DDD)	0	49687	0.712	6.25	0		2630		0	<0.035	0.035	OK
	44-DDT	0	17287	0.944	6.25	0		2630		0	<0.19	0.19	OK
	13C12-44-DDE (PCB101)	136480	169940	1.630	5	2.463669934	0.936746	2630		39%	39		OK
	13C12-44-DDD (PCB101)	49687	169940	0.737	5	1.98389939	0.754329	2630		32%	32		OK
	13C12-44-DDT (PCB101)	17287	169940	0.196	5	2.590012348	0.984768	2630		41%	41		OK

NOTES:

Highlighted cells indicate that the recalculated values did not match reported values
Highlighted cells had EMPC calculation performed which matched the reported values.

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ICAL 12/07/2015, INSTRUMENT ID HRMS-4

Level	File ID	Compound	Concentration (ng/mL)(ppb) (pg/ul)	Area	Area of IS	Concentration of IS	Calculated RRF	Reported RRF	Check	
1	H4-15-CS1-0078	44-DDNU vs PCB-9	2	945930	128000000	100	0.36950	0.371	X	
1	12/7/2015 1244	44-DDNU vs PCB-52	2	945930	55089000	100	0.85855	0.859	OK	
1	4-151207A05	44-DDMU vs PCB-52	2	341490	55089000	100	0.30994	0.31	X	
1		44-DDMU vs PCB-101	2	341490	29486000	100	0.57907	0.579	OK	
1		24-DDE vs PCB-52	2	1821500	55089000	100	1.65323	1.653	OK	
1		24-DDE vs PCB-101	2	1821500	29486000	100	3.08875	3.089	OK	
1		44-DDE	2	1658000	149000000	250	1.39094	1.392	X	
1		24-DDD vs PCB-52	2	975610	55089000	100	0.88549	0.885	OK	
1		24-DDD vs PCB-101	2	975610	29486000	100	1.65436	1.654	OK	
1		44-DDD	2	975080	77110000	250	1.58066	1.581	OK	
1		24-DDT (13C12-44DDD)	2	601870	77110000	250	0.97567	0.99	X	
1		44-DDT	2	597080	57371000	250	1.30092	1.301	OK	
1		13C12-44-DDE (PCB101)	250	149000000	29486000	100	2.02130	2.02	X	
1		13C12-44-DDD (PCB101)	250	77110000	29486000	100	1.04606	1.046	OK	
1		13C12-44-DDT (PCB101)	250	57371000	29486000	100	0.77828	0.778	OK	
2	H4-15-CS2-0078	44-DDNU vs PCB-9	7.5	11403000	535000000	100	0.284186916	0.284	OK	
2	12/7/2015 1211	44-DDNU vs PCB-52	7.5	11403000	235000000	100	0.646978723	0.647	OK	
2	4-151207A04	44-DDMU vs PCB-52	7.5	3539100	235000000	100	0.2008	0.201	OK	
2		44-DDMU vs PCB-101	7.5	3539100	126000000	100	0.374507937	0.374	OK	
2		24-DDE vs PCB-52	7.5	23976000	235000000	100	1.360340426	1.361	OK	
2		24-DDE vs PCB-101	7.5	23976000	126000000	100	2.537142857	2.535	X	
2		44-DDE	7.5	18554000	550000000	250	1.12484848	1.124	OK	
2		24-DDD vs PCB-52	7.5	8639000	235000000	100	0.490156028	0.49	OK	
2		24-DDD vs PCB-101	7.5	8639000	126000000	100	0.914179894	0.914	OK	
2		44-DDD	7.5	8866100	311000000	250	0.950278671	0.949	X	
2		24-DDT (13C12-44DDD)	7.5	5583200	311000000	250	0.598413719	0.598	OK	
2		44-DDT	7.5	5750400	231000000	250	0.82978355	0.828	X	
2		13C12-44-DDE (PCB101)	250	550000000	126000000	100	1.746031746	1.746	OK	
2		13C12-44-DDD (PCB101)	250	311000000	126000000	100	0.987301587	0.988	OK	
2		13C12-44-DDT (PCB101)	250	231000000	126000000	100	0.733333333	0.734	OK	
3	H4-15-CS3-0078	44-DDNU vs PCB-9	20	27918000	477000000	100	0.292641509	0.293	OK	
3	12/7/2015 1137	44-DDNU vs PCB-52	20	27918000	202000000	100	0.691039604	0.69	X	
3	4-151207A03	44-DDMU vs PCB-52	20	8733700	202000000	100	0.216180693	0.216	OK	
3		44-DDMU vs PCB-101	20	8733700	108000000	100	0.404337963	0.405	OK	
3		24-DDE vs PCB-52	20	57911000	202000000	100	1.433440594	1.431	X	
3		24-DDE vs PCB-101	20	57911000	108000000	100	2.681064815	2.684	X	
3		44-DDE	20	45235000	501000000	250	1.128617764	1.128	OK	
3		24-DDD vs PCB-52	20	20959000	202000000	100	0.518787129	0.518	OK	
3		24-DDD vs PCB-101	20	20959000	108000000	100	0.970324074	0.971	OK	
3		44-DDD	20	21271000	260000000	250	1.022644231	1.021	X	
3		24-DDT (13C12-44DDD)	20	13003000	260000000	250	0.625144231	0.624	X	
3		44-DDT	20	13852000	195000000	250	0.887948718	0.887	OK	
3		13C12-44-DDE (PCB101)	250	501000000	108000000	100	1.855555556	1.859	X	
3		13C12-44-DDD (PCB101)	250	260000000	108000000	100	0.962962963	0.965	X	
3		13C12-44-DDT (PCB101)	250	195000000	108000000	100	0.722222222	0.724	X	
4	H4-15-CS4-0078	44-DDNU vs PCB-9	50	36354000	212000000	100	0.342962264	0.343	OK	
4	12/7/2015 1107	44-DDNU vs PCB-52	50	36354000	99172000	100	0.733150486	0.733	OK	
4	4-151207A02	44-DDMU vs PCB-52	50	10900000	99172000	100	0.219820111	0.22	OK	
4		44-DDMU vs PCB-101	50	10900000	53636000	100	0.406443434	0.406	OK	
4		24-DDE vs PCB-52	50	76430000	99172000	100	1.541362481	1.541	OK	
4		24-DDE vs PCB-101	50	76430000	53636000	100	2.849951525	2.85	OK	
4		44-DDE	50	60323000	265000000	250	1.138169811	1.138	OK	
4		24-DDD vs PCB-52	50	27406000	99172000	100	0.552696326	0.545	X	
4		24-DDD vs PCB-101	50	27406000	53636000	100	1.021925572	1.009	X	
4		44-DDD	50	27196000	129000000	250	1.054108527	1.058	X	
4		24-DDT (13C12-44DDD)	50	17627000	129000000	250	0.683217054	0.686	X	
4		44-DDT	50	17626000	98165000	250	0.897774156	0.898	X	
4		13C12-44-DDE (PCB101)	250	265000000	53636000	100	1.976284585	1.976	X	
4		13C12-44-DDD (PCB101)	250	129000000	53636000	100	0.962040421	0.959	X	
4		13C12-44-DDT (PCB101)	250	98165000	53636000	100	0.732082929	0.732	X	

RAW DATA USED EXPONENTIAL NOTATION...LOWER DIGITS MAY BE MISSING, INFLUENCING CALCULATIONS

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5	H4-15-CS5-0078	44-DDNU vs PCB-9	150	380000000	602000000	100	0.420819491	0.421	X
5	12/7/2015 1424	44-DDNU vs PCB-52	150	380000000	317000000	100	0.79915878	0.798	X
5	4-151207A08	44-DDMU vs PCB-52	150	110000000	317000000	100	0.231335436	0.232	OK
5		44-DDMU vs PCB-101	150	110000000	172000000	100	0.426356589	0.427	OK
5		24-DDE vs PCB-52	150	656000000	317000000	100	1.379600421	1.377	X
5		24-DDE vs PCB-101	150	656000000	172000000	100	2.542635659	2.535	X
5		44-DDE	150	565000000	656000000	250	1.43546748	1.436	OK
5		24-DDD vs PCB-52	150	297000000	317000000	100	0.624605678	0.624	OK
5		24-DDD vs PCB-101	150	297000000	172000000	100	1.151162791	1.148	X
5		44-DDD	150	304000000	430000000	250	1.178294574	1.177	X
5		24-DDT (13C12-44DDD)	150	176000000	430000000	250	0.682170543	0.682	OK
5		44-DDT	150	178000000	316000000	250	0.938818565	0.936	X
5		13C12-44-DDE (PCB101)	250	656000000	172000000	100	1.525581395	1.522	X
5		13C12-44-DDD (PCB101)	250	430000000	172000000	100	1	0.97	X
5		13C12-44-DDT (PCB101)	250	316000000	172000000	100	0.734883721	0.734	OK
6	H4-15-CS6-0078	44-DDNU vs PCB-9	400	958000000	660000000	100	0.362878788	0.363	OK
6	12/7/2015 1351	44-DDNU vs PCB-52	400	958000000	405000000	100	0.591358025	0.591	OK
6	4-151207A07	44-DDMU vs PCB-52	400	445000000	405000000	100	0.274691358	0.274	OK
6		44-DDMU vs PCB-101	400	445000000	236000000	100	0.471398305	0.47	X
6		13C12-44-DDE (PCB101)	250	738000000	236000000	100	1.250847458	1.249	X
6		13C12-44-DDD (PCB101)	250	554000000	236000000	100	0.938983051	0.938	X
6		13C12-44-DDT (PCB101)	250	427000000	236000000	100	0.723728814	0.723	X

Calibration Summary

	Calculated Avg RRF	Reported Avg RRF	Calculated %RSD	Reported %RSD	RRF Check
44-DDNU vs PCB-9	0.345498812	0.346	15%	15	OK
44-DDNU vs PCB-52	0.720038783	0.72	14%	14	OK
44-DDMU vs PCB-52	0.242128584	0.242	17%	17	OK
44-DDMU vs PCB-101	0.443685942	0.444	17%	17	OK
24-DDE vs PCB-52	1.473595556	1.473	8%	8	OK
24-DDE vs PCB-101	2.739909768	2.739	9%	9	OK
44-DDE	1.2435359	1.244	13%	13	OK
24-DDD vs PCB-52	0.614346093	0.613	26%	26	OK
24-DDD vs PCB-101	1.142390745	1.139	26%	26	OK
44-DDD	1.157197998	1.157	22%	22	OK
24-DDT (13C12-44DDD)	0.712922685	0.716	21%	22	X
44-DDT	0.971048714	0.97	19%	19	OK
13C12-44-DDE (PCB101)	1.729266497	1.729	17%	17	OK
13C12-44-DDD (PCB101)	0.982890629	0.982	4%	4	OK
13C12-44-DDT (PCB101)	0.73742204	0.738	3%	3	OK

Method Blank	Compound	Area	Area of IS	Ave. RRF	Concentration of IS (ug/L)	Calculated	Reported	Volume (L)	Calculated/Corrected	Reported	RL/EMPC	Check
						On-Column Concentration (pg)	On-Column Concentration (pg/L)		Final Concentration (pg/L)	Concentration /%R		
WG2181741-1 4-151207A40 12/8/15 0901	44-DDNU vs PCB-9	7895	307000000	0.345	5	0.00037		2500	0.000767			
	44-DDNU vs PCB-52	7895	139000000	0.720	5	0.00039		2500	0.749202603			
								2500	0.001023194	0.00023 JR	0.00023	X
	44-DDMU vs PCB-52	0	139000000	0.242	5	0.00000		2500	0.00			
	44-DDMU vs PCB-101	0	76450000	0.444	5	0.00000		2500				
								2500		<0.0044	0.0044	OK
	24-DDE vs PCB-52	0	139000000	1.474	5	0.00000		2500	0.00			
	24-DDE vs PCB-101	0	76450000	2.740	5	0.00000		2500				
								2500		<0.000022	0.000022	OK
	44-DDE	301220	61904000	1.244	6.25	0.02446	0.009782	2500	0.0098	0.00978 J	0.00005	OK
	24-DDD vs PCB-52	0	139000000	0.614	5	0.00000		2500	0.00			
	24-DDD vs PCB-101	0	76450000	1.142	5	0.00000		2500	1.181774728			
								2500	0	<0.00040	0.0004	OK
	44-DDD	51627	39954000	1.157	6.25	0.00698	0.002791	2500	0.0028	0.00279 MJ	0.00065	OK
	24-DDT (13C12-44DDD)	126250	39954000	0.713	6.25	0.02770	0.011033	2500	0.0111	0.0047 MJR	0.0011	X
	44-DDT	60444	26362000	0.971	6.25	0.01476	0.005909	2500	0.0059	0.00591 MJ	0.0012	OK
	13C12-44-DDE (PCB101)	61904000	76450000	1.729	5	2.34126		2500	37%	37		
	13C12-44-DDD (PCB101)	39954000	76450000	0.983	5	2.65857		2500	43%	43		
	13C12-44-DDT (PCB101)	26362000	76450000	0.737	5	2.33806		2500	37%	37		

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LCS	Compound	Area	Area of IS	Ave. RRF	Concentration of IS (ug/L)	Calculated On-Column Concentration (Final) (pg)	CORRECTED Calculated Conc. (13C-44-DDE)	Reported On-Column Concentration (pg/L)	LCS TV	Calculated %R	Reported %R	Check
WG2181741-2 4-151207A11 12/7/2015 1604	44-DDNU vs PCB-9	7986700	326000000	0.345	5	0.35	0.72	0.354003				
	44-DDNU vs PCB-52	7986700	153000000	0.720	5	0.36	0.970786068	0.361798				
	44-DDMU vs PCB-52	4237200	153000000	0.242	5	0.57	0.738609205	0.736421	1.25	59.09%	59	OK
	44-DDMU vs PCB-101	4237200	86697000	0.444	5	0.55	1.12	0.570472				
							0.970786068	0.550778				
	24-DDE vs PCB-52	25426000	153000000	1.474	5	0.56	1.156441522	1.153549	1.25	92.52%	92	OK
	24-DDE vs PCB-101	25426000	86697000	2.740	5	0.54	1.10					
							0.970786068					
	44-DDE	23409000	90964000	1.244	6.25	1.29	1.132132837	1.293400	1.25	90.57%	90	OK
	24-DDD vs PCB-52	11271000	153000000	0.614	5	0.60	1.17		1.25	103.5%	103	OK
	24-DDD vs PCB-101	11271000	86697000	1.142	5	0.57	0.970786068					
							1.203720779					
	44-DDD	13306000	49163000	1.157	6.25	1.46		1.461650	1.25	96.30%	96	OK
	24-DDT (13C12-44DDD)	7660400	49163000	0.713	6.25	1.37		1.360050	1.25	116.9%	117	OK
	44-DDT	8982500	36039000	0.971	6.25	1.60		1.605840	1.25	109.3%	109	OK
	13C12-44-DDE (PCB101)	90964000	86697000	1.729	5	3.03		3.034660	1.25	128.3%	128	OK
	13C12-44-DDD (PCB101)	49163000	86697000	0.983	5	2.88		2.886780	6.25	49%	49	OK
	13C12-44-DDT (PCB101)	36039000	86697000	0.737	5	2.82		2.818230	6.25	46%	46	OK
									6.25	45%	45	OK

CCV	Compound	Area (Resp)	Area of IS	Ave. RRF	Concentration of IS (ng/uL)	Spike (ng/uL)	Calculated CCV Conc.	Raw Data Reported CCV Conc.	CORRECTED Calculated Conc. (13C-44-DDE)	CCV %R	Reported CCV %R	CHECK
H4-15-CCV-0315 4-151207A19 12/7/15 2032	44-DDNU vs PCB-9	37825000	250000000	0.345	100	50	43.79		91.118			
	44-DDNU vs PCB-52	37825000	111000000	0.720	100	50	47.33		2.220			
	44-DDMU vs PCB-52	12036000	111000000	0.242	100	50	44.78		41.044	82.09%	82%	OK
	44-DDMU vs PCB-101	12036000	61113000	0.444	100	50	44.39		89.172			
									2.220			
	24-DDE vs PCB-52	84033000	111000000	1.474	100	50	51.37		40.167	80.33%	80%	OK
	24-DDE vs PCB-101	84033000	61113000	2.740	100	50	50.19		101.560			
									2.220			
	44-DDE	65078000	294000000	1.244	250	50	44.50	44.49350	45.748	91.50%	91%	OK
	24-DDD vs PCB-52	33312000	111000000	0.614	100	50	48.85		2.220	89.00%	89%	OK
	24-DDD vs PCB-101	33312000	61113000	1.142	100	50	47.71		96.565			
									2.220			
	44-DDD	33392000	156000000	1.157	250	50	46.24	46.24770	43.498	87.00%	87%	OK
	24-DDT (13C12-44DDD)	19833000	156000000	0.713	250	50	44.58	44.39500		92.49%	92%	OK
	44-DDT	20300000	113000000	0.971	250	50	46.25	46.42660		89.16%	89%	OK
	13C12-44-DDE (PCB101)	294000000	61113000	1.729	100	250	278.20			92.50%	93%	OK
	13C12-44-DDD (PCB101)	156000000	61113000	0.983	100	250	259.71			111.28%	111%	OK
	13C12-44-DDT (PCB101)	113000000	61113000	0.737	100	250	250.74			103.88%	104%	OK
										100.30%	100%	OK

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							Raw Data Reported	CORRECTED Calculated	CCV %R	CCV %R			
CCV	Compound	Area (Resp)	Area of IS	Ave. RRF	Concentration of IS (ng/μL)	Spike (ng/μL)	Calculated CCV Conc.	Reported CCV Conc.	Conc. (13C-44-DDE)	Calculated	Reported	CHECK	
H4-15-CCV-0319 4-151207A36 12/8/2015 0604	44-DDNU vs PCB-9	37131000	238000000	0.345	100	50	45.16		91.199				
	44-DDNU vs PCB-52	37131000	112000000	0.720	100	50	46.04		2.260				
						50			40.353	80.71%	81%	OK	
	44-DDMU vs PCB-52	12425000	112000000	0.242	100	50	45.82		90.381				
	44-DDMU vs PCB-101	12425000	62841000	0.444	100	50	44.56		2.260				
						50			39.992	79.98%	80%	OK	
	24-DDE vs PCB-52	86634000	112000000	1.474	100	50	52.49		102.808				
	24-DDE vs PCB-101	86634000	62841000	2.740	100	50	50.32		2.260				
						50			45.490	90.98%	91%	OK	
	44-DDE	67434200	306000000	1.244	250	50	44.30	44.18020		88.61%	88%	OK	
	24-DDD vs PCB-52	36316000	112000000	0.614	100	50	52.78		103.367				
	24-DDD vs PCB-101	36316000	62841000	1.142	100	50	50.59		2.260				
						50			45.738	91.48%	92%	OK	
	44-DDD	35219000	170000000	1.157	250	50	44.76	44.76290		89.51%	90%	OK	
	24-DDT (13C12-44DDD)	21988000	170000000	0.713	250	50	45.36	45.16670		90.71%	90%	OK	
	44-DDT	20522000	115000000	0.971	250	50	45.94	45.92550		91.89%	92%	OK	
	13C12-44-DDE (PCB101)	306000000	62841000	1.729	100	250	281.59			112.64%	113%	OK	
	13C12-44-DDD (PCB101)	170000000	62841000	0.983	100	250	275.23			110.09%	110%	OK	
	13C12-44-DDT (PCB101)	115000000	62841000	0.737	100	250	248.16			99.27%	99%	OK	
Client Sample L1678771-12						Calculated On-Column Concentration	Reported On-Column Concentration		CORRECTED Calculated Conc. (13C-44-DDE)	Calculated Final Conc.	Form 1 Reported Concentration	RL/EMPC	Check
	Compound	Area	Area of IS	Ave. RRF	Concentration of IS (pg/L)	(pg)	(pg)	Initial Vol (ml)					
BA8BC-W050-0915-1	44-DDNU vs PCB-9	195510	320750000	0.345	5	0.008821161		2570	0.018				
	44-DDNU vs PCB-52	195510	151380000	0.720	5	0.008968392		2570	0.977				
								2570	0.018	0.007081711	0.00708 J	0.00012	OK
	44-DDMU vs PCB-52	1331100	151380000	0.242	5	0.181579211		2570	0.361				
	44-DDMU vs PCB-101	1331100	83768000	0.444	5	0.179071665		2570	0.977				
								2570	0.369	0.143568821	0.143 M	0.0031	OK
	24-DDE vs PCB-52	2223200	151380000	1.474	5	0.049831245		2570	0.098				
	24-DDE vs PCB-101	2223200	83768000	2.740	5	0.048432193		2570	0.977				
								2570	0.101	0.03911696	0.0391	0.00014	OK
	44-DDE	9405800	88494000	1.244	6.25	0.534199655		2570		0.207859788	0.208	0.0003	OK
	24-DDD vs PCB-52	245030	151380000	0.614	5	0.013173697		2570	0.026				
	24-DDD vs PCB-101	245030	83768000	1.142	5	0.012802549		2570	0.977				
								2570	0.027	0.01034069	0.0085 MJR	0.00092	X
	44-DDD	756940	51391000	1.157	6.25	0.079551199		2570		0.030953774	0.0310 M	0.0016	OK
	24-DDT (13C12-44DDD)	147200	51391000	0.713	6.25	0.025110671		2570		0.009770689	0.0031 MJR	0.0027	X
	24-DDT (13C12-44DDD)	47129.6	51391000	0.713	6.25	0.008039782		2570		0.00312832	0.0031 MJR	0.0027	OK
	44-DDT	115080	35527000	0.971	6.25	0.020848764		2570		0.00811236	0.00812 MJR	0.0029	OK
	13C12-44-DDE (PCB101)	88494000	83768000	1.729	5	3.054525508		2570	49%		49		OK
	13C12-44-DDD (PCB101)	51391000	83768000	0.983	5	3.12085601		2570	50%		50		OK
13C12-44-DDT (PCB101)	35527000	83768000	0.737	5	2.87563844		2570	46%		46		OK	

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Client Sample L1678771-13	Compound	Area	Area of IS	Ave. RRF	Concentration of IS (pg/L)	Calculated On-Column Concentration (pg)	Reported On-Column Concentration (pg)	Initial Vol (ml)	CORRECTED Calculated	Calculated Final Conc.	Form 1 Reported Concentration	RL/EMPC	Check
									Conc. (13C-44-DDE)				
BA8BC-W095-0915-1	44-DDNU vs PCB-9	520120	266890000	0.345	5	0.02820296		2560	0.057				
	44-DDNU vs PCB-52	520120	124100000	0.720	5	0.029103545		2560	0.833				
								2560	0.069	0.026858083	0.0268 M	0.000089	OK
	44-DDMU vs PCB-52	3589700	124100000	0.242	5	0.597324481		2560	1.165				
	44-DDMU vs PCB-101	3589700	71284000	0.444	5	0.567492896		2560	0.833				
								2560	1.398	0.545919895	0.546	0.0059	OK
	24-DDE vs PCB-52	4139500	124100000	1.474	5	0.113179509		2560	0.219				
	24-DDE vs PCB-101	4139500	71284000	2.740	5	0.105971619		2560	0.833				
								2560	0.263	0.102710488	0.103	0.00053	OK
	44-DDE	17585000	64213000	1.244	6.25	1.376388711	0.537649	2560		0.53765184	0.538	0.0012	OK
	24-DDD vs PCB-52	379700	124100000	0.614	5	0.024901512		2560	0.048				
	24-DDD vs PCB-101	379700	71284000	1.142	5	0.023313306		2560	0.833				
								2560	0.058	0.022597043	0.0226 MJ	0.0014	OK
	44-DDD	1190000	40079000	1.157	6.25	0.160362356	0.06264	2560		0.062641545	0.0626 M	0.0024	OK
	24-DDT (13C12-44DDD)	112430	40079000	0.713	6.25	0.024592513	0.009565	2560		0.009606451	<0.0038 MU	0.0038	X
	24-DDT (13C12-44DDD)	10577.92	40079000	0.713	6.25	0.002313774	0.009565	2560		0.000903818	<0.0038 MU	0.0038	OK
	44-DDT	88101	27191000	0.971	6.25	0.020854254	0.08154	2560		0.008146193	0.00815 MJB	0.0041	OK
	13C12-44-DDE (PCB101)	64213000	71284000	1.729	5	2.604587642	1.01773	2560		42%	42		OK
	13C12-44-DDD (PCB101)	40079000	71284000	0.983	5	2.860155367	1.11803	2560		46%	46		OK
	13C12-44-DDT (PCB101)	27191000	71284000	0.737	5	2.586348294	1.0102	2560		41%	41		OK
Client Sample L1678771-14	Compound	Area	Area of IS	Ave. RRF	Concentration of IS (pg/L)	Calculated On-Column Concentration (pg)	Reported On-Column Concentration (pg)	Initial Vol (ml)	CORRECTED Calculated	Calculated Final Conc.	Form 1 Reported Concentration	RL/EMPC	Check
									Conc. (13C-44-DDE)				
BA8C-W05-0915-1	44-DDNU vs PCB-9	11248	246000000	0.345	5	0.000661704		2580	0.001				
	44-DDNU vs PCB-52	11248	117610000	0.720	5	0.000664118		2580	0.918				
								2580	0.001	0.000559633	0.000369 JR	0.00002	X
	44-DDMU vs PCB-52	118580	117610000	0.242	5	0.020820499		2580	0.041				
	44-DDMU vs PCB-101	118580	65074000	0.444	5	0.020535169		2580	0.918				
								2580	0.045	0.017456344	0.015 MJR	0.0036	X
	24-DDE vs PCB-52	104010	117610000	1.474	5	0.0030007		2580	0.006				
	24-DDE vs PCB-101	104010	65074000	2.740	5	0.002916764		2580	0.918				
								2580	0.006	0.002497778	0.0020 JR	0.00011	X
	44-DDE	651060	64582000	1.244	6.25	0.050667703	0.019638	2580		0.019638644	0.0196 JB	0.00025	OK
	24-DDD vs PCB-52	34067	117610000	0.614	5	0.002357472		2580	0.005				
	24-DDD vs PCB-101	34067	65074000	1.142	5	0.002291299		2580	0.918				
								2580	0.005	0.001962259	0.0015 JR	0.00055	X
	44-DDD	69093	39894000	1.157	6.25	0.009354031	0.006325	2580		0.003625593	0.0028 MJR	0.00089	X
	44-DDD	93217.28	39894000	1.157	6.25	0.012620053	0.006325	2580		0.004891494	0.0028 MJR	0.00089	X
	24-DDT (13C12-44DDD)	174840	39894000	0.713	6.25	0.038421189	0.014827	2580		0.014891934	0.0022 MJR	0.0014	OK
	44-DDT	58105	27216000	0.971	6.25	0.013741312	0.005332	2580		0.00532609	0.00533 MJB	0.0016	OK
	13C12-44-DDE (PCB101)	64582000	65074000	1.729	5	2.869538554	1.11258	2580		46%	46		OK
	13C12-44-DDD (PCB101)	39894000	65074000	0.983	5	3.118637452	1.20964	2580		50%	50		OK
	13C12-44-DDT (PCB101)	27216000	65074000	0.737	5	2.835767914	1.09901	2580		45%	45		OK

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Client Sample					Calculated		Reported		CORRECTED		Form 1			
L1678771-15						On-Column	On-Column	On-Column		Calculated	Reported			
					Concentration	Concentration	Concentration		Conc. (13C-44-DDE)	Calculated	Concentration	RL/EMPC	Check	
Compound					Area	Area of IS	Ave. RRF	of IS (pg/L)	(pg)	(pg)	Initial Vol (ml)	Final Conc.		
BA8DC-W05-0915-1	44-DDNU vs PCB-9	6721.2	120970000	0.345	5	0.00804068		2580	0.002					
	44-DDNU vs PCB-52	6721.2	59732000	0.720	5	0.000781365		2580	0.856					
								2580	0.002	0.000718259	0.000718 J	0.000034	OK	
	44-DDMU vs PCB-52	51140	59732000	0.242	5	0.017679811		2580	0.035					
	44-DDMU vs PCB-101	51140	33747000	0.444	5	0.017077327		2580	0.856					
								2580	0.041	0.015746253	0.013 MJR	0.0051	X	
	24-DDE vs PCB-52	36637	59732000	1.474	5	0.002081156		2580	0.004					
	24-DDE vs PCB-101	36637	33747000	2.740	5	0.001981155		2580	0.856					
								2580	0.005	0.001840375	0.0013 JR	0.00021	X	
		36637.00	33747000	1.474	5	0.003683634		2580	0.001427765	0.0013 JR	0.00021	OK		
	44-DDE	258860	31205000	1.244	6.25	0.041692933	0.01616	2580	0.016160052	0.0162 JB	0.00047	OK		
	24-DDD vs PCB-52	62154	59732000	0.614	5	0.008468743		2580	0.017	0.003282458				
	24-DDD vs PCB-101	62154	33747000	1.142	5	0.008061006		2580	0.856	0.003124421				
								2580	0.019	0.00748858	0.0016 R	0.00061	X	
	44-DDD	38244	18999000	1.157	6.25	0.010871887	0.004214	2580		0.00421391	0.00421 MJB	0.001	OK	
	24-DDT (13C12-44DDD)	0	18999000	0.713	6.25	0		2580	0	<0.0016	0.0016	OK		
	44-DDT	33000	13329000	0.971	6.25	0.015935121	0.006183	2580	0.006176404	0.0052 MJR	0.0017	X		
	13C12-44-DDE (PCB101)	31205000	33747000	1.729	5	2.673604061	1.03659	2580	43%	43	OK			
13C12-44-DDD (PCB101)	18999000	33747000	0.983	5	2.863916693	1.11086	2580	46%	46	OK				
13C12-44-DDT (PCB101)	13329000	33747000	0.737	5	2.678035239	1.03791	2580	43%	43	OK				
Client Sample					Calculated		Reported		CORRECTED		Form 1			
L1678771-16						On-Column	On-Column		Conc. (13C-44-DDE)	Calculated	Reported			
					Concentration	Concentration	Concentration		Conc. (13C-44-DDE)	Calculated	Concentration	RL/EMPC	Check	
Compound					Area	Area of IS	Ave. RRF	of IS (pg/L)	(pg)	(pg)	Initial Vol (ml)	Final Conc.		
BA8DC-W020-0915-1	44-DDNU vs PCB-9	83048	283550000	0.345	5	0.004238605		2630	0.008					
	44-DDNU vs PCB-52	83048	138710000	0.720	5	0.004157531		2630	0.856					
								2630	0.010	0.003731668	0.00373 J	0.00016	OK	
	44-DDMU vs PCB-52	265440	138710000	0.242	5	0.03951687		2630	0.077					
	44-DDMU vs PCB-101	265440	80776000	0.444	5	0.037032102		2630	0.856					
								2630	0.089	0.034022239	0.0340 M	0.0033	OK	
	24-DDE vs PCB-52	591560	138710000	1.474	5	0.014470473		2630	0.028					
	24-DDE vs PCB-101	591560	80776000	2.740	5	0.013364423		2630	0.856					
								2630	0.033	0.012371237	0.0124 J	0.00018	OK	
	44-DDE	2280100	74687000	1.244	6.25	0.153437166	0.05834	2630	0.058341128	0.0583 B	0.0004	OK		
	24-DDD vs PCB-52	64288	138710000	0.614	5	0.003772064		2630	0.007					
	24-DDD vs PCB-101	64288	80776000	1.142	5	0.003483396		2630	0.856					
								2630	0.008	0.003224694	0.00323 MJ	0.001	OK	
	44-DDD	276090	39828000	1.157	6.25	0.037439886	0.014235	2630	0.014235698	0.0142 MJB	0.0019	OK		
	24-DDT (13C12-44DDD)	0	39828000	0.713	6.25	0		2630	0	<0.035	0.035	OK		
	44-DDT	174280	27698000	0.971	6.25	0.040498426	0.015414	2630	0.015398641	0.0154 MJB	0.0032	OK		
	13C12-44-DDE (PCB101)	74687000	80776000	1.729	5	2.67344189	0.01683	2630	43%	43	OK			
	13C12-44-DDD (PCB101)	39828000	80776000	0.983	5	2.508250831	0.95439	2630	40%	40	OK			
13C12-44-DDT (PCB101)	27698000	80776000	0.737	5	2.324983947	0.883927	2630	37%	37	OK				

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Client Sample L1678771-17	Compound	Area	Area of IS	Ave. RRF	Concentration of IS (pg/L)	Calculated On-Column Concentration (pg)	Reported On-Column Concentration (pg)	Initial Vol (ml)	CORRECTED Calculated	Calculated Final Conc.	Form 1 Reported Concentration	RL/EMPC	Check
									Conc. (13C-44-DDE)				
BA8DC-W035-0915-1	44-DDNU vs PCB-9	203000	162530000	0.345	5	0.018075318		2620	0.035				
	44-DDNU vs PCB-52	203000	85068000	0.720	5	0.016570817		2620	0.906				
								2620	0.038	0.014598067	0.0146 mj	0.00018	OK
	44-DDMU vs PCB-52	806990	85068000	0.242	5	0.195896137		2620	0.378				
	44-DDMU vs PCB-101	806990	49855000	0.444	5	0.182412153		2620	0.906				
								2620	0.418	0.159399305	0.159 m	0.0056	OK
	24-DDE vs PCB-52	1986100	85068000	1.474	5	0.079218496		2620	0.152				
	24-DDE vs PCB-101	1986100	49855000	2.740	5	0.072698615		2620	0.906				
								2620	0.168	0.064009916	0.064	0.00068	OK
	44-DDE	8385200	48810000	1.244	6.25	0.863428357	0.001467	2620	0.329552808	0.33	0.0015	OK	OK
	24-DDD vs PCB-52	258370	85068000	0.614	5	0.024719106		2620	0.047				
	24-DDD vs PCB-101	258370	49855000	1.142	5	0.022682384		2620	0.906				
								2620	0.052	0.019972506	0.0200 mj	0.0013	OK
	44-DDD	710240	28623000	1.157	6.25	0.13401775	0.002141	2620	0.051151813	0.0512 m	0.0021	OK	OK
EMPC CALC	24-DDT (13C12-44DDD)	104810	28623000	0.713	6.25	0.032101487	0.00346	2620	0.012252476	<0.0068 mjr	0.0035	X	
	24-DDT (13C12-44DDD)	58803.2	28623000	0.713	6.25	0.018010401	0.00346	2620	0.006874199	<0.0068 mjr	0.0035	OK	
	44-DDT	178950	19906000	0.971	6.25	0.057861102	0.003812	2620	0.02208439	0.0221 mjb	0.0038	OK	OK
	13C12-44-DDE (PCB101)	48810000	49855000	1.729	5	2.830793332	1.0808	2620	45%	45		OK	
	13C12-44-DDD (PCB101)	28623000	49855000	0.983	5	2.920594343	1.11552	2620	47%	47		OK	
	13C12-44-DDT (PCB101)	19906000	49855000	0.737	5	2.707255035	1.00319	2620	43%	43		OK	
Client Sample L1678771-18	Compound	Area	Area of IS	Ave. RRF	Concentration of IS (pg/L)	Calculated On-Column Concentration (pg)	Reported On-Column Concentration (pg)	Initial Vol (ml)	CORRECTED Calculated	Calculated Final Conc.	Form 1 Reported Concentration	RL/EMPC	Check
									Conc. (13C-44-DDE)				
BA8DC-W038-0915-1	44-DDNU vs PCB-9	251870	208010000	0.345	5	0.017523291		2580	0.034				
	44-DDNU vs PCB-52	251870	109020000	0.720	5	0.016042956		2580	1.047				
								2580	0.032	0.012425755	0.0124 mj	0.00014	OK
	44-DDMU vs PCB-52	1493900	109020000	0.242	5	0.282969281		2580	0.554				
	44-DDMU vs PCB-101	1493900	62177000	0.444	5	0.270760994		2580	1.047				
								2580	0.529	0.2049832	0.203 m	0.0054	OK
	24-DDE vs PCB-52	3120900	109020000	1.474	5	0.097132681		2580	0.189				
	24-DDE vs PCB-101	3120900	62177000	2.740	5	0.091597545		2580	1.047				
								2580	0.180	0.069865289	0.0698 m	0.00034	OK
	44-DDE	12988000	70361000	1.244	6.25	0.927752144	0.359579	2580	0.359593854	0.36	0.00073	OK	OK
	24-DDD vs PCB-52	308500	109020000	0.614	5	0.023030634		2580	0.045				
	24-DDD vs PCB-101	308500	62177000	1.142	5	0.021716045		2580	1.047				
								2580	0.043	0.016564594	0.0166 J	0.00089	OK
	44-DDD	1001800	41636000	1.157	6.25	0.12995242	0.050364	2580	0.050369155	0.0504 M	0.0015	OK	OK
EMPC CALC	24-DDT (13C12-44DDD)	105090	41636000	0.713	6.25	0.022127379	0.008539	2580	0.008576504	<0.0024 MU	0.0024	OK	
	44-DDT	160320	29499000	0.971	6.25	0.034979968	0.013572	2580	0.013558127	0.0136 MJ8	0.0026	OK	OK
	13C12-44-DDE (PCB101)	70361000	62177000	1.729	5	3.271977558	1.26861	2580	52%	52		OK	
	13C12-44-DDD (PCB101)	41636000	62177000	0.983	5	3.406465899	1.32127	2580	55%	55		OK	
	13C12-44-DDT (PCB101)	29499000	62177000	0.737	5	3.216854523	1.24671	2580	51%	51		OK	

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Client Sample L1678771-19	Compound	Area	Area of IS	Ave. RRF	Concentration of IS (pg/L)	Calculated On-Column Concentration (pg)	Reported On-Column Concentration (pg)	Initial Vol (ml)	CORRECTED Calculated	Calculated Final Conc.	Form 1 Reported Concentration	RL/EMPC	Check
									Conc. (13C-44-DDE)				
BA9B-W05-0915-1	44-DDNU vs PCB-9	0	141620000	0.345	5	0		2560	0.000				
	44-DDNU vs PCB-52	0	69513000	0.720	5	0		2560	0.902				
								2560	0.000	0	<0.000031	0.000031	OK
	44-DDMU vs PCB-52	0	69513000	0.242	5	0		2560	0.000				
	44-DDMU vs PCB-101	0	37989000	0.444	5	0		2560	0.902				
								2560	0.000	0	<0.0062	0.0062	OK
	24-DDE vs PCB-52	81526	69513000	1.474	5	0.003979439		2560	0.008				
	24-DDE vs PCB-101	81526	37989000	2.740	5	0.003916265		2560	0.902				
								2560	0.009	0.003419032	0.00342 J	0.00012	OK
	44-DDE	362350	37038000	1.244	6.25	0.049170251	0.019207	2560		0.019207129	0.0192 JB	0.00026	OK
	24-DDD vs PCB-52	95412	69513000	0.614	5	0.011171047		2560	0.022164				
	24-DDD vs PCB-101	95412	37989000	1.142	5	0.010992601		2560	0.902				
								2560	0.025	0.009597399	0.0042 JR	0.00065	X
	44-DDD	41179	23039000	1.157	6.25	0.009653494	0.003771	2560		0.003770896	0.0032 MJR	0.0011	X
	24-DDT (13C12-44DDD)	104840	23039000	0.713	6.25	0.039893393	0.001763	2560		0.015583356	0.0036 MJR	0.0018	X
	44-DDT	29450	16060000	0.971	6.25	0.011802629	0.004615	2560		0.004610402	0.0037 MJR	0.0018	X
	13C12-44-DDE (PCB101)	37038000	37989000	1.729	5	2.81901731	1.10151	2560		45%	45		OK
	13C12-44-DDD (PCB101)	23039000	37989000	0.983	5	3.085109427	1.206	2560		49%	49		OK
	13C12-44-DDT (PCB101)	16060000	37989000	0.737	5	2.866431517	1.11961	2560		46%	46		OK
Client Sample L1678771-20	Compound	Area	Area of IS	Ave. RRF	Concentration of IS (pg/L)	Calculated On-Column Concentration (pg)	Reported On-Column Concentration (pg)	Initial Vol (ml)	CORRECTED Calculated	Calculated Final Conc.	Form 1 Reported Concentration	RL/EMPC	Check
									Conc. (13C-44-DDE)				
BA9B-W075-0915-1	44-DDNU vs PCB-9	411780	344200000	0.345	5	0.017313219	0.006759	2560	0.035				
	44-DDNU vs PCB-52	411780	163180000	0.720	5	0.01752316	0.006849	2560	0.925				
							0.014	2560	0.038	0.014707369	0.014 MJ	0.000094	OK
	44-DDMU vs PCB-52	1818800	163180000	0.242	5	0.230166417	0.089903	2560	0.452				
	44-DDMU vs PCB-101	1818800	92203000	0.444	5	0.222297321	0.086636	2560	0.925				
							0.181831	2560	0.489	0.191023043	0.182	0.0033	X
	24-DDE vs PCB-52	2632100	163180000	1.474	5	0.054730215		2560	0.107				
	24-DDE vs PCB-101	2632100	92203000	2.740	5	0.052094404		2560	0.925				
								2560	0.115	0.045099667	0.043	0.0011	OK
	44-DDE	10454000	96906000	1.244	6.25	0.542192515	0.21179	2560		0.211793951	0.212 M	0.0024	OK
	24-DDD vs PCB-52	206980	163180000	0.614	5	0.010323295		2560	0.020				
	24-DDD vs PCB-101	206980	92203000	1.142	5	0.009825138		2560	0.925				
								2560	0.022	0.00850635	0.0058 MJR	0.0014	X
	44-DDD	704090	53872000	1.157	6.25	0.070589064	0.027572	2560		0.027573853	0.0276 MB	0.0025	OK
	24-DDT (13C12-44DDD)	0	53872000	0.713	6.25	0		2560		0	<0.0041	0.0041	OK
	44-DDT	139960	38004000	0.971	6.25	0.023703563	0.009268	2560		0.009259204	0.00927 MJB	0.0044	OK
	13C12-44-DDE (PCB101)	92203000	92203000	1.729	5	2.891399335	1.8742	2560		46%	49		OK
	13C12-44-DDD (PCB101)	53872000	92203000	0.983	5	2.972233035	1.16184	2560		48%	48		OK
	13C12-44-DDT (PCB101)	38004000	92203000	0.737	5	2.794719006	1.09156	2560		45%	45		OK

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Client Sample					CORRECTED		Form 1				
L1678771-21					Calculated	Reported					
					On-Column	On-Column			Calculated	Reported	
					Concentration	Concentration			Final Conc.	Concentration	RL/EMPC
					Concentration	Concentration					Check
					of IS (pg/L)	(pg)	(pg)	Initial Vol (ml)	Conc. (13C-44-DDE)		

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Client Sample L1678771-23					CORRECTED								
					Concentration	Calculated On-Column Concentration	Reported On-Column Concentration			Calculated Final Conc.	Form 1 Reported Concentration	RL/EMPC	Check
					Concentration of IS (pg/L)	Concentration (pg)	Concentration (pg)	Initial Vol (ml)	Conc. (13C-44-DDE)				
Compound	Area	Area of IS	Ave. RRF										
BA9BC-W050-0915-1	44-DDNU vs PCB-9	39672	196790000	0.345	5	0.002917457		2595	0.006				
	44-DDNU vs PCB-52	39672	86515000	0.720	5	0.003184247		2595	1.124				
								2595	0.005	0.002092016	0.00209 MJ	0.00015	OK
	44-DDMU vs PCB-52	156950	86515000	0.242	5	0.037462249		2595	0.074				
	44-DDMU vs PCB-101	156950	48724000	0.444	5	0.03630051		2595	1.124				
								2595	0.066	0.025290127	0.0253 M	0.0032	OK
	24-DDE vs PCB-52	184010	86515000	1.474	5	0.007216751		2595	0.014				
	24-DDE vs PCB-101	184010	48724000	2.740	5	0.006891793		2595	1.124				
								2595	0.013	0.004837222	0.00484 MJ	0.00038	OK
	44-DDE	989020	59188000	1.244	6.25	0.083983332	0.032363	2595		0.032363519	0.0324	0.0008	OK
	24-DDD vs PCB-52	25149	86515000	0.614	5	0.002365845		2595	0.005				
	24-DDD vs PCB-101	25149	48724000	1.142	5	0.002259088		2595	1.124				
								2595	0.004	0.001585693	<0.0013 MU	0.0013	X
	44-DDD	85604	35900000	1.157	6.25	0.012878698	0.001476	2595		0.004962889	0.00496 MJB	0.0022	OK
	24-DDT (13C12-44DDD)	0	35900000	0.713	6.25	0	0.004963	2595		0	<0.0035	0.0035	OK
	44-DDT	55269	24640000	0.971	6.25	0.014437098	0	2595		0.005563429	0.0045 MJR	0.0037	X
	13C12-44-DDE (PCB101)	59188000	48724000	1.729	5	3.51235826	1.35391	2595		56%		56	
	13C12-44-DDD (PCB101)	35900000	48724000	0.983	5	3.748144483	1.44538	2595		60%		60	
	13C12-44-DDT (PCB101)	24640000	48724000	0.737	5	3.428875053	1.32117	2595		55%		55	
Client Sample L1678771-24					CORRECTED								
					Concentration	Calculated On-Column Concentration	Reported On-Column Concentration			Calculated Final Conc.	Form 1 Reported Concentration	RL/EMPC	Check
					Concentration of IS (pg/L)	Concentration (pg)	Concentration (pg)	Initial Vol (ml)	Conc. (13C-44-DDE)				
Compound	Area	Area of IS	Ave. RRF										
BA9BC-W095-0915-1	44-DDNU vs PCB-9	202150	261850000	0.345	5	0.011172352		2590	0.022				
	44-DDNU vs PCB-52	202150	124370000	0.720	5	0.011286836		2590	1.304				
								2590	0.017	0.006650645	0.00665 MJ	0.000045	OK
	44-DDMU vs PCB-52	1265300	124370000	0.242	5	0.210088275		2590	0.420				
	44-DDMU vs PCB-101	1265300	67874000	0.444	5	0.210079851		2590	1.304				
								2590	0.322	0.124420756	0.124	0.0039	OK
	24-DDE vs PCB-52	1864000	124370000	1.474	5	0.050853632		2590	0.101				
	24-DDE vs PCB-101	1864000	67874000	2.740	5	0.050115978		2590	1.304				
								2590	0.077	0.029899258	0.0299	0.00017	OK
	44-DDE	8488800	95648000	1.244	6.25	0.446058786	0.17222	2590		0.172223469	0.172	0.00039	OK
	24-DDD vs PCB-52	201500	124370000	0.614	5	0.013186099		2590	0.026				
	24-DDD vs PCB-101	201500	67874000	1.142	5	0.012993523		2590	1.304				
								2590	0.020	0.007752345	0.00777 J	0.00073	OK
	44-DDD	560450	59115000	1.157	6.25	0.0512049	0.019769	2590		0.019770232	0.017 MJR	0.0012	OK
	24-DDT (13C12-44DDD)	0	59115000	0.713	6.25	0		2590		0	<0.0020	0.002	OK
	44-DDT	80677	40383000	0.971	6.25	0.012858496	0.00497	2590		0.00496467	0.0497 MJB	0.0022	OK
	13C12-44-DDE (PCB101)	95648000	67874000	1.729	5	4.074558205	1.57369	2590		65%	65		OK
	13C12-44-DDD (PCB101)	59115000	67874000	0.983	5	4.43056446	1.71188	2590		71%	71		OK
	13C12-44-DDT (PCB101)	40383000	67874000	0.737	5	4.03412198	1.55741	2590		65%	65		OK

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Client Sample L1678771-25	Compound	Area	Area of IS	Ave. RRF	Concentration of IS (pg/L)	Calculated	Reported	Initial Vol (ml)	CORRECTED	Calculated	Form 1	RL/EMPC	Check
						On-Column Concentration (pg)	On-Column Concentration (pg)		Conc. (13C-44-DDE)	Final Conc.	Reported Concentration		
BA9C-W05-0915-1	44-DDNU vs PCB-9	13876	318540000	0.345	5	0.000630411		2620	0.001				
	44-DDNU vs PCB-52	13876	146910000	0.720	5	0.000655884		2620	1.418				
								2620	0.001	0.000346329	0.00027 JR	0.000052	X
	44-DDMU vs PCB-52	74857	146910000	0.242	5	0.010522162		2620	0.021				
	44-DDMU vs PCB-101	74857	81880000	0.444	5	0.010302649		2620	1.418				
								2620	0.015	0.005606979	0.00561 MJ	0.0019	OK
	24-DDE vs PCB-52	97143	146910000	1.474	5	0.002243633		2620	0.004				
	24-DDE vs PCB-101	97143	81880000	2.740	5	0.002165047		2620	1.418				
								2620	0.003	0.001187016	0.00087 JR	0.00016	X
	44-DDE	629820	125450000	1.244	6.25	0.025232918	0.00963	2620		0.009630885	0.00963 JB	0.00035	OK
	24-DDD vs PCB-52	0	146910000	0.614	5	0		2620	0.000				
	24-DDD vs PCB-101	0	81880000	1.142	5	0		2620	1.418				
								2620	0.000	0	<0.00070	0.0007	OK
	44-DDD	120710	74877000	1.157	6.25	0.008706972	0.003323	2620		0.003323272	0.0026 MJR	0.0012	X
	24-DDT (13C12-44DDD)	0	74877000	0.713	6.25	0		2620		0	<0.0019	0.0019	OK
	44-DDT	76762	50904000	0.971	6.25	0.009705845	0.003708	2620		0.003704521	0.0032 MJR	0.0021	X
	13C12-44-DDE (PCB101)	125450000	81880000	1.729	5	4.429971258	1.69142	2620		71%	71		OK
	13C12-44-DDD (PCB101)	74877000	81880000	0.983	5	4.651953998	1.77681	2620		74%	74		OK
	13C12-44-DDT (PCB101)	50904000	81880000	0.737	5	4.21529494	1.60873	2620		67%	67		OK

Client Sample L1678771-26	Compound	Area	Area of IS	Ave. RRF	Concentration of IS (pg/L)	Calculated	Reported	Initial Vol (ml)	CORRECTED	Calculated	Form 1	RL/EMPC	Check
						On-Column Concentration (pg)	On-Column Concentration (pg)		Conc. (13C-44-DDE)	Final Conc.	Reported Concentration		
BA9C-W030-0915-1	44-DDNU vs PCB-9	75430	158990000	0.345	5	0.006865904		2600	0.013				
	44-DDNU vs PCB-52	75430	83597000	0.720	5	0.00626567		2600	1.449				
								2600	0.009	0.003485808	0.0027 MJR	0.000042	X
	44-DDMU vs PCB-52	404140	83597000	0.242	5	0.099830923		2600	0.192				
	44-DDMU vs PCB-101	404140	49155000	0.444	5	0.092652784		2600	1.449				
								2600	0.133	0.051095255	0.0511 M	0.0032	OK
	24-DDE vs PCB-52	707160	83597000	1.474	5	0.028702432		2600	0.055				
	24-DDE vs PCB-101	707160	49155000	2.740	5	0.02625329		2600	1.449				
								2600	0.038	0.014588126	0.0146 J	0.00014	OK
	44-DDE	2869600	76975000	1.244	6.25	0.187367109	0.072064	2600		0.072064273	0.0721	0.0003	OK
	24-DDD vs PCB-52	95604	83597000	0.614	5	0.009307698		2600	0.018				
	24-DDD vs PCB-101	95604	49155000	1.142	5	0.008512629		2600	1.449				
								2600	0.012	0.004730448	0.00474 MJ	0.0011	OK
	44-DDD	285640	49720000	1.157	6.25	0.031028462	0.011933	2600		0.011934024	0.0119 MJ8	0.0017	OK
	24-DDT (13C12-44DDD)	0	49720000	0.713	6.25	0		2600		0	<0.0027	0.0027	OK
	44-DDT	0	33099000	0.971	6.25	0		2600		0	<0.0031	0.0031	OK
	13C12-44-DDE (PCB101)	76975000	49155000	1.729	5	4.527829597	1.74199	2600		72%	72		OK
	13C12-44-DDD (PCB101)	49720000	49155000	0.983	5	5.145507661	1.98043	2600		82%	82		OK
	13C12-44-DDT (PCB101)	33099000	49155000	0.737	5	4.565633681	1.75579	2600		73%	73		OK

NOTES:

Highlighted cells indicate that the recalculated values did not match reported values

Highlighted cells had EMPC calculation performed which matched the reported values.

Highlighted cells had exponential notation on raw data; lower digits lost.

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Client Sample L1678771-6 6-151207A16 12/8/15 0059 BA7BC-WO50-0915-1	24-DDD EMPC calc		Solve for Ion 1	1.56=x/661.07
	Area Ion 1 =	1332	x=	1031.2692
	Area Ion 2 =	661.07	New Area Ion 1 =	1031.2692
	Sum =	1993.07	Area Ion 2 =	661.07
	Ratio =	2.015	New Sum =	1692.34
	24-DDD: Theoretical Ion Ratio =	1.56		
	44-DDD EMPC calc		Solve for Ion 1	1.56=x/734.18
	Area Ion 1 =	1577.7	x=	1145.3208
	Area Ion 2 =	734.18	New Area Ion 1 =	1145.3208
	Sum =	2311.88	Area Ion 2 =	734.18
	Ratio =	2.15	New Sum =	1879.50
	44-DDD: Theoretical Ion Ratio =	1.56		
Client Sample L1678771-27 BA7BC-WO50-0915-1	24-DDD EMPC calc		Solve for Ion 1	1.56=x/784.12
	Area Ion 1 =	1915.8	x=	1223.2272
	Area Ion 2 =	784.12	New Area Ion 1 =	1223.2272
	Sum =	2699.92	Area Ion 2 =	784.12
	Ratio =	2.443	New Sum =	2007.35
	24-DDD: Theoretical Ion Ratio =	1.56		
Client Sample L1678771-10 BA8B-WO145-0915-1 2630	44-DDD EMPC calc		Solve for Ion 1	1.56=x/800.95
	Area Ion 1 =	747.98	x=	1249.482
	Area Ion 2 =	800.95	New Area Ion 1 =	1249.482
	Sum =	1548.93	Area Ion 2 =	800.95
	Ratio =	0.93	New Sum =	2050.43
	44-DDD: Theoretical Ion Ratio =	1.56		
Client Sample L1678771-28 BA9C-WO58-0915-1	44-DDE EMPC calc		Solve for Ion 1	1.56=x/23353
	Area Ion 1 =	35281	x=	36430.68
	Area Ion 2 =	23353	New Area Ion 1 =	36430.68
	Sum =	58634	Area Ion 2 =	23353
	Ratio =	1.51	New Sum =	59783.68
	44-DDD: Theoretical Ion Ratio =	1.56		
Client Sample L1678771-12 BA8BC-WO50-0915-1	24-DDE EMPC calc		Solve for Ion 1	1.56=x/18140
	Area Ion 1 =	128790	x=	28719.6
	Area Ion 2 =	18410	New Area Ion 1 =	28719.6
	Sum =	147200	Area Ion 2 =	18410
	Ratio =	7.00	New Sum =	47129.60
	24-DDE: Theoretical Ion Ratio =	1.56		
Client Sample L1678771-14 BA8C-WO5-0915-1	44-DDD EMPC calc		Solve for Ion 1	1.56=x/18140
	Area Ion 1 =	32680	x=	56804.28
	Area Ion 2 =	36413	New Area Ion 1 =	56804.28
	Sum =	69093	Area Ion 2 =	36413
	Ratio =	0.90	New Sum =	93217.28
	44-DDD: Theoretical Ion Ratio =	1.56		
Client Sample L1678771-17 BA8DC-WO35-0915-1	24-DDT EMPC calc		Solve for Ion 1	1.56=x/18140
	Area Ion 1 =	81838	x=	35833.2
	Area Ion 2 =	22970	New Area Ion 1 =	35833.2
	Sum =	104808	Area Ion 2 =	22970
	Ratio =	3.56	New Sum =	58803.20
	24-DDT: Theoretical Ion Ratio =	1.56		
Client Sample L1678771-13 BA8BC-WO95-0915-1	24-DDT EMPC calc		Solve for Ion 1	1.56=x/18140
	Area Ion 1 =	15768	x=	6445.92
	Area Ion 2 =	4132	New Area Ion 1 =	6445.92
	Sum =	19900	Area Ion 2 =	4132
	Ratio =	3.82	New Sum =	10577.92
	24-DDT: Theoretical Ion Ratio =	1.56		
Client Sample L1678771-15 BA8DC-WO5-0915-1	24-DDE EMPC calc		Solve for Ion 1	1.56=x/18140
	Area Ion 1 =	26837	x=	15288.312
	Area Ion 2 =	9800.2	New Area Ion 1 =	15288.312
	Sum =	36637.2	Area Ion 2 =	9800.2
	Ratio =	2.74	New Sum =	25088.51
	24-DDE: Theoretical Ion Ratio =	1.56		

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Level	File ID	Compound	Concentration (ng/mL)(ppb) (pg/uL)	Area	Reported RRF	Check
1	5-150917B01	PCB037	1.0	14027	0.697	OK
1	15:09	PCB077	1.0	16252	0.890	OK
1	CS-1	PCB081	1.0	12797	0.773	OK
1		PCB105	1.0	10784	0.740	OK
1		PCB118	1.0	10658	0.694	OK
1		PCB126	1.0	10651	0.739	OK
1		PCB156/157	2.0	23097	0.879	OK
1		PCB169	1.0	10422	0.784	OK
1		PCB189	1.0	8597	0.647	OK
1		PCB206	1.0	4422	0.631	OK
1		PCB209	1.0	5636	0.639	OK
1		13C12-PCB037 (52L)	100.0	2011940	1.671	OK
1		13C12-PCB081 (101L)	100.0	1655151	1.492	OK
1		13C12-PCB118 (101L)	100.0	1535225	1.384	OK
1		13C12-PCB169 (138L)	100.0	1329242	1.203	OK
1		13C12-PCB206 (194L)	100.0	700396	0.812	OK
2	5-150917B06	PCB037	5	103031	0.921	OK
2	18:44	PCB077	5	105163	1.002	OK
2	CS-2	PCB081	5	92401	0.988	OK
2		PCB105	5	75358	0.924	OK
2		PCB118	5	77941	0.923	OK
2		PCB126	5	80012	0.941	OK
2		PCB156/157	10	152776	1.070	OK
2		PCB169	5	72570	1.001	OK
2		PCB189	5	63728	0.806	OK
2		PCB206	5	27216	0.732	OK
2		PCB209	5	35426	0.696	OK
2		13C12-PCB037 (52L)	100.0	2236745	1.913	OK
2		13C12-PCB081 (101L)	100.0	1870157	1.680	OK
2		13C12-PCB118 (101L)	100.0	1689576	1.518	OK
2		13C12-PCB169 (138L)	100.0	1450649	1.243	OK
2		13C12-PCB206 (194L)	100.0	743630	0.768	OK

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3	5-150917B05	PCB037	50	1481713	0.998	OK
3	18:07	PCB077	50	1448413	1.048	OK
3	CS-3	PCB081	50	1376339	1.097	OK
3		PCB105	50	1144819	1.055	OK
3		PCB118	50	1193134	1.057	OK
3		PCB126	50	1206942	1.081	OK
3		PCB156/157	100	2289772	1.202	OK
3		PCB169	50	1129740	1.163	OK
3		PCB189	50	992406	0.934	OK
3		PCB206	50	478489	0.941	OK
3		PCB209	50.0	596641	0.878	OK
3		13C12-PCB037 (52L)	100.0	2969821	1.840	OK
3		13C12-PCB081 (101L)	100.0	2510253	1.638	OK
3		13C12-PCB118 (101L)	100.0	2257781	1.473	OK
3		13C12-PCB169 (138L)	100.0	1943497	1.238	OK
3		13C12-PCB206 (194L)	100.0	1016565	0.771	OK
4	5-150917B04	PCB037	400	9572388	1.036	OK
4	17:25	PCB077	400	9331661	1.072	OK
4	CS-4	PCB081	400	8959444	1.127	OK
4		PCB105	400	7429704	1.080	OK
4		PCB118	400	7758263	1.084	OK
4		PCB126	400	7757666	1.115	OK
4		PCB156/157	800	14875369	1.234	OK
4		PCB169	400	7314182	1.186	OK
4		PCB189	400	6154934	0.961	OK
4		PCB206	400	3183722	0.995	OK
4		PCB209	400	3803045	0.919	OK
4		13C12-PCB037 (52L)	100.0	2308914	1.816	OK
4		13C12-PCB081 (101L)	100.0	1987738	1.662	OK
4		13C12-PCB118 (101L)	100.0	1789163	1.496	OK
4		13C12-PCB169 (138L)	100.0	1542276	1.309	OK
4		13C12-PCB206 (194L)	100.0	800164	0.797	OK

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5	5-150917B03	PCB037	2000	54007034	1.049	OK
5	16:46	PCB077	2000	51037860	1.092	OK
5	CS-5	PCB081	2000	50499820	1.149	OK
5		PCB105	2000	41451083	1.117	OK
5		PCB118	2000	42948078	1.103	OK
5		PCB126	2000	42096350	1.130	OK
5		PCB156/157	4000	81924056	1.253	OK
5		PCB169	2000	40314696	1.204	OK
5		PCB189	2000	33264098	0.990	OK
5		PCB206	2000	17347157	1.010	OK
5		PCB209	2000	20185600	0.927	OK
5		13C12-PCB037 (52L)	100.0	2574232	1.846	OK
5		13C12-PCB081 (101L)	100.0	2197086	1.686	OK
5		13C12-PCB118 (101L)	100.0	1947291	1.494	OK
5		13C12-PCB169 (138L)	100.0	1674203	1.317	OK
5		13C12-PCB206 (194L)	100.0	858867	0.834	OK

Calibration Summary

	Calculated Avg RRF	Reported Avg RRF
PCB037	0.940	0.94
PCB077	1.021	1.021
PCB081	1.027	1.027
PCB105	0.983	0.983
PCB118	0.972	0.972
PCB126	1.001	1.001
PCB156/157	1.128	1.128
PCB169	1.067	1.068
PCB189	0.868	0.868
PCB206	0.862	0.862
PCB209	0.812	0.812
13C12-PCB037 (52L)	1.817	1.817
13C12-PCB081 (101L)	1.632	1.632
13C12-PCB118 (101L)	1.473	1.473
13C12-PCB169 (138L)	1.262	1.262
13C12-PCB206 (194L)	0.796	0.796

ICV - used LCS

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CCV	Compound	Area	Area of IS	Ave. RRF	Raw Data Reported	CCV %R	CCV %R	Check
					CCV Conc.	Calculated	Reported	
H5-15-CCV-564	PCB037	622374	1309532	0.940	50.541	101%	101%	OK
12/3/15 11:46	PCB077	641130	1250640	1.021	50.223	100%	100%	OK
File ID: 5-151203A02	PCB081	649903	1213173	1.027	52.172	104%	104%	OK
	PCB105	552613.5	1082027	0.983	51.954	104%	104%	OK
	PCB118	585345	1148071	0.972	52.448	105%	105%	OK
	PCB126	530479	1024937	1.001	51.697	103%	103%	OK
	PCB156/157	1124639	1974259	1.128	101.043	101%	101%	OK
	PCB169	560912	1032253	1.067	50.909	102%	102%	OK
	PCB189	467285	1019654	0.868	52.814	106%	106%	OK
	PCB206	260337	556688	0.862	54.261	109%	109%	OK
	PCB209	309662	736898	0.812	51.755	104%	104%	OK
	13C12-PCB037 (52L)	1309532.4	765205	1.817	94.174	94%	94%	OK
	13C12-PCB081 (101L)	1213173.3	722874	1.632	102.854	103%	103%	OK
	13C12-PCB118 (101L)	1148071.3	722874	1.473	107.812	108%	108%	OK
	13C12-PCB169 (138L)	1032253.1	824971	1.262	99.140	99%	99%	OK
	13C12-PCB206 (194L)	556687.8	667282	0.796	104.751	105%	105%	OK

CCV	Compound	Area	Area of IS	Ave. RRF	Raw Data Reported	CCV %R	CCV %R	Check
					CCV Conc.	Calculated	Reported	
H5-15-CCV-565	PCB037	577897	1212388	0.940	50.690	101%	101%	OK
12/3/15 20:18	PCB077	600648	1174085	1.021	50.120	100%	100%	OK
File ID: 5-151203A15	PCB081	602746	1130536	1.027	51.923	104%	104%	OK
	PCB105	522885	1022943	0.983	51.998	104%	104%	OK
	PCB118	553472	1099765	0.972	51.770	104%	104%	OK
	PCB126	532276	1037818	1.001	51.228	102%	102%	OK
	PCB156/157	1163948	2051871	1.128	100.619	101%	101%	OK
	PCB169	568317	1060803	1.067	50.193	100%	100%	OK
	PCB189	449834	1003471	0.868	51.610	103%	103%	OK
	PCB206	282477	607433	0.862	53.957	108%	108%	OK
	PCB209	325816	773530	0.812	51.876	104%	104%	OK
	13C12-PCB037 (52L)	1212388.3	731215	1.817	91.241	91%	91%	OK
	13C12-PCB081 (101L)	1130536.2	688497	1.632	10.634	101%	101%	OK
	13C12-PCB118 (101L)	1099764.5	688497	1.473	108.432	108%	108%	OK
	13C12-PCB169 (138L)	1060803.3	811582	1.262	103.563	104%	104%	OK
	13C12-PCB206 (194L)	607433.4	707984	0.796	107.729	108%	108%	OK

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CCV	Compound	Area	Area of IS	Ave. RRF	Raw Data Reported	CCV %R	CCV %R	Check
					CCV Conc.	Calculated	Reported	
H5-15-CCV-568 12/4/15 19:19 File ID: 5-151204A14	PCB037	733359	1533557	0.940	50.854	102%	102%	OK
	PCB077	722521	1384065	1.021	51.142	102%	102%	OK
	PCB081	735806	1359591	1.027	52.707	105%	105%	OK
	PCB105	609603	1190730	0.983	52.080	104%	104%	OK
	PCB118	647847	1265110	0.972	52.678	105%	105%	OK
	PCB126	628897	1223538	1.001	51.340	103%	103%	OK
	PCB156/157	1284360	2271350	1.128	100.300	100%	100%	OK
	PCB169	626174	1177867	1.067	49.807	100%	100%	OK
	PCB189	484581	1092274	0.868	51.127	102%	102%	OK
	PCB206	302955	646101	0.862	51.575	109%	109%	OK
	PCB209	340698	822515	0.812	50.015	102%	102%	OK
	13C12-PCB037 (52L)	1533556.9	945457	1.817	89.259	89%	89%	OK
	13C12-PCB081 (101L)	1359591.4	830857	1.632	100.287	100%	100%	OK
	13C12-PCB118 (101L)	1265110.3	830857	1.473	103.362	103%	103%	OK
	13C12-PCB169 (138L)	1177867.2	920620	1.262	101.372	101%	101%	OK
	13C12-PCB206 (194L)	646100.6	725990	0.796	111.744	112%	112%	OK

CCV	Compound	Area	Area of IS	Ave. RRF	Raw Data Reported	CCV %R	CCV %R	Check
					CCV Conc.	Calculated	Reported	
H5-15-CCV-569 12/5/15 6:01 File ID: 5-151204A30	PCB037	725907	1537922	0.940	50.195	100%	100%	OK
	PCB077	709134	1393226	1.021	49.865	100%	100%	OK
	PCB081	721148	1356206	1.027	51.786	104%	104%	OK
	PCB105	604188	1196036	0.983	51.388	103%	103%	OK
	PCB118	648994	1316427	0.972	50.714	101%	101%	OK
	PCB126	633206	1252957	1.001	50.478	101%	101%	OK
	PCB156/157	1335527	2368821	1.128	100.004	100%	100%	OK
	PCB169	633632	1185120	1.067	50.091	100%	100%	OK
	PCB189	503372	1127888	0.868	51.433	103%	103%	OK
	PCB206	318368	681927	0.862	54.174	108%	108%	OK
	PCB209	376552	898658	0.812	51.606	103%	103%	OK
	13C12-PCB037 (52L)	1537922	981256	1.817	86.247	86%	86%	OK
	13C12-PCB081 (101L)	1356205.7	900557	1.632	92.294	92%	92%	OK
	13C12-PCB118 (101L)	1316427	900557	1.473	99.230	99%	99%	OK
	13C12-PCB169 (138L)	1185120.2	971179	1.262	96.686	97%	97%	OK
	13C12-PCB206 (194L)	681926.7	782842	0.796	109.376	109%	109%	OK

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CCV	Compound	Area	Area of IS	Ave. RRF	Raw Data Reported CCV Conc.	CCV %R Calculated	CCV %R Reported	Check
H5-15-CCV-577	PCB037	585781	1239249	0.940	50.268	101%	101%	OK
12/9/15 22:09	PCB077	544359	1075649	1.021	49.579	99%	99%	OK
File ID: 5-151209A18	PCB081	549403	1028094	1.027	52.044	104%	104%	OK
	PCB105	461599	906297	0.983	51.812	104%	104%	OK
	PCB118	472860	945064	0.972	51.470	103%	103%	OK
	PCB126	471472	913535	1.001	51.550	103%	103%	OK
	PCB156/157	1016245	1819044	1.128	99.095	99%	99%	OK
	PCB169	493849	933933	1.067	49.541	99%	99%	OK
	PCB189	373908	834554	0.868	51.633	103%	103%	OK
	PCB206	235628	495667	0.862	55.157	110%	110%	OK
	PCB209	273662	653079	0.812	51.608	103%	103%	OK
	13C12-PCB037 (52L)	1239249	790565	1.817	86.261	86%	86%	OK
	13C12-PCB081 (101L)	1028093.9	648536	1.632	97.154	97%	97%	OK
	13C12-PCB118 (101L)	945063.8	648536	1.473	98.920	99%	99%	OK
	13C12-PCB169 (138L)	933933	720364	1.262	102.722	103%	103%	OK
	13C12-PCB206 (194L)	495667.3	562071	0.796	110.758	111%	111%	OK

CCV	Compound	Area	Area of IS	Ave. RRF	Raw Data Reported CCV Conc.	CCV %R Calculated	CCV %R Reported	Check
H5-15-CCV-578	PCB037	480249	1006680	0.940	50.733	101%	102%	OK
12/10/15 8:52	PCB077	545300	1084877	1.021	49.243	98%	99%	OK
File ID:	PCB081	557389	1042860	1.027	52.053	104%	104%	OK
5-151209A34	PCB105	490718	970128	0.983	51.456	103%	103%	OK
	PCB118	495141	991617	0.972	51.365	103%	103%	OK
	PCB126	542944	1067591	1.001	50.978	102%	102%	OK
	PCB156/157	1198575	2160334	1.128	98.41	98%	98%	OK
	PCB169	590848	1114775	1.067	49.657	99%	99%	OK
	PCB189	432083	969860	0.868	51.342	103%	103%	OK
	PCB206	281578	592907	0.862	55.103	110%	110%	OK
	PCB209	306933	736812	0.812	51.305	103%	103%	OK
	13C12-PCB037 (52L)	1006679.8	562470	1.817	98.488	99%	99%	OK
	13C12-PCB081 (101L)	1042860.4	606012	1.632	105.464	105%	106%	OK
	13C12-PCB118 (101L)	991617.4	606012	1.473	111.076	111%	111%	OK
	13C12-PCB169 (138L)	1114775.4	820123	1.262	107.698	108%	108%	OK
	13C12-PCB206 (194L)	592907	662840	0.796	112.314	112%	112%	OK

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CCV	Compound	Area	Area of IS	Ave. RRF	Raw Data Reported CCV Conc.	CCV %R Calculated	CCV %R Reported	Check
H5-15-CCV-572	PCB037	1446293	3096162	0.940	49.676	99%	99%	OK
12/7/15 15:39	PCB077	1310051	2601729	1.021	49.33	99%	99%	OK
File ID: 5-151207C02	PCB081	1326474	2507405	1.027	103	103%	103%	OK
	PCB105	1114912	2198453	0.983	103.2	103%	103%	OK
	PCB118	1161221	2318212	0.972	103.1	103%	106%	OK
	PCB126	1131259	2211365	1.001	51.097	102%	102%	OK
	PCB156/157	2447262	4368642	1.128	99.364	99%	99%	OK
	PCB169	1157629	2168790	1.067	50.008	100%	100%	OK
	PCB189	892136	2023986	0.868	50.797	102%	102%	OK
	PCB206	567285	1170650	0.862	56.226	112%	112%	OK
	PCB209	651786	1539863	0.812	52.131	104%	104%	OK
	13C12-PCB037 (52L)	3096162.1	1952057	1.817	87.282	87%	87%	OK
	13C12-PCB081 (101L)	2507405.4	1662942.5	1.632	92.408	92%	92%	OK
	13C12-PCB118 (101L)	2318212	1662942.5	1.473	94.630	95%	95%	OK
	13C12-PCB169 (138L)	2168790.1	1785267	1.262	96.253	96%	96%	OK
	13C12-PCB206 (194L)	1170650	1333276	0.796	110.246	110%	110%	OK

CCV	Compound	Area	Area of IS	Ave. RRF	Raw Data Reported CCV Conc.	CCV %R Calculated	CCV %R Reported	Check
H5-15-CCV-573	PCB037	1243848	2670360	0.940	49.535	99%	99%	OK
12/8/15 0:53	PCB077	1396922	2799337	1.021	48.888	98%	98%	OK
File ID: 5-151207C16	PCB081	1424067	2701909	1.027	51.33	103%	103%	OK
	PCB105	1235981	2471617	0.983	50.871	102%	102%	OK
	PCB118	1287352	2571970	0.972	51.489	103%	103%	OK
	PCB126	1343683	2642334	1.001	50.793	102%	102%	OK
	PCB156/157	3081355	5537304	1.128	98.705	99%	99%	OK
	PCB169	1499260	2832735	1.067	49.586	99%	99%	OK
	PCB189	1084817	2490628	0.868	50.196	100%	100%	OK
	PCB206	716362	1491192	0.862	55.739	111%	111%	OK
	PCB209	788197	1863269	0.812	52.099	104%	104%	OK
	13C12-PCB037 (52L)	2670360.3	1779207	1.817	82.592	83%	83%	OK
	13C12-PCB081 (101L)	2701909.3	1683880	1.632	98.338	98%	98%	OK
	13C12-PCB118 (101L)	2571969.5	1683880	1.473	103.684	104%	104%	OK
	13C12-PCB169 (138L)	2832735.1	2122904	1.262	105.725	106%	106%	OK
	13C12-PCB206 (194L)	1491192.4	1687165	0.796	110.977	111%	111%	OK

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					Raw Data Reported	%R	%R	
LCS	Compound	Area	Area of IS	Ave. RRF	LCS Conc.	Reported	Calculated	Check
WG2180473-2 12/3/15 12:24 File ID: 5-151203A03	PCB037	202094	484411	0.940	887.325	89%	89%	OK
	PCB077	245412	512316	1.021	938.589	94%	94%	OK
	PCB081	250824	475495	1.027	1027.465	103%	103%	OK
	PCB105	230706	444639	0.983	1055.645	106%	106%	OK
	PCB118	238732	444304	0.972	1105.460	111%	111%	OK
	PCB126	237110	443152	1.001	1068.685	107%	107%	OK
	PCB156/157	494005	860496	1.128	2036.615	102%	102%	OK
	PCB169	232431	439410	1.067	991.155	99%	99%	OK
	PCB189	181090	340004	0.868	1227.605	123%	123%	OK
	PCB206	105268	214198	0.862	1140.446	114%	114%	OK
	PCB209	98698	219222	0.812	1108.988	111%	111%	OK
	13C12-PCB037 (52L)	484410.5	894235	1.817	1192.378	60%	60%	OK
	13C12-PCB081 (101L)	475495	824069	1.632	1414.501	71%	71%	OK
	13C12-PCB118 (101L)	444303.9	824069	1.473	1463.982	73%	73%	OK
	13C12-PCB169 (138L)	439410.4	946499	1.262	1471.334	74%	74%	OK
	13C12-PCB206 (194L)	214197.8	772728	0.796	1392.211	70%	70%	OK

					Raw Data Reported	%R	%R	
LCS	Compound	Area	Area of IS	Ave. RRF	LCS Conc.	Reported	Calculated	Check
WG2181741-2 12/4/15 20:48 File ID: 5-151204A16	PCB037	154773	373974	0.940	880.232	88%	88%	OK
	PCB077	182204	371509	1.021	960.960	96%	96%	OK
	PCB081	183462	340265	1.027	1050.203	105%	105%	OK
	PCB105	168511	316639	0.983	1082.756	108%	108%	OK
	PCB118	177067	326876	0.972	1114.467	111%	111%	OK
	PCB126	176299	323211.8	1.001	1089.651	108%	109%	OK
	PCB156/157	358318	617909	1.128	2057.171	103%	103%	OK
	PCB169	171960	315287	1.067	1021.973	102%	102%	OK
	PCB189	143589	289155	0.868	1144.554	114%	114%	OK
	PCB206	85838	171052	0.862	1164.521	116%	116%	OK
	PCB209	103421	223889	0.812	1137.828	114%	114%	OK
	13C12-PCB037 (52L)	373974.1	673576	1.817	1222.100	61%	61%	OK
	13C12-PCB081 (101L)	340264.6	588633	1.632	1417.075	71%	71%	OK
	13C12-PCB118 (101L)	326876	588633	1.473	1507.846	75%	75%	OK
	13C12-PCB169 (138L)	315286.5	630698	1.262	1584.326	79%	79%	OK
	13C12-PCB206 (194L)	171051.8	512332	0.796	1676.845	84%	84%	OK

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					Raw Data Reported	%R	%R	
LCS	Compound	Area	Area of IS	Ave. RRF	LCS Conc.	Reported	Calculated	Check
WG2182793-2	PCB037	210244	514241	0.940	869.558	87%	87%	OK
12/7/15 16:19	PCB077	279058	563778	1.021	969.847	97%	97%	OK
File ID:n 5-151207C03	PCB081	271145	514710	1.027	1026.083	103%	103%	OK
	PCB105	259668	490391	0.983	1077.310	108%	108%	OK
	PCB118	262914	497396	0.972	1087.490	109%	109%	OK
	PCB126	256870	479933	1.001	1069.199	103%	107%	OK
	PCB156/157	561676.2	962307	1.128	2070.611	104%	104%	OK
	PCB169	254892.3	476042	1.067	1003.299	100%	100%	OK
	PCB189	202981	405012	0.868	1155.142	116%	116%	OK
	PCB206	128393	243371	0.862	1224.245	122%	122%	OK
	PCB209	52778	116579	0.812	1115.153	112%	112%	OK
	13C12-PCB037 (52L)	514241.1	1398481	1.817	809.398	40%	40%	OK
	13C12-PCB081 (101L)	514709.7	1224395	1.632	1030.533	52%	52%	OK
	13C12-PCB118 (101L)	497395.7	1224395	1.473	1103.062	55%	55%	OK
	13C12-PCB169 (138L)	476041.7	1310028	1.262	1151.663	58%	58%	OK
	13C12-PCB206 (194L)	243370.6	920933	0.796	1327.263	66%	66%	OK

					Volume	Calculated Final Concentration (pg/L)	Reported Final Concentration (pg/L)
Method Blank	Compound	Area	Area of IS	Ave. RRF	(L)		
WG2180473-1 12/3/15 13:43 File ID: 5-151203A05	PCB037	716.5	391639.2	0.940	2.5	1.6	1.56 JM
	PCB077	0		1.021	2.5		<0.32
	PCB081	0		1.027	2.5		<0.34
	PCB105	303.9	361237.3	0.983	2.5	0.7	0.59 MJR
	PCB118	606.1	372050.2	0.972	2.5	1.3	1.34 J
	PCB126	0		1.001	2.5		<0.24
	PCB156/157	191.8	725918.6	1.128	2.5	0.4	0.376 MJ
	PCB169	0		1.067	2.5		<0.18
	PCB189	0		0.868	2.5		<0.23
	PCB206	0		0.862	2.5		<0.77
	PCB209	515.2	214550.3	0.812	2.5	2.4	2.36 J
	13C12-PCB037 (52L)	391639.2	794137.9	1.817	2.5	54%	54%
	13C12-PCB081 (101L)	390519.5	732731.2	1.632	2.5	65%	65%
	13C12-PCB118 (101L)	372050.2	732731.2	1.473	2.5	69%	69%
	13C12-PCB169 (138L)	375024.5	826188.1	1.262	2.5	72%	72%
	13C12-PCB206 (194L)	192555	687514.8	0.796	2.5	70%	70%

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Method Blank	Compound	Area	Area of IS	Ave. RRF	Volume (L)	Calculated Final Concentration	Reported Final Concentration	
						(pg/L)	(pg/L)	
WG2181741-1 12/4/15 22:07 File ID: 5-15120A18	PCB037	0	435799.7	0.940	2.5	0.000	<0.060	
	PCB077	0	455924.5	1.021	2.5	0.000	<0.038	
	PCB081	0	411166.6	1.027	2.5	0.000	<0.40	
	PCB105	0	382905.1	0.983	2.5	0.000	<0.44	
	PCB118	494.9	390669.3	0.972	2.5	1.043	1.040	
	PCB126	0	407484.7	1.001	2.5	0.000	<0.40	
	PCB156/157	0	768931.5	1.128	2.5	0.000	<0.23	
	PCB169	0	393305.3	1.067	2.5	0.000	<0.19	
	PCB189	0	353601.9	0.868	2.5	0.000	<0.24	
	PCB206	0	212165	0.862	2.5	0.000	<0.68	
	PCB209	453.8	270819.2	0.812	2.5	1.651	1.5 JR	
	13C12-PCB037 (52L)	435799.7	891293	1.817	2.5	54%	54	
	13C12-PCB081 (101L)	411166.6	791858.1	1.632	2.5	64%	64	
	13C12-PCB118 (101L)	390669.3	791858.1	1.473	2.5	67%	67	
	13C12-PCB169 (138L)	393305.3	851602.3	1.262	2.5	73%	73	
	13C12-PCB206 (194L)	212165	685455.1	0.796	2.5	78%	78	
Method Blank	Compound	Area	Area of IS	Ave. RRF	Volume (L)	Calculated Final Concentration	Reported Final Concentration	Check
						(pg/L)	(pg/L)	
WG2182793-1 12/7/15 17:38 File ID: 5-151207C05	PCB037	353.9	291406.2	0.940	2.5	1.035	1.04 MJ	OK
	PCB077	289.8	294336.6	1.021	2.5	0.779	0.780	OK
	PCB081	193.8	259028.7	1.027	2.5	0.584	<0.62 MU	OK
	PCB105	0	236476	0.983	2.5	0.000	<0.59	OK
	PCB118	383.1	237729	0.972	2.5	1.326	1.2 MJR	OK
	PCB126	0	228374.8	1.001	2.5	0.000	<0.59	OK
	PCB156/157	292.2	456833.9	1.128	2.5	0.907	0.908 MJ	OK
	PCB169	190.7	216400.8	1.067	2.5	0.660	0.66 MJ1	OK
	PCB189	0	173423.3	0.868	2.5	0.000	<0.48	OK
	PCB206	0	95932.5	0.862	2.5	0.000	<1.9	OK
	PCB209	107.5	59153.1	0.812	2.5	1.790	1.5 MJR	OK
	13C12-PCB037 (52L)	291406.2	1589293.9	1.817	2.5	20%	20	OK
	13C12-PCB081 (101L)	259028.7	1409204.4	1.632	2.5	23%	23	OK
	13C12-PCB118 (101L)	237729	1409204.4	1.473	2.5	23%	23	OK
	13C12-PCB169 (138L)	216400.8	1514448.8	1.262	2.5	23%	23	OK
	13C12-PCB206 (194L)	95932.5	1029328.3	0.796	2.5	23%	23	OK

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Client Sample	Compound	Area	Area of IS	Ave. RRF	Calculated Final Concentration (pg/L)	Form 1 Reported Concentration (pg/L)	RL/EMPC
L1678771-1	PCB037	389	300861.4	0.940	1.054	1.05 MJB	0.43
5-151203A10	PCB077	0	365138.9	1.021	0.000	<0.30	0.3
12/3/2015 17:00	PCB081	0	326913.3	1.027	0.000	<0.33	0.33
BA7B-WO5-0915-1	PCB105	309.57	312029.4	0.983	0.773	0.40 MJR	0.4
	PCB118	369.3	316848.4	0.972	0.919	0.83 MJR	0.83
	PCB126	0	321437.6	1.001	0.000	<0.20	0.2
	PCB156/157	0	644077.8	1.128	0.000	<0.16	0.16
	PCB169	0	333305.4	1.067	0.000	<0.13	0.13
	PCB189	0	304582.6	0.868	0.000	<0.18	0.18
	PCB206	0	177585.3	0.862	0.000	<0.88	0.88
	PCB209	385.3	225029	0.812	1.616	1.62 JB	0.18
	13C12-PCB037 (52L)	300861.4	830526.3	1.817	40%	40%	
	13C12-PCB081 (101L)	326913.3	756332.2	1.632	53%	53%	
	13C12-PCB118 (101L)	316848.4	756332.2	1.473	57%	57%	
	13C12-PCB169 (138L)	333305.4	873568.8	1.262	60%	61%	
	13C12-PCB206 (194L)	177585.3	738024.9	0.796	60%	60%	

Client Sample	Compound	Area	Area of IS	Ave. RRF	Calculated Final Concentration (pg/L)	Form 1 Reported Concentration (pg/L)	RL/EMPC
L1678771-2	PCB037	519.4	297191.2	0.940	1.452	1.45 MJB	0.42
5-151203A11	PCB077	0	407308	1.021	0.000	<0.29	0.29
12/3/2015 17:40	PCB081	0	363448.4	1.027	0.000	<0.31	0.31
BA7B-WO75-0915-1	PCB105	355.6	353613.7	0.983	0.799	0.801 J	0.17
	PCB118	750.5	355517.8	0.972	1.697	1.7 JB	0.16
	PCB126	0	367105.3	1.001	0.000	<0.16	0.16
	PCB156/157	116.2	751515.6	1.128	0.214	0.15 MJR	0.15
	PCB169	0	391081.1	1.067	0.000	<0.11	0.11
	PCB189	0	353877.3	0.868	0.000	<0.17	0.17
	PCB206	0	209640.1	0.862	0.000	<0.75	0.75
	PCB209	396.4	265779	0.812	1.435	1.43 JB	0.15
	13C12-PCB037 (52L)	297191.2	805401.6	1.817	40.6%	41%	
	13C12-PCB081 (101L)	363448.4	756700.7	1.632	58.9%	59%	
	13C12-PCB118 (101L)	355517.8	756700.7	1.473	63.8%	64%	
	13C12-PCB169 (138L)	391081.1	865197.1	1.262	71.6%	72%	
	13C12-PCB206 (194L)	209640.1	727645.4	0.796	72.4%	72%	

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Client Sample	Compound	Area	Area of IS	Ave. RRF	Calculated Final Concentration (pg/L)	Form 1 Reported Concentration (pg/L)	RL/EMPC
L1678771-3	PCB037	557.7	310680.3	0.940	1.474	1.47 MJB	0.44
5-151203A12	PCB077	0	355830.8	1.021	0.000	<0.33	0.33
12/3/2015 18:19	PCB081	0	322175.6	1.027	0.000	<0.35	0.35
BA7B-WO145-0915-1	PCB105	988.7	299606.9	0.983	2.592	2.3 MJR	2.3
	PCB118	1952.9	308977.3	0.972	5.021	5.02 JB	0.19
	PCB126	0	305780.1	1.001	0.000	<0.20	0.2
	PCB156/157	179.4	616690.7	1.128	0.398	0.398 MJB	0.2
	PCB169	0	321383.7	1.067	0.000	<0.16	0.16
	PCB189	0	294019.1	0.868	0.000	<0.19	0.19
	PCB206	0	175312.3	0.862	0.000	<0.76	0.76
	PCB209	456.3	84625.6	0.812	5.128	5.13 JB	0.51
	13C12-PCB037 (52L)	310680.3	832401.6	1.817	41.1%	41%	
	13C12-PCB081 (101L)	322175.6	779072.5	1.632	50.7%	51%	
	13C12-PCB118 (101L)	308977.3	779072.5	1.473	53.8%	54%	
	13C12-PCB169 (138L)	321383.7	890642.5	1.262	57.2%	57%	
	13C12-PCB206 (194L)	175312.3	750410.9	0.796	58.7%	59%	

Client Sample	Compound	Area	Area of IS	Ave. RRF	Calculated Final Concentration (pg/L)	Form 1 Reported Concentration (pg/L)	RL/EMPC
L1678771-4	PCB037	499.8	285177.9	0.940	1.434	1.2 MJR	1.2
5-151203A13	PCB077	135.7	338481.7	1.021	0.302	0.304 MJ	0.3
12/3/2015 18:59	PCB081	0	307668.2	1.027	0.000	<0.31	0.31
BA6C-WO55-0915-1	PCB105	570.2	287470.8	0.983	1.552	1.55 J	0.17
	PCB118	1439.4	294776.5	0.972	3.864	3.87 JB	0.16
	PCB126	0	294172.5	1.001	0.000	<0.17	0.17
	PCB156/157	134	578873.4	1.128	0.316	0.29 MJR	0.29
	PCB169	0	309953.5	1.067	0.000	<0.13	0.13
	PCB189	0	282189.8	0.868	0.000	<0.19	0.19
	PCB206	0	168312	0.862	0.000	<0.66	0.66
	PCB209	483.8	214539.2	0.812	2.136	2.13 JB	0.19
	13C12-PCB037 (52L)	285177.9	825284.2	1.817	38.0%	38%	
	13C12-PCB081 (101L)	307668.2	780963.8	1.632	48.3%	48%	
	13C12-PCB118 (101L)	294776.5	780963.8	1.473	51.2%	51%	
	13C12-PCB169 (138L)	309953.5	898097.5	1.262	54.7%	55%	
	13C12-PCB206 (194L)	168312	768095.6	0.796	55.1%	55%	

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Client Sample	Compound	Area	Area of IS	Ave. RRF	Calculated Final Concentration	Form 1 Reported Concentration	RL/EMPC
					(pg/L)	(pg/L)	
L1678771-5	PCB037	592.4	500744.1	0.940	0.975	0.78 JR	0.78
5-151204A19	PCB077	0	542967.2	1.021	0.000	<0.31	0.31
12/4/2015 22:46	PCB081	0	503775.1	1.027	0.000	<0.32	0.32
BA7BC-WO5-0915-1	PCB105	313.7	471997.3	0.983	0.524	0.523 J	0.29
	PCB118	779.7	484238.6	0.972	1.284	1.2 MJR	1.2
	PCB126	0	490840.8	1.001	0.000	<0.29	0.29
	PCB156/157	0	931633.5	1.128	0.000	<0.20	0.2
	PCB169	0	481995.9	1.067	0.000	<0.16	0.16
	PCB189	0	445005.2	0.868	0.000	<0.17	0.17
	PCB206	0	268431.6	0.862	0.000	<0.50	0.5
	PCB209	543.7	333667.2	0.812	1.556	1.55 JB	0.14
	13C12-PCB037 (52L)	500744.1	985568.8	1.817	55.9%	56%	
	13C12-PCB081 (101L)	503775.1	887078	1.632	69.6%	70%	
	13C12-PCB118 (101L)	484238.6	887078	1.473	74.1%	74%	
	13C12-PCB169 (138L)	481995.9	957198.1	1.262	79.8%	80%	
	13C12-PCB206 (194L)	268431.6	777364.4	0.796	86.8%	87%	

Client Sample	Compound	Area	Area of IS	Ave. RRF	Calculated Final Concentration	Form 1 Reported Concentration	RL/EMPC
					(pg/L)	(pg/L)	
L1678771-6	PCB037	794.5	373049.5	0.940	1.742	1.75 MJB	0.67
5-151204A20	PCB077	0	407092.9	1.021	0.000	<0.37	0.37
12/4/2015 23:26	PCB081	0	372480.9	1.027	0.000	<0.39	0.39
BA7BC-WO50-0915-1	PCB105	407.71	348278.3	0.983	0.916	0.91 JR	0.91
	PCB118	1392.7	350868.8	0.972	3.141	2.6 MJR	2.6
	PCB126	0	353488.8	1.001	0.000	<0.31	0.31
	PCB156/157	158.5	669717.3	1.128	0.323	0.24 JR	0.24
	PCB169	0	343249.8	1.067	0.000	<0.18	0.18
	PCB189	0	295051.3	0.868	0.000	<0.26	0.26
	PCB206	0	182805.7	0.862	0.000	<0.84	0.84
	PCB209	510	235120	0.812	2.055	2.05 JB	0.18
	13C12-PCB037 (52L)	373049.5	850120.2	1.817	48.3%	48%	
	13C12-PCB081 (101L)	372480.9	746216.9	1.632	61.2%	61%	
	13C12-PCB118 (101L)	350868.8	746216.9	1.473	63.8%	64%	
	13C12-PCB169 (138L)	343249.8	812408.5	1.262	67.0%	67%	
	13C12-PCB206 (194L)	182805.7	650444.4	0.796	70.6%	71%	

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Client Sample	Compound	Area	Area of IS	Ave. RRF	Calculated Final Concentration	Form 1 Reported Concentration	RL/EMPC
					(pg/L)	(pg/L)	
L1678771-7	PCB037	1089.3	498381.7	0.940	1.781	1.79 JB	0.46
5-151204A21	PCB077	423.2	539745.6	1.021	0.589	0.52 MJR	0.52
12/5/2015 0:05	PCB081	0	539745.6	1.027	0.000	<0.31	0.31
BA7BC-WO95-0915-1	PCB105	1715.8	499645.5	0.983	2.677	2.94 J	0.22
	PCB118	4374.6	480017.9	0.972	7.184	7.18 JB	0.21
	PCB126	0	471060.4	1.001	0.000	<0.22	0.22
	PCB156/157	271.26	886227.1	1.128	0.416	0.42 JR	0.42
	PCB169	0	457286.9	1.067	0.000	<0.13	0.13
	PCB189	0	415958.6	0.868	0.000	<0.17	0.17
	PCB206	0	251227.1	0.862	0.000	<0.56	0.56
	PCB209	443.1	78028.5	0.812	5.359	5.36 JB	0.63
	13C12-PCB037 (52L)	498381.7	1039509.9	1.817	52.8%	53%	
	13C12-PCB081 (101L)	539745.6	945741.8	1.632	69.9%	65%	
	13C12-PCB118 (101L)	480017.9	945741.8	1.473	68.9%	69%	
	13C12-PCB169 (138L)	457286.9	1002453.1	1.262	72.3%	72%	
	13C12-PCB206 (194L)	251227.1	812515.8	0.796	77.7%	78%	

Client Sample	Compound	Area	Area of IS	Ave. RRF	Calculated Final Concentration	Form 1 Reported Concentration	RL/EMPC
					(pg/L)	(pg/L)	
L1678771-8	PCB037	745.6	547593.3	0.940	1.114	1.12 JB	0.35
5-151204A22	PCB077	0	578843.2	1.021	0.000	<0.26	0.26
12/5/2015 0:45	PCB081	0	533179.8	1.027	0.000	<0.26	0.26
BA8B-WO5-0915-1	PCB105	284	484948.5	0.983	0.458	0.40 MJR	0.4
	PCB118	725.9	492037	0.972	1.167	1.17 MJB	0.21
	PCB126	0	509847	1.001	0.000	<0.22	0.22
	PCB156/157	191	956006.8	1.128	0.273	0.24 JR	0.24
	PCB169	0	491078	1.067	0.000	<0.12	0.12
	PCB189	0	442359.4	0.868	0.000	<0.17	0.17
	PCB206	0	268039	0.862	0.000	<0.58	0.58
	PCB209	437.9	88022	0.812	4.713	4.71 JB	0.55
	13C12-PCB037 (52L)	547593.3	1027753.9	1.817	58.6%	59%	
	13C12-PCB081 (101L)	533179.8	927606.7	1.632	70.4%	70%	
	13C12-PCB118 (101L)	492037	927606.7	1.473	72.0%	72%	
	13C12-PCB169 (138L)	956006.8	1009454.3	1.262	150.1%	77%	
	13C12-PCB206 (194L)	268039	812307.1	0.796	82.9%	83%	

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Client Sample	Compound	Area	Area of IS	Ave. RRF	Calculated Final Concentration	Form 1 Reported Concentration	RL/EMPC
					(pg/L)	(pg/L)	
L1678771-9	PCB037	412.2	394063	0.940	0.859	0.681 MJB	0.55
5-151204A23	PCB077	0	424870.5	1.021	0.000	<0.31	0.31
12/5/2015 1:24	PCB081	0	392388.7	1.027	0.000	<0.32	0.32
BA8B-WO75-0915-1	PCB105	319.3	375257.4	0.983	0.668	0.60 MJR	0.6
	PCB118	871.9	385826.8	0.972	1.795	1.7 JR	1.7
	PCB126	0	403389.6	1.001	0.000	<0.23	0.23
	PCB156/157	175	773681.3	1.128	0.310	0.22 JR	0.22
	PCB169	0	398570.9	1.067	0.000	<0.15	0.15
	PCB189	0	359196.1	0.868	0.000	<0.17	0.17
	PCB206	0	225607.9	0.862	0.000	<0.61	0.61
	PCB209	417.7	163883.1	0.812	2.424	2.42 MJB	0.32
	13C12-PCB037 (52L)	394063	1057416.2	1.817	41.0%	41%	
	13C12-PCB081 (101L)	392388.7	945029.1	1.632	50.9%	51%	
	13C12-PCB118 (101L)	385826.8	945029.1	1.473	55.4%	55%	
	13C12-PCB169 (138L)	398570.9	398570.9	1.262	158.5%	61%	
	13C12-PCB206 (194L)	225607.9	827979.3	0.796	68.5%	68%	

Client Sample	Compound	Area	Area of IS	Ave. RRF	Calculated Final Concentration	Form 1 Reported Concentration	RL/EMPC
					(pg/L)	(pg/L)	
L1678771-10	PCB037	637.5	512050.3	0.940	1.007	1.01 JB	0.33
5-151204A24	PCB077	0	571006.7	1.021	0.000	<0.28	0.28
12/5/2015 2:04	PCB081	0	519913.1	1.027	0.000	<0.29	0.29
BA8B-WO145-0915-1	PCB105	1177.7	506051	0.983	1.800	1.80 MJ	0.21
	PCB118	2495.6	514060.7	0.972	3.798	3.80 JB	0.2
	PCB126	0	539471	1.001	0.000	<0.20	0.2
	PCB156/157	180.32	1000774.1	1.128	0.243	0.24 JR	0.24
	PCB169	0	529023.1	1.067	0.000	<0.099	0.099
	PCB189	0	488199.7	0.868	0.000	<0.15	0.15
	PCB206	0	297176.6	0.862	0.000	<0.46	0.46
	PCB209	637.2	373814.5	0.812	1.596	1.60 JB	0.11
	13C12-PCB037 (52L)	512050.3	1105805.7	1.817	51.0%	51%	
	13C12-PCB081 (101L)	519913.1	996059.6	1.632	64.0%	64%	
	13C12-PCB118 (101L)	514060.7	996059.6	1.473	70.1%	70%	
	13C12-PCB169 (138L)	529023.1	1065865.5	1.262	78.7%	79%	
	13C12-PCB206 (194L)	297176.6	863202.3	0.796	86.5%	87%	

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Client Sample	Compound	Area	Area of IS	Ave. RRF	Calculated Final Concentration	Form 1 Reported Concentration	RL/EMPC
					(pg/L)	(pg/L)	
L1678771-11	PCB037	672	550734.4	0.940	1.010	0.86 JR	0.86
5-151204A25	PCB077	0	607999.7	1.021	0.000	<0.27	0.27
12/5/2015 2:43	PCB081	0	557948.7	1.027	0.000	<0.27	0.27
BA8B-WO145-0915-1	PCB105	457.5	514963.3	0.983	0.703	0.65 JR	0.65
	PCB118	581.8	541802.4	0.972	0.860	0.860 JB	0.16
	PCB126	0	551775.7	1.001	0.000	<0.16	0.16
	PCB156/157	0	1029321.4	1.128	0.000	<0.18	0.18
	PCB169	0	526597.3	1.067	0.000	<0.14	0.14
	PCB189	0	490813.5	0.868	0.000	<0.12	0.12
	PCB206	0	288088.6	0.862	0.000	<0.56	0.56
	PCB209	533.5	136295.5	0.812	3.751	3.3 JR	3.3
	13C12-PCB037 (52L)	550734.4	1046193.1	1.817	57.9%	58%	
	13C12-PCB081 (101L)	557948.7	950573.9	1.632	71.9%	72%	
	13C12-PCB118 (101L)	541802.4	950573.9	1.473	77.4%	77%	
	13C12-PCB169 (138L)	526597.3	1034656.8	1.262	80.7%	81%	
	13C12-PCB206 (194L)	288088.6	838799.8	0.796	86.3%	86%	

Client Sample	Compound	Area	Area of IS	Ave. RRF	Calculated Final Concentration	Form 1 Reported Concentration	RL/EMPC
					(pg/L)	(pg/L)	
L1678771-12	PCB037	316	504953.3	0.940	0.518	0.52 MJR	0.52
5-151204A26	PCB077	0	555407.7	1.021	0.000	<0.23	0.23
12/5/2015 3:23	PCB081	0	510793.8	1.027	0.000	<0.24	0.24
BA8BC-WO50-0915-1	PCB105	643.8	489506.9	0.983	1.041	0.96 MJR	0.96
	PCB118	1166.8	496104.2	0.972	1.883	1.88 MJB	0.13
	PCB126	0	509738.1	1.001	0.000	<0.13	0.13
	PCB156/157	194	948343.7	1.128	0.282	0.25 JR	0.25
	PCB169	0	493594.2	1.067	0.000	<0.12	0.12
	PCB189	0	403767.8	0.868	0.000	<0.13	0.13
	PCB206	0	273285.3	0.862	0.000	<0.51	0.51
	PCB209	579.3	323759.9	0.812	1.715	1.72 J	0.12
	13C12-PCB037 (52L)	504953.3	1062670.7	1.817	52.3%	52%	
	13C12-PCB081 (101L)	510793.8	960047	1.632	65.2%	65%	
	13C12-PCB118 (101L)	496104.2	960047	1.473	70.2%	70%	
	13C12-PCB169 (138L)	493594.2	1057721.8	1.262	74.0%	74%	
	13C12-PCB206 (194L)	273285.3	830789.2	0.796	82.6%	83%	

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Client Sample	Compound	Area	Area of IS	Ave. RRF	Calculated	Form 1	RL/EMPC
					Final Concentration	Reported Concentration	
					(pg/L)	(pg/L)	
L1678771-13	PCB037	442.8	308514.6	0.940	1.192	1.1 MJR	1.1
5-151204A27	PCB077	0	330804.6	1.021	0.000	<0.42	0.42
12/5/2015 4:02	PCB081	0	311515.3	1.027	0.000	<0.41	0.41
BA8BC-W095-0915-1	PCB105	744.3	293971.4	0.983	2.012	2.0	0.26
	PCB118	2094.7	308260.8	0.972	5.461	5.46	0.25
	PCB126	0	309797.5	1.001	0.000	<0.25	0.25
	PCB156/157	256.93	571119.5	1.128	0.623	0.40 JR	0.4
	PCB169	0	297695.6	1.067	0.000	<0.16	0.16
	PCB189	0	267172.7	0.868	0.000	<0.28	0.28
	PCB206	0	163905.5	0.862	0.000	<0.86	0.86
	PCB209	386	209874.2	0.812	1.770	1.8	0.22
	13C12-PCB037 (52L)	308514.6	794304	1.817	42.8%	43%	
	13C12-PCB081 (101L)	311515.3	709401.4	1.632	53.8%	54%	
	13C12-PCB118 (101L)	308260.8	709401.4	1.473	59.0%	59%	
	13C12-PCB169 (138L)	297695.6	769864.8	1.262	61.3%	61%	
	13C12-PCB206 (194L)	163905.5	601589.6	0.796	68.5%	68%	
Client Sample	Compound	Area	Area of IS	Ave. RRF	Calculated	Form 1	RL/EMPC
					Final Concentration	Reported Concentration	
					(pg/L)	(pg/L)	
L1678771-14	PCB037	277.24	607093.6	0.940	0.376	0.38 MJR	0.38
5-151204A28	PCB077	0	662900.3	1.021	0.000	<0.19	0.19
12/5/2015 4:42	PCB081	0	602658.8	1.027	0.000	<0.20	0.2
BA8C-W05-0915-1	PCB105	222.11	566576.9	0.983	0.309	0.31 JR	0.31
	PCB118	601.9	578439.1	0.972	0.830	0.829	0.12
	PCB126	0	598903.1	1.001	0.000	<0.12	0.12
	PCB156/157	0	1098878.7	1.128	0.000	<0.12	0.12
	PCB169	0	575169	1.067	0.000	<0.094	0.094
	PCB189	0	504916.2	0.868	0.000	<0.12	0.12
	PCB206	0	315376.5	0.862	0.000	<0.50	0.5
	PCB209	622	401611.8	0.812	1.479	1.5	0.12
	13C12-PCB037 (52L)	607093.6	1212788.6	1.817	55.1%	55%	
	13C12-PCB081 (101L)	602658.8	1097956	1.632	67.3%	67%	
	13C12-PCB118 (101L)	602658.8	1097956	1.473	74.5%	72%	
	13C12-PCB169 (138L)	575169	1196266.4	1.262	76.2%	76%	
	13C12-PCB206 (194L)	315376.5	936996.7	0.796	84.6%	85%	

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Client Sample	Compound	Area	Area of IS	Ave. RRF	Calculated	Form 1	RL/EMPC
					Final Concentration	Reported Concentration	
L1678061-28	PCB037	617.4	384487.9	0.940	(pg/L) 1.329	(pg/L) 1.33 MJB	0.41
5-151203A06	PCB077	0	432726.8	1.021	0.000	<0.28	0.28
12/3/2015 14:22	PCB081	0	393899.2	1.027	0.000	<0.30	0.3
BA1B-WO5-0915-1	PCB105	496.7	364295	0.983	1.079	0.79 JR	0.79
	PCB118	1072.3	372622.2	0.972	2.304	2.30 JB	0.18
	PCB126	0	367059	1.001	0.000	<0.19	0.19
	PCB156/157	182.5	734919.3	1.128	0.343	0.342 MJB	0.19
	PCB169	0	384970.2	1.067	0.000	<0.15	0.15
	PCB189	0	335023.3	0.868	0.000	<0.19	0.19
	PCB206	0	209848.1	0.862	0.000	<0.76	0.76
	PCB209	395.4	217641.5	0.812	1.741	1.74 JB	0.2
	13C12-PCB037 (52L)	384487.9	786775.2	1.817	54%	54%	
	13C12-PCB081 (101L)	393899.2	734736.6	1.632	66%	66%	
	13C12-PCB118 (101L)	372622.2	734736.6	1.473	69%	69%	
	13C12-PCB169 (138L)	384970.2	820537.8	1.262	74%	74%	
	13C12-PCB206 (194L)	209848.1	682339.7	0.796	77%	77%	
Client Sample	Compound	Area	Area of IS	Ave. RRF	Calculated	Form 1	RL/EMPC
					Final Concentration	Reported Concentration	
L1678061-47	PCB037	511.8	456168.9	0.940	(pg/L) 0.914	(pg/L) 0.73 MJR	0.73
5-151203A07	PCB077	0	513891.9	1.021	0.000	<0.25	0.25
12/3/2015 15:02 PM	PCB081	0	469156.5	1.027	0.000	<0.26	0.26
BA1B-WO5-0915-1	PCB105	401.3	430823.4	0.983	0.726	0.728 J	0.15
	PCB118	733.8	440795.6	0.972	1.312	1.31 JB	0.14
	PCB126	0	437069.2	1.001	0.000	<0.15	0.15
	PCB156/157	105.6	864997	1.128	0.166	<0.17 MU	0.14
	PCB169	0	456116.8	1.067	0.000	<0.14	0.14
	PCB189	0	366768.9	0.868	0.000	<0.15	0.15
	PCB206	0	240988.5	0.862	0.000	<0.59	0.59
	PCB209	433.9	143145.8	0.812	2.861	2.6 MJR	2.6
	13C12-PCB037 (52L)	456168.9	808699.7	1.817	62.1%	62%	
	13C12-PCB081 (101L)	469156.5	745603.9	1.632	77.1%	77%	
	13C12-PCB118 (101L)	440795.6	745603.9	1.473	80.3%	80%	
	13C12-PCB169 (138L)	456116.8	848206.8	1.262	85.2%	85%	
	13C12-PCB206 (194L)	240988.5	708238.7	0.796	85.5%	85%	

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Client Sample	Compound	Area	Area of IS	Ave. RRF	Calculated Final Concentration	Form 1 Reported Concentration	RL/EMPC
					(pg/L)	(pg/L)	
L1678061-48	PCB037	762	420204.1	0.940	1.478	1.2 MJR	1.2
5-151203A08	PCB077	0	480464.3	1.021	0.000	<0.26	0.26
12/3/2015 15:41 PM	PCB081	0	433695.3	1.027	0.000	<0.29	0.29
BA1B-WO75-0915-1	PCB105	808.4	401951.6	0.983	1.568	1.4 MJR	1.4
	PCB118	1737.7	410094.9	0.972	3.340	3.34 KB	0.17
	PCB126	0	406696.9	1.001	0.000	<0.18	0.18
	PCB156/157	195.2	811347.4	1.128	0.327	0.28 MJR	0.28
	PCB169	0	425848.3	1.067	0.000	<0.15	0.15
	PCB189	0	379899.6	0.868	0.000	<0.21	0.21
	PCB206	0	225549.4	0.862	0.000	<0.64	0.64
	PCB209	511.8	216419.5	0.812	2.232	2.43 JB	0.18
	13C12-PCB037 (52L)	420204.1	821876.2	1.817	56.3%	56%	
	13C12-PCB081 (101L)	433695.3	762251.2	1.632	69.7%	70%	
	13C12-PCB118 (101L)	410094.9	762251.2	1.473	73.0%	73%	
	13C12-PCB169 (138L)	425848.3	869173.1	1.262	77.6%	78%	
	13C12-PCB206 (194L)	225549.4	725276.7	0.796	78.1%	78%	
Client Sample	Compound	Area	Area of IS	Ave. RRF	Calculated Final Concentration	Form 1 Reported Concentration	RL/EMPC
					(pg/L)	(pg/L)	
L1678061-49	PCB037	766	435180	0.940	1.440	1.44 MJB	0.38
5-151203A09	PCB077	0	481314	1.021	0.000	<0.26	0.26
12/3/2015 16:21 PM	PCB081	0	442981	1.027	0.000	<0.28	0.28
BA1B-WO145-0915-1	PCB105	727	402767	0.983	1.412	1.41 J	0.15
	PCB118	1416	417373	0.972	2.685	2.68 JB	0.14
	PCB126	0	407244	1.001	0.000	<0.15	0.15
	PCB156/157	212	827393	1.128	0.350	0.350 MJB	0.16
	PCB169	0	427662	1.067	0.000	<0.13	0.13
	PCB189	0	382678	0.868	0.000	<0.16	0.16
	PCB206	0	228384	0.862	0.000	<0.66	0.66
	PCB209	412	291420	0.812	1.339	1.1 MJR	1.1
	13C12-PCB037 (52L)	435180	776816	1.817	61.7%	62%	
	13C12-PCB081 (101L)	442981	719682	1.632	75.4%	75%	
	13C12-PCB118 (101L)	417373	719862	1.473	78.7%	79%	
	13C12-PCB169 (138L)	427662	815364	1.262	83.1%	83%	
	13C12-PCB206 (194L)	228384	677391	0.796	84.7%	85%	

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Client Sample	Compound	Area	Area of IS	Ave. RRF	Calculated Final Concentration (pg/L)	Form 1 Reported Concentration (pg/L)	RL/EMPC
L1678771-15	PCB037	824.8	532409.5	0.940	1.277	1.1 MJR	1.1
5-151209A21	PCB077	273.3	603271.8	1.021	0.344	0.32 JR	0.32
12/10/2015 0:17	PCB081	216.4	546984.6	1.027	0.299	0.298	0.25
BA8DC-W05-0915-1	PCB105	381.6	507743	0.983	0.593	0.53 JR	0.53
	PCB118	575.7	507384.9	0.972	0.905	0.903	0.26
	PCB126	0	519205.7	1.001	0.000	<0.25	0.25
	PCB156/157	312.2	1026238	1.128	0.418	0.416 MJ	0.17
	PCB169	223.3	525064.9	1.067	0.309	0.31 MJR	0.31
	PCB189	0	436755	0.868	0.000	<0.21	0.21
	PCB206	0	268856.5	0.862	0.000	<0.53	0.53
	PCB209	837.6	341800.3	0.812	2.339	2.340	0.13
	13C12-PCB037 (52L)	532409.5	1076727.2	1.817	54.4%	54%	
	13C12-PCB081 (101L)	546984.6	1015039.8	1.632	66.0%	66%	
	13C12-PCB118 (101L)	507384.9	1015039.8	1.473	67.9%	68%	
	13C12-PCB169 (138L)	525064.9	1128998.8	1.262	73.7%	74%	
	13C12-PCB206 (194L)	268856.5	831020.7	0.796	81.3%	81%	
Client Sample	Compound	Area	Area of IS	Ave. RRF	Calculated Final Concentration (pg/L)	Form 1 Reported Concentration (pg/L)	RL/EMPC
L1678771-16	PCB037	1716	904109	0.940	1.535	1.54 MJ	0.17
5-151209A22	PCB077	572.3	995955.5	1.021	0.428	0.433 MJ	0.14
12/10/2015 0:57	PCB081	0	907130.8	1.027	0.000	<0.15	0.15
BA8DC-W020-0915-1	PCB105	1005.1	825476.1	0.983	0.942	0.943	0.15
	PCB118	2143.2	835179	0.972	2.007	2.01 MJB	0.15
	PCB126	0	848751.9	1.001	0.000	<0.14	0.14
	PCB156/157	365.8	1663779.5	1.128	0.297	0.22 MJR	0.22
	PCB169	0	840053.6	1.067	0.000	0.78	0.78
	PCB189	0	668777.2	0.868	0.000	<0.12	0.12
	PCB206	0	444050.2	0.862	0.000	<0.33	0.33
	PCB209	992.3	523140.9	0.812	1.776	1.8	0.096
	13C12-PCB037 (52L)	904109	1847535.4	1.817	53.9%	54%	
	13C12-PCB081 (101L)	907130.8	1656617.2	1.632	67.1%	67%	
	13C12-PCB118 (101L)	835179	1656617.2	1.473	68.5%	68%	
	13C12-PCB169 (138L)	840053.6	1790923.2	1.262	74.3%	74%	
	13C12-PCB206 (194L)	444050.2	1284602.8	0.796	86.9%	87%	

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Client Sample	Compound	Area	Area of IS	Ave. RRF	Calculated Final Concentration (pg/L)	Form 1 Reported Concentration (pg/L)	RL/EMPC
L1678771-17	PCB037	953.8	559917.2	0.940	1.383	1.1 MJR	1.1
5-151209A23	PCB077	274.4	671413.7	1.021	0.306	0.309 MJ	0.19
12/10/2015 1:36	PCB081	0	603539.1	1.027	0.000	<0.21	0.21
BA8DC-W035-0915-1	PCB105	778.2	253255	0.983	2.386	1.07 MJ	0.29
	PCB118	2090.3	565205.1	0.972	2.904	2.7 JR	2.7
	PCB126	0	575471.3	1.001	0.000	<0.28	0.28
	PCB156/157	254.9	1136371.3	1.128	0.304	0.305 MJ	0.14
	PCB169	0	589942.9	1.067	0.000	<0.10	0.1
	PCB189	0	499195.1	0.868	0.000	<0.16	0.16
	PCB206	0	313397.1	0.862	0.000	<0.49	0.49
	PCB209	813.7	370386.7	0.812	2.065	2.1	0.13
	13C12-PCB037 (52L)	559917.2	1202158.8	1.817	391.350	51%	
	13C12-PCB081 (101L)	603539.1	1033841.1	1.632	71.5%	72%	
	13C12-PCB118 (101L)	565205.1	1033841.1	1.473	74.2%	74%	
	13C12-PCB169 (138L)	589942.9	1182386.5	1.262	79.1%	79%	
	13C12-PCB206 (194L)	313397.1	886821.9	0.796	88.8%	89%	
Client Sample	Compound	Area	Area of IS	Ave. RRF	Calculated Final Concentration (pg/L)	Form 1 Reported Concentration (pg/L)	RL/EMPC
L1678771-18	PCB037	356	231659.7	0.940	1.267	1.27 MJ	0.63
5-151209A24	PCB077	0	280582.6	1.021	0.000	<0.46	0.46
12/10/2015 2:16	PCB081	0	255682.9	1.027	0.000	<0.49	0.49
BA8DC-W038-0915-1	PCB105	570.4	253255	0.983	1.776	1.78 MJ	0.4
	PCB118	1062.8	251470	0.972	3.370	3.1 MJR	3.1
	PCB126	0	263350.1	1.001	0.000	<0.39	0.39
	PCB156/157	143.8	544399.7	1.128	0.363	0.364 MJ	0.29
	PCB169	0	279534.4	1.067	0.000	<0.23	0.23
	PCB189	0	248820.7	0.868	0.000	<0.33	0.33
	PCB206	0	173380.8	0.862	0.000	<0.70	0.7
	PCB209	539.2	222703.9	0.812	2.311	2.3	0.17
	13C12-PCB037 (52L)	231659.7	551419.1	1.817	46.2%	46%	
	13C12-PCB081 (101L)	255682.9	493946.1	1.632	63.4%	63%	
	13C12-PCB118 (101L)	251470	493946.1	1.473	69.1%	69%	
	13C12-PCB169 (138L)	279534.4	623277.5	1.262	71.1%	71%	
	13C12-PCB206 (194L)	173380.8	528110.6	0.796	82.5%	82%	

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Client Sample	Compound	Area	Area of IS	Ave. RRF	Calculated Final Concentration (pg/L)	Form 1 Reported Concentration (pg/L)	RL/EMPC
L1678771-19	PCB037	560.7	499511.1	0.940	0.933	0.934	0.269
5-151209A25	PCB077	0	561196.9	1.021	0.000	<0.20	0.2
12/10/2015 2:56	PCB081	0	509415.2	1.027	0.000	<0.21	0.21
BA9B-W05-0915-1	PCB105	244.3	474271.4	0.983	0.409	0.36 MJR	0.36
	PCB118	385.82	474846.1	0.972	0.653	0.65 MJR	0.65
	PCB126	0	492628.7	1.001	0.000	<0.20	0.2
	PCB156/157	0	964064.4	1.128	0.000	<0.19	0.19
	PCB169	0	480813.7	1.067	0.000	<0.15	0.15
	PCB189	0	395262.6	0.868	0.000	<0.23	0.23
	PCB206	0	256392.4	0.862	0.000	<0.53	0.53
	PCB209	663.4	298576.8	0.812	2.138	2.1	0.13
	13C12-PCB037 (52L)	499511.1	955592.1	1.817	57.5%	58%	
	13C12-PCB081 (101L)	509415.2	930745.7	1.632	67.1%	67%	
	13C12-PCB118 (101L)	474846.1	930745.7	1.473	69.3%	69%	
	13C12-PCB169 (138L)	480813.7	1047241.4	1.262	72.8%	73%	
	13C12-PCB206 (194L)	256392.4	735475.9	0.796	87.6%	88%	

Client Sample	Compound	Area	Area of IS	Ave. RRF	Calculated Final Concentration (pg/L)	Form 1 Reported Concentration (pg/L)	RL/EMPC
L1678771-20	PCB037	481.1	583730.4	0.940	0.685	0.54 MJR	0.54
5-151209A26	PCB077	248.7	698430.4	1.021	0.273	0.273	0.17
12/10/2015 3:35	PCB081	0	636831.1	1.027	0.000	<0.18	0.18
BA9B-W075-0915-1	PCB105	708.1	601400.3	0.983	0.936	0.85 JR	0.85
	PCB118	1639.7	584805.5	0.972	2.253	2.25 MJB	0.15
	PCB126	0	640801.7	1.001	0.000	<0.13	0.13
	PCB156/157	208.4	1238566.1	1.128	0.233	0.234	0.14
	PCB169	0	649273.9	1.067	0.000	<0.10	0.1
	PCB189	0	518659.5	0.868	0.000	<0.16	0.16
	PCB206	0	325259.7	0.862	0.000	<0.45	0.45
	PCB209	959.6	411698.2	0.812	2.243	2.240	0.09
	13C12-PCB037 (52L)	583730.4	1061416.5	1.817	60.5%	61%	
	13C12-PCB081 (101L)	636831.1	1041006.8	1.632	75.0%	75%	
	13C12-PCB118 (101L)	584805.5	1041006.8	1.473	76.3%	76%	
	13C12-PCB169 (138L)	649273.9	1247115.8	1.262	82.5%	83%	
	13C12-PCB206 (194L)	325259.7	917814.6	0.796	89.0%	89%	

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Client Sample	Compound	Area	Area of IS	Ave. RRF	Calculated Final Concentration (pg/L)	Form 1 Reported Concentration (pg/L)	RL/EMPC
L1678771-21	PCB037	888.42	617193	0.940	1.191	0.88 JR	0.88
5-151209A27	PCB077	218.3	656781.4	1.021	0.253	0.22 MJR	0.22
12/10/2015 4:15	PCB081	0	590656.6	1.027	0.000	<0.21	0.21
BA9B-W0145-0915-1	PCB105	808.8	549474.5	0.983	1.165	1.17 MJ	0.18
	PCB118	1755.8	543620.3	0.972	2.586	2.59	0.18
	PCB126	0	573411.1	1.001	0.000	<0.18	0.18
	PCB156/157	94.3	1116852.9	1.128	0.117	<0.13 MU	0.13
	PCB169	0	561826.5	1.067	0.000	<0.10	0.1
	PCB189	0	454408.5	0.868	0.000	<0.18	0.18
	PCB206	0	296819.2	0.862	0.000	<0.53	0.53
	PCB209	706.9	361477.4	0.812	1.874	1.9	0.098
	13C12-PCB037 (52L)	617193	1406550.2	1.817	48.3%	48%	
	13C12-PCB081 (101L)	590656.6	1216806.9	1.632	59.5%	59%	
	13C12-PCB118 (101L)	543620.3	1216806.9	1.473	60.7%	61%	
	13C12-PCB169 (138L)	561826.5	1333007.2	1.262	66.8%	67%	
	13C12-PCB206 (194L)	296819.2	945300	0.796	78.9%	79%	

Client Sample	Compound	Area	Area of IS	Ave. RRF	Calculated Final Concentration (pg/L)	Form 1 Reported Concentration (pg/L)	RL/EMPC
L1678771-22	PCB037	664.7	881910.8	0.940	0.624	0.626 MJ	0.16
5-151209A28	PCB077	0	950755.6	1.021	0.000	<0.13	0.13
12/10/2015 4:54	PCB081	0	863451.4	1.027	0.000	<0.14	0.14
BA9BC-W05-0915-1	PCB105	325.2	804922.9	0.983	0.320	0.319 MJ	0.11
	PCB118	598.9	795180.5	0.972	0.603	0.56 JR	0.56
	PCB126	0	830585.9	1.001	0.000	<0.11	0.11
	PCB156/157	0	1624496.3	1.128	0.000	<0.098	0.098
	PCB169	0	812577.3	1.067	0.000	<0.079	0.079
	PCB189	0	661569.8	0.868	0.000	<0.14	0.14
	PCB206	0	432976	0.862	0.000	<0.31	0.31
	PCB209	895.4	537593	0.812	1.596	1.6	0.067
	13C12-PCB037 (52L)	881910.8	1847692	1.817	52.5%	53%	
	13C12-PCB081 (101L)	863451.4	1648774.1	1.632	64.2%	64%	
	13C12-PCB118 (101L)	795180.5	1648774.1	1.473	65.5%	65%	
	13C12-PCB169 (138L)	812577.3	1814117	1.262	71.0%	71%	
	13C12-PCB206 (194L)	432976	1307161.6	0.796	83.2%	84%	

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Client Sample	Compound	Area	Area of IS	Ave. RRF	Calculated Final Concentration (pg/L)	Form 1 Reported Concentration (pg/L)	RL/EMPC
L1678771-23	PCB037	375.5	370610.5	0.940	0.830	0.66 MJR	0.66
5-151209A29	PCB077	0	381062	1.021	0.000	<0.34	0.34
12/10/2015 5:34	PCB081	0	350177.4	1.027	0.000	<0.36	0.36
BA9BC-W050-0915-1	PCB105	144.8	323446	0.983	0.351	.27 MJR	0.27
	PCB118	384.2	328275.6	0.972	0.928	0.73 MJR	0.73
	PCB126	0	308970.4	1.001	0.000	<0.27	0.27
	PCB156/157	0	626397.2	1.128	0.000	<0.24	0.24
	PCB169	0	293935.5	1.067	0.000	<0.20	0.2
	PCB189	0	239561.9	0.868	0.000	<0.36	0.36
	PCB206	0	158998.8	0.862	0.000	<0.95	0.95
	PCB209	422.3	199642	0.812	2.008	2.0	0.2
	13C12-PCB037 (52L)	370610.5	819822	1.817	49.8%	50%	
	13C12-PCB081 (101L)	350177.4	698960.9	1.632	61.4%	61%	
	13C12-PCB118 (101L)	328275.6	698960.9	1.473	63.8%	64%	
	13C12-PCB169 (138L)	293935.5	721953.4	1.262	64.5%	65%	
	13C12-PCB206 (194L)	158998.8	464012	0.796	86.1%	86%	

Client Sample	Compound	Area	Area of IS	Ave. RRF	Calculated Final Concentration (pg/L)	Form 1 Reported Concentration (pg/L)	RL/EMPC
L1678771-24	PCB037	301.51	471003.1	0.940	0.526	0.53 MJR	0.53
5-151209A30	PCB077	104.4	570724.4	1.021	0.138	<0.020 MU	0.2
12/10/2015 6:14	PCB081	0	517913.6	1.027	0.000	<0.21	0.21
BA9BC-W095-0915-1	PCB105	609.71	506437	0.983	0.946	0.64 JR	0.64
	PCB118	1320.9	497693.5	0.972	2.108	2.11 MJB	0.2
	PCB126	0	539166.3	1.001	0.000	<0.18	0.18
	PCB156/157	162.4	1053203.8	1.128	0.211	<0.16 MU	0.16
	PCB169	0	545079.5	1.067	0.000	<0.12	0.12
	PCB189	0	450802.7	0.868	0.000	<0.20	0.2
	PCB206	0	282920.2	0.862	0.000	<0.47	0.47
	PCB209	623.4	354087.6	0.812	1.674	1.7	0.11
	13C12-PCB037 (52L)	471003.1	974100.9	1.817	53.2%	53%	
	13C12-PCB081 (101L)	517913.6	899464.9	1.632	70.6%	71%	
	13C12-PCB118 (101L)	497693.5	899464.9	1.473	75.1%	75%	
	13C12-PCB169 (138L)	545079.5	1142558	1.262	75.6%	76%	
	13C12-PCB206 (194L)	282920.2	856677.3	0.796	83.0%	83%	

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Client Sample	Compound	Area	Area of IS	Ave. RRF	Calculated Final Concentration (pg/L)	Form 1 Reported Concentration (pg/L)	RL/EMPC
L1678771-25	PCB037	580.7	760634	0.940	0.620	0.622 MJ	0.2
5-151209A31	PCB077	0	805466	1.021	0.000	<0.14	0.14
12/10/2015 6:53	PCB081	0	750278.8	1.027	0.000	<0.15	0.15
BA9C-W05-0915-1	PCB105	208.2	690481.5	0.983	0.234	0.233 MJ	0.15
	PCB118	607	702937.5	0.972	0.678	0.679	0.15
	PCB126	0	697500.9	1.001	0.000	<0.14	0.14
	PCB156/157	0	1404586.3	1.128	0.000	<0.14	0.14
	PCB169	0	676300.8	1.067	0.000	<0.12	0.12
	PCB189	0	563200.1	0.868	0.000	<0.19	0.19
	PCB206	0	382467.4	0.862	0.000	<0.32	0.32
	PCB209	827.3	479570.8	0.812	1.622	1.6	0.075
	13C12-PCB037 (52L)	760634	1658342.5	1.817	50.5%	50%	
	13C12-PCB081 (101L)	750278.8	1482967.7	1.632	62.0%	62%	
	13C12-PCB118 (101L)	702937.5	1482967.7	1.473	64.4%	64%	
	13C12-PCB169 (138L)	676300.8	1618443.1	1.262	66.2%	66%	
	13C12-PCB206 (194L)	382467.4	1130699.2	0.796	85.0%	85%	

Client Sample	Compound	Area	Area of IS	Ave. RRF	Calculated Final Concentration (pg/L)	Form 1 Reported Concentration (pg/L)	RL/EMPC
L1678771-26	PCB037	408.2	352799.6	0.940	0.946	0.86 MJR	0.86
5-151209A32	PCB077	0	435675.4	1.021	0.000	<0.25	0.25
12/10/2015 7:35	PCB081	0	393179.4	1.027	0.000	<0.27	0.27
BA9C-W030-0915-1	PCB105	308.8	390599.7	0.983	0.619	0.619 MJ	0.24
	PCB118	588.1	387824.6	0.972	1.200	1.20 MJB	0.24
	PCB126	0	419378	1.001	0.000	<0.21	0.21
	PCB156/157	0	825267.7	1.128	0.000	<.19	0.19
	PCB169	0	421014.8	1.067	0.000	<0.15	0.15
	PCB189	0	352536.1	0.868	0.000	<0.27	0.27
	PCB206	0	225129.5	0.862	0.000	<0.58	0.58
	PCB209	612.4	280396.8	0.812	2.069	2.1	0.14
	13C12-PCB037 (52L)	352799.6	874345.8	1.817	44.4%	44%	
	13C12-PCB081 (101L)	393179.4	809068.4	1.632	59.6%	60%	
	13C12-PCB118 (101L)	387824.6	809068.4	1.473	65.1%	65%	
	13C12-PCB169 (138L)	421014.8	992552.3	1.262	67.2%	67%	
	13C12-PCB206 (194L)	225129.5	764761.6	0.796	74.0%	74%	

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Client Sample	Compound	Area	Area of IS	Ave. RRF	Calculated Final Concentration (pg/L)	Form 1 Reported Concentration (pg/L)	RL/EMPC
L1678771-27	PCB037	588.7	700363.2	0.940	0.696	0.696 MJB	0.38
5-151207C06	PCB077	0	775984.8	1.021	0.000	<0.22	0.22
12/7/2015 18:18	PCB081	0	711796.7	1.027	0.000	<0.23	0.23
BA9C-WO55-0915-1	PCB105	517.6	685574.9	0.983	0.598	0.6	0.16
	PCB118	1252.5	697560.8	0.972	1.437	1.44	0.16
	PCB126	0	682775.7	1.001	0.000	<0.16	0.16
	PCB156/157	342	1357986.3	1.128	0.348	0.32 MJR	0.32
	PCB169	0	654490.8	1.067	0.000	<0.12	0.12
	PCB189	0	541708.9	0.868	0.000	<0.14	0.14
	PCB206	0	311412.9	0.862	0.000	<0.54	0.54
	PCB209	51.86	75691.6	0.812	0.657	0.69 MJR	0.69
	13C12-PCB037 (52L)	700363.2	1602158.6	1.817	48.1%	48%	
	13C12-PCB081 (101L)	711796.7	1418946.4	1.632	61.5%	61%	
	13C12-PCB118 (101L)	697560.8	1418946.4	1.473	66.7%	67%	
	13C12-PCB169 (138L)	654490.8	1505792.7	1.262	68.9%	69%	
	13C12-PCB206 (194L)	311412.9	996433	0.796	78.5%	79%	

Client Sample	Compound	Area	Area of IS	Ave. RRF	Calculated Final Concentration (pg/L)	Form 1 Reported Concentration (pg/L)	RL/EMPC
L1678771-28	PCB037	506.1	502726.8	0.940	0.820	0.75 MJR	0.75
5-151207C07	PCB077	298.42	577162.7	1.021	0.388	<0.28 MU	0.28
12/7/2015 18:57	PCB081	0	527197	1.027	0.000	<0.29	<0.29
BA9C-WO58-0915-1	PCB105	435.8	510832.3	0.983	0.665	0.722	0.22
	PCB118	1022.6	513892	0.972	1.569	1.7	0.22
	PCB126	0	502459.8	1.001	0.000	<0.23	0.23
	PCB156/157	270.5	1027700.6	1.128	0.358	0.35 MJR	0.35
	PCB169	0	496380	1.067	0.000	<0.15	0.15
	PCB189	0	405895.6	0.868	0.000	<0.18	0.18
	PCB206	0	252371	0.862	0.000	<0.68	0.68
	PCB209	139.9	134799.8	0.812	0.979	0.96 MJR	0.96
	13C12-PCB037 (52L)	502726.8	1577041	1.817	35.1%	35%	
	13C12-PCB081 (101L)	527197	1387831.8	1.632	46.6%	47%	
	13C12-PCB118 (101L)	513892	1387831.8	1.473	50.3%	50%	
	13C12-PCB169 (138L)	496380	1486710.5	1.262	52.9%	53%	
	13C12-PCB206 (194L)	252371	984886.3	0.796	64.4%	64%	

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Client Sample	Compound	Area	Area of IS	Ave. RRF	Calculated Final Concentration (pg/L)	Form 1 Reported Concentration (pg/L)	RL/EMPC
L1678771-29	PCB037	314.9	484789.7	0.940	0.533	0.533 MJB	0.42
5-151207C08	PCB077	0	536561.1	1.021	0.000	<0.36	0.36
12/7/2015 19:37:00 PM	PCB081	0	489442.1	1.027	0.000	<0.36	0.36
W5-05-0915-1	PCB105	307.7	452942.6	0.983	0.534	0.5330	0.24
	PCB118	457.6	468390.8	0.972	0.776	0.7600	0.2
	PCB126	0	452065.2	1.001	0.000	<0.24	0.24
	PCB156/157	169.7	923303.1	1.128	0.252	0.22 MJR	0.22
	PCB169	98	440118.3	1.067	0.161	<0.15 MU	0.15
	PCB189	0	368642.7	0.868	0.000	<0.20	0.2
	PCB206	0	219825	0.862	0.000	<0.75	0.75
	PCB209	67.2	62200.4	0.812	1.027	0.93 MJR	0.93
	13C12-PCB037 (52L)	484789.7	1627099.9	1.817	32.8%	33%	
	13C12-PCB081 (101L)	489442.1	1435625.5	1.632	41.8%	42%	
	13C12-PCB118 (101L)	468390.8	1435625.5	1.473	44.3%	44%	
	13C12-PCB169 (138L)	440118.3	1529515.3	1.262	45.6%	46%	
	13C12-PCB206 (194L)	219825	1005302.6	0.796	54.9%	55%	

Client Sample	Compound	Area	Area of IS	Ave. RRF	Calculated Final Concentration (pg/L)	Form 1 Reported Concentration (pg/L)	RL/EMPC
L1678771-30	PCB037	305.18	431068.7	0.940	0.586	<0.66 MU	0.59
5-151207C09	PCB077	0	536493.3	1.021	0.000	<0.30	0.3
12/7/2015 20:16:00 PM	PCB081	0	481390.6	1.027	0.000	<0.32	0.32
W5-055-0915-1	PCB105	338.5	473376.2	0.983	0.566	0.42 MJR	0.22
	PCB118	644.1	478761.3	0.972	1.077	1.08 J	0.21
	PCB126	0	486901	1.001	0.000	<0.21	0.21
	PCB156/157	150.5	989503.9	1.128	0.210	0.210 MJB	0.17
	PCB169	0	483255.3	1.067	0.000	<0.15	0.15
	PCB189	0	404658.4	0.868	0.000	<0.18	0.18
	PCB206	0	212998	0.862	0.000	<0.83	0.83
	PCB209	0	40673.3	0.812	0.000	<1.1	1.1
	13C12-PCB037 (52L)	431068.7	1486223.2	1.817	31.9%	32%	
	13C12-PCB081 (101L)	481390.6	1325896.2	1.632	44.5%	44%	
	13C12-PCB118 (101L)	478761.3	1325896.2	1.473	49.0%	49%	
	13C12-PCB169 (138L)	483255.3	1437288.7	1.262	53.3%	53%	
	13C12-PCB206 (194L)	212998	977759.6	0.796	54.7%	55%	

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Client Sample	Compound	Area	Area of IS	Ave. RRF	Calculated Final Concentration (pg/L)	Form 1 Reported Concentration (pg/L)	RL/EMPC
L1678771-31	PCB037	236.4	394437.2	0.940	0.488	<0.60 MU	0.3
5-151207C10	PCB077	0	488817.1	1.021	0.000	<0.33	0.33
12/7/2015 20:56:00 PM	PCB081	0	448622	1.027	0.000	<0.33	0.33
W5-058-0915-1	PCB105	197.1	447305.4	0.983	0.343	0.30 JR	0.3
	PCB118	518	454639.8	0.972	0.898	0.897	0.21
	PCB126	0	451972.2	1.001	0.000	<0.22	0.22
	PCB156/157	143.6	946540.8	1.128	0.206	0.18 JR	0.18
	PCB169	0	455608.9	1.067	0.000	<0.13	0.13
	PCB189	0	382859.9	0.868	0.000	<0.16	0.16
	PCB206	0	249825.8	0.862	0.000	<0.72	0.72
	PCB209	136	312993.3	0.812	0.410	0.4	0.11
	13C12-PCB037 (52L)	394437.2	1530565.8	1.817	28.4%	28%	
	13C12-PCB081 (101L)	448622	1375242.5	1.632	40.0%	40%	
	13C12-PCB118 (101L)	454639.8	1375242.5	1.473	44.9%	45%	
	13C12-PCB169 (138L)	455608.9	1483257.1	1.262	48.7%	49%	
	13C12-PCB206 (194L)	249825.8	1033246.6	0.796	60.8%	61%	

Client Sample	Compound	Area	Area of IS	Ave. RRF	Calculated Final Concentration (pg/L)	Form 1 Reported Concentration (pg/L)	RL/EMPC
L1678771-32	PCB037	228.7	657047.2	0.940	0.285	<0.31 MU	0.26
5-151207C11	PCB077	0	779732.5	1.021	0.000	<0.19	0.19
12/7/2015 21:35:00 PM	PCB081	0	708305.4	1.027	0.000	<0.19	0.19
W5-058-0915-2	PCB105	206.2	690073.3	0.983	0.234	0.2	0.12
	PCB118	633.9	687511.3	0.972	0.730	0.731	0.12
	PCB126	0	701966	1.001	0.000	<0.12	0.12
	PCB156/157	218.6	1454758.2	1.128	0.205	0.204	0.1
	PCB169	0	729813.9	1.067	0.000	<0.09	0.09
	PCB189	0	600596.8	0.868	0.000	<0.10	0.1
	PCB206	0	390341.4	0.862	0.000	<0.55	0.55
	PCB209	214.7	279954.4	0.812	0.727	0.71 JR	0.71
	13C12-PCB037 (52L)	657047.2	1673900.9	1.817	43.2%	43%	
	13C12-PCB081 (101L)	708305.4	1494902.1	1.632	58.1%	58%	
	13C12-PCB118 (101L)	687511.3	1494902.1	1.473	62.4%	62%	
	13C12-PCB169 (138L)	729813.9	1677209.2	1.262	69.0%	69%	
	13C12-PCB206 (194L)	390341.4	1216581.7	0.796	80.6%	81%	

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Client Sample	Compound	Area	Area of IS	Ave. RRF	Calculated Final Concentration (pg/L)	Form 1 Reported Concentration (pg/L)	RL/EMPC
L1678771-33	PCB037	316.2	547339.1	0.940	0.467	0.42 MJR	0.42
5-151207C12	PCB077	239.6	662898.9	1.021	0.269	0.274 MJB	0.25
12/7/2015 22:15:00 PM	PCB081	0	594576.8	1.027	0.000	<0.27	0.27
BA10B-WO75-0915-1	PCB105	272.3	571969.9	0.983	0.368	0.32 MJR	0.32
	PCB118	635	572977.8	0.972	0.867	0.78 JR	0.78
	PCB126	0	600154.7	1.001	0.000	<0.14	0.14
	PCB156/157	0	1208327.3	1.128	0.000	<0.12	0.12
	PCB169	0	610540.5	1.067	0.000	<0.098	0.098
	PCB189	0	485818.8	0.868	0.000	<0.14	0.14
	PCB206	0	313077.2	0.862	0.000	<0.57	0.57
	PCB209	245.8	376329.1	0.812	0.612	0.612 MJ	0.12
	13C12-PCB037 (52L)	547339.1	1565962.4	1.817	38.5%	38.0%	
	13C12-PCB081 (101L)	594576.8	1429379.2	1.632	51.0%	51%	
	13C12-PCB118 (101L)	572977.8	1429379.2	1.473	54.4%	54%	
	13C12-PCB169 (138L)	610540.5	1612262.5	1.262	60.0%	60%	
	13C12-PCB206 (194L)	313077.2	1152098.6	0.796	68.3%	68%	

NOTES:

Highlighted cells indicate that the recalculated values did not match reported values

Highlighted cells had EMPC calculation performed which matched the reported values.

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Client Sample	PCB-105 EMPC calc	Solve for Ion 1	theo=x/Area Ion 2
L1678771-6	Area Ion 1 = 352.8	x=	246.605
BA7BC-WO50-0915-1	Area Ion 2 = 159.1	New Area Ion 1 =	246.605
	Sum = 511.9	Area Ion 2 =	159.1
	Ratio = 2.22	New Sum =	405.71
	PCB-105: Theoretical Ion Ratio = 1.55		

Client Sample	PCB-77 EMPC calc	Solve for Ion 1	theo=x/Area Ion 2
L1678771-7	Area Ion 1 = 161	x=	201.894
BA7BC-WO50-0915-1	Area Ion 2 = 262.2	New Area Ion 1 =	201.894
	Sum = 423.2	Area Ion 2 =	262.2
	Ratio = 0.614	New Sum =	464.09
	PCB-77: Theoretical Ion Ratio = 0.77		

	PCB-156/157 EMPC calc	Solve for Ion 1	theo=x/Area Ion 2
	Area Ion 1 = 248.9	x=	150.164
	Area Ion 2 = 121.1	New Area Ion 1 =	150.164
	Sum = 370	Area Ion 2 =	121.1
	Ratio = 2.06	New Sum =	271.26
	PCB-156/157: Theoretical Ion Ratio = 1.24		

Client Sample	PCB-156/157 EMPC calc	Solve for Ion 1	theo=x/Area Ion 2
L1678771-10	Area Ion 1 = 161.2	x=	99.82
BA8B-WO145-0915-1	Area Ion 2 = 80.5	New Area Ion 1 =	99.82
	Sum = 241.7	Area Ion 2 =	80.5
	Ratio = 2.00	New Sum =	180.32
	PCB-156/157: Theoretical Ion Ratio = 1.24		

Client Sample	PCB-037 EMPC calc	Solve for Ion 1	theo=x/Area Ion 2
L1678771-12	Area Ion 1 = 304.7	x=	161.096
BA8BC-WO50-0915-1	Area Ion 2 = 154.9	New Area Ion 1 =	161.096
	Sum = 459.6	Area Ion 2 =	154.9
	Ratio = 1.97	New Sum =	316.00
	PCB-037: Theoretical Ion Ratio = 1.04		

Client Sample	PCB-156/157 EMPC calc	Solve for Ion 1	theo=x/Area Ion 2
L1678771-13	Area Ion 1 = 91.7	x=	142.228
BA8BC-WO95-0915-1	Area Ion 2 = 114.7	New Area Ion 1 =	142.228
	Sum = 206.4	Area Ion 2 =	114.7
	Ratio = 0.80	New Sum =	256.93
	PCB-156/157: Theoretical Ion Ratio = 1.24		

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Client Sample	PCB-037 EMPC calc	Solve for Ion 1	theo=x/Area Ion 2
L1678771-14	Area Ion 1 = 249	x=	141.336
BA8C-W05-0915-1	Area Ion 2 = 135.9	New Area Ion 1 =	141.336
	Sum = 384.9	Area Ion 2 =	135.9
	Ratio = 1.83	New Sum =	277.24
	PCB-037: Theoretical Ion Ratio = 1.04		

PCB-105 EMPC calc	Solve for Ion 1	theo=x/Area Ion 2
Area Ion 1 = 218.4	x=	135.005
Area Ion 2 = 87.1	New Area Ion 1 =	135.005
Sum = 305.5	Area Ion 2 =	87.1
Ratio = 2.51	New Sum =	222.11
PCB-105: Theoretical Ion Ratio = 1.55		

Client Sample	PCB-118 EMPC calc	Solve for Ion 1	theo=x/Area Ion 2
L1678771-19	Area Ion 1 = 306.4	x=	234.515
BA9B-W05-0915-1	Area Ion 2 = 151.3	New Area Ion 1 =	234.515
	Sum = 457.7	Area Ion 2 =	151.3
	Ratio = 2.03	New Sum =	385.82
	PCB-118: Theoretical Ion Ratio = 1.55		

Client Sample	PCB-037 EMPC calc	Solve for Ion 1	theo=x/Area Ion 2
L1678771-21	Area Ion 1 = 333.8	x=	452.92
BA9B-W0145-0915-1	Area Ion 2 = 435.5	New Area Ion 1 =	452.92
	Sum = 769.3	Area Ion 2 =	435.5
	Ratio = 0.77	New Sum =	888.42
	PCB-037: Theoretical Ion Ratio = 1.04		

PCB-156/157 EMPC calc	Solve for Ion 1	theo=x/Area Ion 2
Area Ion 1 = 69.1	x=	52.204
Area Ion 2 = 42.1	New Area Ion 1 =	52.204
Sum = 111.2	Area Ion 2 =	42.1
Ratio = 1.64	New Sum =	94.30
PCB-156/157: Theoretical Ion Ratio = 1.24		

2015 Water Sample Investigation
Palos Verdes Shelf
SDG L1678771

Client Sample	PCB-037 EMPC calc	Solve for Ion 1	theo=x/Area Ion 2
L1678771-24	Area Ion 1 = 224.1	x=	153.712
BA9BC-W095-0915-1	Area Ion 2 = 147.8	New Area Ion 1 =	153.712
	Sum = 371.9	Area Ion 2 =	147.8
	Ratio = 1.52	New Sum =	301.51
	PCB-037: Theoretical Ion Ratio = 1.04		

PCB-105 EMPC calc	Solve for Ion 1	theo=x/Area Ion 2
Area Ion 1 = 251.4	x=	370.605
Area Ion 2 = 239.1	New Area Ion 1 =	370.605
Sum = 490.5	Area Ion 2 =	239.1
Ratio = 1.05	New Sum =	609.71
PCB-105: Theoretical Ion Ratio = 1.55		

Client Sample	PCB-209 EMPC calc	Solve for Ion 1	theo=x/Area Ion 2
L1678771-27	Area Ion 1 = 4.6	x=	22.561
BA9C-W055-0915-1	Area Ion 2 = 29.3	New Area Ion 1 =	22.561
	Sum = 33.9	Area Ion 2 =	29.3
	Ratio = 0.16	New Sum =	51.86
	PCB-209: Theoretical Ion Ratio = 0.77		

Client Sample	PCB-037 EMPC calc	Solve for Ion 1	theo=x/Area Ion 2
L1678771-30	Area Ion 1 = 218.5	x=	155.584
W5-055-0915-1	Area Ion 2 = 149.6	New Area Ion 1 =	155.584
	Sum = 368.1	Area Ion 2 =	149.6
	Ratio = 1.46	New Sum =	305.18
	PCB-037: Theoretical Ion Ratio = 1.04		

Client Sample	PCB-209 EMPC calc	Solve for Ion 1	theo=x/Area Ion 2
L1678771-32	Area Ion 1 = 112.9	x=	93.401
W5-058-0915-2	Area Ion 2 = 121.3	New Area Ion 1 =	93.401
	Sum = 234.2	Area Ion 2 =	121.3
	Ratio = 0.93	New Sum =	214.70
	PCB-209: Theoretical Ion Ratio = 0.77		

Client Sample	PCB-77 EMPC calc	Solve for Ion 1	theo=x/Area Ion 2
L1678771-28	Area Ion 1 = 81.5	x=	129.822
BA9C-W058-0915-1	Area Ion 2 = 168.6	New Area Ion 1 =	129.822
	Sum = 250.1	Area Ion 2 =	168.6
	Ratio = 0.483	New Sum =	298.42
	PCB-77: Theoretical Ion Ratio = 0.77		

Facility: EPA, Region 9
 Event: PV Shelf Water
 Guidance Document: Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery Component Palos Verdes Shelf, Los Angeles County, California
 Contract Laboratory: ALS LAB GROUP, BURLINGTON, ON CANADA
 Field Contractor: Gilbane Company, Walnut Creek, CA
 Data Review Contractor: Veridian Enviromental, Inc.
 SDG: L1679681_kp_edits, Certified - 5/25/2016 by wtse
 QC Level: S2BVEM
 Project Manager: Robert Lindfors
 Data Reviewer: Lynn Sandsor
 Data Reviewer Title: Senior Quality Assurance Chemist
 Date of Review Report: July 12, 2016
 Second Reviewer: Tracy Young
 Completion Date of Second Reviewer: August 24, 2016

Analytical Method/ Leach Method	Normal Water Samples	Field QC Water Samples
E1668C/NONE	10	1
E1699/NONE	10	1

This report assesses the analytical data quality associated with the analyses listed on the preceding cover page. This assessment has been made through a combination of automated data review (ADR) and supplemental manual review, the details of which are described below. The approach taken in the review of this data set is consistent with the requirements contained in the Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery Component Palos Verdes Shelf, Los Angeles County, California to the extent possible. Where definitive guidance is not provided, data has been evaluated in a conservative manner using professional judgment. In cases where two qualifiers are listed as an action, such as 'J/UJ', the first qualifier applies to positive results, and the second to non-detect results.

Samples were collected by Gilbane Company, Walnut Creek, CA; analyses were performed by ALS LAB GROUP, BURLINGTON, ON CANADA and were reported under sample delivery group (SDG) L1679681_kp_edits. Results have been evaluated electronically using electronic data deliverables (EDDs) provided by the laboratory. The laboratory data summary forms (hard copy) have been reviewed during this effort and compared to the automated review output. Findings based on the automated data submission and manual data verification processes are detailed in the ADR narrative.

The following quality control elements were supported by the electronic deliverable and were evaluated during this review effort:

- Blank
- Blank - Negative
- Equipment Blank
- LCS Recovery
- Prep Hold Time
- Surrogate
- Test Hold Time

The following quality control elements were either not applicable to the deliverable, or were not supported by the electronic deliverable, and were therefore not included in the automated data review. Those elements required for the project were reviewed manually, as narrated in the Comment section below.

- Ambient Blank
- Calibration Blank
- Calibration Blank - Negative
- Continuing Calibration Verification
- Field Blank
- Field Duplicate
- Initial Calibration Verification
- Lab Replicate RPD
- Material Blank
- MS Recovery
- MS RPD
- Negative Blank
- Trip Blank

A representative sampling or ten percent of sample and QC results were manually evaluated for compliance with project specific requirements and consistency with hard copy results. The following summaries were generated during the evaluation of this data set and are included in this report as applicable.

Batch – The analytical batch report is reviewed for completeness and compliance with project specific requirements. Incomplete or non-compliant run sequences are identified and their impact on data quality are discussed in the narrative.

QC Outlier – Results exceeding the evaluation criteria are reviewed for compliance with project requirements and a minimum of ten percent of the non-compliant QC values reported electronically are verified for consistency with hard-copy values.

Qualified Results – Qualified results are evaluated for compliance with project requirements and ten percent of qualified results are verified for consistency with the QC Outliers.

Rejected Results – All rejected results are evaluated for compliance with project requirements. The reason for rejection of the data is verified against hard copy data.

Field Duplicates – Field duplicate comparison results are evaluated for compliance with project requirements and ten percent of values reported are verified for consistency with the hard-copy data.

Data Submission Warnings – Warnings encountered during the data submission process are evaluated and their affect on data quality is discussed in the narrative below.

Analytical deficiencies, project non-compliance issues and inconsistencies with hard copy results observed during ADR evaluation process and their impact on data quality are summarized in the narrative below.

A total of 332 results (60.36%) out of the 550 results (sample and field QC samples) reported are qualified based on review and 0 results (0.00%) have been rejected. Trace values are not counted as qualified results in the above count. The qualified results are detailed in the following tables and discussed in the narrative below, where appropriate.

Narrative Comments

Project samples listed on COC include 13 individual samples, with results submitted in two data packages. Samples received in good condition per case narrative

Analytical Method	Comment
E1668C	Four PCB compounds co-eluted and were reported as combined analytes: PCB-70 and -74, PCB -87 and -119, PCB-153 and -168, and PCB-156 and -157. The PCB portion of the extract underwent acid/silica gel and alumina chromatography cleanup prior to concentration to 15 uL volume. A solution of the 1668C injection standards was added to the extract to provide a final volume of 20 uL for instrumental analysis for PCB via 1668C.
E1699	All samples analyzed outside of 40-day holding time. DDNU, DDMU, and 2,4'-DDE/DDD calculated using one to two internal standards. 2,4'-DDT calculated using one internal standard and corrected relative to 13C12-DDE. It was noted in the case narrative that the sample matrix was particularly problematic. The following samples were evaporated to dryness during the concentration phase of the extraction procedure: T11-WO30-0915-1 and T11-WO55-0915-1. All associated results for Method 1699 are qualified as estimated with a potential low bias (UJ/J-) due to potential analyte loss.



Reviewed by Lynn Sanders, Senior Quality Assurance
Chemist

July 12, 2016



Reviewed by Tracy Young

August 24, 2016

Reason Code Definitions

Code	Definition
B1	The analyte was found in an associated method blank.
C11	Continuing Calibration Verification percent recovery, percent difference, or percent drift
G1	Initial Calibration RSD
G4	Ion abundance ratios are outside criteria - estimated maximum possible concentration (EMPC) reported
H2	Prep Hold Time
K1	Detected in the associated equipment rinsate blank.
L	Percent recovery of laboratory control sample recovery was outside established limits
S	Surrogate recovery out of criteria (upper or lower limit)
TR	Trace Level Detect
X2	Qualified due to professional judgment, see data validation narrative.

Flag Code and Definitions

Flag	Definition
J	Estimated: The analyte was positively identified, the quantitation is an estimation due to discrepancies in meeting certain analyte-specific quality control criteria.
N	The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification".
NJ	The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.
R	The data are rejected due to deficiencies in meeting QC criteria and may not be used for decision making.
U	Undetected: The analyte was analyzed for, but not detected.
UJ	The analyte was not detected; however, the result is estimated due to discrepancies in meeting certain analyte-specific quality control criteria.

Automated Data Review Detail Report for L1679681_kp_edits

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Batch Report

Test Method: E1668C Analysis Batch: R3323602

Location	Matrix	Field Sample ID	Lab Sample ID	Calibration Ref	Run#/ Dil'n	Collection Date/Time	Extraction Date/Time	Analysis Date/Time	Prep/Leach Batch	Sample Type
LABQC	WQ	LABQC	WG2183255-2		1/1	10/2/2015 00:00	10/2/2015 00:00	12/9/2015 01:03	R3323602/	BS
LABQC	WQ	LABQC	WG2183255-1		1/1	10/2/2015 00:00	10/2/2015 00:00	12/9/2015 02:22	R3323602/	LB
BA10B	WO	BA10B-WO145-0915-1	L1679681-3		1/1	9/25/2015 08:23	10/2/2015 00:00	12/9/2015 03:02	R3323602/	N
BA10C	WO	BA10C-WO5-0915-1	L1679681-4		1/1	9/25/2015 07:36	10/2/2015 00:00	12/9/2015 03:41	R3323602/	N
BA10C	WO	BA10C-WO30-0915-1	L1679681-5		1/1	9/25/2015 07:50	10/2/2015 00:00	12/9/2015 04:21	R3323602/	N
BA10C	WO	BA10C-WO55-0915-1	L1679681-6		1/1	9/25/2015 07:42	10/2/2015 00:00	12/9/2015 05:00	R3323602/	N
T11	WO	T11-WO5-0915-1	L1679681-7		1/1	9/25/2015 10:30	10/2/2015 00:00	12/9/2015 05:40	R3323602/	N
T11	WO	T11-WO55-0915-1	L1679681-9		1/1	9/25/2015 10:43	10/2/2015 00:00	12/9/2015 06:59	R3323602/	N
T11	WO	T11-WO58-0915-1	L1679681-10		1/1	9/25/2015 10:36	10/2/2015 00:00	12/9/2015 07:38	R3323602/	N
FIELDQC	WQ	WQ-ER3-0915-1	L1679681-11		1/1	9/25/2015 09:05	10/2/2015 00:00	12/9/2015 08:18	R3323602/	EB
T11	WO	T11-WO30-0915-1	L1679681-8		1/1	9/25/2015 10:50	10/2/2015 00:00	12/9/2015 16:13	R3323602/	N

Test Method: E1668C Analysis Batch: R3334596

Location	Matrix	Field Sample ID	Lab Sample ID	Calibration Ref	Run#/ Dil'n	Collection Date/Time	Extraction Date/Time	Analysis Date/Time	Prep/Leach Batch	Sample Type
LABQC	WQ	LABQC	WG2182793-2		1/1	10/1/2015 00:00	10/1/2015 00:00	12/7/2015 16:19	R3334596/	BS
LABQC	WQ	LABQC	WG2182793-1		1/1	10/1/2015 00:00	10/1/2015 00:00	12/7/2015 17:38	R3334596/	LB
BA10B	WO	BA10B-WO5-0915-1	L1679681-1		1/1	9/25/2015 08:02	10/1/2015 00:00	12/7/2015 22:54	R3334596/	N
BA10B	WO	BA10B-WO75-0915-1	L1679681-2		1/1	9/25/2015 08:38	10/1/2015 00:00	12/7/2015 23:34	R3334596/	N

Test Method: E1699 Analysis Batch: R3323602

Location	Matrix	Field Sample ID	Lab Sample ID	Calibration Ref	Run#/ Dil'n	Collection Date/Time	Extraction Date/Time	Analysis Date/Time	Prep/Leach Batch	Sample Type
LABQC	WQ	LABQC	WG2183255-2		1/1	10/2/2015 00:00	10/2/2015 00:00	12/1/2015 20:08	R3323602/	BS

Automated Data Review Detail Report for L1679681_kp_edits

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery
Component Palos Verdes Shelf, Los Angeles County, California

Batch Report

Test Method: E1699		Analysis Batch: R3323602								
Location	Matrix	Field Sample ID	Lab Sample ID	Calibration Ref	Run#/Dil'n	Collection Date/Time	Extraction Date/Time	Analysis Date/Time	Prep/Leach Batch	Sample Type
LABQC	WQ	LABQC	WG2183255-1		1/1	10/2/2015 00:00	10/2/2015 00:00	12/1/2015 21:45	R3323602/	LB
BA10B	WO	BA10B-WO145-0915-1	L1679681-3		1/1	9/25/2015 08:23	10/2/2015 00:00	12/1/2015 22:17	R3323602/	N
BA10C	WO	BA10C-WO5-0915-1	L1679681-4		1/1	9/25/2015 07:36	10/2/2015 00:00	12/1/2015 22:50	R3323602/	N
BA10C	WO	BA10C-WO30-0915-1	L1679681-5		1/1	9/25/2015 07:50	10/2/2015 00:00	12/1/2015 23:22	R3323602/	N
BA10C	WO	BA10C-WO55-0915-1	L1679681-6		1/1	9/25/2015 07:42	10/2/2015 00:00	12/2/2015 02:17	R3323602/	N
T11	WO	T11-WO5-0915-1	L1679681-7		1/1	9/25/2015 10:30	10/2/2015 00:00	12/2/2015 02:49	R3323602/	N
T11	WO	T11-WO30-0915-1	L1679681-8		1/1	9/25/2015 10:50	10/2/2015 00:00	12/2/2015 03:22	R3323602/	N
T11	WO	T11-WO55-0915-1	L1679681-9		1/1	9/25/2015 10:43	10/2/2015 00:00	12/2/2015 03:54	R3323602/	N
T11	WO	T11-WO58-0915-1	L1679681-10		1/1	9/25/2015 10:36	10/2/2015 00:00	12/2/2015 04:26	R3323602/	N
FIELDQC	WQ	WQ-ER3-0915-1	L1679681-11		1/1	9/25/2015 09:05	10/2/2015 00:00	12/2/2015 04:59	R3323602/	EB

Test Method: E1699		Analysis Batch: R3334596								
Location	Matrix	Field Sample ID	Lab Sample ID	Calibration Ref	Run#/Dil'n	Collection Date/Time	Extraction Date/Time	Analysis Date/Time	Prep/Leach Batch	Sample Type
LABQC	WQ	LABQC	WG2182793-2		1/1	10/1/2015 00:00	10/1/2015 00:00	12/7/2015 22:50	R3334596/	BS
LABQC	WQ	LABQC	WG2182793-1		1/1	10/1/2015 00:00	10/1/2015 00:00	12/8/2015 00:27	R3334596/	LB
BA10B	WO	BA10B-WO5-0915-1	L1679681-1		1/1	9/25/2015 08:02	10/1/2015 00:00	12/8/2015 07:41	R3334596/	N
BA10B	WO	BA10B-WO75-0915-1	L1679681-2		1/1	9/25/2015 08:38	10/1/2015 00:00	12/8/2015 08:13	R3334596/	N

Automated Data Review Detail Report for L1679681_kp_edits

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Field Batch Report

Test Method: E1668C		Extraction Method: METHOD		Leach Method: NONE				
EBLOT	TBLOT	ABLOT	LOCID	Matrix	FLDSAMPID	LABSAMPID	LOGDATE	SACODE
25091501			BA10B	WO	BA10B-WO145-0915-1	L1679681-3	9/25/2015 08:23	N
25091501			BA10B	WO	BA10B-WO5-0915-1	L1679681-1	9/25/2015 08:02	N
25091501			BA10B	WO	BA10B-WO75-0915-1	L1679681-2	9/25/2015 08:38	N
25091501			BA10C	WO	BA10C-WO30-0915-1	L1679681-5	9/25/2015 07:50	N
25091501			BA10C	WO	BA10C-WO5-0915-1	L1679681-4	9/25/2015 07:36	N
25091501			BA10C	WO	BA10C-WO55-0915-1	L1679681-6	9/25/2015 07:42	N
25091501			FIELDQC	WQ	WQ-ER3-0915-1	L1679681-11	9/25/2015 09:05	EB
25091501			T11	WO	T11-WO30-0915-1	L1679681-8	9/25/2015 10:50	N
25091501			T11	WO	T11-WO5-0915-1	L1679681-7	9/25/2015 10:30	N
25091501			T11	WO	T11-WO55-0915-1	L1679681-9	9/25/2015 10:43	N
25091501			T11	WO	T11-WO58-0915-1	L1679681-10	9/25/2015 10:36	N

Test Method: E1699		Extraction Method: METHOD		Leach Method: NONE				
EBLOT	TBLOT	ABLOT	LOCID	Matrix	FLDSAMPID	LABSAMPID	LOGDATE	SACODE
25091501			BA10B	WO	BA10B-WO145-0915-1	L1679681-3	9/25/2015 08:23	N
25091501			BA10B	WO	BA10B-WO5-0915-1	L1679681-1	9/25/2015 08:02	N
25091501			BA10B	WO	BA10B-WO75-0915-1	L1679681-2	9/25/2015 08:38	N
25091501			BA10C	WO	BA10C-WO30-0915-1	L1679681-5	9/25/2015 07:50	N
25091501			BA10C	WO	BA10C-WO5-0915-1	L1679681-4	9/25/2015 07:36	N
25091501			BA10C	WO	BA10C-WO55-0915-1	L1679681-6	9/25/2015 07:42	N
25091501			FIELDQC	WQ	WQ-ER3-0915-1	L1679681-11	9/25/2015 09:05	EB
25091501			T11	WO	T11-WO30-0915-1	L1679681-8	9/25/2015 10:50	N
25091501			T11	WO	T11-WO5-0915-1	L1679681-7	9/25/2015 10:30	N
25091501			T11	WO	T11-WO55-0915-1	L1679681-9	9/25/2015 10:43	N

Automated Data Review Detail Report for L1679681_kp_edits

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Field Batch Report

Test Method: E1699		Extraction Method: METHOD		Leach Method: NONE				
EBLOT	TBLOT	ABLOT	LOCID	Matrix	FLDSAMPID	LABSAMPID	LOGDATE	SACODE
25091501			T11	WO	T11-WO58-0915-1	L1679681-10	9/25/2015 10:36	N

Automated Data Review Detail Report for L1679681_kp_edits

EPA, Region 9

Final Quality Assurance Project Plan i Water Sampling Program for Remedial Action - Monitored Natural Recovery Component Palos Verdes Shelf, Los Angeles County, California

QC Outlier Report

Test Method: E1668C		Extraction Method: METHOD		Leach Method: NONE							
QC Element	Sample ID/ Lab Sample ID	Run#/ Dil'n	Analyte	Result (Units)	Qualifier	Warning Limits	Control Limits	Reason	Comment	Rule	Action Level
Blank	WG2182793-1 (LB) / WG2182793-1	1 / 1.00	2,2',3,4,4',5,5'- HEPTACHLOROBIPHENYL	1.09 (PG/L)	*U/None	< 0.49	< 16	B1		1	1.09
Blank	WG2182793-1 (LB) / WG2182793-1	1 / 1.00	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	1.47 (PG/L)	*U/None	< 0.51	< 16	B1		1	1.47
Blank	WG2182793-1 (LB) / WG2182793-1	1 / 1.00	2,2',3,4',5',6-HEXACHLOROBIPHENYL	1.24 (PG/L)	*U/None	< 0.48	< 16	B1		1	1.24
Blank	WG2182793-1 (LB) / WG2182793-1	1 / 1.00	2,2',3,5'-TETRACHLOROBIPHENYL	4.00 (PG/L)	*U/None	< 0.54	< 16	B1		1	4.00
Blank	WG2182793-1 (LB) / WG2182793-1	1 / 1.00	2,2',4,5'-TETRACHLOROBIPHENYL	0.770 (PG/L)	*U/None	< 0.49	< 16	B1		1	0.770
Blank	WG2182793-1 (LB) / WG2182793-1	1 / 1.00	2,2',5,5'-TETRACHLOROBIPHENYL	2.79 (PG/L)	*U/None	< 0.59	< 16	B1		1	2.79
Blank	WG2182793-1 (LB) / WG2182793-1	1 / 1.00	2,2',5-TRICHLOROBIPHENYL	2.76 (PG/L)	*U/None	< 0.82	< 16	B1		1	2.76
Blank	WG2182793-1 (LB) / WG2182793-1	1 / 1.00	2,3,3',4,4',5'- Hexachlorobiphenyl/2,3,3',4,4',5'- Hexachlorobiphenyl	0.910 (PG/L)	*U/None	< 0.5	< 32	B1		1	0.910
Blank	WG2182793-1 (LB) / WG2182793-1	1 / 1.00	2,3,3',4',6-PENTACHLOROBIPHENYL	2.90 (PG/L)	*U/None	< 0.57	< 16	B1		1	2.90
Blank	WG2182793-1 (LB) / WG2182793-1	1 / 1.00	2,3',4,4',5-PENTACHLOROBIPHENYL	1.20 (PG/L)	*U/None	< 0.57	< 16	B1		1	1.20
Blank	WG2182793-1 (LB) / WG2182793-1	1 / 1.00	2,3',4,4'-TETRACHLOROBIPHENYL	1.27 (PG/L)	*U/None	< 0.58	< 16	B1		1	1.27
Blank	WG2182793-1 (LB) / WG2182793-1	1 / 1.00	2,4,4'-TRICHLOROBIPHENYL	2.60 (PG/L)	*U/None	< 0.84	< 16	B1		1	2.60
Blank	WG2182793-1 (LB) / WG2182793-1	1 / 1.00	2,4',5-TRICHLOROBIPHENYL	2.30 (PG/L)	*U/None	< 0.83	< 16	B1		1	2.30
Blank	WG2182793-1 (LB) / WG2182793-1	1 / 1.00	3,3',4,4'-TETRACHLOROBIPHENYL	0.780 (PG/L)	*U/None	< 0.57	< 16	B1		1	0.780
Blank	WG2182793-1 (LB) / WG2182793-1	1 / 1.00	3,4,4'-TRICHLOROBIPHENYL	1.04 (PG/L)	*U/None	< 0.95	< 16	B1		1	1.04
Blank	WG2183255-1 (LB) / WG2183255-1	1 / 1.00	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	1.55 (PG/L)	*U/None	< 0.6	< 16	B1		1	1.55
Blank	WG2183255-1 (LB) / WG2183255-1	1 / 1.00	2,2',3,4',5',6-HEXACHLOROBIPHENYL	1.10 (PG/L)	*U/None	< 0.64	< 16	B1		1	1.10
Blank	WG2183255-1 (LB) / WG2183255-1	1 / 1.00	2,2',3,5'-TETRACHLOROBIPHENYL	7.55 (PG/L)	*U/None	< 0.77	< 16	B1		1	7.55

Automated Data Review Detail Report for L1679681_kp_edits

EPA, Region 9

Final Quality Assurance Project Plan i Water Sampling Program for Remedial Action - Monitored Natural Recovery Component Palos Verdes Shelf, Los Angeles County, California

Blank	WG2183255-1 (LB) / WG2183255-1	1 / 1.00	2,2',4,4',5-PENTACHLOROBIPHENYL	1.45 (PG/L)	*U/None	< 0.64	< 16	B1	1	1.45
Blank	WG2183255-1 (LB) / WG2183255-1	1 / 1.00	2,2',4,5,5'-PENTACHLOROBIPHENYL	2.43 (PG/L)	*U/None	< 0.59	< 16	B1	1	2.43
Blank	WG2183255-1 (LB) / WG2183255-1	1 / 1.00	2,2',4,5'-TETRACHLOROBIPHENYL	2.30 (PG/L)	*U/None	< 0.74	< 16	B1	1	2.30
Blank	WG2183255-1 (LB) / WG2183255-1	1 / 1.00	2,2',5,5'-TETRACHLOROBIPHENYL	5.20 (PG/L)	*U/None	< 0.91	< 16	B1	1	5.20
Blank	WG2183255-1 (LB) / WG2183255-1	1 / 1.00	2,2',5-TRICHLOROBIPHENYL	6.40 (PG/L)	*U/None	< 0.74	< 16	B1	1	6.40
Blank	WG2183255-1 (LB) / WG2183255-1	1 / 1.00	2,3,3',4,4'-PENTACHLOROBIPHENYL	1.65 (PG/L)	*U/None	< 0.6	< 16	B1	1	1.65
Blank	WG2183255-1 (LB) / WG2183255-1	1 / 1.00	2,3,3',4',6-PENTACHLOROBIPHENYL	2.20 (PG/L)	*U/None	< 0.5	< 16	B1	1	2.20
Blank	WG2183255-1 (LB) / WG2183255-1	1 / 1.00	2,3',4,4',5-PENTACHLOROBIPHENYL	2.01 (PG/L)	*U/None	< 0.63	< 16	B1	1	2.01
Blank	WG2183255-1 (LB) / WG2183255-1	1 / 1.00	2,3',4,4'-TETRACHLOROBIPHENYL	6.80 (PG/L)	*U/None	< 0.82	< 16	B1	1	6.80
Blank	WG2183255-1 (LB) / WG2183255-1	1 / 1.00	2,4,4'-TRICHLOROBIPHENYL	23.3 (PG/L)	*U/None	< 0.61	< 16	B1	1	23.3
Blank	WG2183255-1 (LB) / WG2183255-1	1 / 1.00	2,4',5-TRICHLOROBIPHENYL	16.9 (PG/L)	*U/None	< 0.62	< 16	B1	1	16.9
Blank	WG2183255-1 (LB) / WG2183255-1	1 / 1.00	2,4'-DICHLOROBIPHENYL	30.1 (PG/L)	*U/None	< 3.1	< 16	B1	1	30.1
Blank	WG2183255-1 (LB) / WG2183255-1	1 / 1.00	3,4,4'-TRICHLOROBIPHENYL	11.4 (PG/L)	*U/None	< 0.66	< 16	B1	1	11.4
Equipment Blank	WQ-ER3-0915-1 (EB) / L1679681-11	1 / 1.00	2,2',3,4,4',5,5'- HEPTACHLOROBIPHENYL	0.160 (PG/L)	*U/None	< 0.12	< 15.504	K1	1	0.160
Equipment Blank	WQ-ER3-0915-1 (EB) / L1679681-11	1 / 1.00	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	1.13 (PG/L)	*U/None	< 0.14	< 15.504	K1	1	1.13
Equipment Blank	WQ-ER3-0915-1 (EB) / L1679681-11	1 / 1.00	2,2',3,4',5',6-HEXACHLOROBIPHENYL	0.860 (PG/L)	*U/None	< 0.15	< 15.504	K1	1	0.860
Equipment Blank	WQ-ER3-0915-1 (EB) / L1679681-11	1 / 1.00	2,2',3,5'-TETRACHLOROBIPHENYL	7.29 (PG/L)	*U/None	< 0.25	< 15.504	K1	1	7.29
Equipment Blank	WQ-ER3-0915-1 (EB) / L1679681-11	1 / 1.00	2,2',4,4',5-PENTACHLOROBIPHENYL	1.43 (PG/L)	*U/None	< 0.26	< 15.504	K1	1	1.43
Equipment Blank	WQ-ER3-0915-1 (EB) / L1679681-11	1 / 1.00	2,2',4,5,5'-PENTACHLOROBIPHENYL	2.28 (PG/L)	*U/None	< 0.24	< 15.504	K1	1	2.28
Equipment Blank	WQ-ER3-0915-1 (EB) / L1679681-11	1 / 1.00	2,2',4,5'-TETRACHLOROBIPHENYL	2.95 (PG/L)	*U/None	< 0.24	< 15.504	K1	1	2.95
Equipment Blank	WQ-ER3-0915-1 (EB) / L1679681-11	1 / 1.00	2,2',5,5'-TETRACHLOROBIPHENYL	6.83 (PG/L)	*U/None	< 0.29	< 15.504	K1	1	6.83

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Equipment Blank	WQ-ER3-0915-1 (EB) / L1679681-11	1 / 1.00	2,2',5-TRICHLOROBIPHENYL	7.29 (PG/L)	*U/None	< 0.22	< 15.504	K1	1	7.29
Equipment Blank	WQ-ER3-0915-1 (EB) / L1679681-11	1 / 1.00	2,3,3',4,4'-PENTACHLOROBIPHENYL	1.20 (PG/L)	*U/None	< 0.22	< 15.504	K1	1	1.20
Equipment Blank	WQ-ER3-0915-1 (EB) / L1679681-11	1 / 1.00	2,3,3',4',6-PENTACHLOROBIPHENYL	2.94 (PG/L)	*U/None	< 0.2	< 15.504	K1	1	2.94
Equipment Blank	WQ-ER3-0915-1 (EB) / L1679681-11	1 / 1.00	2,3',4,4',5-PENTACHLOROBIPHENYL	2.13 (PG/L)	*U/None	< 0.23	< 15.504	K1	1	2.13
Equipment Blank	WQ-ER3-0915-1 (EB) / L1679681-11	1 / 1.00	2,3',4,4'-TETRACHLOROBIPHENYL	7.09 (PG/L)	*U/None	< 0.28	< 15.504	K1	1	7.09
Equipment Blank	WQ-ER3-0915-1 (EB) / L1679681-11	1 / 1.00	2,4,4'-TRICHLOROBIPHENYL	20.4 (PG/L)	*U/None	< 0.18	< 15.504	K1	1	20.4
Equipment Blank	WQ-ER3-0915-1 (EB) / L1679681-11	1 / 1.00	2,4',5-TRICHLOROBIPHENYL	15.1 (PG/L)	*U/None	< 0.18	< 15.504	K1	1	15.1
Equipment Blank	WQ-ER3-0915-1 (EB) / L1679681-11	1 / 1.00	2,4'-DICHLOROBIPHENYL	9.69 (PG/L)	*U/None	< 0.45	< 15.504	K1	1	9.69
Equipment Blank	WQ-ER3-0915-1 (EB) / L1679681-11	1 / 1.00	3,3',4,4'-TETRACHLOROBIPHENYL	0.610 (PG/L)	*U/None	< 0.29	< 15.504	K1	1	0.610
Equipment Blank	WQ-ER3-0915-1 (EB) / L1679681-11	1 / 1.00	3,4,4'-TRICHLOROBIPHENYL	7.30 (PG/L)	*U/None	< 0.2	< 15.504	K1	1	7.30
Prep Hold Time	BA10B-WO145-0915-1 (N) / L1679681-3	1 / 1.00	All in Run	68.1 (Days)	J/UJ	< 40	< 80	H2	Sample analyzed within one-year holding time. Qualifier removed.	
Prep Hold Time	BA10B-WO5-0915-1 (N) / L1679681-1	1 / 1.00	All in Run	67.9 (Days)	J/UJ	< 40	< 80	H2	Sample analyzed within one-year holding time. Qualifier removed.	
Prep Hold Time	BA10B-WO75-0915-1 (N) / L1679681-2	1 / 1.00	All in Run	68.0 (Days)	J/UJ	< 40	< 80	H2	Sample analyzed within one-year holding time. Qualifier removed.	

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Prep Hold Time	BA10C-WO30-0915-1 (N) / L1679681-5	1 / 1.00	All in Run	68.2 (Days)	J/UJ	< 40	< 80	H2	Sample analyzed within one-year holding time. Qualifier removed.
Prep Hold Time	BA10C-WO5-0915-1 (N) / L1679681-4	1 / 1.00	All in Run	68.2 (Days)	J/UJ	< 40	< 80	H2	Sample analyzed within one-year holding time. Qualifier removed.
Prep Hold Time	BA10C-WO55-0915-1 (N) / L1679681-6	1 / 1.00	All in Run	68.2 (Days)	J/UJ	< 40	< 80	H2	Sample analyzed within one-year holding time. Qualifier removed.
Prep Hold Time	T11-WO30-0915-1 (N) / L1679681-8	1 / 1.00	All in Run	68.7 (Days)	J/UJ	< 40	< 80	H2	Sample analyzed within one-year holding time. Qualifier removed.
Prep Hold Time	T11-WO5-0915-1 (N) / L1679681-7	1 / 1.00	All in Run	68.2 (Days)	J/UJ	< 40	< 80	H2	Sample analyzed within one-year holding time. Qualifier removed.
Prep Hold Time	T11-WO55-0915-1 (N) / L1679681-9	1 / 1.00	All in Run	68.3 (Days)	J/UJ	< 40	< 80	H2	Sample analyzed within one-year holding time. Qualifier removed.

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Prep Hold Time	T11-WO58-0915-1 (N) / L1679681-10	1 / 1.00	All in Run	68.3 (Days)	J/UJ	< 40	< 80	H2	Sample analyzed within one-year holding time. Qualifier removed.
Prep Hold Time	WQ-ER3-0915-1 (EB) / L1679681-11	1 / 1.00	All in Run	68.3 (Days)	J/UJ	< 40	< 80	H2	Sample analyzed within one-year holding time. Qualifier removed.
Surrogate	T11-WO30-0915-1 (N) / L1679681-8	1 / 1.00	2-MONOCHLOROBIPHENYL-C13	2.00 (PERCENT)	J/R	10 - 145	5 - 155	S	Only 1 SS out. Qualifier removed.
Surrogate	T11-WO30-0915-1 (N) / L1679681-8	1 / 1.00	4-Chlorobophenyl-C13	4.00 (PERCENT)	J/R	10 - 145	5 - 155	S	Only 1 SS out. Qualifier removed.
Surrogate	T11-WO55-0915-1 (N) / L1679681-9	1 / 1.00	2-MONOCHLOROBIPHENYL-C13	9.00 (PERCENT)	J/UJ	10 - 145	5 - 155	S	Only 1 SS out. Qualifier removed.

Test Method: E1699		Extraction Method: METHOD		Leach Method: NONE							
QC Element	Sample ID/ Lab Sample ID	Run#/ Dil'n	Analyte	Result (Units)	Qualifier	Warning Limits	Control Limits	Reason	Comment	Rule	Action Level
Blank	WG2182793-1 (LB) / WG2182793-1	1 / 1.00	p,p'-DDE	0.00860 (NG/L)	*U/None	< 0.0027	< 0.024	B1		1	0.00860
Blank	WG2183255-1 (LB) / WG2183255-1	1 / 1.00	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.00240 (NG/L)	*U/None	< 0.00088	< 0.096	B1		1	0.00240
Blank	WG2183255-1 (LB) / WG2183255-1	1 / 1.00	o,p'-DDD	0.0326 (NG/L)	*U/None	< 0.0082	< 0.096	B1		1	0.0326
Blank	WG2183255-1 (LB) / WG2183255-1	1 / 1.00	o,p'-DDE	0.0102 (NG/L)	*U/None	< 0.0024	< 0.096	B1		1	0.0102
Blank	WG2183255-1 (LB) / WG2183255-1	1 / 1.00	o,p'-DDT	0.0370 (NG/L)	*U/None	< 0.026	< 0.096	B1		1	0.0370
Blank	WG2183255-1 (LB) / WG2183255-1	1 / 1.00	p,p'-DDD	0.0170 (NG/L)	*U/None	< 0.01	< 0.096	B1		1	0.0170

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Blank	WG2183255-1 (LB) / WG2183255-1	1 / 1.00	p,p'-DDE	0.0224 (NG/L)	*U/None	< 0.0086	< 0.096	B1	1	0.0224
Equipment Blank	WQ-ER3-0915-1 (EB) / L1679681-11	1 / 1.00	p,p'-DDE	0.0113 (NG/L)	*U/None	< 0.0086	< 0.093	K1	1	0.0113
LCS Recovery	WG2183255-2 (BS) / WG2183255-2	1 / 1.00	o,p'-DDD	151 (Percent)	J/None	50 - 120	10 - 130	L		
Prep Hold Time	BA10B-WO145-0915-1 (N) / L1679681-3	1 / 1.00	All in Run	60.9 (Days)	J/UJ	< 40	< 80	H2		
Prep Hold Time	BA10B-WO5-0915-1 (N) / L1679681-1	1 / 1.00	All in Run	68.3 (Days)	J/UJ	< 40	< 80	H2		
Prep Hold Time	BA10B-WO75-0915-1 (N) / L1679681-2	1 / 1.00	All in Run	68.3 (Days)	J/UJ	< 40	< 80	H2		
Prep Hold Time	BA10C-WO30-0915-1 (N) / L1679681-5	1 / 1.00	All in Run	61.0 (Days)	J/UJ	< 40	< 80	H2		
Prep Hold Time	BA10C-WO5-0915-1 (N) / L1679681-4	1 / 1.00	All in Run	61.0 (Days)	J/UJ	< 40	< 80	H2		
Prep Hold Time	BA10C-WO55-0915-1 (N) / L1679681-6	1 / 1.00	All in Run	61.1 (Days)	J/UJ	< 40	< 80	H2		
Prep Hold Time	T11-WO30-0915-1 (N) / L1679681-8	1 / 1.00	All in Run	61.1 (Days)	J/UJ	< 40	< 80	H2		
Prep Hold Time	T11-WO5-0915-1 (N) / L1679681-7	1 / 1.00	All in Run	61.1 (Days)	J/UJ	< 40	< 80	H2		
Prep Hold Time	T11-WO55-0915-1 (N) / L1679681-9	1 / 1.00	All in Run	61.2 (Days)	J/UJ	< 40	< 80	H2		
Prep Hold Time	T11-WO58-0915-1 (N) / L1679681-10	1 / 1.00	All in Run	61.2 (Days)	J/UJ	< 40	< 80	H2		
Prep Hold Time	WQ-ER3-0915-1 (EB) / L1679681-11	1 / 1.00	All in Run	61.2 (Days)	J/UJ	< 40	< 80	H2		
Surrogate	BA10B-WO5-0915-1 (N) / L1679681-1	1 / 1.00	4,4'-DDE-13C12	45.0 (Percent)	J/UJ	47 - 160	10 - 170	S	Only 1 SS out. Qualifier removed.	
Surrogate	BA10B-WO75-0915-1 (N) / L1679681-2	1 / 1.00	4,4'-DDE-13C12	38.0 (Percent)	J/UJ	47 - 160	10 - 170	S	Only 1 SS out. Qualifier removed.	
Surrogate	BA10C-WO55-0915-1 (N) / L1679681-6	1 / 1.00	4,4'-DDE-13C12	46.0 (Percent)	J/UJ	47 - 160	10 - 170	S	Only 1 SS out. Qualifier removed.	

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Surrogate	T11-WO30-0915-1 (N) / L1679681-8	1 / 1.00	4,4'-DDE-13C12	41.0 (Percent)	J/UJ	47 - 160	10 - 170	S	Only 1 SS out. Qualifier removed.
Surrogate	T11-WO5-0915-1 (N) / L1679681-7	1 / 1.00	4,4'-DDE-13C12	44.0 (Percent)	J/UJ	47 - 160	10 - 170	S	Only 1 SS out. Qualifier removed.
Surrogate	T11-WO55-0915-1 (N) / L1679681-9	1 / 1.00	4,4'-DDE-13C12	44.0 (Percent)	J/UJ	47 - 160	10 - 170	S	Only 1 SS out. Qualifier removed.
Surrogate	T11-WO58-0915-1 (N) / L1679681-10	1 / 1.00	4,4'-DDE-13C12	44.0 (Percent)	J/UJ	47 - 160	10 - 170	S	Only 1 SS out. Qualifier removed.
Surrogate	WQ-ER3-0915-1 (EB) / L1679681-11	1 / 1.00	4,4'-DDE-13C12	34.0 (Percent)	J/UJ	47 - 160	10 - 170	S	Only 1 SS out. Qualifier removed.

Rule is the multiplier used when blank contamination occurs to determine action level.

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Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1668C		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
BA10B-WO145-0915-1	L1679681-3	WO	N	2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	2.8	1.9 J,B	2.8 U		PG/L	B1
BA10B-WO145-0915-1	L1679681-3	WO	N	2,2',3,4,4',5,5'-HEPTACHLOROBIPHENYL	0.46	0.76 J,M	0.76 J	+	PG/L	K1/TR/G4
BA10B-WO145-0915-1	L1679681-3	WO	N	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	0.37	2.2 J,B	2.2 J	+	PG/L	B1/TR
BA10B-WO145-0915-1	L1679681-3	WO	N	2,2',3,4',5,6'-HEXACHLOROBIPHENYL	0.40	1.5 J	1.5 J	+	PG/L	B1/TR
BA10B-WO145-0915-1	L1679681-3	WO	N	2,2',3,4,5'-PENTACHLOROBIPHENYL/2,3',4,4',6-Pentachlorobiphenyl	2.1	2.1 J,B	2.1 U		PG/L	K1/B1
BA10B-WO145-0915-1	L1679681-3	WO	N	2,2',3,5'-TETRACHLOROBIPHENYL	7.6	5.2 J,B	7.6 U		PG/L	B1
BA10B-WO145-0915-1	L1679681-3	WO	N	2,2',4,4',5,5'-HEXACHLOROBIPHENYL/2,3',4,4',5,6'-HEXACHLOROBIPHENYL	0.32	1.5 J	1.5 J	+	PG/L	TR/B1
BA10B-WO145-0915-1	L1679681-3	WO	N	2,2',4,4',5-PENTACHLOROBIPHENYL	0.30	1.6 J,B	1.6 J	+	PG/L	B1/TR
BA10B-WO145-0915-1	L1679681-3	WO	N	2,2',4,5,5'-PENTACHLOROBIPHENYL	0.27	2.5 J,B	2.5 J	+	PG/L	K1/TR
BA10B-WO145-0915-1	L1679681-3	WO	N	2,2',4,5'-TETRACHLOROBIPHENYL	3.0	2.4 J,B	3.0 U		PG/L	K1/B1
BA10B-WO145-0915-1	L1679681-3	WO	N	2,2',5,5'-TETRACHLOROBIPHENYL	6.8	4.1 J	6.8 U		PG/L	K1/B1
BA10B-WO145-0915-1	L1679681-3	WO	N	2,2',5-TRICHLOROBIPHENYL	7.3	4.5 J,B	7.3 U		PG/L	K1/B1
BA10B-WO145-0915-1	L1679681-3	WO	N	2,3,3',4,4'-PENTACHLOROBIPHENYL	1.7	1.5 J,B	1.7 U		PG/L	B1
BA10B-WO145-0915-1	L1679681-3	WO	N	2,3,3',4',6-PENTACHLOROBIPHENYL	0.23	3.6 J	3.6 J	+	PG/L	K1/B1/TR
BA10B-WO145-0915-1	L1679681-3	WO	N	2,3',4,4',5-PENTACHLOROBIPHENYL	0.31	2.6 J,B	2.6 J	+	PG/L	K1/B1/TR
BA10B-WO145-0915-1	L1679681-3	WO	N	2,3',4,4'-TETRACHLOROBIPHENYL	7.1	5.5 J	7.1 U		PG/L	K1/B1
BA10B-WO145-0915-1	L1679681-3	WO	N	2,4,4'-TRICHLOROBIPHENYL	23.3	15.8 B	23.3 U		PG/L	B1
BA10B-WO145-0915-1	L1679681-3	WO	N	2,4',5-TRICHLOROBIPHENYL	15.1	11.2 J,B	15.1 U		PG/L	B1/K1

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Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1668C		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
BA10B-WO145-0915-1	L1679681-3	WO	N	2,4'-DICHLOROBIPHENYL	30.1	10.5 J,B	30.1 U		PG/L	B1
BA10B-WO145-0915-1	L1679681-3	WO	N	3,3',4,4'-TETRACHLOROBIPHENYL	0.51	0.80 J,M	0.80 J	+	PG/L	K1/TR/G4
BA10B-WO145-0915-1	L1679681-3	WO	N	3,4,4'-TRICHLOROBIPHENYL	7.3	7.2 J,B	7.3 U		PG/L	B1/K1
BA10B-WO145-0915-1	L1679681-3	WO	N	PCB061/070/074/076	11.5	8.7 J,B	11.5 U		PG/L	B1
BA10B-WO5-0915-1	L1679681-1	WO	N	2,2',3,4',5,5'-HEPTACHLOROBIPHENYL	1.1	0.36 J,B	1.1 U		PG/L	B1
BA10B-WO5-0915-1	L1679681-1	WO	N	2,2',3,4',5'-HEXACHLOROBIPHENYL	1.5	0.99 J,B	1.5 U		PG/L	B1
BA10B-WO5-0915-1	L1679681-1	WO	N	2,2',3,4',5,5',6-HEPTACHLOROBIPHENYL	0.14	0.24 J,M	0.24 J		PG/L	TR/G4
BA10B-WO5-0915-1	L1679681-1	WO	N	2,2',3,4',5,6-HEXACHLOROBIPHENYL	0.42	0.42 J,M	0.42 U		PG/L	B1/G4
BA10B-WO5-0915-1	L1679681-1	WO	N	2,2',3,4,5'-PENTACHLOROBIPHENYL/2,3',4,4',6-Pentachlorobiphenyl	0.31	0.31 J,M	0.31 U		PG/L	K1/G4
BA10B-WO5-0915-1	L1679681-1	WO	N	2,2',3,5',6-HEXACHLOROBIPHENYL	0.21	0.21 J,M	0.21 U		PG/L	K1/B1/G4
BA10B-WO5-0915-1	L1679681-1	WO	N	2,2',3,5'-TETRACHLOROBIPHENYL	7.3	2.7 J	7.3 U		PG/L	K1/B1
BA10B-WO5-0915-1	L1679681-1	WO	N	2,2',4,4',5,5'-HEXACHLOROBIPHENYL/2,3',4,4',5,5',6-HEXACHLOROBIPHENYL	0.54	0.54 J,M	0.54 U		PG/L	G4/B1
BA10B-WO5-0915-1	L1679681-1	WO	N	2,2',4,4',5-PENTACHLOROBIPHENYL	1.4	0.51 J	1.4 U		PG/L	K1
BA10B-WO5-0915-1	L1679681-1	WO	N	2,2',4,5,5'-PENTACHLOROBIPHENYL	2.3	0.97 J	2.3 U		PG/L	K1
BA10B-WO5-0915-1	L1679681-1	WO	N	2,2',4,5'-TETRACHLOROBIPHENYL	0.55	0.55 J,M	0.55 U		PG/L	K1/G4/B1
BA10B-WO5-0915-1	L1679681-1	WO	N	2,2',5,5'-TETRACHLOROBIPHENYL	6.8	1.6 J,B	6.8 U		PG/L	K1/B1
BA10B-WO5-0915-1	L1679681-1	WO	N	2,2',5-TRICHLOROBIPHENYL	7.3	1.5 J,B	7.3 U		PG/L	K1/B1
BA10B-WO5-0915-1	L1679681-1	WO	N	2,3,3',4,4',6-HEXACHLOROBIPHENYL	0.088	0.11 J,M	0.11 J		PG/L	TR/G4

Automated Data Review Detail Report for L1679681_kp_edits

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1668C		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
BA10B-WO5-0915-1	L1679681-1	WO	N	2,3,3',4,4'-PENTACHLOROBIPHENYL	0.16	0.16 J,M	0.16 U		PG/L	K1/G4
BA10B-WO5-0915-1	L1679681-1	WO	N	2,3,3',4',6-PENTACHLOROBIPHENYL	2.9	1.2 J	2.9 U		PG/L	K1
BA10B-WO5-0915-1	L1679681-1	WO	N	2,3',4,4',5-PENTACHLOROBIPHENYL	2.1	0.50 J	2.1 U		PG/L	K1
BA10B-WO5-0915-1	L1679681-1	WO	N	2,3',4,4'-TETRACHLOROBIPHENYL	7.1	0.81 J,B	7.1 U		PG/L	K1/B1
BA10B-WO5-0915-1	L1679681-1	WO	N	2,4,4'-TRICHLOROBIPHENYL	20.4	1.4 J	20.4 U		PG/L	K1
BA10B-WO5-0915-1	L1679681-1	WO	N	2,4',5-TRICHLOROBIPHENYL	15.1	1.5 J	15.1 U		PG/L	B1/K1
BA10B-WO5-0915-1	L1679681-1	WO	N	PCB061/070/074/076	1.3	1.3 J,M	1.3 U		PG/L	G4/K1/B1
BA10B-WO75-0915-1	L1679681-2	WO	N	2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	0.40	0.40 J,M	0.40 U		PG/L	B1/G4
BA10B-WO75-0915-1	L1679681-2	WO	N	2,2',3,3',4,4',5-HEPTACHLOROBIPHENYL	0.14	0.19 J,M	0.19 J		PG/L	TR/G4
BA10B-WO75-0915-1	L1679681-2	WO	N	2,2',3,4,4',5,5'-HEPTACHLOROBIPHENYL	0.35	0.35 J,M	0.35 U		PG/L	B1/G4
BA10B-WO75-0915-1	L1679681-2	WO	N	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	0.95	0.95 J,M	0.95 U		PG/L	B1/G4
BA10B-WO75-0915-1	L1679681-2	WO	N	2,2',3,4',5,5',6-HEPTACHLOROBIPHENYL	0.10	0.14 J	0.14 J		PG/L	TR
BA10B-WO75-0915-1	L1679681-2	WO	N	2,2',3,4',5',6-HEXACHLOROBIPHENYL	1.2	0.65 J,B	1.2 U		PG/L	B1
BA10B-WO75-0915-1	L1679681-2	WO	N	2,2',3,4,5'-PENTACHLOROBIPHENYL/2,3',4,4',6-Pentachlorobiphenyl	0.77	0.77 J,M	0.77 U		PG/L	K1/G4
BA10B-WO75-0915-1	L1679681-2	WO	N	2,2',3,5,5',6-HEXACHLOROBIPHENYL	0.42	0.33 J	0.42 U		PG/L	K1/B1
BA10B-WO75-0915-1	L1679681-2	WO	N	2,2',3,5'-TETRACHLOROBIPHENYL	7.3	3.1 J	7.3 U		PG/L	K1/B1
BA10B-WO75-0915-1	L1679681-2	WO	N	2,2',4,4',5,5'-HEXACHLOROBIPHENYL/2,3',4,4',5',6-HEXACHLOROBIPHENYL	1.3	0.71 J	1.3 U		PG/L	B1
BA10B-WO75-0915-1	L1679681-2	WO	N	2,2',4,4',5-PENTACHLOROBIPHENYL	0.51	0.51 J,M	0.51 U		PG/L	K1/G4

Automated Data Review Detail Report for L1679681_kp_edits

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1668C		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
BA10B-WO75-0915-1	L1679681-2	WO	N	2,2',4,5,5'-PENTACHLOROBIPHENYL	2.3	1.1 J	2.3 U		PG/L	K1
BA10B-WO75-0915-1	L1679681-2	WO	N	2,2',4,5'-TETRACHLOROBIPHENYL	0.93	0.93 J,M	0.93 U		PG/L	K1/G4/B1
BA10B-WO75-0915-1	L1679681-2	WO	N	2,2',5,5'-TETRACHLOROBIPHENYL	6.8	2.1 J,B	6.8 U		PG/L	K1/B1
BA10B-WO75-0915-1	L1679681-2	WO	N	2,2',5-TRICHLOROBIPHENYL	7.3	2.2 J,B	7.3 U		PG/L	K1/B1
BA10B-WO75-0915-1	L1679681-2	WO	N	2,3,3',4,4',5'-Hexachlorobiphenyl/2,3,3',4,4',5'-Hexachlorobiphenyl	0.91	0.16 J,B	0.91 U		PG/L	B1
BA10B-WO75-0915-1	L1679681-2	WO	N	2,3,3',4,4'-PENTACHLOROBIPHENYL	0.26	0.26 J,M	0.26 U		PG/L	K1/G4
BA10B-WO75-0915-1	L1679681-2	WO	N	2,3,3',4',6-PENTACHLOROBIPHENYL	1.2	1.2 J,M	1.2 U		PG/L	K1/G4
BA10B-WO75-0915-1	L1679681-2	WO	N	2,3',4,4',5-PENTACHLOROBIPHENYL	2.1	0.67 J	2.1 U		PG/L	K1
BA10B-WO75-0915-1	L1679681-2	WO	N	2,3',4,4'-TETRACHLOROBIPHENYL	0.69	0.69 J,M	0.69 U		PG/L	K1/B1/G4
BA10B-WO75-0915-1	L1679681-2	WO	N	2,4,4'-TRICHLOROBIPHENYL	20.4	2.4 J	20.4 U		PG/L	K1
BA10B-WO75-0915-1	L1679681-2	WO	N	2,4',5-TRICHLOROBIPHENYL	15.1	1.9 J	15.1 U		PG/L	B1/K1
BA10B-WO75-0915-1	L1679681-2	WO	N	2,4'-DICHLOROBIPHENYL	1.9	1.9 J,M	1.9 U		PG/L	G4/K1
BA10B-WO75-0915-1	L1679681-2	WO	N	3,4,4'-TRICHLOROBIPHENYL	0.36	0.36 J,M	0.36 U		PG/L	K1/B1/G4
BA10B-WO75-0915-1	L1679681-2	WO	N	PCB061/070/074/076	10.9	1.5 J	10.9 U		PG/L	K1/B1
BA10C-WO30-0915-1	L1679681-5	WO	N	2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	2.8	1.3 J,B	2.8 U		PG/L	B1
BA10C-WO30-0915-1	L1679681-5	WO	N	2,2',3,4,4',5,5'-HEPTACHLOROBIPHENYL	0.17	0.37 J	0.37 J	+	PG/L	K1/TR
BA10C-WO30-0915-1	L1679681-5	WO	N	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	1.6	0.92 J,B	1.6 U		PG/L	B1
BA10C-WO30-0915-1	L1679681-5	WO	N	2,2',3,4',5,5',6-HEPTACHLOROBIPHENYL	0.17	0.21 J,M	0.21 J		PG/L	TR/G4
BA10C-WO30-0915-1	L1679681-5	WO	N	2,2',3,4',5',6-HEXACHLOROBIPHENYL	1.1	0.71 J	1.1 U		PG/L	B1
BA10C-WO30-0915-1	L1679681-5	WO	N	2,2',3,4,5'-PENTACHLOROBIPHENYL/2,3',4,4',6-Pentachlorobiphenyl	1.3	1.3 J,M	1.3 U		PG/L	K1/B1/G4

Automated Data Review Detail Report for L1679681_kp_edits

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1668C		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
BA10C-WO30-0915-1	L1679681-5	WO	N	2,2',3,5'-TETRACHLOROBIPHENYL	7.6	4.8 J,B	7.6 U		PG/L	B1
BA10C-WO30-0915-1	L1679681-5	WO	N	2,2',4,4',5,5'-HEXACHLOROBIPHENYL/2,3',4',5',6'-HEXACHLOROBIPHENYL	0.16	0.76 J	0.76 J	+	PG/L	TR/B1
BA10C-WO30-0915-1	L1679681-5	WO	N	2,2',4,4',5-PENTACHLOROBIPHENYL	1.5	0.94 J,B	1.5 U		PG/L	B1
BA10C-WO30-0915-1	L1679681-5	WO	N	2,2',4,5,5'-PENTACHLOROBIPHENYL	2.4	1.5 J,B	2.4 U		PG/L	K1
BA10C-WO30-0915-1	L1679681-5	WO	N	2,2',4,5'-TETRACHLOROBIPHENYL	3.0	2.1 J,B	3.0 U		PG/L	K1/B1
BA10C-WO30-0915-1	L1679681-5	WO	N	2,2',5,5'-TETRACHLOROBIPHENYL	6.8	4.3 J	6.8 U		PG/L	K1/B1
BA10C-WO30-0915-1	L1679681-5	WO	N	2,2',5-TRICHLOROBIPHENYL	7.3	4.7 J,B	7.3 U		PG/L	K1/B1
BA10C-WO30-0915-1	L1679681-5	WO	N	2,3,3',4,4'-PENTACHLOROBIPHENYL	1.7	0.94 J,B	1.7 U		PG/L	B1
BA10C-WO30-0915-1	L1679681-5	WO	N	2,3,3',4',6-PENTACHLOROBIPHENYL	2.9	2.3 J	2.9 U		PG/L	K1/B1
BA10C-WO30-0915-1	L1679681-5	WO	N	2,3',4,4',5-PENTACHLOROBIPHENYL	2.1	1.4 J,B	2.1 U		PG/L	K1/B1
BA10C-WO30-0915-1	L1679681-5	WO	N	2,3',4,4'-TETRACHLOROBIPHENYL	7.1	4.6 J	7.1 U		PG/L	K1/B1
BA10C-WO30-0915-1	L1679681-5	WO	N	2,4,4'-TRICHLOROBIPHENYL	23.3	15.7 B	23.3 U		PG/L	B1
BA10C-WO30-0915-1	L1679681-5	WO	N	2,4',5-TRICHLOROBIPHENYL	15.1	10.6 J,B	15.1 U		PG/L	B1/K1
BA10C-WO30-0915-1	L1679681-5	WO	N	2,4'-DICHLOROBIPHENYL	30.1	9.7 J,B	30.1 U		PG/L	B1
BA10C-WO30-0915-1	L1679681-5	WO	N	3,3',4,4'-TETRACHLOROBIPHENYL	0.36	0.78 J	0.78 J	+	PG/L	K1/TR
BA10C-WO30-0915-1	L1679681-5	WO	N	3,4,4'-TRICHLOROBIPHENYL	7.3	7.1 J,B	7.3 U		PG/L	B1/K1
BA10C-WO30-0915-1	L1679681-5	WO	N	PCB061/070/074/076	11.5	6.7 J,B	11.5 U		PG/L	B1
BA10C-WO5-0915-1	L1679681-4	WO	N	2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	2.8	1.5 J,B	2.8 U		PG/L	B1
BA10C-WO5-0915-1	L1679681-4	WO	N	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	1.6	1.2 J,B	1.6 U		PG/L	B1
BA10C-WO5-0915-1	L1679681-4	WO	N	2,2',3,4',5',6'-HEXACHLOROBIPHENYL	0.82	0.82 J,M	0.82 U		PG/L	B1/G4

Automated Data Review Detail Report for L1679681_kp_edits

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1668C		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
BA10C-WO5-0915-1	L1679681-4	WO	N	2,2',3,4,5'-PENTACHLOROBIPHENYL/2,3',4,4',6-Pentachlorobiphenyl	2.1	2.0 J,B	2.1 U		PG/L	K1/B1
BA10C-WO5-0915-1	L1679681-4	WO	N	2,2',3,5'-TETRACHLOROBIPHENYL	7.6	8.7 J,B	7.6 U		PG/L	B1
BA10C-WO5-0915-1	L1679681-4	WO	N	2,2',4,4',5,5'-HEXACHLOROBIPHENYL/2,3',4,4',5,6'-HEXACHLOROBIPHENYL	1.3	1.0 J	1.3 U		PG/L	B1
BA10C-WO5-0915-1	L1679681-4	WO	N	2,2',4,4',5-PENTACHLOROBIPHENYL	1.1	1.1 J,M	1.1 U		PG/L	B1/G4
BA10C-WO5-0915-1	L1679681-4	WO	N	2,2',4,5,5'-PENTACHLOROBIPHENYL	0.30	2.4 J,B	2.4 J	+	PG/L	K1/TR
BA10C-WO5-0915-1	L1679681-4	WO	N	2,2',4,5'-TETRACHLOROBIPHENYL	3.0	2.5 J,B	3.0 U		PG/L	K1/B1
BA10C-WO5-0915-1	L1679681-4	WO	N	2,2',5,5'-TETRACHLOROBIPHENYL	6.8	5.6 J	6.8 U		PG/L	K1/B1
BA10C-WO5-0915-1	L1679681-4	WO	N	2,2',5-TRICHLOROBIPHENYL	7.3	5.9 J,B	7.3 U		PG/L	K1/B1
BA10C-WO5-0915-1	L1679681-4	WO	N	2,3,3',4,4'-PENTACHLOROBIPHENYL	1.0	1.0 J,M	1.0 U		PG/L	B1/G4
BA10C-WO5-0915-1	L1679681-4	WO	N	2,3,3',4',6-PENTACHLOROBIPHENYL	0.26	3.1 J	3.1 J	+	PG/L	K1/B1/TR
BA10C-WO5-0915-1	L1679681-4	WO	N	2,3',4,4',5-PENTACHLOROBIPHENYL	2.1	2.1 J,B	2.1 U		PG/L	K1/B1
BA10C-WO5-0915-1	L1679681-4	WO	N	2,3',4,4'-TETRACHLOROBIPHENYL	7.1	6.3 J	7.1 U		PG/L	K1/B1
BA10C-WO5-0915-1	L1679681-4	WO	N	2,4,4'-TRICHLOROBIPHENYL	23.3	18.8 B	23.3 U		PG/L	B1
BA10C-WO5-0915-1	L1679681-4	WO	N	2,4',5-TRICHLOROBIPHENYL	15.1	12.7 J,B	15.1 U		PG/L	B1/K1
BA10C-WO5-0915-1	L1679681-4	WO	N	2,4'-DICHLOROBIPHENYL	11.0	11.0 J,M	11.0 U		PG/L	B1/G4
BA10C-WO5-0915-1	L1679681-4	WO	N	3,3',4,4'-TETRACHLOROBIPHENYL	0.46	0.92 J,M	0.92 J	+	PG/L	K1/TR/G4
BA10C-WO5-0915-1	L1679681-4	WO	N	3,4,4'-TRICHLOROBIPHENYL	7.3	8.6 J,B	7.3 U		PG/L	B1/K1
BA10C-WO5-0915-1	L1679681-4	WO	N	PCB061/070/074/076	11.5	9.8 J,B	11.5 U		PG/L	B1
BA10C-WO55-0915-1	L1679681-6	WO	N	2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	2.8	1.4 J,B	2.8 U		PG/L	B1

Automated Data Review Detail Report for L1679681_kp_edits

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1668C		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
BA10C-WO55-0915-1	L1679681-6	WO	N	2,2',3,3',4,4',5-HEPTACHLOROBIPHENYL	0.16	0.76 J	0.76 J		PG/L	TR
BA10C-WO55-0915-1	L1679681-6	WO	N	2,2',3,3',4,4'-HEXACHLOROBIPHENYL	0.14	0.49 J,M	0.49 J		PG/L	TR/G4
BA10C-WO55-0915-1	L1679681-6	WO	N	2,2',3,3',4,5',6,6'-OctaChloroBiphenyl	0.093	0.16 J	0.16 J		PG/L	TR
BA10C-WO55-0915-1	L1679681-6	WO	N	2,2',3,3',4,5',6'-HEPTACHLOROBIPHENYL	0.17	0.39 J	0.39 J		PG/L	TR
BA10C-WO55-0915-1	L1679681-6	WO	N	2,2',3,4,4',5,5',6-OCTACHLOROBIPHENYL	0.12	0.24 J	0.24 J		PG/L	TR
BA10C-WO55-0915-1	L1679681-6	WO	N	2,2',3,4,4',5,5'-HEPTACHLOROBIPHENYL	0.13	1.1 J	1.1 J	+	PG/L	K1/TR
BA10C-WO55-0915-1	L1679681-6	WO	N	2,2',3,4,4',5',6-HEPTACHLOROBIPHENYL	0.15	0.31 J,M	0.31 J		PG/L	TR/G4
BA10C-WO55-0915-1	L1679681-6	WO	N	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	0.15	3.3 J,B	3.3 J	+	PG/L	B1/TR
BA10C-WO55-0915-1	L1679681-6	WO	N	2,2',3,4',5,5',6-HEPTACHLOROBIPHENYL	0.13	0.79 J	0.79 J		PG/L	TR
BA10C-WO55-0915-1	L1679681-6	WO	N	2,2',3,4',5',6-HEXACHLOROBIPHENYL	0.16	1.9 J,M	1.9 J	+	PG/L	B1/TR/G4
BA10C-WO55-0915-1	L1679681-6	WO	N	2,2',3,4,5'-PENTACHLOROBIPHENYL/2,3',4,4',6-Pentachlorobiphenyl	0.16	2.7 J,B	2.7 J	+	PG/L	TR/K1/B1
BA10C-WO55-0915-1	L1679681-6	WO	N	2,2',3,5,5',6-HEXACHLOROBIPHENYL	0.11	0.96 J	0.96 J	+	PG/L	TR/K1
BA10C-WO55-0915-1	L1679681-6	WO	N	2,2',3,5'-TETRACHLOROBIPHENYL	7.6	5.7 J,B	7.6 U		PG/L	B1
BA10C-WO55-0915-1	L1679681-6	WO	N	2,2',4,4',5,5'-HEXACHLOROBIPHENYL/2,3',4,4',5',6-HEXACHLOROBIPHENYL	0.13	2.6 J	2.6 J	+	PG/L	TR/B1
BA10C-WO55-0915-1	L1679681-6	WO	N	2,2',4,4',5-PENTACHLOROBIPHENYL	0.19	2.5 J,B	2.5 J	+	PG/L	B1/TR
BA10C-WO55-0915-1	L1679681-6	WO	N	2,2',4,5,5'-PENTACHLOROBIPHENYL	0.17	3.5 J,B	3.5 J	+	PG/L	K1/TR
BA10C-WO55-0915-1	L1679681-6	WO	N	2,2',4,5'-TETRACHLOROBIPHENYL	3.0	2.7 J,B	3.0 U		PG/L	K1/B1

Automated Data Review Detail Report for L1679681_kp_edits

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1668C		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
BA10C-WO55-0915-1	L1679681-6	WO	N	2,2',5,5'-TETRACHLOROBIPHENYL	6.8	4.5 J	6.8 U		PG/L	K1/B1
BA10C-WO55-0915-1	L1679681-6	WO	N	2,2',5-TRICHLOROBIPHENYL	7.3	4.3 J,B	7.3 U		PG/L	K1/B1
BA10C-WO55-0915-1	L1679681-6	WO	N	2,3,3',4,4',5'-Hexachlorobiphenyl/2,3,3',4,4',5'-Hexachlorobiphenyl	0.24	0.24 J,M	0.24 J		PG/L	TR/G4
BA10C-WO55-0915-1	L1679681-6	WO	N	2,3,3',4,4',6-HEXACHLOROBIPHENYL	0.11	0.27 J,M	0.27 J		PG/L	TR/G4
BA10C-WO55-0915-1	L1679681-6	WO	N	2,3,3',4,4'-PENTACHLOROBIPHENYL	1.7	1.6 J,B	1.7 U		PG/L	B1
BA10C-WO55-0915-1	L1679681-6	WO	N	2,3,3',4',6-PENTACHLOROBIPHENYL	0.15	4.8 J	4.8 J	+	PG/L	K1/B1/TR
BA10C-WO55-0915-1	L1679681-6	WO	N	2,3',4,4',5-PENTACHLOROBIPHENYL	0.20	3.2 J,B	3.2 J	+	PG/L	K1/B1/TR
BA10C-WO55-0915-1	L1679681-6	WO	N	2,3',4,4'-TETRACHLOROBIPHENYL	7.1	5.8 J	7.1 U		PG/L	K1/B1
BA10C-WO55-0915-1	L1679681-6	WO	N	2,4,4'-TRICHLOROBIPHENYL	23.3	15.0 J,B	23.3 U		PG/L	B1
BA10C-WO55-0915-1	L1679681-6	WO	N	2,4',5-TRICHLOROBIPHENYL	15.1	9.8 J,B	15.1 U		PG/L	B1/K1
BA10C-WO55-0915-1	L1679681-6	WO	N	2,4'-DICHLOROBIPHENYL	30.1	9.5 J,B	30.1 U		PG/L	B1
BA10C-WO55-0915-1	L1679681-6	WO	N	3,3',4,4'-TETRACHLOROBIPHENYL	0.23	0.63 J	0.63 J	+	PG/L	K1/TR
BA10C-WO55-0915-1	L1679681-6	WO	N	3,4,4'-TRICHLOROBIPHENYL	7.3	6.2 J,B	7.3 U		PG/L	B1/K1
BA10C-WO55-0915-1	L1679681-6	WO	N	PCB061/070/074/076	11.5	7.5 J,B	11.5 U		PG/L	B1
T11-WO30-0915-1	L1679681-8	WO	N	2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	0.38	5.2 J,B	5.2 J	+	PG/L	B1/TR
T11-WO30-0915-1	L1679681-8	WO	N	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	0.37	1.6 J,M	1.6 J	+	PG/L	B1/TR/G4
T11-WO30-0915-1	L1679681-8	WO	N	2,2',3,4',5,6-HEXACHLOROBIPHENYL	0.82	0.82 J,M	0.82 U		PG/L	B1/G4
T11-WO30-0915-1	L1679681-8	WO	N	2,2',3,5'-TETRACHLOROBIPHENYL	7.6	3.5 J,B	7.6 U		PG/L	B1
T11-WO30-0915-1	L1679681-8	WO	N	2,2',4,4',5,5'-HEXACHLOROBIPHENYL/2,3',4',4',5',6-HEXACHLOROBIPHENYL	1.3	1.2 J	1.3 U		PG/L	B1

Automated Data Review Detail Report for L1679681_kp_edits

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1668C		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
T11-WO30-0915-1	L1679681-8	WO	N	2,2',4,5'-TETRACHLOROBIPHENYL	1.4	1.4 J,M	1.4 U		PG/L	K1/G4/B1
T11-WO30-0915-1	L1679681-8	WO	N	2,2',5,5'-TETRACHLOROBIPHENYL	3.2	3.2 J,M	3.2 U		PG/L	K1/G4/B1
T11-WO30-0915-1	L1679681-8	WO	N	2,2',5-TRICHLOROBIPHENYL	2.4	2.4 J,M	2.4 U		PG/L	K1/B1/G4
T11-WO30-0915-1	L1679681-8	WO	N	2,3',4,4'-TETRACHLOROBIPHENYL	7.1	4.6 J	7.1 U		PG/L	K1/B1
T11-WO30-0915-1	L1679681-8	WO	N	2,4,4'-TRICHLOROBIPHENYL	23.3	13.3 J,B	23.3 U		PG/L	B1
T11-WO30-0915-1	L1679681-8	WO	N	2,4',5-TRICHLOROBIPHENYL	15.1	8.8 J,B	15.1 U		PG/L	B1/K1
T11-WO30-0915-1	L1679681-8	WO	N	3,4,4'-TRICHLOROBIPHENYL	7.3	4.9 J,B	7.3 U		PG/L	B1/K1
T11-WO30-0915-1	L1679681-8	WO	N	PCB061/070/074/076	11.5	6.5 J,B	11.5 U		PG/L	B1
T11-WO5-0915-1	L1679681-7	WO	N	2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	2.8	1.3 J,B	2.8 U		PG/L	B1
T11-WO5-0915-1	L1679681-7	WO	N	2,2',3,3',4,4',5-HEPTACHLOROBIPHENYL	0.21	0.25 J,M	0.25 J		PG/L	TR/G4
T11-WO5-0915-1	L1679681-7	WO	N	2,2',3,4,4',5,5'-HEPTACHLOROBIPHENYL	0.16	0.27 J,M	0.27 J	+	PG/L	K1/TR/G4
T11-WO5-0915-1	L1679681-7	WO	N	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	0.99	0.99 J,M	0.99 U		PG/L	B1/G4
T11-WO5-0915-1	L1679681-7	WO	N	2,2',3,4',5',6-HEXACHLOROBIPHENYL	0.82	0.82 J,M	0.82 U		PG/L	B1/G4
T11-WO5-0915-1	L1679681-7	WO	N	2,2',3,4,5'-PENTACHLOROBIPHENYL/2,3',4,4',6-Pentachlorobiphenyl	1.4	1.4 J,M	1.4 U		PG/L	K1/B1/G4
T11-WO5-0915-1	L1679681-7	WO	N	2,2',3,5,5',6-HEXACHLOROBIPHENYL	0.42	0.37 J	0.42 U		PG/L	K1
T11-WO5-0915-1	L1679681-7	WO	N	2,2',3,5'-TETRACHLOROBIPHENYL	7.6	4.3 J,B	7.6 U		PG/L	B1
T11-WO5-0915-1	L1679681-7	WO	N	2,2',4,4',5,5'-HEXACHLOROBIPHENYL/2,3',4,4',5,6-HEXACHLOROBIPHENYL	0.68	0.68 J,M	0.68 U		PG/L	G4/B1
T11-WO5-0915-1	L1679681-7	WO	N	2,2',4,4',5-PENTACHLOROBIPHENYL	0.92	0.92 J,M	0.92 U		PG/L	B1/G4
T11-WO5-0915-1	L1679681-7	WO	N	2,2',4,5,5'-PENTACHLOROBIPHENYL	1.6	1.6 J,M	1.6 U		PG/L	K1/G4

Automated Data Review Detail Report for L1679681_kp_edits

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1668C		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
T11-WO5-0915-1	L1679681-7	WO	N	2,2',4,5'-TETRACHLOROBIPHENYL	3.0	1.7 J,B	3.0 U		PG/L	K1/B1
T11-WO5-0915-1	L1679681-7	WO	N	2,2',5,5'-TETRACHLOROBIPHENYL	6.8	4.1 J	6.8 U		PG/L	K1/B1
T11-WO5-0915-1	L1679681-7	WO	N	2,2',5-TRICHLOROBIPHENYL	7.3	4.2 J,B	7.3 U		PG/L	K1/B1
T11-WO5-0915-1	L1679681-7	WO	N	2,3,3',4,4'-PENTACHLOROBIPHENYL	0.84	0.84 J,M	0.84 U		PG/L	B1/G4
T11-WO5-0915-1	L1679681-7	WO	N	2,3,3',4',6-PENTACHLOROBIPHENYL	2.9	2.1 J	2.9 U		PG/L	K1/B1
T11-WO5-0915-1	L1679681-7	WO	N	2,3',4,4',5-PENTACHLOROBIPHENYL	2.1	1.6 J,B	2.1 U		PG/L	K1/B1
T11-WO5-0915-1	L1679681-7	WO	N	2,3',4,4'-TETRACHLOROBIPHENYL	7.1	5.2 J	7.1 U		PG/L	K1/B1
T11-WO5-0915-1	L1679681-7	WO	N	2,4,4'-TRICHLOROBIPHENYL	23.3	15.2 J,B	23.3 U		PG/L	B1
T11-WO5-0915-1	L1679681-7	WO	N	2,4',5-TRICHLOROBIPHENYL	15.1	10.4 J,B	15.1 U		PG/L	B1/K1
T11-WO5-0915-1	L1679681-7	WO	N	2,4'-DICHLOROBIPHENYL	30.1	8.1 J,B	30.1 U		PG/L	B1
T11-WO5-0915-1	L1679681-7	WO	N	3,3',4,4'-TETRACHLOROBIPHENYL	0.30	0.81 J	0.81 J	+	PG/L	K1/TR
T11-WO5-0915-1	L1679681-7	WO	N	3,4,4'-TRICHLOROBIPHENYL	7.3	7.1 J,B	7.3 U		PG/L	B1/K1
T11-WO5-0915-1	L1679681-7	WO	N	PCB061/070/074/076	11.5	7.4 J,B	11.5 U		PG/L	B1
T11-WO55-0915-1	L1679681-9	WO	N	2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	2.8	1.1 J,B	2.8 U		PG/L	B1
T11-WO55-0915-1	L1679681-9	WO	N	2,2',3,4,4',5,5'-HEPTACHLOROBIPHENYL	0.17	0.25 J,M	0.25 J	+	PG/L	K1/TR/G4
T11-WO55-0915-1	L1679681-9	WO	N	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	1.6	1.2 J,B	1.6 U		PG/L	B1
T11-WO55-0915-1	L1679681-9	WO	N	2,2',3,4',5,5',6-HEPTACHLOROBIPHENYL	0.17	0.27 J	0.27 J		PG/L	TR
T11-WO55-0915-1	L1679681-9	WO	N	2,2',3,4',5',6-HEXACHLOROBIPHENYL	0.59	0.59 J,M	0.59 U		PG/L	B1/G4
T11-WO55-0915-1	L1679681-9	WO	N	2,2',3,4,5'-PENTACHLOROBIPHENYL/2,3',4,4',6-Pentachlorobiphenyl	2.1	1.4 J,B	2.1 U		PG/L	K1/B1
T11-WO55-0915-1	L1679681-9	WO	N	2,2',3,5,5',6-HEXACHLOROBIPHENYL	0.42	0.31 J	0.42 U		PG/L	K1

Automated Data Review Detail Report for L1679681_kp_edits

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1668C		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
T11-WO55-0915-1	L1679681-9	WO	N	2,2',3,5'-TETRACHLOROBIPHENYL	4.1	4.1 J,M	4.1 U		PG/L	B1/G4
T11-WO55-0915-1	L1679681-9	WO	N	2,2',4,4',5,5'-HEXACHLOROBIPHENYL/2,3',4',5',6'-HEXACHLOROBIPHENYL	1.3	0.76 J	1.3 U		PG/L	B1
T11-WO55-0915-1	L1679681-9	WO	N	2,2',4,4',5-PENTACHLOROBIPHENYL	0.79	0.79 J,M	0.79 U		PG/L	B1/G4
T11-WO55-0915-1	L1679681-9	WO	N	2,2',4,5,5'-PENTACHLOROBIPHENYL	2.4	1.4 J,B	2.4 U		PG/L	K1
T11-WO55-0915-1	L1679681-9	WO	N	2,2',4,5'-TETRACHLOROBIPHENYL	3.0	1.9 J,B	3.0 U		PG/L	K1/B1
T11-WO55-0915-1	L1679681-9	WO	N	2,2',5,5'-TETRACHLOROBIPHENYL	6.8	4.1 J	6.8 U		PG/L	K1/B1
T11-WO55-0915-1	L1679681-9	WO	N	2,2',5-TRICHLOROBIPHENYL	7.3	5.1 J,B	7.3 U		PG/L	K1/B1
T11-WO55-0915-1	L1679681-9	WO	N	2,3,3',4,4'-PENTACHLOROBIPHENYL	1.7	0.79 J,B	1.7 U		PG/L	B1
T11-WO55-0915-1	L1679681-9	WO	N	2,3,3',4',6-PENTACHLOROBIPHENYL	2.9	2.0 J	2.9 U		PG/L	K1/B1
T11-WO55-0915-1	L1679681-9	WO	N	2,3',4,4',5-PENTACHLOROBIPHENYL	2.1	1.4 J,B	2.1 U		PG/L	K1/B1
T11-WO55-0915-1	L1679681-9	WO	N	2,3',4,4'-TETRACHLOROBIPHENYL	7.1	4.3 J	7.1 U		PG/L	K1/B1
T11-WO55-0915-1	L1679681-9	WO	N	2,4,4'-TRICHLOROBIPHENYL	23.3	16.5 B	23.3 U		PG/L	B1
T11-WO55-0915-1	L1679681-9	WO	N	2,4',5-TRICHLOROBIPHENYL	15.1	10.6 J,B	15.1 U		PG/L	B1/K1
T11-WO55-0915-1	L1679681-9	WO	N	2,4'-DICHLOROBIPHENYL	30.1	10.3 J,B	30.1 U		PG/L	B1
T11-WO55-0915-1	L1679681-9	WO	N	3,3',4,4'-TETRACHLOROBIPHENYL	0.42	0.42 J,M	0.42 U		PG/L	K1/G4
T11-WO55-0915-1	L1679681-9	WO	N	3,4,4'-TRICHLOROBIPHENYL	7.3	6.1 J,B	7.3 U		PG/L	B1/K1
T11-WO55-0915-1	L1679681-9	WO	N	PCB061/070/074/076	11.5	6.5 J,B	11.5 U		PG/L	B1
T11-WO58-0915-1	L1679681-10	WO	N	2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	0.87	0.87 J,M	0.87 U		PG/L	B1/G4
T11-WO58-0915-1	L1679681-10	WO	N	2,2',3,3',4,4'-HEXACHLOROBIPHENYL	0.15	0.15 J,M	0.15 J		PG/L	TR/G4
T11-WO58-0915-1	L1679681-10	WO	N	2,2',3,4,4',5,5'-HEPTACHLOROBIPHENYL	0.17	0.36 J,M	0.36 J	+	PG/L	K1/TR/G4

Automated Data Review Detail Report for L1679681_kp_edits

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1668C		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
T11-WO58-0915-1	L1679681-10	WO	N	2,2',3,4,4',5'- HEXACHLOROBIPHENYL	1.6	1.1 J,B	1.6 U		PG/L	B1
T11-WO58-0915-1	L1679681-10	WO	N	2,2',3,4',5',6- HEXACHLOROBIPHENYL	0.64	0.64 J,M	0.64 U		PG/L	B1/G4
T11-WO58-0915-1	L1679681-10	WO	N	2,2',3,4,5'- PENTACHLOROBIPHENYL/2,3', 4,4',6-Pentachlorobiphenyl	1.5	1.5 J,M	1.5 U		PG/L	K1/B1/G4
T11-WO58-0915-1	L1679681-10	WO	N	2,2',3,5',6- HEXACHLOROBIPHENYL	0.29	0.29 J,M	0.29 U		PG/L	K1/G4
T11-WO58-0915-1	L1679681-10	WO	N	2,2',3,5'- TETRACHLOROBIPHENYL	7.6	5.1 J,B	7.6 U		PG/L	B1
T11-WO58-0915-1	L1679681-10	WO	N	2,2',4,4',5,5'- HEXACHLOROBIPHENYL/2,3',4 ,4',5',6- HEXACHLOROBIPHENYL	0.72	0.72 J,M	0.72 U		PG/L	G4/B1
T11-WO58-0915-1	L1679681-10	WO	N	2,2',4,4',5- PENTACHLOROBIPHENYL	1.5	1.1 J,B	1.5 U		PG/L	B1
T11-WO58-0915-1	L1679681-10	WO	N	2,2',4,5,5'- PENTACHLOROBIPHENYL	2.4	1.7 J,B	2.4 U		PG/L	K1
T11-WO58-0915-1	L1679681-10	WO	N	2,2',4,5'- TETRACHLOROBIPHENYL	3.0	2.0 J,B	3.0 U		PG/L	K1/B1
T11-WO58-0915-1	L1679681-10	WO	N	2,2',5,5'- TETRACHLOROBIPHENYL	6.8	4.8 J	6.8 U		PG/L	K1/B1
T11-WO58-0915-1	L1679681-10	WO	N	2,2',5-TRICHLOROBIPHENYL	7.3	5.0 J,B	7.3 U		PG/L	K1/B1
T11-WO58-0915-1	L1679681-10	WO	N	2,3,3',4,4'- PENTACHLOROBIPHENYL	1.7	0.86 J,B	1.7 U		PG/L	B1
T11-WO58-0915-1	L1679681-10	WO	N	2,3,3',4',6- PENTACHLOROBIPHENYL	2.1	2.1 J,M	2.1 U		PG/L	K1/B1/G4
T11-WO58-0915-1	L1679681-10	WO	N	2,3',4,4',5- PENTACHLOROBIPHENYL	2.1	1.6 J,B	2.1 U		PG/L	K1/B1
T11-WO58-0915-1	L1679681-10	WO	N	2,3',4,4'- TETRACHLOROBIPHENYL	7.1	4.6 J	7.1 U		PG/L	K1/B1
T11-WO58-0915-1	L1679681-10	WO	N	2,4,4'-TRICHLOROBIPHENYL	23.3	17.3 B	23.3 U		PG/L	B1
T11-WO58-0915-1	L1679681-10	WO	N	2,4',5-TRICHLOROBIPHENYL	15.1	11.4 J,B	15.1 U		PG/L	B1/K1
T11-WO58-0915-1	L1679681-10	WO	N	2,4'-DICHLOROBIPHENYL	8.4	8.4 J,M	8.4 U		PG/L	B1/G4

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EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1668C		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
T11-WO58-0915-1	L1679681-10	WO	N	3,3',4,4'-TETRACHLOROBIPHENYL	0.46	0.46 J,M	0.46 U		PG/L	K1/G4
T11-WO58-0915-1	L1679681-10	WO	N	3,4,4'-TRICHLOROBIPHENYL	7.3	6.6 J,B	7.3 U		PG/L	B1/K1
T11-WO58-0915-1	L1679681-10	WO	N	PCB061/070/074/076	11.5	7.7 J,B	11.5 U		PG/L	B1
WQ-ER3-0915-1	L1679681-11	WQ	EB	2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	2.8	1.2 J,B	2.8 U		PG/L	B1
WQ-ER3-0915-1	L1679681-11	WQ	EB	2,2',3,4,4',5,5'-HEPTACHLOROBIPHENYL	0.16	0.16 J,M	0.16 J		PG/L	TR/G4
WQ-ER3-0915-1	L1679681-11	WQ	EB	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	1.6	1.1 J,B	1.6 U		PG/L	B1
WQ-ER3-0915-1	L1679681-11	WQ	EB	2,2',3,4',5',6'-HEXACHLOROBIPHENYL	1.1	0.86 J	1.1 U		PG/L	B1
WQ-ER3-0915-1	L1679681-11	WQ	EB	2,2',3,4,5'-PENTACHLOROBIPHENYL/2,3',4,4',6-Pentachlorobiphenyl	0.22	2.1 J,B	2.1 J	+	PG/L	TR/B1
WQ-ER3-0915-1	L1679681-11	WQ	EB	2,2',3,5,5',6'-HEXACHLOROBIPHENYL	0.099	0.42 J	0.42 J		PG/L	TR
WQ-ER3-0915-1	L1679681-11	WQ	EB	2,2',3,5'-TETRACHLOROBIPHENYL	7.6	7.3 J,B	7.6 U		PG/L	B1
WQ-ER3-0915-1	L1679681-11	WQ	EB	2,2',4,4',5,5'-HEXACHLOROBIPHENYL/2,3',4,4',5',6'-HEXACHLOROBIPHENYL	0.73	0.73 J,M	0.73 U		PG/L	G4/B1
WQ-ER3-0915-1	L1679681-11	WQ	EB	2,2',4,4',5'-PENTACHLOROBIPHENYL	1.5	1.4 J,B	1.5 U		PG/L	B1
WQ-ER3-0915-1	L1679681-11	WQ	EB	2,2',4,5,5'-PENTACHLOROBIPHENYL	2.4	2.3 J,B	2.4 U		PG/L	K1
WQ-ER3-0915-1	L1679681-11	WQ	EB	2,2',4,5'-TETRACHLOROBIPHENYL	0.24	3.0 J,B	3.0 J	+	PG/L	B1/TR
WQ-ER3-0915-1	L1679681-11	WQ	EB	2,2',5,5'-TETRACHLOROBIPHENYL	0.29	6.8 J	6.8 J	+	PG/L	TR/B1
WQ-ER3-0915-1	L1679681-11	WQ	EB	2,2',5-TRICHLOROBIPHENYL	0.22	7.3 J,B	7.3 J	+	PG/L	B1/TR
WQ-ER3-0915-1	L1679681-11	WQ	EB	2,3,3',4,4'-PENTACHLOROBIPHENYL	1.7	1.2 J,B	1.7 U		PG/L	B1
WQ-ER3-0915-1	L1679681-11	WQ	EB	2,3,3',4',6'-PENTACHLOROBIPHENYL	0.20	2.9 J	2.9 J	+	PG/L	TR/B1

Automated Data Review Detail Report for L1679681_kp_edits

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1668C		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
WQ-ER3-0915-1	L1679681-11	WQ	EB	2,3',4,4',5-PENTACHLOROBIPHENYL	0.23	2.1 J,B	2.1 J	+	PG/L	B1/TR
WQ-ER3-0915-1	L1679681-11	WQ	EB	2,3',4,4'-TETRACHLOROBIPHENYL	0.28	7.1 J	7.1 J	+	PG/L	TR/B1
WQ-ER3-0915-1	L1679681-11	WQ	EB	2,4,4'-TRICHLOROBIPHENYL	23.3	20.4 B	23.3 U		PG/L	B1
WQ-ER3-0915-1	L1679681-11	WQ	EB	2,4',5-TRICHLOROBIPHENYL	0.18	15.1 J,B	15.1 J	+	PG/L	B1/K1/TR
WQ-ER3-0915-1	L1679681-11	WQ	EB	2,4'-DICHLOROBIPHENYL	30.1	9.7 J,B	30.1 U		PG/L	B1
WQ-ER3-0915-1	L1679681-11	WQ	EB	3,3',4,4'-TETRACHLOROBIPHENYL	0.29	0.61 J,M	0.61 J	+	PG/L	TR/B1/G4
WQ-ER3-0915-1	L1679681-11	WQ	EB	3,4,4'-TRICHLOROBIPHENYL	0.20	7.3 J,B	7.3 J	+	PG/L	B1/TR
WQ-ER3-0915-1	L1679681-11	WQ	EB	PCB061/070/074/076	11.5	10.9 J,B	11.5 U		PG/L	B1

Test Method: E1699		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
BA10B-WO145-0915-1	L1679681-3	WO	N	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0007	0.0081 J	0.0081 J		NG/L	B1/H2/TR
BA10B-WO145-0915-1	L1679681-3	WO	N	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.030	0.066 J	0.066 J	-	NG/L	H2/TR
BA10B-WO145-0915-1	L1679681-3	WO	N	o,p'-DDD	0.0066	0.0066 U	0.0066 UJ		NG/L	H2/C11/G1
BA10B-WO145-0915-1	L1679681-3	WO	N	o,p'-DDE	0.0025	0.026 J,B	0.026 J	+	NG/L	B1/H2/TR
BA10B-WO145-0915-1	L1679681-3	WO	N	o,p'-DDT	0.036	0.036 U	0.036 UJ		NG/L	H2/C11
BA10B-WO145-0915-1	L1679681-3	WO	N	p,p'-DDD	0.014	0.018 J,B	0.018 J		NG/L	B1/H2/TR
BA10B-WO145-0915-1	L1679681-3	WO	N	p,p'-DDE	0.0063	0.14 B	0.14 J		NG/L	H2/B1
BA10B-WO145-0915-1	L1679681-3	WO	N	p,p'-DDT	0.068	0.068 U	0.068 UJ		NG/L	H2
BA10B-WO5-0915-1	L1679681-1	WO	N	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0003	0.0003 U	0.0003 UJ		NG/L	H2
BA10B-WO5-0915-1	L1679681-1	WO	N	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.0091	0.0091 U	0.0091 UJ		NG/L	H2
BA10B-WO5-0915-1	L1679681-1	WO	N	o,p'-DDD	0.0029	0.0029 U	0.0029 UJ		NG/L	H2
BA10B-WO5-0915-1	L1679681-1	WO	N	o,p'-DDE	0.0009	0.0031 J	0.0031 J	-	NG/L	H2/TR

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EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1699		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
BA10B-WO5-0915-1	L1679681-1	WO	N	o,p'-DDT	0.0095	0.0095 U	0.0095 UJ		NG/L	H2
BA10B-WO5-0915-1	L1679681-1	WO	N	p,p'-DDD	0.0068	0.0068 U	0.0068 UJ		NG/L	H2
BA10B-WO5-0915-1	L1679681-1	WO	N	p,p'-DDE	0.0031	0.012 J,B	0.012 J	+	NG/L	K1/B1/H2/TR
BA10B-WO5-0915-1	L1679681-1	WO	N	p,p'-DDT	0.045	0.045 U	0.045 UJ		NG/L	H2
BA10B-WO75-0915-1	L1679681-2	WO	N	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0004	0.0004 U	0.0004 UJ		NG/L	H2
BA10B-WO75-0915-1	L1679681-2	WO	N	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.012	0.012 U	0.012 UJ		NG/L	H2
BA10B-WO75-0915-1	L1679681-2	WO	N	o,p'-DDD	0.0030	0.0030 U	0.0030 UJ		NG/L	H2
BA10B-WO75-0915-1	L1679681-2	WO	N	o,p'-DDE	0.0013	0.0013 U	0.0013 UJ		NG/L	H2
BA10B-WO75-0915-1	L1679681-2	WO	N	o,p'-DDT	0.016	0.016 U	0.016 UJ		NG/L	H2
BA10B-WO75-0915-1	L1679681-2	WO	N	p,p'-DDD	0.011	0.011 U	0.011 UJ		NG/L	H2
BA10B-WO75-0915-1	L1679681-2	WO	N	p,p'-DDE	0.0041	0.015 J,B	0.015 J	+	NG/L	K1/B1/H2/TR
BA10B-WO75-0915-1	L1679681-2	WO	N	p,p'-DDT	0.060	0.060 U	0.060 UJ		NG/L	H2
BA10C-WO30-0915-1	L1679681-5	WO	N	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0006	0.0006 U	0.0006 UJ		NG/L	H2
BA10C-WO30-0915-1	L1679681-5	WO	N	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.022	0.022 U	0.022 UJ		NG/L	H2
BA10C-WO30-0915-1	L1679681-5	WO	N	o,p'-DDD	0.0048	0.0048 U	0.0048 UJ		NG/L	H2/C11/G1
BA10C-WO30-0915-1	L1679681-5	WO	N	o,p'-DDE	0.010	0.0037 J,B	0.010 U		NG/L	B1/H2
BA10C-WO30-0915-1	L1679681-5	WO	N	o,p'-DDT	0.023	0.023 U	0.023 UJ		NG/L	H2/C11
BA10C-WO30-0915-1	L1679681-5	WO	N	p,p'-DDD	0.0089	0.0089 U	0.0089 UJ		NG/L	H2
BA10C-WO30-0915-1	L1679681-5	WO	N	p,p'-DDE	0.022	0.014 J,B	0.022 U		NG/L	K1/B1/H2
BA10C-WO30-0915-1	L1679681-5	WO	N	p,p'-DDT	0.076	0.076 U	0.076 UJ		NG/L	H2
BA10C-WO5-0915-1	L1679681-4	WO	N	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0007	0.0007 U	0.0007 UJ		NG/L	H2
BA10C-WO5-0915-1	L1679681-4	WO	N	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.027	0.027 U	0.027 UJ		NG/L	H2
BA10C-WO5-0915-1	L1679681-4	WO	N	o,p'-DDD	0.0049	0.0049 U	0.0049 UJ		NG/L	H2/C11/G1
BA10C-WO5-0915-1	L1679681-4	WO	N	o,p'-DDE	0.010	0.0067 J,B	0.010 U		NG/L	B1/H2
BA10C-WO5-0915-1	L1679681-4	WO	N	o,p'-DDT	0.027	0.027 U	0.027 UJ		NG/L	H2/C11

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EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1699		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
BA10C-WO5-0915-1	L1679681-4	WO	N	p,p'-DDD	0.010	0.010 U	0.010 UJ		NG/L	H2
BA10C-WO5-0915-1	L1679681-4	WO	N	p,p'-DDE	0.0069	0.022 J,B	0.022 J		NG/L	K1/B1/H2/TR
BA10C-WO5-0915-1	L1679681-4	WO	N	p,p'-DDT	0.087	0.087 U	0.087 UJ		NG/L	H2
BA10C-WO55-0915-1	L1679681-6	WO	N	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0007	0.011 J	0.011 J		NG/L	B1/H2/TR
BA10C-WO55-0915-1	L1679681-6	WO	N	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.024	0.099	0.099 J	-	NG/L	H2
BA10C-WO55-0915-1	L1679681-6	WO	N	o,p'-DDD	0.020	0.020 J,M	0.020 U		NG/L	B1/H2/G4/G1
BA10C-WO55-0915-1	L1679681-6	WO	N	o,p'-DDE	0.0026	0.044 J,B	0.044 J	+	NG/L	B1/H2/TR
BA10C-WO55-0915-1	L1679681-6	WO	N	o,p'-DDT	0.021	0.021 U	0.021 UJ		NG/L	H2/C11
BA10C-WO55-0915-1	L1679681-6	WO	N	p,p'-DDD	0.023	0.023 J,M	0.023 J		NG/L	B1/H2/TR/G4
BA10C-WO55-0915-1	L1679681-6	WO	N	p,p'-DDE	0.0067	0.26	0.26 J		NG/L	H2/B1
BA10C-WO55-0915-1	L1679681-6	WO	N	p,p'-DDT	0.024	0.024 J,M	0.024 J	-	NG/L	H2/TR/G4
T11-WO30-0915-1	L1679681-8	WO	N	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0008	0.0008 U	0.0008 UJ		NG/L	H2/X2
T11-WO30-0915-1	L1679681-8	WO	N	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.028	0.028 U	0.028 UJ		NG/L	H2/X2
T11-WO30-0915-1	L1679681-8	WO	N	o,p'-DDD	0.0068	0.0068 U	0.0068 UJ		NG/L	H2/C11/X2/G1
T11-WO30-0915-1	L1679681-8	WO	N	o,p'-DDE	0.010	0.0057 J,B	0.010 U		NG/L	B1/H2/X2
T11-WO30-0915-1	L1679681-8	WO	N	o,p'-DDT	0.028	0.028 U	0.028 UJ		NG/L	H2/C11/X2
T11-WO30-0915-1	L1679681-8	WO	N	p,p'-DDD	0.011	0.011 U	0.011 UJ		NG/L	H2/X2
T11-WO30-0915-1	L1679681-8	WO	N	p,p'-DDE	0.0085	0.031 J,B	0.031 J		NG/L	K1/B1/H2/TR/X2
T11-WO30-0915-1	L1679681-8	WO	N	p,p'-DDT	0.087	0.087 U	0.087 UJ		NG/L	H2/X2
T11-WO5-0915-1	L1679681-7	WO	N	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0006	0.0006 U	0.0006 UJ		NG/L	H2
T11-WO5-0915-1	L1679681-7	WO	N	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.023	0.023 U	0.023 UJ		NG/L	H2
T11-WO5-0915-1	L1679681-7	WO	N	o,p'-DDD	0.0061	0.0061 U	0.0061 UJ		NG/L	H2/C11/G1
T11-WO5-0915-1	L1679681-7	WO	N	o,p'-DDE	0.0033	0.0033 U	0.0033 UJ		NG/L	H2
T11-WO5-0915-1	L1679681-7	WO	N	o,p'-DDT	0.024	0.024 U	0.024 UJ		NG/L	H2/C11
T11-WO5-0915-1	L1679681-7	WO	N	p,p'-DDD	0.0091	0.0091 U	0.0091 UJ		NG/L	H2

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EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1699		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
T11-WO5-0915-1	L1679681-7	WO	N	p,p'-DDE	0.022	0.018 J,B	0.022 U		NG/L	K1/B1/H2
T11-WO5-0915-1	L1679681-7	WO	N	p,p'-DDT	0.076	0.076 U	0.076 UJ		NG/L	H2
T11-WO55-0915-1	L1679681-9	WO	N	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0007	0.0007 U	0.0007 UJ		NG/L	H2/X2
T11-WO55-0915-1	L1679681-9	WO	N	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.038	0.038 U	0.038 UJ		NG/L	H2/X2
T11-WO55-0915-1	L1679681-9	WO	N	o,p'-DDD	0.0058	0.0058 U	0.0058 UJ		NG/L	H2/X2/G1
T11-WO55-0915-1	L1679681-9	WO	N	o,p'-DDE	0.0030	0.0030 U	0.0030 UJ		NG/L	H2/X2
T11-WO55-0915-1	L1679681-9	WO	N	o,p'-DDT	0.027	0.027 M,U	0.027 UJ		NG/L	H2/C11/X2
T11-WO55-0915-1	L1679681-9	WO	N	p,p'-DDD	0.010	0.010 M,U	0.010 UJ		NG/L	H2/X2
T11-WO55-0915-1	L1679681-9	WO	N	p,p'-DDE	0.022	0.018 J,B	0.022 U		NG/L	K1/B1/H2/X2
T11-WO55-0915-1	L1679681-9	WO	N	p,p'-DDT	0.076	0.076 U	0.076 UJ		NG/L	H2/X2
T11-WO58-0915-1	L1679681-10	WO	N	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0006	0.0006 U	0.0006 UJ		NG/L	H2
T11-WO58-0915-1	L1679681-10	WO	N	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.025	0.025 U	0.025 UJ		NG/L	H2
T11-WO58-0915-1	L1679681-10	WO	N	o,p'-DDD	0.0065	0.0065 U	0.0065 UJ		NG/L	H2/C11/G1
T11-WO58-0915-1	L1679681-10	WO	N	o,p'-DDE	0.0027	0.0027 U	0.0027 UJ		NG/L	H2
T11-WO58-0915-1	L1679681-10	WO	N	o,p'-DDT	0.030	0.030 U	0.030 UJ		NG/L	H2/C11
T11-WO58-0915-1	L1679681-10	WO	N	p,p'-DDD	0.012	0.012 U	0.012 UJ		NG/L	H2
T11-WO58-0915-1	L1679681-10	WO	N	p,p'-DDE	0.022	0.022 J,B	0.022 U		NG/L	K1/B1/H2
T11-WO58-0915-1	L1679681-10	WO	N	p,p'-DDT	0.070	0.070 U	0.070 UJ		NG/L	H2
WQ-ER3-0915-1	L1679681-11	WQ	EB	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0009	0.0009 U	0.0009 UJ		NG/L	H2
WQ-ER3-0915-1	L1679681-11	WQ	EB	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.037	0.037 U	0.037 UJ		NG/L	H2
WQ-ER3-0915-1	L1679681-11	WQ	EB	o,p'-DDD	0.011	0.011 U	0.011 UJ		NG/L	H2/C11/G1
WQ-ER3-0915-1	L1679681-11	WQ	EB	o,p'-DDE	0.0039	0.0039 U	0.0039 UJ		NG/L	H2
WQ-ER3-0915-1	L1679681-11	WQ	EB	o,p'-DDT	0.029	0.029 U	0.029 UJ		NG/L	H2/C11
WQ-ER3-0915-1	L1679681-11	WQ	EB	p,p'-DDD	0.011	0.011 U	0.011 UJ		NG/L	H2
WQ-ER3-0915-1	L1679681-11	WQ	EB	p,p'-DDE	0.022	0.011 J,B	0.022 U		NG/L	B1/H2

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EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1699		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
WQ-ER3-0915-1	L1679681-11	WQ	EB	p,p'-DDT	0.070	0.070 U	0.070 UJ		NG/L	H2

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Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Detected Results

Test Method: E1668C		Extraction Method: METHOD			Leach Method: NONE					
FieldSample ID	LabSample ID	Matrix	Type	Dilution	Analyte	MDL	Lab Result	Qualified Result	Units	Reason
BA10B-WO145-0915-1	L1679681-3	WO	N	1	2,2',3,4,4',5,5'-HEPTACHLOROBIPHENYL	0.46	0.76 J,M	0.76 J	PG/L	K1/TR/G4
BA10B-WO145-0915-1	L1679681-3	WO	N	1	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	0.37	2.2 J,B	2.2 J	PG/L	B1/TR
BA10B-WO145-0915-1	L1679681-3	WO	N	1	2,2',3,4',5',6-HEXACHLOROBIPHENYL	0.40	1.5 J	1.5 J	PG/L	B1/TR
BA10B-WO145-0915-1	L1679681-3	WO	N	1	2,2',4,4',5,5'-HEXACHLOROBIPHENYL/2,3',4,4',5',6-HEXACHLOROBIPHENYL	0.32	1.5 J	1.5 J	PG/L	TR/B1
BA10B-WO145-0915-1	L1679681-3	WO	N	1	2,2',4,4',5-PENTACHLOROBIPHENYL	0.30	1.6 J,B	1.6 J	PG/L	B1/TR
BA10B-WO145-0915-1	L1679681-3	WO	N	1	2,2',4,5,5'-PENTACHLOROBIPHENYL	0.27	2.5 J,B	2.5 J	PG/L	K1/TR
BA10B-WO145-0915-1	L1679681-3	WO	N	1	2,3,3',4',6-PENTACHLOROBIPHENYL	0.23	3.6 J	3.6 J	PG/L	K1/B1/TR
BA10B-WO145-0915-1	L1679681-3	WO	N	1	2,3',4,4',5-PENTACHLOROBIPHENYL	0.31	2.6 J,B	2.6 J	PG/L	K1/B1/TR
BA10B-WO145-0915-1	L1679681-3	WO	N	1	3,3',4,4'-TETRACHLOROBIPHENYL	0.51	0.80 J,M	0.80 J	PG/L	K1/TR/G4
BA10B-WO5-0915-1	L1679681-1	WO	N	1	2,2',3,4',5,5',6-HEPTACHLOROBIPHENYL	0.14	0.24 J,M	0.24 J	PG/L	TR/G4
BA10B-WO5-0915-1	L1679681-1	WO	N	1	2,3,3',4,4',6-HEXACHLOROBIPHENYL	0.088	0.11 J,M	0.11 J	PG/L	TR/G4
BA10B-WO75-0915-1	L1679681-2	WO	N	1	2,2',3,3',4,4',5-HEPTACHLOROBIPHENYL	0.14	0.19 J,M	0.19 J	PG/L	TR/G4
BA10B-WO75-0915-1	L1679681-2	WO	N	1	2,2',3,4',5,5',6-HEPTACHLOROBIPHENYL	0.10	0.14 J	0.14 J	PG/L	TR
BA10C-WO30-0915-1	L1679681-5	WO	N	1	2,2',3,4,4',5,5'-HEPTACHLOROBIPHENYL	0.17	0.37 J	0.37 J	PG/L	K1/TR
BA10C-WO30-0915-1	L1679681-5	WO	N	1	2,2',3,4',5,5',6-HEPTACHLOROBIPHENYL	0.17	0.21 J,M	0.21 J	PG/L	TR/G4
BA10C-WO30-0915-1	L1679681-5	WO	N	1	2,2',4,4',5,5'-HEXACHLOROBIPHENYL/2,3',4,4',5',6-HEXACHLOROBIPHENYL	0.16	0.76 J	0.76 J	PG/L	TR/B1
BA10C-WO30-0915-1	L1679681-5	WO	N	1	3,3',4,4'-TETRACHLOROBIPHENYL	0.36	0.78 J	0.78 J	PG/L	K1/TR
BA10C-WO5-0915-1	L1679681-4	WO	N	1	2,2',4,5,5'-PENTACHLOROBIPHENYL	0.30	2.4 J,B	2.4 J	PG/L	K1/TR
BA10C-WO5-0915-1	L1679681-4	WO	N	1	2,3,3',4',6-PENTACHLOROBIPHENYL	0.26	3.1 J	3.1 J	PG/L	K1/B1/TR
BA10C-WO5-0915-1	L1679681-4	WO	N	1	3,3',4,4'-TETRACHLOROBIPHENYL	0.46	0.92 J,M	0.92 J	PG/L	K1/TR/G4
BA10C-WO55-0915-1	L1679681-6	WO	N	1	2,2',3,3',4,4',5-HEPTACHLOROBIPHENYL	0.16	0.76 J	0.76 J	PG/L	TR

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Detected Results

Test Method: E1668C		Extraction Method: METHOD			Leach Method: NONE					
FieldSample ID	LabSample ID	Matrix	Type	Dilution	Analyte	MDL	Lab Result	Qualified Result	Units	Reason
BA10C-WO55-0915-1	L1679681-6	WO	N	1	2,2',3,3',4,4'-HEXACHLOROBIPHENYL	0.14	0.49 J,M	0.49 J	PG/L	TR/G4
BA10C-WO55-0915-1	L1679681-6	WO	N	1	2,2',3,3',4,5',6,6'-OctaChloroBiphenyl	0.093	0.16 J	0.16 J	PG/L	TR
BA10C-WO55-0915-1	L1679681-6	WO	N	1	2,2',3,3',4,5',6'-HEPTACHLOROBIPHENYL	0.17	0.39 J	0.39 J	PG/L	TR
BA10C-WO55-0915-1	L1679681-6	WO	N	1	2,2',3,4,4',5,5',6-OCTACHLOROBIPHENYL	0.12	0.24 J	0.24 J	PG/L	TR
BA10C-WO55-0915-1	L1679681-6	WO	N	1	2,2',3,4,4',5,5'-HEPTACHLOROBIPHENYL	0.13	1.1 J	1.1 J	PG/L	K1/TR
BA10C-WO55-0915-1	L1679681-6	WO	N	1	2,2',3,4,4',5',6-HEPTACHLOROBIPHENYL	0.15	0.31 J,M	0.31 J	PG/L	TR/G4
BA10C-WO55-0915-1	L1679681-6	WO	N	1	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	0.15	3.3 J,B	3.3 J	PG/L	B1/TR
BA10C-WO55-0915-1	L1679681-6	WO	N	1	2,2',3,4',5,5',6-HEPTACHLOROBIPHENYL	0.13	0.79 J	0.79 J	PG/L	TR
BA10C-WO55-0915-1	L1679681-6	WO	N	1	2,2',3,4',5',6-HEXACHLOROBIPHENYL	0.16	1.9 J,M	1.9 J	PG/L	B1/TR/G4
BA10C-WO55-0915-1	L1679681-6	WO	N	1	2,2',3,4,5'-PENTACHLOROBIPHENYL/2,3',4,4',6-Pentachlorobiphenyl	0.16	2.7 J,B	2.7 J	PG/L	TR/K1/B1
BA10C-WO55-0915-1	L1679681-6	WO	N	1	2,2',3,5,5',6-HEXACHLOROBIPHENYL	0.11	0.96 J	0.96 J	PG/L	TR/K1
BA10C-WO55-0915-1	L1679681-6	WO	N	1	2,2',4,4',5,5'-HEXACHLOROBIPHENYL/2,3',4,4',5',6-HEXACHLOROBIPHENYL	0.13	2.6 J	2.6 J	PG/L	TR/B1
BA10C-WO55-0915-1	L1679681-6	WO	N	1	2,2',4,4',5-PENTACHLOROBIPHENYL	0.19	2.5 J,B	2.5 J	PG/L	B1/TR
BA10C-WO55-0915-1	L1679681-6	WO	N	1	2,2',4,5,5'-PENTACHLOROBIPHENYL	0.17	3.5 J,B	3.5 J	PG/L	K1/TR
BA10C-WO55-0915-1	L1679681-6	WO	N	1	2,3,3',4,4',5'-Hexachlorobiphenyl/2,3,3',4,4',5'-Hexachlorobiphenyl	0.24	0.24 J,M	0.24 J	PG/L	TR/G4
BA10C-WO55-0915-1	L1679681-6	WO	N	1	2,3,3',4,4',6-HEXACHLOROBIPHENYL	0.11	0.27 J,M	0.27 J	PG/L	TR/G4
BA10C-WO55-0915-1	L1679681-6	WO	N	1	2,3,3',4',6-PENTACHLOROBIPHENYL	0.15	4.8 J	4.8 J	PG/L	K1/B1/TR
BA10C-WO55-0915-1	L1679681-6	WO	N	1	2,3',4,4',5-PENTACHLOROBIPHENYL	0.20	3.2 J,B	3.2 J	PG/L	K1/B1/TR
BA10C-WO55-0915-1	L1679681-6	WO	N	1	3,3',4,4'-TETRACHLOROBIPHENYL	0.23	0.63 J	0.63 J	PG/L	K1/TR
T11-WO30-0915-1	L1679681-8	WO	N	1	2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	0.38	5.2 J,B	5.2 J	PG/L	B1/TR
T11-WO30-0915-1	L1679681-8	WO	N	1	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	0.37	1.6 J,M	1.6 J	PG/L	B1/TR/G4
T11-WO5-0915-1	L1679681-7	WO	N	1	2,2',3,3',4,4',5-HEPTACHLOROBIPHENYL	0.21	0.25 J,M	0.25 J	PG/L	TR/G4

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Detected Results

Test Method: E1668C		Extraction Method: METHOD			Leach Method: NONE					
FieldSample ID	LabSample ID	Matrix	Type	Dilution	Analyte	MDL	Lab Result	Qualified Result	Units	Reason
T11-WO5-0915-1	L1679681-7	WO	N	1	2,2',3,4,4',5,5'-HEPTACHLOROBIPHENYL	0.16	0.27 J,M	0.27 J	PG/L	K1/TR/G4
T11-WO5-0915-1	L1679681-7	WO	N	1	3,3',4,4'-TETRACHLOROBIPHENYL	0.30	0.81 J	0.81 J	PG/L	K1/TR
T11-WO55-0915-1	L1679681-9	WO	N	1	2,2',3,4,4',5,5'-HEPTACHLOROBIPHENYL	0.17	0.25 J,M	0.25 J	PG/L	K1/TR/G4
T11-WO55-0915-1	L1679681-9	WO	N	1	2,2',3,4',5,5',6-HEPTACHLOROBIPHENYL	0.17	0.27 J	0.27 J	PG/L	TR
T11-WO58-0915-1	L1679681-10	WO	N	1	2,2',3,3',4,4'-HEXACHLOROBIPHENYL	0.15	0.15 J,M	0.15 J	PG/L	TR/G4
T11-WO58-0915-1	L1679681-10	WO	N	1	2,2',3,4,4',5,5'-HEPTACHLOROBIPHENYL	0.17	0.36 J,M	0.36 J	PG/L	K1/TR/G4
WQ-ER3-0915-1	L1679681-11	WQ	EB	1	2,2',3,4,4',5,5'-HEPTACHLOROBIPHENYL	0.16	0.16 J,M	0.16 J	PG/L	TR/G4
WQ-ER3-0915-1	L1679681-11	WQ	EB	1	2,2',3,4,5'-PENTACHLOROBIPHENYL/2,3',4,4',6-Pentachlorobiphenyl	0.22	2.1 J,B	2.1 J	PG/L	TR/B1
WQ-ER3-0915-1	L1679681-11	WQ	EB	1	2,2',3,5,5',6-HEXACHLOROBIPHENYL	0.099	0.42 J	0.42 J	PG/L	TR
WQ-ER3-0915-1	L1679681-11	WQ	EB	1	2,2',4,5'-TETRACHLOROBIPHENYL	0.24	3.0 J,B	3.0 J	PG/L	B1/TR
WQ-ER3-0915-1	L1679681-11	WQ	EB	1	2,2',5,5'-TETRACHLOROBIPHENYL	0.29	6.8 J	6.8 J	PG/L	TR/B1
WQ-ER3-0915-1	L1679681-11	WQ	EB	1	2,2',5-TRICHLOROBIPHENYL	0.22	7.3 J,B	7.3 J	PG/L	B1/TR
WQ-ER3-0915-1	L1679681-11	WQ	EB	1	2,3,3',4',6-PENTACHLOROBIPHENYL	0.20	2.9 J	2.9 J	PG/L	TR/B1
WQ-ER3-0915-1	L1679681-11	WQ	EB	1	2,3',4,4',5-PENTACHLOROBIPHENYL	0.23	2.1 J,B	2.1 J	PG/L	B1/TR
WQ-ER3-0915-1	L1679681-11	WQ	EB	1	2,3',4,4'-TETRACHLOROBIPHENYL	0.28	7.1 J	7.1 J	PG/L	TR/B1
WQ-ER3-0915-1	L1679681-11	WQ	EB	1	2,4',5-TRICHLOROBIPHENYL	0.18	15.1 J,B	15.1 J	PG/L	B1/K1/TR
WQ-ER3-0915-1	L1679681-11	WQ	EB	1	3,3',4,4'-TETRACHLOROBIPHENYL	0.29	0.61 J,M	0.61 J	PG/L	TR/B1/G4
WQ-ER3-0915-1	L1679681-11	WQ	EB	1	3,4,4'-TRICHLOROBIPHENYL	0.20	7.3 J,B	7.3 J	PG/L	B1/TR

Test Method: E1699		Extraction Method: METHOD			Leach Method: NONE					
FieldSample ID	LabSample ID	Matrix	Type	Dilution	Analyte	MDL	Lab Result	Qualified Result	Units	Reason
BA10B-WO145-0915-1	L1679681-3	WO	N	1	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0007	0.0081 J	0.0081 J	NG/L	B1/H2/TR

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Detected Results

Test Method: E1699		Extraction Method: METHOD			Leach Method: NONE					
FieldSample ID	LabSample ID	Matrix	Type	Dilution	Analyte	MDL	Lab Result	Qualified Result	Units	Reason
BA10B-WO145-0915-1	L1679681-3	WO	N	1	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.030	0.066 J	0.066 J	NG/L	H2/TR
BA10B-WO145-0915-1	L1679681-3	WO	N	1	o,p'-DDE	0.0025	0.026 J,B	0.026 J	NG/L	B1/H2/TR
BA10B-WO145-0915-1	L1679681-3	WO	N	1	p,p'-DDD	0.014	0.018 J,B	0.018 J	NG/L	B1/H2/TR
BA10B-WO145-0915-1	L1679681-3	WO	N	1	p,p'-DDE	0.0063	0.14 B	0.14 J	NG/L	H2/B1
BA10B-WO5-0915-1	L1679681-1	WO	N	1	o,p'-DDE	0.0009	0.0031 J	0.0031 J	NG/L	H2/TR
BA10B-WO5-0915-1	L1679681-1	WO	N	1	p,p'-DDE	0.0031	0.012 J,B	0.012 J	NG/L	K1/B1/H2/TR
BA10B-WO75-0915-1	L1679681-2	WO	N	1	p,p'-DDE	0.0041	0.015 J,B	0.015 J	NG/L	K1/B1/H2/TR
BA10C-WO5-0915-1	L1679681-4	WO	N	1	p,p'-DDE	0.0069	0.022 J,B	0.022 J	NG/L	K1/B1/H2/TR
BA10C-WO55-0915-1	L1679681-6	WO	N	1	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0007	0.011 J	0.011 J	NG/L	B1/H2/TR
BA10C-WO55-0915-1	L1679681-6	WO	N	1	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.024	0.099	0.099 J	NG/L	H2
BA10C-WO55-0915-1	L1679681-6	WO	N	1	o,p'-DDE	0.0026	0.044 J,B	0.044 J	NG/L	B1/H2/TR
BA10C-WO55-0915-1	L1679681-6	WO	N	1	p,p'-DDD	0.023	0.023 J,M	0.023 J	NG/L	B1/H2/TR/G4
BA10C-WO55-0915-1	L1679681-6	WO	N	1	p,p'-DDE	0.0067	0.26	0.26 J	NG/L	H2/B1
BA10C-WO55-0915-1	L1679681-6	WO	N	1	p,p'-DDT	0.024	0.024 J,M	0.024 J	NG/L	H2/TR/G4
T11-WO30-0915-1	L1679681-8	WO	N	1	p,p'-DDE	0.0085	0.031 J,B	0.031 J	NG/L	K1/B1/H2/TR/ X2

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Rejected Results

--No Records Found--

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Review Questions

Method: E1668C				
Review Questions	Yes	No	NA	Comment
Stage 2 Review: COC - Custody Trail?	•			
Stage 2 Review: COC - Temperature/Condition?	•			
Stage 2 Review: COC - Receipt anomalies?		•		
Stage 2 Review: COC - Sample/Methods checked?	•			
Stage 2 Review: Case Narrative - Anomalies?	•			There were failures of the C-13 monochloro-PCB Extraction Internal Standard recoveries for T11-WO30-0915-1. However, since monochlorobiphenyls are not required for this project, there is no negative impact on the data quality based on these low recoveries. The PCB portion of the extract underwent acid/silica gel and alumina chromatography cleanup prior to concentration to 15 uL volume. A solution of the 1668C injection standards was added to the extract to provide a final volume of 20 uL for instrumental analysis for PCB via 1668C.
Stage 2 Review: Samples - Collection date?	•			09/25/2015
Stage 2 Review: Samples - Extraction date?	•			10/01/2015 and 10/02/2015
Stage 2 Review: Samples - Analysis date?	•			12/07/2015 and 12/09/2015
Stage 2 Review: Samples - Holding time?	•			
Stage 2 Review: Samples - Batching?	•			WG2183255 and WG2182793
Stage 2 Review: Samples - Surrogate recoveries?			•	
Stage 2 Review: Samples - Lab qualifiers?	•			J-Flag: Result >= MDL, <= RL. R-flag: ion abundance criteria not met
Stage 2 Review: Samples - Internal Standard recoveries?		•		Several extraction standard recoveries were low. For all project samples, only one of the standard recoveries did not meet criteria; therefore, qualification of data is not warranted.
Stage 2 Review: Calibration - ICAL?	•			
Stage 2 Review: Calibration - ICV?	•			
Stage 2 Review: Calibration - CCV?	•			
Stage 2 Review: Instrument - Tune?	•			

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Review Questions

Method: E1668C

Review Questions

Yes

No

NA

Comment

Stage 2 Review: Blank - Method blank?

•

QC Sample WG2182793-1: The following compounds were detected in the method blank. Associated sample results detected at a concentration less than the concentration in the method blank are flagged as not-detected (U) and the reporting limit has been raised to the concentration detected in the blank. Associated results detected at concentrations greater than the concentration in the method blank are flagged for potential high bias (J+).PCB-018/30 (2.76 pg/L),PCB-020/028 (2.6 pg/L),PCB-031 (2.3 pg/L),PCB-037 (1.04 pg/L),PCB-044/047/065 (4.0 pg/L), PCB-049/069 (0.77 pg/L), PCB-052 (2.79 pg/L), PCB-061/070/074/076 (1.0 pg/L),PCB-066 (1.27 pg/L),PCB-077 (0.780 pg/L),PCB-147/149 (1.24 pg/L), PCB-085/110/115/116/117 (2.9 pg/L),PCB-086/087/097/109/119/125 (1.4 pg/L), PCB-118 (1.2 pg/L),PCB-129/138/163 (1.47 pg/L), PCB-135/151 (0.42 pg/L),PCB-156/157 (0.908 pg/L), and PCB-180/193 (1.09 pg/L).QC Sample WG2183255-1: The following compounds were detected in the method blank. Associated sample results detected at a concentration less than the concentration in the method blank are flagged as not-detected (U) and the reporting limit has been raised to the concentration detected in the blank. Associated results detected at concentrations greater than the concentration in the method blank are flagged for potential high bias (J+).PCB-008 (30.1 pg/L),PCB-018/30 (6.40 pg/L),PCB-031 (16.9 pg/L),PCB-020/028 (23.3 pg/L),PCB-037 (11.4 pg/L),PCB-049/069 (2.30 pg/L),PCB-044/047/065 (7.55 pg/L),PCB-052 (5.2 pg/L),PCB-061/070/074/076 (11.5 pg/L), PCB-066 (6.8 pg/L), PCB-085/110/115/116/117 (2.2 pg/L), PCB-090/101/113 (2.43 pg/L),PCB-083/099 (1.45 pg/L),PCB-086/087/097/109/119/125 (1.82 pg/L),PCB-118 (2.01 pg/L),PCB-105 (1.65 pg/L),PCB-129/138/163 (1.55 pg/L), PCB-147/149 (1.1 pg/L), PCB-153/168 (1.3 pg/L), and PCB-209 (2.80 pg/L).

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Review Questions

Method: E1668C

Review Questions	Yes	No	NA	Comment
Stage 2 Review: Blank - Equipment blank?		•		For Equipment Blank Sample ID WQ-ER-0915-1 collected on 09/25/2015, numerous analytes were detected; however, some of the equipment blank detections were qualified as not-detected due to method blank contamination. Because two separate method blanks are associated with the analyses of client samples in this SDG, the equipment blank assessment is different for each analytical batch. For this SDG, the following PCBs were assessed for equipment blank contamination, with qualification depending on the associated method blank contamination. If there were detections of an analyte in both the equipment blank and the associated method blank, the highest blank concentration was used as the updated MDL. PCB-008 (9.69 pg/L), PCB-018/030 (7.29 pg/L), PCB-031 (15.1 pg/L), PCB-020/028 (20.4 pg/L), PCB-037 (7.3 pg/L), PCB-118 (2.13 pg/L), PCB-129/138/163 (1.13 pg/L), PCB-147/149 (0.86 pg/L),PCB-135/151 (0.422 pg/L),PCB-153/168 (0.73 pg/L),PCB-018 (7.29 pg/L),PCB-180/193 (0.16 pg/L),PCB-049/069 (2.95 pg/L), PCB-061/070/074/076 (10.9 pg/L), PCB-077 (0.61 pg/L),PCB-086/087/097/109/119/125 (2.14 pg/L),PCB-085/110/115/116/117 (2.94 pg/L), PCB-090/101/113 (2.28 pg/L), PCB-083/089 (1.43 pg/L), PCB-105 (1.20 pg/L), PCB-044/047/065 (7.29pg/L), PCB-052 (6.83 pg/L), PCB-209 (1.16 pg/L), and PCB-066 (7.09 pg/L). Associated sample results detected at a concentration less than the concentration in the equipment blank are flagged as not-detected (U) and the reporting limit has been raised to the concentration detected in the blank. Associated results detected at concentrations greater than the concentration in the equipment blank are flagged for potential high bias (J+).
Stage 2 Review: Precision/Accuracy - LCS/LCSD?		•		Precision analyses are not required by the method. For overall project precision, all project LCS spike recoveries were statistically evaluated as a single data set and appear acceptable.
Stage 2 Review: Precision/Accuracy - Lab Replicate?			•	
Stage 2 Review: Precision/Accuracy - MS/MSD?			•	
Stage 2 Review: Quantitation - PQLs?		•		
Stage 2 Review: Quantitation - Dilution Factor?			•	No dilutions.

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Review Questions

Method: E1668C

Review Questions	Yes	No	NA	Comment
Stage 2 Review: Quantitation - Results (i.e. correct analytes, RTs)?		•		One or more sample results were reported by the laboratory as not-detected with a laboratory data flag of "R" and an EMPC value (indicating that ion abundance criteria were not met). For those results, the "PARVQ" was changed to "C", the "<" parameter was removed, and the results are qualified as estimated concentrations (J). Four PCB compounds co-eluted and were reported as combined analytes: PCB-70 and -74, PCB -87 and -119, PCB-153 and -168, and PCB-156 and -157.
Stage 2 Review: Quantitation - Column/Detector RPD?			•	
Stage 2 Review: Field Duplicates - RPD within limits?			•	No field duplicates.

Automated Data Review Detail Report for L1679681_kp_edits

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Review Questions

Method: E1699				
Review Questions	Yes	No	NA	Comment
Stage 2 Review: COC - Custody Trail?	•			
Stage 2 Review: COC - Temperature/Condition?	•			
Stage 2 Review: COC - Receipt anomalies?	•			See SDG comment.
Stage 2 Review: COC - Sample/Methods checked?	•			
				All samples analyzed outside of holding time.
Stage 2 Review: Case Narrative - Anomalies?	•			The following samples were evaporated to dryness during the concentration phase of the extraction procedure: T11-WO30-0915-1 and T11-WO55-0915-1. All associated results for Method 1699 are qualified as estimated with a potential low bias (J-/UJ) due to potential analyte loss.
Stage 2 Review: Samples - Collection date?	•			09/25/2015
Stage 2 Review: Samples - Extraction date?	•			10/01/2015 and 10/02/2015
Stage 2 Review: Samples - Analysis date?	•			12/01/2015, 12/02/2015, and 12/08/2015
Stage 2 Review: Samples - Holding time?		•		Holding time exceeded project criteria; samples were extracted within the 7 day recommended holding time, but were analyzed more than 40 days after extraction. The associated samples are qualified as estimated with a potential low bias (J-/UJ).
Stage 2 Review: Samples - Batching?	•			WG2183255 and WG2182793
Stage 2 Review: Samples - Surrogate recoveries?			•	
Stage 2 Review: Samples - Lab qualifiers?	•			J-Flag: Result >= MDL, <= RL. R-flag: ion abundance criteria not met
Stage 2 Review: Samples - Internal Standard recoveries?		•		Several extraction standard recoveries were low. For all project samples, only one of four standard recoveries did not meet criteria; therefore, qualification of data is not warranted.
Stage 2 Review: Calibration - ICAL?		•		For the initial calibration performed on 12/01/2015 (6-151201A02 through A07), the RSD was greater than 30% for 2,4'-DDD vs PCB-52 (32%) and 2,4'-DDD vs PCB-101 (31%). All 2,4'-DDD results (all not-detected) are qualified as having estimated reporting limits (UJ).
Stage 2 Review: Calibration - ICV?	•			
Stage 2 Review: Calibration - CCV?		•		The following CCVs had high recoveries. Associated detected sample results are qualified as estimated concentrations with potential high bias (J+). H6-15-CCVB-0689 (2,4'-DDD [150%] and 2,4'-DDT [151%]) and H6-15-CCV-0690 (2,4'-DDD [154%] and 2,4'-DDT [188%]).

Automated Data Review Detail Report for L1679681_kp_edits

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Review Questions

Method: E1699

Review Questions	Yes	No	NA	Comment
Stage 2 Review: Blank - Method blank?		•		QC Sample WG2183255-1: The following compounds were detected in the method blank. Associated sample results detected at a concentration less than the concentration in the method blank are flagged as not-detected (U). Associated results detected at concentrations greater than the concentration in the method blank are flagged for potential high bias (J+). 2,4'-DDE (0.0102 ng/L) 4,4'-DDE (0.0224 ng/L) 2,4'-DDD (0.0326 ng/L) 4,4'-DDD (0.0172 ng/L) 2,4'-DDT (0.0374 ng/L)
Stage 2 Review: Blank - Equipment blank?	•			QC Sample WG2182793-1: 4,4-DDE (0.00864 mg/L) was detected in the method blank. Associated sample results detected at a concentration less than the concentration in the method blank are flagged as not-detected (U). Associated results detected at concentrations greater than the concentration in the method blank are flagged for potential high bias (J+).
Stage 2 Review: Instrument - Tune?	•			Client Sample ID WQ-ER3-0915-1. Any detections in the equipment blank were qualified as not-detected due to method blank contamination. No equipment blank contamination noted.
Stage 2 Review: Instrument - Breakdown Standard?	•			
Stage 2 Review: Precision/Accuracy - Lab Replicates?			•	
Stage 2 Review: Precision/Accuracy - MS/MSD?			•	
Stage 2 Review: Precision/Accuracy - LCS/LCSD?		•		For QC Batch WG2183255, high LCS recovery for 2,4'-DDD (151%). All associated samples were not-detected, so qualification of data is not warranted. Precision analyses are not required by the method. For overall project precision, all project LCS spike recoveries were statistically evaluated as a single data set and appear acceptable.
Stage 2 Review: Quantitation - PQLs?	•			
Stage 2 Review: Quantitation - Dilution Factor?			•	No dilutions.
Stage 2 Review: Quantitation - Results (i.e. correct analytes, RTs)?	•			
Stage 2 Review: Quantitation - Column/Detector RPD?			•	
Stage 2 Review: Field Duplicates - RPD within limits?			•	No field duplicates.

Facility: EPA, Region 9
 Event: PV Shelf Water
 Guidance Document: Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery Component Palos Verdes Shelf, Los Angeles County, California
 Contract Laboratory: ALS LAB GROUP, BURLINGTON, ON CANADA
 Field Contractor: Gilbane Company, Walnut Creek, CA
 Data Review Contractor: Veridian Environmental, Inc.
 SDG: L1709111, Certified - 7/22/2016 by wtse
 QC Level: S2BVEM
 Project Manager: Robert Lindfors
 Data Reviewer: Lynn Sandsor
 Data Reviewer Title: Senior Quality Assurance Chemist
 Date of Review Report: August 14, 2016
 Second Reviewer: Tracy Young
 Completion Date of Second Reviewer: August 23, 2016

Analytical Method/ Leach Method	Normal Water Samples	Field QC Water Samples
E1668C/NONE	1	1
E1699/NONE	1	1

This report assesses the analytical data quality associated with the analyses listed on the preceding cover page. This assessment has been made through a combination of automated data review (ADR) and supplemental manual review, the details of which are described below. The approach taken in the review of this data set is consistent with the requirements contained in the Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery Component Palos Verdes Shelf, Los Angeles County, California to the extent possible. Where definitive guidance is not provided, data has been evaluated in a conservative manner using professional judgment. In cases where two qualifiers are listed as an action, such as 'J/UJ', the first qualifier applies to positive results, and the second to non-detect results.

Samples were collected by Gilbane Company, Walnut Creek, CA; analyses were performed by ALS LAB GROUP, BURLINGTON, ON CANADA and were reported under sample delivery group (SDG) L1709111. Results have been evaluated electronically using electronic data deliverables (EDDs) provided by the laboratory. The laboratory data summary forms (hard copy) have been reviewed during this effort and compared to the automated review output. Findings based on the automated data submission and manual data verification processes are detailed in the ADR narrative.

The following quality control elements were supported by the electronic deliverable and were evaluated during this review effort:

- Blank
- Blank - Negative
- Field Duplicate
- LCS Recovery
- Prep Hold Time
- Surrogate
- Test Hold Time

The following quality control elements were either not applicable to the deliverable, or were not supported by the electronic deliverable, and were therefore not included in the automated data review. Those elements required for the project were reviewed manually, as narrated in the Comment section below.

- Ambient Blank
- Calibration Blank
- Calibration Blank - Negative
- Continuing Calibration Verification
- Equipment Blank
- Field Blank
- Initial Calibration Verification
- Lab Replicate RPD
- Material Blank
- MS Recovery
- MS RPD
- Negative Blank
- Trip Blank

A representative sampling or ten percent of sample and QC results were manually evaluated for compliance with project specific requirements and consistency with hard copy results. The following summaries were generated during the evaluation of this data set and are included in this report as applicable.

Batch – The analytical batch report is reviewed for completeness and compliance with project specific requirements. Incomplete or non-compliant run sequences are identified and their impact on data quality are discussed in the narrative.

QC Outlier – Results exceeding the evaluation criteria are reviewed for compliance with project requirements and a minimum of ten percent of the non-compliant QC values reported electronically are verified for consistency with hard-copy values.

Qualified Results – Qualified results are evaluated for compliance with project requirements and ten percent of qualified results are verified for consistency with the QC Outliers.

Rejected Results – All rejected results are evaluated for compliance with project requirements. The reason for rejection of the data is verified against hard copy data.

Field Duplicates – Field duplicate comparison results are evaluated for compliance with project requirements and ten percent of values reported are verified for consistency with the hard-copy data.

Data Submission Warnings – Warnings encountered during the data submission process are evaluated and their affect on data quality is discussed in the narrative below.

Analytical deficiencies, project non-compliance issues and inconsistencies with hard copy results observed during ADR evaluation process and their impact on data quality are summarized in the narrative below.

A total of 56 results (56.00%) out of the 100 results (sample and field QC samples) reported are qualified based on review and 0 results (0.00%) have been rejected. Trace values are not counted as qualified results in the above count. The qualified results are detailed in the following tables and discussed in the narrative below, where appropriate.

Narrative Comments

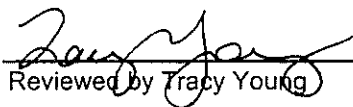
Project samples listed on COC include two individual samples, with results submitted in one data package. Samples received in good condition per case narrative with the following exception. The COC and sample bottles were Client Sample IDs BA6DC-W020-1130-11 and BA3C-W05-1130-1. Per the client's request to laboratory personnel, the Client Sample IDs are BA6DC-W020-1115-1 and BA3C-W05-1115-1.

Analytical Method	Comment
E1668C	No additional comments; see Checklist for detail.
E1699	DDNU, DDMU, and 2,4'-DDE/DDD calculated using one to two internal standards. 2,4'-DDT calculated using one internal standard and corrected relative to 13C12-DDE.



Reviewed by Lynn Sandor, Senior Quality Assurance Chemist

August 14, 2016



Reviewed by Tracy Young

August 23, 2016

Reason Code Definitions

Code	Definition
B1	The analyte was found in an associated method blank.
D5	Field duplicate precision
G4	Ion abundance ratios are outside criteria - estimated maximum possible concentration (EMPC) reported
L	Percent recovery of laboratory control sample recovery was outside established limits
S	Surrogate recovery out of criteria (upper or lower limit)
TR	Trace Level Detect

Flag Code and Definitions

Flag	Definition
J	Estimated: The analyte was positively identified, the quantitation is an estimation due to discrepancies in meeting certain analyte-specific quality control criteria.
N	The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification".
NJ	The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.
R	The data are rejected due to deficiencies in meeting QC criteria and may not be used for decision making.
U	Undetected: The analyte was analyzed for, but not detected.
UJ	The analyte was not detected; however, the result is estimated due to discrepancies in meeting certain analyte-specific quality control criteria.

Automated Data Review Detail Report for L1709111

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery
Component Palos Verdes Shelf, Los Angeles County, California

Batch Report

Test Method: E1668C Analysis Batch: R3371036

Location	Matrix	Field Sample ID	Lab Sample ID	Calibration Ref	Run#/ Dil'n	Collection Date/Time	Extraction Date/Time	Analysis Date/Time	Prep/Leach Batch	Sample Type
LABQC	WQ	LABQC	WG2227105-2		1/1	12/7/2015 00:00	12/7/2015 00:00	1/20/2016 16:32	R3371036/	BS
LABQC	WQ	LABQC	WG2227105-1		1/1	12/7/2015 00:00	12/7/2015 00:00	1/20/2016 17:51	R3371036/	LB
BA6DC	WO	BA6DC-WO20-1115-1	L1709111-1		1/1	11/30/2015 11:22	12/7/2015 00:00	1/20/2016 19:10	R3371036/	N
BA3C	WO	BA3C-WO5-1115-1	L1709111-2		1/1	11/30/2015 12:50	12/7/2015 00:00	1/20/2016 19:50	R3371036/	FD

Test Method: E1699 Analysis Batch: R3371036

Location	Matrix	Field Sample ID	Lab Sample ID	Calibration Ref	Run#/ Dil'n	Collection Date/Time	Extraction Date/Time	Analysis Date/Time	Prep/Leach Batch	Sample Type
LABQC	WQ	LABQC	WG2227105-1		1/1	12/7/2015 00:00	12/7/2015 00:00	1/6/2016 21:52	R3371036/	LB
LABQC	WQ	LABQC	WG2227105-2		1/1	12/7/2015 00:00	12/7/2015 00:00	1/11/2016 19:06	R3371036/	BS
BA6DC	WO	BA6DC-WO20-1115-1	L1709111-1		1/1	11/30/2015 11:22	12/7/2015 00:00	1/11/2016 22:41	R3371036/	N
BA3C	WO	BA3C-WO5-1115-1	L1709111-2		1/1	11/30/2015 12:50	12/7/2015 00:00	1/11/2016 23:17	R3371036/	FD

Automated Data Review Detail Report for L1709111

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery
Component Palos Verdes Shelf, Los Angeles County, California

Field Batch Report

--No Records Found--

Automated Data Review Detail Report for L17 9111

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery Component

Palos Verdes Shelf, Los Angeles County, California

QC Outlier Report

Test Method: E1668C		Extraction Method: METHOD		Leach Method: NONE							
QC Element	Sample ID/ Lab Sample ID	Run#/ Dil'n	Analyte	Result (Units)	Qualifier	Warning Limits	Control Limits	Reason	Comment	Rule	Action Level
Blank	WG2227105-1 (LB) / WG2227105-1	1 / 1.00	2,2',3,4,4',5,5'- HEPTACHLOROBIPHENYL	0.300 (PG/L)	*U/None	< 0.16	< 8	B1		1	0.300
Blank	WG2227105-1 (LB) / WG2227105-1	1 / 1.00	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	0.890 (PG/L)	*U/None	< 0.14	< 8	B1		1	0.890
Blank	WG2227105-1 (LB) / WG2227105-1	1 / 1.00	2,2',3,4',5',6'-HEXACHLOROBIPHENYL	0.740 (PG/L)	*U/None	< 0.13	< 8	B1		1	0.740
Blank	WG2227105-1 (LB) / WG2227105-1	1 / 1.00	2,2',3,5'-TETRACHLOROBIPHENYL	5.18 (PG/L)	*U/None	< 0.11	< 8	B1		1	5.18
Blank	WG2227105-1 (LB) / WG2227105-1	1 / 1.00	2,2',4,4',5'-PENTACHLOROBIPHENYL	0.740 (PG/L)	*U/None	< 0.47	< 8	B1		1	0.740
Blank	WG2227105-1 (LB) / WG2227105-1	1 / 1.00	2,2',4,5,5'-PENTACHLOROBIPHENYL	1.67 (PG/L)	*U/None	< 0.42	< 8	B1		1	1.67
Blank	WG2227105-1 (LB) / WG2227105-1	1 / 1.00	2,2',4,5'-TETRACHLOROBIPHENYL	1.57 (PG/L)	*U/None	< 0.1	< 8	B1		1	1.57
Blank	WG2227105-1 (LB) / WG2227105-1	1 / 1.00	2,2',5,5'-TETRACHLOROBIPHENYL	3.92 (PG/L)	*U/None	< 0.12	< 8	B1		1	3.92
Blank	WG2227105-1 (LB) / WG2227105-1	1 / 1.00	2,2',5-TRICHLOROBIPHENYL	4.60 (PG/L)	*U/None	< 0.27	< 8	B1		1	4.60
Blank	WG2227105-1 (LB) / WG2227105-1	1 / 1.00	2,3,3',4,4',5'- Hexachlorobiphenyl/2,3,3',4,4',5'- Hexachlorobiphenyl	0.190 (PG/L)	*U/None	< 0.13	< 16	B1		1	0.190
Blank	WG2227105-1 (LB) / WG2227105-1	1 / 1.00	2,3,3',4',6'-PENTACHLOROBIPHENYL	2.00 (PG/L)	*U/None	< 0.37	< 8	B1		1	2.00
Blank	WG2227105-1 (LB) / WG2227105-1	1 / 1.00	2,3',4,4',5'-PENTACHLOROBIPHENYL	0.880 (PG/L)	*U/None	< 0.37	< 8	B1		1	0.880
Blank	WG2227105-1 (LB) / WG2227105-1	1 / 1.00	2,3',4,4'-TETRACHLOROBIPHENYL	3.42 (PG/L)	*U/None	< 0.11	< 8	B1		1	3.42
Blank	WG2227105-1 (LB) / WG2227105-1	1 / 1.00	2,4,4'-TRICHLOROBIPHENYL	20.0 (PG/L)	*U/None	< 0.22	< 8	B1		1	20.0
Blank	WG2227105-1 (LB) / WG2227105-1	1 / 1.00	2,4',5-TRICHLOROBIPHENYL	12.8 (PG/L)	*U/None	< 0.21	< 8	B1		1	12.8
Blank	WG2227105-1 (LB) / WG2227105-1	1 / 1.00	3,3',4,4'-TETRACHLOROBIPHENYL	0.380 (PG/L)	*U/None	< 0.12	< 8	B1		1	0.380
Blank	WG2227105-1 (LB) / WG2227105-1	1 / 1.00	3,4,4'-TRICHLOROBIPHENYL	6.11 (PG/L)	*U/None	< 0.26	< 8	B1		1	6.11

Automated Data Review Detail Report for L17 9111

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery Component

Palos Verdes Shelf, Los Angeles County, California

Test Method: E1699		Extraction Method: METHOD		Leach Method: NONE							
QC Element	Sample ID/ Lab Sample ID	Run#/ Dil'n	Analyte	Result (Units)	Qualifier	Warning Limits	Control Limits	Reason	Comment	Rule	Action Level
Blank	WG2227105-1 (LB) / WG2227105-1	1 / 1.00	o,p'-DDE	0.000760 (NG/L)	*U/None	< 3.2e- 005	< 3.2e- 005	B1	Blank is over 3X RL	1	0.000760
Blank	WG2227105-1 (LB) / WG2227105-1	1 / 1.00	o,p'-DDT	0.00100 (NG/L)	*U/None	< 4.2e- 005	< 4.2e- 005	B1	Blank is over 3X RL	1	0.00100
Blank	WG2227105-1 (LB) / WG2227105-1	1 / 1.00	p,p'-DDD	0.000620 (NG/L)	*U/None	< 2.6e- 005	< 2.6e- 005	B1	Blank is over 3X RL	1	0.000620
Blank	WG2227105-1 (LB) / WG2227105-1	1 / 1.00	p,p'-DDE	0.00360 (NG/L)	*U/None	< 6.8e- 005	< 6.8e- 005	B1	Blank is over 3X RL	1	0.00360
Blank	WG2227105-1 (LB) / WG2227105-1	1 / 1.00	p,p'-DDT	0.00473 (NG/L)	*U/None	< 5.8e- 005	< 5.8e- 005	B1	Blank is over 3X RL	1	0.00473
LCS Recovery	WG2227105-2 (BS) / WG2227105-2	1 / 1.00	o,p'-DDD	142 (Percent)	J/None	50 - 120	10 - 130	L			
Surrogate	BA3C-WO5-1115-1 (FD) / L1709111-2	1 / 1.00	4,4'-DDE-13C12	20.0 (Percent)	J/UJ	47 - 160	10 - 170	S	One SS out Qualifier Removed		
Surrogate	BA6DC-WO20-1115-1 (N) / L1709111-1	1 / 1.00	4,4'-DDE-13C12	37.0 (Percent)	J/UJ	47 - 160	10 - 170	S	One SS out Qualifier Removed		

Rule is the multiplier used when blank contamination occurs to determine action level.

Automated Data Review Detail Report for L1709111

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery
Component Palos Verdes Shelf, Los Angeles County, California**Batch Report**

Test Method: E1668C

Analysis Batch: R3371036

Location	Matrix	Field Sample ID	Lab Sample ID	Calibration Ref	Run#/ Dil'n	Collection Date/Time	Extraction Date/Time	Analysis Date/Time	Prep/Leach Batch	Sample Type
LABQC	WQ	LABQC	WG2227105-2		1/1	12/7/2015 00:00	12/7/2015 00:00	1/20/2016 16:32	R3371036/	BS
LABQC	WQ	LABQC	WG2227105-1		1/1	12/7/2015 00:00	12/7/2015 00:00	1/20/2016 17:51	R3371036/	LB
BA6DC	WO	BA6DC-WO20-1115-1	L1709111-1		1/1	11/30/2015 11:22	12/7/2015 00:00	1/20/2016 19:10	R3371036/	N
BA3C	WO	BA3C-WO5-1115-1	L1709111-2		1/1	11/30/2015 12:50	12/7/2015 00:00	1/20/2016 19:50	R3371036/	FD

Test Method: E1699

Analysis Batch: R3371036

Location	Matrix	Field Sample ID	Lab Sample ID	Calibration Ref	Run#/ Dil'n	Collection Date/Time	Extraction Date/Time	Analysis Date/Time	Prep/Leach Batch	Sample Type
LABQC	WQ	LABQC	WG2227105-1		1/1	12/7/2015 00:00	12/7/2015 00:00	1/6/2016 21:52	R3371036/	LB
LABQC	WQ	LABQC	WG2227105-2		1/1	12/7/2015 00:00	12/7/2015 00:00	1/11/2016 19:06	R3371036/	BS
BA6DC	WO	BA6DC-WO20-1115-1	L1709111-1		1/1	11/30/2015 11:22	12/7/2015 00:00	1/11/2016 22:41	R3371036/	N
BA3C	WO	BA3C-WO5-1115-1	L1709111-2		1/1	11/30/2015 12:50	12/7/2015 00:00	1/11/2016 23:17	R3371036/	FD

Automated Data Review Detail Report for L1709111

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery
Component Palos Verdes Shelf, Los Angeles County, California

Field Batch Report

--No Records Found--

Automated Data Review Detail Report for L1709111

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1668C		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
BA3C-WO5-1115-1	L1709111-2	WO	FD	2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	0.52	0.52 J,M	0.52 U		PG/L	G4/B1
BA3C-WO5-1115-1	L1709111-2	WO	FD	2,2',3,4,4',5,5'-HEPTACHLOROBIPHENYL	0.50	0.50 J,M	0.50 J	+	PG/L	B1/TR/G4/D5
BA3C-WO5-1115-1	L1709111-2	WO	FD	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	0.13	1.9 J	1.9 J	+	PG/L	B1/TR/D5
BA3C-WO5-1115-1	L1709111-2	WO	FD	2,2',3,4',5,5',6-HEPTACHLOROBIPHENYL	0.28	0.28 J,M	0.28 J		PG/L	G4/TR/D5
BA3C-WO5-1115-1	L1709111-2	WO	FD	2,2',3,4',5',6-HEXACHLOROBIPHENYL	0.12	1.2 J	1.2 J	+	PG/L	B1/TR/D5
BA3C-WO5-1115-1	L1709111-2	WO	FD	2,2',3,4,5'-PENTACHLOROBIPHENYL/2,3',4,4',6-Pentachlorobiphenyl	0.36	2.0 J	2.0 J	+	PG/L	B1/TR/D5
BA3C-WO5-1115-1	L1709111-2	WO	FD	2,2',3,5,5',6-HEXACHLOROBIPHENYL	0.12	0.49 J,B	0.49 J		PG/L	TR/D5
BA3C-WO5-1115-1	L1709111-2	WO	FD	2,2',3,5'-TETRACHLOROBIPHENYL	5.2	4.5 J,B	5.2 U		PG/L	B1/D5
BA3C-WO5-1115-1	L1709111-2	WO	FD	2,2',4,4',5,5'-HEXACHLOROBIPHENYL/2,3',4,4',5',6-HEXACHLOROBIPHENYL	0.10	1.3 J,B	1.3 J	+	PG/L	TR/B1
BA3C-WO5-1115-1	L1709111-2	WO	FD	2,2',4,4',5-PENTACHLOROBIPHENYL	1.2	1.2 J,M	1.2 J	+	PG/L	B1/TR/G4/D5
BA3C-WO5-1115-1	L1709111-2	WO	FD	2,2',4,5,5'-PENTACHLOROBIPHENYL	0.38	2.7 J,B	2.7 J	+	PG/L	B1/TR
BA3C-WO5-1115-1	L1709111-2	WO	FD	2,2',4,5'-TETRACHLOROBIPHENYL	0.12	1.6 J,B	1.6 J	+	PG/L	B1/TR/D5
BA3C-WO5-1115-1	L1709111-2	WO	FD	2,2',5,5'-TETRACHLOROBIPHENYL	3.9	3.9 J,B	3.9 U		PG/L	B1/D5
BA3C-WO5-1115-1	L1709111-2	WO	FD	2,2',5-TRICHLOROBIPHENYL	4.6	3.0 J	4.6 U		PG/L	B1
BA3C-WO5-1115-1	L1709111-2	WO	FD	2,3,3',4,4',5-Hexachlorobiphenyl/2,3,3',4,4',5'-Hexachlorobiphenyl	0.14	0.30 J	0.30 J	+	PG/L	TR/B1/D5
BA3C-WO5-1115-1	L1709111-2	WO	FD	2,3,3',4,4'-PENTACHLOROBIPHENYL	0.85	0.85 J,M	0.85 J		PG/L	G4/TR/D5
BA3C-WO5-1115-1	L1709111-2	WO	FD	2,3,3',4',6-PENTACHLOROBIPHENYL	3.0	3.0 J,M	3.0 J	+	PG/L	B1/TR/G4/D5

Automated Data Review Detail Report for L1709111

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1668C		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
BA3C-WO5-1115-1	L1709111-2	WO	FD	2,3',4,4',5-PENTACHLOROBIPHENYL	0.41	1.9 J	1.9 J	+	PG/L	B1/TR/D5
BA3C-WO5-1115-1	L1709111-2	WO	FD	2,3',4,4'-TETRACHLOROBIPHENYL	3.4	3.3 J,B	3.4 U		PG/L	B1
BA3C-WO5-1115-1	L1709111-2	WO	FD	2,4,4'-TRICHLOROBIPHENYL	20.0	9.7 B	20.0 U		PG/L	B1
BA3C-WO5-1115-1	L1709111-2	WO	FD	2,4',5-TRICHLOROBIPHENYL	12.8	6.4 J,B	12.8 U		PG/L	B1
BA3C-WO5-1115-1	L1709111-2	WO	FD	3,3',4,4'-TETRACHLOROBIPHENYL	0.19	0.19 J,M	0.19 U		PG/L	B1/G4
BA3C-WO5-1115-1	L1709111-2	WO	FD	3,4,4'-TRICHLOROBIPHENYL	6.1	2.9 J,B	6.1 U		PG/L	B1
BA3C-WO5-1115-1	L1709111-2	WO	FD	PCB061/070/074/076	6.2	5.3 J,B	6.2 U		PG/L	B1
BA6DC-WO20-1115-1	L1709111-1	WO	N	2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	1.2	1.1 J	1.2 U		PG/L	B1
BA6DC-WO20-1115-1	L1709111-1	WO	N	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	0.18	1.4 J	1.4 J	+	PG/L	B1/TR
BA6DC-WO20-1115-1	L1709111-1	WO	N	2,2',3,4',5',6'-HEXACHLOROBIPHENYL	0.18	1.1 J	1.1 J	+	PG/L	B1/TR
BA6DC-WO20-1115-1	L1709111-1	WO	N	2,2',3,4,5'-PENTACHLOROBIPHENYL/2,3',4,4',6-Pentachlorobiphenyl	1.6	1.6 J,M	1.6 J	+	PG/L	B1/G4/TR
BA6DC-WO20-1115-1	L1709111-1	WO	N	2,2',3,5,5',6'-HEXACHLOROBIPHENYL	0.38	0.38 J,M	0.38 J		PG/L	G4/TR
BA6DC-WO20-1115-1	L1709111-1	WO	N	2,2',3,5'-TETRACHLOROBIPHENYL	5.2	4.7 J,B	5.2 U		PG/L	B1
BA6DC-WO20-1115-1	L1709111-1	WO	N	2,2',4,4',5,5'-HEXACHLOROBIPHENYL/2,3',4,4',5,5',6'-HEXACHLOROBIPHENYL	0.15	1.3 J,B	1.3 J	+	PG/L	B1/TR
BA6DC-WO20-1115-1	L1709111-1	WO	N	2,2',4,4',5-PENTACHLOROBIPHENYL	1.1	1.1 J,M	1.1 J	+	PG/L	B1/TR/G4
BA6DC-WO20-1115-1	L1709111-1	WO	N	2,2',4,5,5'-PENTACHLOROBIPHENYL	2.2	2.2 J,M	2.2 J	+	PG/L	B1/TR/G4
BA6DC-WO20-1115-1	L1709111-1	WO	N	2,2',4,5'-TETRACHLOROBIPHENYL	0.13	1.6 J,B	1.6 J	+	PG/L	B1/TR
BA6DC-WO20-1115-1	L1709111-1	WO	N	2,2',5,5'-TETRACHLOROBIPHENYL	3.9	3.9 J,B	3.9 U		PG/L	B1
BA6DC-WO20-1115-1	L1709111-1	WO	N	2,2',5-TRICHLOROBIPHENYL	4.6	3.6 J	4.6 U		PG/L	B1

Automated Data Review Detail Report for L1709111

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1668C		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
BA6DC-WO20-1115-1	L1709111-1	WO	N	2,3,3',4',6-PENTACHLOROBIPHENYL	0.36	2.5 J	2.5 J	+	PG/L	B1/TR
BA6DC-WO20-1115-1	L1709111-1	WO	N	2,3',4,4',5-PENTACHLOROBIPHENYL	1.5	1.5 J,M	1.5 J	+	PG/L	B1/TR/G4
BA6DC-WO20-1115-1	L1709111-1	WO	N	2,3',4,4'-TETRACHLOROBIPHENYL	2.7	2.7 J,M	2.7 U		PG/L	B1/G4
BA6DC-WO20-1115-1	L1709111-1	WO	N	2,4,4'-TRICHLOROBIPHENYL	20.0	12.5 B	20.0 U		PG/L	B1
BA6DC-WO20-1115-1	L1709111-1	WO	N	2,4',5-TRICHLOROBIPHENYL	12.8	8.0 B	12.8 U		PG/L	B1
BA6DC-WO20-1115-1	L1709111-1	WO	N	3,4,4'-TRICHLOROBIPHENYL	6.1	3.6 J,B	6.1 U		PG/L	B1
BA6DC-WO20-1115-1	L1709111-1	WO	N	PCB061/070/074/076	6.2	5.3 J,B	6.2 U		PG/L	B1

Test Method: E1699		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
BA3C-WO5-1115-1	L1709111-2	WO	FD	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0000	0.023	0.023 J		NG/L	D5
BA3C-WO5-1115-1	L1709111-2	WO	FD	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.0001	0.16	0.16 J		NG/L	D5
BA3C-WO5-1115-1	L1709111-2	WO	FD	o,p'-DDD	0.0068	0.0068 J,M	0.0068 J	+	NG/L	L/G4/TR/D5
BA3C-WO5-1115-1	L1709111-2	WO	FD	o,p'-DDE	0.0000	0.046	0.046 J	+	NG/L	B1/D5
BA3C-WO5-1115-1	L1709111-2	WO	FD	o,p'-DDT	0.0021	0.0021 J,M	0.0021 J	+	NG/L	B1/G4/TR/D5
BA3C-WO5-1115-1	L1709111-2	WO	FD	p,p'-DDD	0.0001	0.016 J	0.016 J	+	NG/L	B1/D5
BA3C-WO5-1115-1	L1709111-2	WO	FD	p,p'-DDE	0.0000	0.15	0.15 J	+	NG/L	B1/D5
BA3C-WO5-1115-1	L1709111-2	WO	FD	p,p'-DDT	0.0016	0.0016 J,M	0.0016 U		NG/L	B1/G4
BA6DC-WO20-1115-1	L1709111-1	WO	N	o,p'-DDE	0.0000	0.032	0.032 J	+	NG/L	B1
BA6DC-WO20-1115-1	L1709111-1	WO	N	o,p'-DDT	0.0059	0.0059 J,M	0.0059 J	+	NG/L	B1/G4/TR
BA6DC-WO20-1115-1	L1709111-1	WO	N	p,p'-DDD	0.011	0.011 J,M	0.011 J	+	NG/L	B1/G4/TR
BA6DC-WO20-1115-1	L1709111-1	WO	N	p,p'-DDE	0.0048	0.11	0.11 J	+	NG/L	B1

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EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Qualified Results

Test Method: E1699		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	MDL	Lab Result	Qualified Result	Bias	Units	Reason
BA6DC-WO20-1115-1	L1709111-1	WO	N	p,p'-DDT	0.0048	0.0048 J,M	0.0048 J	+	NG/L	B1/G4/TR

Automated Data Review Detail Report for L1709111

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Detected Results

Test Method: E1668C		Extraction Method: METHOD			Leach Method: NONE					
FieldSample ID	LabSample ID	Matrix	Type	Dilution	Analyte	MDL	Lab Result	Qualified Result	Units	Reason
BA3C-WO5-1115-1	L1709111-2	WO	FD	1	2,2',3,4,4',5,5'-HEPTACHLOROBIPHENYL	0.50	0.50 J,M	0.50 J	PG/L	B1/TR/G4/D5
BA3C-WO5-1115-1	L1709111-2	WO	FD	1	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	0.13	1.9 J	1.9 J	PG/L	B1/TR/D5
BA3C-WO5-1115-1	L1709111-2	WO	FD	1	2,2',3,4',5,5',6-HEPTACHLOROBIPHENYL	0.28	0.28 J,M	0.28 J	PG/L	G4/TR/D5
BA3C-WO5-1115-1	L1709111-2	WO	FD	1	2,2',3,4',5',6-HEXACHLOROBIPHENYL	0.12	1.2 J	1.2 J	PG/L	B1/TR/D5
BA3C-WO5-1115-1	L1709111-2	WO	FD	1	2,2',3,4,5'-PENTACHLOROBIPHENYL/2,3',4,4',6-Pentachlorobiphenyl	0.36	2.0 J	2.0 J	PG/L	B1/TR/D5
BA3C-WO5-1115-1	L1709111-2	WO	FD	1	2,2',3,5,5',6-HEXACHLOROBIPHENYL	0.12	0.49 J,B	0.49 J	PG/L	TR/D5
BA3C-WO5-1115-1	L1709111-2	WO	FD	1	2,2',4,4',5,5'-HEXACHLOROBIPHENYL/2,3',4,4',5',6-HEXACHLOROBIPHENYL	0.10	1.3 J,B	1.3 J	PG/L	TR/B1
BA3C-WO5-1115-1	L1709111-2	WO	FD	1	2,2',4,4',5-PENTACHLOROBIPHENYL	1.2	1.2 J,M	1.2 J	PG/L	B1/TR/G4/D5
BA3C-WO5-1115-1	L1709111-2	WO	FD	1	2,2',4,5,5'-PENTACHLOROBIPHENYL	0.38	2.7 J,B	2.7 J	PG/L	B1/TR
BA3C-WO5-1115-1	L1709111-2	WO	FD	1	2,2',4,5'-TETRACHLOROBIPHENYL	0.12	1.6 J,B	1.6 J	PG/L	B1/TR/D5
BA3C-WO5-1115-1	L1709111-2	WO	FD	1	2,3,3',4,4',5-Hexachlorobiphenyl/2,3,3',4,4',5'-Hexachlorobiphenyl	0.14	0.30 J	0.30 J	PG/L	TR/B1/D5
BA3C-WO5-1115-1	L1709111-2	WO	FD	1	2,3,3',4,4'-PENTACHLOROBIPHENYL	0.85	0.85 J,M	0.85 J	PG/L	G4/TR/D5
BA3C-WO5-1115-1	L1709111-2	WO	FD	1	2,3,3',4',6-PENTACHLOROBIPHENYL	3.0	3.0 J,M	3.0 J	PG/L	B1/TR/G4/D5
BA3C-WO5-1115-1	L1709111-2	WO	FD	1	2,3',4,4',5-PENTACHLOROBIPHENYL	0.41	1.9 J	1.9 J	PG/L	B1/TR/D5
BA6DC-WO20-1115-1	L1709111-1	WO	N	1	2,2',3,4,4',5'-HEXACHLOROBIPHENYL	0.18	1.4 J	1.4 J	PG/L	B1/TR
BA6DC-WO20-1115-1	L1709111-1	WO	N	1	2,2',3,4',5',6-HEXACHLOROBIPHENYL	0.18	1.1 J	1.1 J	PG/L	B1/TR
BA6DC-WO20-1115-1	L1709111-1	WO	N	1	2,2',3,4,5'-PENTACHLOROBIPHENYL/2,3',4,4',6-Pentachlorobiphenyl	1.6	1.6 J,M	1.6 J	PG/L	B1/G4/TR
BA6DC-WO20-1115-1	L1709111-1	WO	N	1	2,2',3,5,5',6-HEXACHLOROBIPHENYL	0.38	0.38 J,M	0.38 J	PG/L	G4/TR
BA6DC-WO20-1115-1	L1709111-1	WO	N	1	2,2',4,4',5,5'-HEXACHLOROBIPHENYL/2,3',4,4',5',6-HEXACHLOROBIPHENYL	0.15	1.3 J,B	1.3 J	PG/L	B1/TR
BA6DC-WO20-1115-1	L1709111-1	WO	N	1	2,2',4,4',5-PENTACHLOROBIPHENYL	1.1	1.1 J,M	1.1 J	PG/L	B1/TR/G4
BA6DC-WO20-1115-1	L1709111-1	WO	N	1	2,2',4,5,5'-PENTACHLOROBIPHENYL	2.2	2.2 J,M	2.2 J	PG/L	B1/TR/G4

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EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Detected Results

Test Method: E1668C		Extraction Method: METHOD			Leach Method: NONE					
FieldSample ID	LabSample ID	Matrix	Type	Dilution	Analyte	MDL	Lab Result	Qualified Result	Units	Reason
BA6DC-WO20-1115-1	L1709111-1	WO	N	1	2,2',4,5'-TETRACHLOROBIPHENYL	0.13	1.6 J,B	1.6 J	PG/L	B1/TR
BA6DC-WO20-1115-1	L1709111-1	WO	N	1	2,3,3',4',6-PENTACHLOROBIPHENYL	0.36	2.5 J	2.5 J	PG/L	B1/TR
BA6DC-WO20-1115-1	L1709111-1	WO	N	1	2,3',4,4',5-PENTACHLOROBIPHENYL	1.5	1.5 J,M	1.5 J	PG/L	B1/TR/G4

Test Method: E1699		Extraction Method: METHOD			Leach Method: NONE					
FieldSample ID	LabSample ID	Matrix	Type	Dilution	Analyte	MDL	Lab Result	Qualified Result	Units	Reason
BA3C-WO5-1115-1	L1709111-2	WO	FD	1	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0000	0.023	0.023 J	NG/L	D5
BA3C-WO5-1115-1	L1709111-2	WO	FD	1	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.0001	0.16	0.16 J	NG/L	D5
BA3C-WO5-1115-1	L1709111-2	WO	FD	1	o,p'-DDD	0.0068	0.0068 J,M	0.0068 J	NG/L	L/G4/TR/D5
BA3C-WO5-1115-1	L1709111-2	WO	FD	1	o,p'-DDE	0.0000	0.046	0.046 J	NG/L	B1/D5
BA3C-WO5-1115-1	L1709111-2	WO	FD	1	o,p'-DDT	0.0021	0.0021 J,M	0.0021 J	NG/L	B1/G4/TR/D5
BA3C-WO5-1115-1	L1709111-2	WO	FD	1	p,p'-DDD	0.0001	0.016 J	0.016 J	NG/L	B1/D5
BA3C-WO5-1115-1	L1709111-2	WO	FD	1	p,p'-DDE	0.0000	0.15	0.15 J	NG/L	B1/D5
BA6DC-WO20-1115-1	L1709111-1	WO	N	1	1,1-BIS(P-CHLOROPHENYL)ETHENE	0.0001	0.044 M	0.044 J	NG/L	
BA6DC-WO20-1115-1	L1709111-1	WO	N	1	1-CHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	0.0001	0.081	0.081 J	NG/L	
BA6DC-WO20-1115-1	L1709111-1	WO	N	1	o,p'-DDE	0.0000	0.032	0.032 J	NG/L	B1
BA6DC-WO20-1115-1	L1709111-1	WO	N	1	o,p'-DDT	0.0059	0.0059 J,M	0.0059 J	NG/L	B1/G4/TR
BA6DC-WO20-1115-1	L1709111-1	WO	N	1	p,p'-DDD	0.011	0.011 J,M	0.011 J	NG/L	B1/G4/TR
BA6DC-WO20-1115-1	L1709111-1	WO	N	1	p,p'-DDE	0.0048	0.11	0.11 J	NG/L	B1
BA6DC-WO20-1115-1	L1709111-1	WO	N	1	p,p'-DDT	0.0048	0.0048 J,M	0.0048 J	NG/L	B1/G4/TR

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Component Palos Verdes Shelf, Los Angeles County, California

Rejected Results

--No Records Found--

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EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery
Component Palos Verdes Shelf, Los Angeles County, California

Review Questions

Method: E1668C				
Review Questions	Yes	No	NA	Comment
Stage 2 Review: COC - Custody Trail?	•			
Stage 2 Review: COC - Temperature/Condition?	•			
Stage 2 Review: COC - Receipt anomalies?	•			See SDG Comment.
Stage 2 Review: COC - Sample/Methods checked?	•			
Stage 2 Review: Case Narrative - Anomalies?		•		
Stage 2 Review: Samples - Collection date?	•			11/30/2015
Stage 2 Review: Samples - Extraction date?	•			12/07/2015
Stage 2 Review: Samples - Analysis date?	•			01/20/2016
Stage 2 Review: Samples - Holding time?	•			
Stage 2 Review: Samples - Batching?	•			WG2221705
Stage 2 Review: Samples - Surrogate recoveries?			•	
Stage 2 Review: Samples - Lab qualifiers?	•			J-Flag: Result >= MDL, <= RL. R-flag: ion abundance criteria not met. M-flag: peak was manually integrated. B-flag: analyte detected in the blank >10% of sample concentration.
Stage 2 Review: Samples - Internal Standard recoveries?	•			
Stage 2 Review: Calibration - ICAL?	•			
Stage 2 Review: Calibration - ICV?	•			
Stage 2 Review: Calibration - CCV?	•			
Stage 2 Review: Instrument - Tune?	•			

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Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Review Questions

Method: E1668C

Review Questions	Yes	No	NA	Comment
Stage 2 Review: Blank - Method blank?		•		QC Sample WG2227105-1: The following compounds were detected in the method blank. Associated sample results detected at a concentration less than the concentration in the method blank are flagged as not-detected (U) and the reporting limit has been raised to the concentration detected in the blank. Associated results detected at concentrations greater than the concentration in the method blank are flagged for potential high bias (J+). PCB-018/30 (4.6 pg/L), PCB-031 (12.8 pg/L), PCB-020/028 (20.0 pg/L), PCB-037 (6.11 pg/L), PCB-052 (3.92 pg/L), PCB-049/069 (1.57 pg/L), PCB-044/047/065 (5.18 pg/L), PCB-061/070/074/067 (6.22 pg/L), PCB-066 (3.42 pg/L), PCB-077 (0.38 pg/L), PCB-090/101/113 (1.67 pg/L), PCB-083/099 (0.740 pg/L), PCB-086/087/097/119/125 (0.82 pg/L), PCB-085/110/115/116/117 (2.0 pg/L), PCB-118 (0.88 pg/L), PCB-135 (0.500 pg/L), PCB-147/149 (0.740 pg/L), PCB-153/168 (0.860 pg/L), PCB-129/138/163 (0.89 pg/L), PCB-156/157 (0.19 pg/L), PCB-180/193 (0.300 pg/L), and PCB-209 (1.2 pg/L).
Stage 2 Review: Blank - Equipment blank?			•	
Stage 2 Review: Precision/Accuracy - LCS/LCSD?	•			Precision analyses are not required by the method. For overall project precision, all project LCS spike recoveries were statistically evaluated as a single data set and appear acceptable. It should be noted that not all compounds reported for client samples were reported in the LCS. This was approved by Gilbane.
Stage 2 Review: Precision/Accuracy - Lab Replicate?			•	
Stage 2 Review: Precision/Accuracy - MS/MSD?			•	
Stage 2 Review: Quantitation - PQLs?	•			
Stage 2 Review: Quantitation - Dilution Factor?			•	No dilutions.

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Component Palos Verdes Shelf, Los Angeles County, California

Review Questions

Method: E1668C				
Review Questions	Yes	No	NA	Comment
Stage 2 Review: Quantitation - Results (i.e. correct analytes, RTs)?	•			One or more sample results were reported by the laboratory as not-detected with a laboratory data flag of "R" and an EMPC value (indicating that ion abundance criteria were not met). For those results, the "PARVQ" was changed to "C", the "<" parameter was removed, and the results are qualified as estimated concentrations (J).
Stage 2 Review: Quantitation - Column/Detector RPD?	•			
Stage 2 Review: Field Duplicates - RPD within limits?		•		Client Sample ID BA3C-WO5-1115-1 is a temporal duplicate of Client Sample ID BA3C-WO5-0915-1 (reported in SDG L1675327) and was evaluated using field duplicate criteria. The following results for PCB105, PCB110, PCB118, PCB138, PCB149, PCB151, PCB156/157, PCB180, PCB187, PCB44, PCB49, PCB52, PCB86/87/97, and PCB99 are flagged as estimated concentrations (J) due to a high duplicate RPD.

Automated Data Review Detail Report for L1709111

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery

Component Palos Verdes Shelf, Los Angeles County, California

Review Questions

Method: E1699

Review Questions	Yes	No	NA	Comment
Stage 2 Review: COC - Custody Trail?	•			
Stage 2 Review: COC - Temperature/Condition?	•			
Stage 2 Review: COC - Receipt anomalies?	•			See SDG Comments.
Stage 2 Review: COC - Sample/Methods checked?	•			
Stage 2 Review: Case Narrative - Anomalies?	•			
Stage 2 Review: Samples - Collection date?	•			11/30/2015
Stage 2 Review: Samples - Extraction date?	•			12/07/2015
Stage 2 Review: Samples - Analysis date?	•			01/11/2016
Stage 2 Review: Samples - Holding time?	•			
Stage 2 Review: Samples - Batching?	•			WG2227105
Stage 2 Review: Samples - Surrogate recoveries?			•	
Stage 2 Review: Samples - Lab qualifiers?	•			J-Flag: Result >= MDL, <= RL. R-flag: ion abundance criteria not met. M-flag: peak was manually integrated. B-flag: analyte detected in the blank >10% of sample concentration.
Stage 2 Review: Samples - Internal Standard recoveries?		•		Several extraction standard recoveries were low. For all project samples, only one of four standard recoveries did not meet criteria; therefore, qualification of data is not warranted.
Stage 2 Review: Calibration - ICAL?	•			
Stage 2 Review: Calibration - ICV?	•			
Stage 2 Review: Calibration - CCV?		•		QC Sample ID H4-16-CCV-0016: high recovery of 131% for 2,4'-DDD. Associated samples are QC samples; therefore, qualification of the data is not warranted.
Stage 2 Review: Blank - Method blank?		•		QC Sample WG2227105-1: The following compounds were detected in the method blank. Associated sample results detected at a concentration less than the concentration in the method blank are flagged as not-detected (U) and the reporting limit has been raised to the concentration detected in the blank. Associated results detected at concentrations greater than the concentration in the method blank are flagged for potential high bias (J+). 2,4'-DDE (0.00076 ng/L) 4,4'-DDE (0.0036 ng/L) 4,4'-DDD (0.00062 ng/L) 2,4'-DDT (0.0010 ng/L) 4,4'-DDT (0.00473 ng/L)

Automated Data Review Detail Report for L1709111

EPA, Region 9

Final Quality Assurance Project Plan – Water Sampling Program for Remedial Action - Monitored Natural Recovery
Component Palos Verdes Shelf, Los Angeles County, California

Review Questions

Method: E1699				
Review Questions	Yes	No	NA	Comment
Stage 2 Review: Blank - Equipment blank?			•	
Stage 2 Review: Instrument - Tune?	•			
Stage 2 Review: Instrument - Breakdown Standard?	•			
Stage 2 Review: Precision/Accuracy - Lab Replicates?			•	
Stage 2 Review: Precision/Accuracy - MS/MSD?			•	
Stage 2 Review: Precision/Accuracy - LCS/LCSD?		•		Precision analyses are not required by the method. For overall project precision, all project LCS spike recoveries were statistically evaluated as a single data set and appear acceptable.
Stage 2 Review: Quantitation - PQLs?	•			
Stage 2 Review: Quantitation - Dilution Factor?			•	No dilutions.
Stage 2 Review: Quantitation - Results (i.e. correct analytes, RTs)?	•			One or more sample results were reported by the laboratory as not-detected with a laboratory data flag of "R" and an EMPC value (indicating that ion abundance criteria were not met). For those results, the "PARVQ" was changed to "C", the "<" parameter was removed, and the results are qualified as estimated concentrations (J).
Stage 2 Review: Quantitation - Column/Detector RPD?			•	
Stage 2 Review: Field Duplicates - RPD within limits?		•		Client Sample ID BA3C-WO5-1115-1 is a temporal duplicate of BA3C-WO5-0915-1 (reported in SDG L1675327) and was evaluated using field duplicate criteria. All results except 4,4'-DDT are flagged as estimated concentrations (J) due to a high duplicate RPD.

PV Shelf Ocean Water
Field Replicate Report
L1709111/L1675327

Client Sample ID	ALS Sample ID	Preferred Name	Result	Lab Qualifier	RPD	MDL	w/i 1X MDL	Comment
BA3C-WO5-0915-1	L1675327-16	PCB101	1.81	J	-38.3929			OK
BA3C-WO5-1115-1	L1709111-2	PCB101	2.67	J,B				
BA3C-WO5-0915-1	L1675327-16	PCB105	0	UJ	-200	0.43	no	flag
BA3C-WO5-1115-1	L1709111-2	PCB105	0.85	J,M				
BA3C-WO5-0915-1	L1675327-16	PCB110	1.71	J	-54.7771			flag
BA3C-WO5-1115-1	L1709111-2	PCB110	3	J,M				
BA3C-WO5-0915-1	L1675327-16	PCB114	0	UJ	0			OK
BA3C-WO5-1115-1	L1709111-2	PCB114	0	U				
BA3C-WO5-0915-1	L1675327-16	PCB118	0	UJ	-200	0.41	no	flag
BA3C-WO5-1115-1	L1709111-2	PCB118	1.88	J				
BA3C-WO5-0915-1	L1675327-16	PCB123	0	UJ	0			OK
BA3C-WO5-1115-1	L1709111-2	PCB123	0	U				
BA3C-WO5-0915-1	L1675327-16	PCB126	0	UJ	0			OK
BA3C-WO5-1115-1	L1709111-2	PCB126	0	U				
BA3C-WO5-0915-1	L1675327-16	PCB128	0	UJ	0			OK
BA3C-WO5-1115-1	L1709111-2	PCB128	0	U				
BA3C-WO5-0915-1	L1675327-16	PCB138	1.2	J	-44.1558	0.13	no	flag
BA3C-WO5-1115-1	L1709111-2	PCB138	1.88	J				
BA3C-WO5-0915-1	L1675327-16	PCB149	0	UJ	-200	0.12	no	flag
BA3C-WO5-1115-1	L1709111-2	PCB149	1.19	J				
BA3C-WO5-0915-1	L1675327-16	PCB151	0	UJ	-200	0.12	no	flag
BA3C-WO5-1115-1	L1709111-2	PCB151	0.49	J,B				
BA3C-WO5-0915-1	L1675327-16	PCB153/168	1.17	J	-12.0482			OK
BA3C-WO5-1115-1	L1709111-2	PCB153/168	1.32	J,B				
BA3C-WO5-0915-1	L1675327-16	PCB156/157	0	UJ	-200	0.14	no	flag
BA3C-WO5-1115-1	L1709111-2	PCB156/157	0.3	J				
BA3C-WO5-0915-1	L1675327-16	PCB158	0	UJ	0			OK
BA3C-WO5-1115-1	L1709111-2	PCB158	0	U				
BA3C-WO5-0915-1	L1675327-16	PCB167	0	UJ	0			OK
BA3C-WO5-1115-1	L1709111-2	PCB167	0	U				

PV Shelf Ocean Water
Field Replicate Report
L1709111/L1675327

Client Sample ID	ALS Sample ID	Preferred Name	Result	Lab Qualifier	RPD	MDL	w/i 1X MDL	Comment
BA3C-WO5-0915-1	L1675327-16	PCB169	0	UJ	0			OK
BA3C-WO5-1115-1	L1709111-2	PCB169	0	U				
BA3C-WO5-0915-1	L1675327-16	PCB170	0	UJ	0			OK
BA3C-WO5-1115-1	L1709111-2	PCB170	0	U				
BA3C-WO5-0915-1	L1675327-16	PCB177	0	UJ	0			OK
BA3C-WO5-1115-1	L1709111-2	PCB177	0	U				
BA3C-WO5-0915-1	L1675327-16	PCB18	0	UJ	0			OK
BA3C-WO5-1115-1	L1709111-2	PCB18	0	J				
BA3C-WO5-0915-1	L1675327-16	PCB180	0	UJ	-200	0.15	no	flag
BA3C-WO5-1115-1	L1709111-2	PCB180	0.5	J,M				
BA3C-WO5-0915-1	L1675327-16	PCB183	0	UJ	0			OK
BA3C-WO5-1115-1	L1709111-2	PCB183	0	U				
BA3C-WO5-0915-1	L1675327-16	PCB187	0	UJ	-200	0.14	no	flag
BA3C-WO5-1115-1	L1709111-2	PCB187	0.28	J,M				
BA3C-WO5-0915-1	L1675327-16	PCB189	0	UJ	0			OK
BA3C-WO5-1115-1	L1709111-2	PCB189	0	U				
BA3C-WO5-0915-1	L1675327-16	PCB194	0	UJ	0			OK
BA3C-WO5-1115-1	L1709111-2	PCB194	0	U				
BA3C-WO5-0915-1	L1675327-16	PCB195	0	UJ	0			OK
BA3C-WO5-1115-1	L1709111-2	PCB195	0	U				
BA3C-WO5-0915-1	L1675327-16	PCB201	0	UJ	0			OK
BA3C-WO5-1115-1	L1709111-2	PCB201	0	U				
BA3C-WO5-0915-1	L1675327-16	PCB203	0	UJ	0			OK
BA3C-WO5-1115-1	L1709111-2	PCB203	0	U				
BA3C-WO5-0915-1	L1675327-16	PCB206	0	UJ	0			OK
BA3C-WO5-1115-1	L1709111-2	PCB206	0	U				
BA3C-WO5-0915-1	L1675327-16	PCB209	0.43	J	200	0.74	yes	OK
BA3C-WO5-1115-1	L1709111-2	PCB209	0	J,M				
BA3C-WO5-0915-1	L1675327-16	PCB28	0	UJ	0			OK
BA3C-WO5-1115-1	L1709111-2	PCB28	0	B				
BA3C-WO5-0915-1	L1675327-16	PCB31	0	UJ	0			OK

PV Shelf Ocean Water
Field Replicate Report
L1709111/L1675327

Client Sample ID	ALS Sample ID	Preferred Name	Result	Lab Qualifier	RPD	MDL	w/i 1X MDL	Comment
BA3C-WO5-1115-1	L1709111-2	PCB31	0	J,B				
BA3C-WO5-0915-1	L1675327-16	PCB37	0	UJ	0			OK
BA3C-WO5-1115-1	L1709111-2	PCB37	0	J,B				
BA3C-WO5-0915-1	L1675327-16	PCB44	3.29	J	200	0.13	no	flag
BA3C-WO5-1115-1	L1709111-2	PCB44	0	J,B				
BA3C-WO5-0915-1	L1675327-16	PCB49	0	UJ	-200	0.12	no	flag
BA3C-WO5-1115-1	L1709111-2	PCB49	1.64	J,B				
BA3C-WO5-0915-1	L1675327-16	PCB52	3.01	J	200	0.15	no	flag
BA3C-WO5-1115-1	L1709111-2	PCB52	0	J,B				
BA3C-WO5-0915-1	L1675327-16	PCB61/70/74	0	UJ	0			OK
BA3C-WO5-1115-1	L1709111-2	PCB61/70/74	0	J,B				
BA3C-WO5-0915-1	L1675327-16	PCB66	0	UJ	0			OK
BA3C-WO5-1115-1	L1709111-2	PCB66	0	J,B				
BA3C-WO5-0915-1	L1675327-16	PCB77	0	UJ	0			OK
BA3C-WO5-1115-1	L1709111-2	PCB77	0	J,M				
BA3C-WO5-0915-1	L1675327-16	PCB8	0	UJ	0			OK
BA3C-WO5-1115-1	L1709111-2	PCB8	0	U				
BA3C-WO5-0915-1	L1675327-16	PCB81	0	UJ	0			OK
BA3C-WO5-1115-1	L1709111-2	PCB81	0	U				
BA3C-WO5-0915-1	L1675327-16	PCB86/87/97	0	UJ	-200	0.36	no	flag
BA3C-WO5-1115-1	L1709111-2	PCB86/87/97	2.04	J				
BA3C-WO5-0915-1	L1675327-16	PCB99	0	UJ	-200	0.43	no	flag
BA3C-WO5-1115-1	L1709111-2	PCB99	1.2	J,M				
BA3C-WO5-0915-1	L1675327-16	o,p'-DDD	0		-200	0.000096	no	flag
BA3C-WO5-1115-1	L1709111-2	o,p'-DDD	0.0068	M, J, R				
BA3C-WO5-0915-1	L1675327-16	o,p'-DDE	0.0103		-126.56	0.000011	no	flag
BA3C-WO5-1115-1	L1709111-2	o,p'-DDE	0.0458	M,J				
BA3C-WO5-0915-1	L1675327-16	o,p'-DDT	0		-200	0.00014	no	flag
BA3C-WO5-1115-1	L1709111-2	o,p'-DDT	0.0021	M, J, R				
BA3C-WO5-0915-1	L1675327-16	p,p'-DDD	0		-200	0.000077	no	flag

PV Shelf Ocean Water
Field Replicate Report
L1709111/L1675327

Client Sample ID	ALS Sample ID	Preferred Name	Result	Lab Qualifier	RPD	MDL	w/i 1X MDL	Comment
BA3C-WO5-1115-1	L1709111-2	p,p'-DDD	0.0159					
BA3C-WO5-0915-1	L1675327-16	p,p'-DDE	0.0652		-79.9263	0.000023	no	flag
BA3C-WO5-1115-1	L1709111-2	p,p'-DDE	0.152					
BA3C-WO5-0915-1	L1675327-16	p,p'-DDMU	0.015		-164.912	0.000099	no	flag
BA3C-WO5-1115-1	L1709111-2	p,p'-DDMU	0.156					
BA3C-WO5-0915-1	L1675327-16	p,p'-DDNU	0.00219		-165.224	0.000021	no	flag
BA3C-WO5-1115-1	L1709111-2	p,p'-DDNU	0.023					
BA3C-WO5-0915-1	L1675327-16	p,p'-DDT	0		-200	0.0019	yes	OK
BA3C-WO5-1115-1	L1709111-2	p,p'-DDT	0.0016	M, J, R				

ATTACHMENT 2
FIELD REPLICATE RESULTS

PV Shelf Ocean Water
Field Replicate Report
L1709111/L1675327

Client Sample ID	ALS Sample ID	Preferred Name	Result	Lab Qualifier	RPD	MDL	w/i 1X MDL	Comment
BA3C-WO5-0915-1	L1675327-16	PCB101	1.81	J	-38.3929			OK
BA3C-WO5-1115-1	L1709111-2	PCB101	2.67	J,B				
BA3C-WO5-0915-1	L1675327-16	PCB105	0	UJ	-200	0.43	no	flag
BA3C-WO5-1115-1	L1709111-2	PCB105	0.85	J,M				
BA3C-WO5-0915-1	L1675327-16	PCB110	1.71	J	-54.7771			flag
BA3C-WO5-1115-1	L1709111-2	PCB110	3	J,M				
BA3C-WO5-0915-1	L1675327-16	PCB114	0	UJ	0			OK
BA3C-WO5-1115-1	L1709111-2	PCB114	0	U				
BA3C-WO5-0915-1	L1675327-16	PCB118	0	UJ	-200	0.41	no	flag
BA3C-WO5-1115-1	L1709111-2	PCB118	1.88	J				
BA3C-WO5-0915-1	L1675327-16	PCB123	0	UJ	0			OK
BA3C-WO5-1115-1	L1709111-2	PCB123	0	U				
BA3C-WO5-0915-1	L1675327-16	PCB126	0	UJ	0			OK
BA3C-WO5-1115-1	L1709111-2	PCB126	0	U				
BA3C-WO5-0915-1	L1675327-16	PCB128	0	UJ	0			OK
BA3C-WO5-1115-1	L1709111-2	PCB128	0	U				
BA3C-WO5-0915-1	L1675327-16	PCB138	1.2	J	-44.1558	0.13	no	flag
BA3C-WO5-1115-1	L1709111-2	PCB138	1.88	J				
BA3C-WO5-0915-1	L1675327-16	PCB149	0	UJ	-200	0.12	no	flag
BA3C-WO5-1115-1	L1709111-2	PCB149	1.19	J				
BA3C-WO5-0915-1	L1675327-16	PCB151	0	UJ	-200	0.12	no	flag
BA3C-WO5-1115-1	L1709111-2	PCB151	0.49	J,B				
BA3C-WO5-0915-1	L1675327-16	PCB153/168	1.17	J	-12.0482			OK
BA3C-WO5-1115-1	L1709111-2	PCB153/168	1.32	J,B				
BA3C-WO5-0915-1	L1675327-16	PCB156/157	0	UJ	-200	0.14	no	flag
BA3C-WO5-1115-1	L1709111-2	PCB156/157	0.3	J				
BA3C-WO5-0915-1	L1675327-16	PCB158	0	UJ	0			OK
BA3C-WO5-1115-1	L1709111-2	PCB158	0	U				
BA3C-WO5-0915-1	L1675327-16	PCB167	0	UJ	0			OK
BA3C-WO5-1115-1	L1709111-2	PCB167	0	U				

PV Shelf Ocean Water
Field Replicate Report
L1709111/L1675327

Client Sample ID	ALS Sample ID	Preferred Name	Result	Lab Qualifier	RPD	MDL	w/i 1X MDL	Comment
BA3C-WO5-0915-1	L1675327-16	PCB169	0	UJ	0			OK
BA3C-WO5-1115-1	L1709111-2	PCB169	0	U				
BA3C-WO5-0915-1	L1675327-16	PCB170	0	UJ	0			OK
BA3C-WO5-1115-1	L1709111-2	PCB170	0	U				
BA3C-WO5-0915-1	L1675327-16	PCB177	0	UJ	0			OK
BA3C-WO5-1115-1	L1709111-2	PCB177	0	U				
BA3C-WO5-0915-1	L1675327-16	PCB18	0	UJ	0			OK
BA3C-WO5-1115-1	L1709111-2	PCB18	0	J				
BA3C-WO5-0915-1	L1675327-16	PCB180	0	UJ	-200	0.15	no	flag
BA3C-WO5-1115-1	L1709111-2	PCB180	0.5	J,M				
BA3C-WO5-0915-1	L1675327-16	PCB183	0	UJ	0			OK
BA3C-WO5-1115-1	L1709111-2	PCB183	0	U				
BA3C-WO5-0915-1	L1675327-16	PCB187	0	UJ	-200	0.14	no	flag
BA3C-WO5-1115-1	L1709111-2	PCB187	0.28	J,M				
BA3C-WO5-0915-1	L1675327-16	PCB189	0	UJ	0			OK
BA3C-WO5-1115-1	L1709111-2	PCB189	0	U				
BA3C-WO5-0915-1	L1675327-16	PCB194	0	UJ	0			OK
BA3C-WO5-1115-1	L1709111-2	PCB194	0	U				
BA3C-WO5-0915-1	L1675327-16	PCB195	0	UJ	0			OK
BA3C-WO5-1115-1	L1709111-2	PCB195	0	U				
BA3C-WO5-0915-1	L1675327-16	PCB201	0	UJ	0			OK
BA3C-WO5-1115-1	L1709111-2	PCB201	0	U				
BA3C-WO5-0915-1	L1675327-16	PCB203	0	UJ	0			OK
BA3C-WO5-1115-1	L1709111-2	PCB203	0	U				
BA3C-WO5-0915-1	L1675327-16	PCB206	0	UJ	0			OK
BA3C-WO5-1115-1	L1709111-2	PCB206	0	U				
BA3C-WO5-0915-1	L1675327-16	PCB209	0.43	J	200	0.74	yes	OK
BA3C-WO5-1115-1	L1709111-2	PCB209	0	J,M				
BA3C-WO5-0915-1	L1675327-16	PCB28	0	UJ	0			OK
BA3C-WO5-1115-1	L1709111-2	PCB28	0	B				
BA3C-WO5-0915-1	L1675327-16	PCB31	0	UJ	0			OK

PV Shelf Ocean Water
Field Replicate Report
L1709111/L1675327

Client Sample ID	ALS Sample ID	Preferred Name	Result	Lab Qualifier	RPD	MDL	w/i 1X MDL	Comment
BA3C-WO5-1115-1	L1709111-2	PCB31	0	J,B				
BA3C-WO5-0915-1	L1675327-16	PCB37	0	UJ	0			OK
BA3C-WO5-1115-1	L1709111-2	PCB37	0	J,B				
BA3C-WO5-0915-1	L1675327-16	PCB44	3.29	J	200	0.13	no	flag
BA3C-WO5-1115-1	L1709111-2	PCB44	0	J,B				
BA3C-WO5-0915-1	L1675327-16	PCB49	0	UJ	-200	0.12	no	flag
BA3C-WO5-1115-1	L1709111-2	PCB49	1.64	J,B				
BA3C-WO5-0915-1	L1675327-16	PCB52	3.01	J	200	0.15	no	flag
BA3C-WO5-1115-1	L1709111-2	PCB52	0	J,B				
BA3C-WO5-0915-1	L1675327-16	PCB61/70/74	0	UJ	0			OK
BA3C-WO5-1115-1	L1709111-2	PCB61/70/74	0	J,B				
BA3C-WO5-0915-1	L1675327-16	PCB66	0	UJ	0			OK
BA3C-WO5-1115-1	L1709111-2	PCB66	0	J,B				
BA3C-WO5-0915-1	L1675327-16	PCB77	0	UJ	0			OK
BA3C-WO5-1115-1	L1709111-2	PCB77	0	J,M				
BA3C-WO5-0915-1	L1675327-16	PCB8	0	UJ	0			OK
BA3C-WO5-1115-1	L1709111-2	PCB8	0	U				
BA3C-WO5-0915-1	L1675327-16	PCB81	0	UJ	0			OK
BA3C-WO5-1115-1	L1709111-2	PCB81	0	U				
BA3C-WO5-0915-1	L1675327-16	PCB86/87/97	0	UJ	-200	0.36	no	flag
BA3C-WO5-1115-1	L1709111-2	PCB86/87/97	2.04	J				
BA3C-WO5-0915-1	L1675327-16	PCB99	0	UJ	-200	0.43	no	flag
BA3C-WO5-1115-1	L1709111-2	PCB99	1.2	J,M				
BA3C-WO5-0915-1	L1675327-16	o,p'-DDD	0		-200	0.000096	no	flag
BA3C-WO5-1115-1	L1709111-2	o,p'-DDD	0.0068	M, J, R				
BA3C-WO5-0915-1	L1675327-16	o,p'-DDE	0.0103		-126.56	0.000011	no	flag
BA3C-WO5-1115-1	L1709111-2	o,p'-DDE	0.0458	M,J				
BA3C-WO5-0915-1	L1675327-16	o,p'-DDT	0		-200	0.00014	no	flag
BA3C-WO5-1115-1	L1709111-2	o,p'-DDT	0.0021	M, J, R				
BA3C-WO5-0915-1	L1675327-16	p,p'-DDD	0		-200	0.000077	no	flag

PV Shelf Ocean Water
Field Replicate Report
L1709111/L1675327

Client Sample ID	ALS Sample ID	Preferred Name	Result	Lab Qualifier	RPD	MDL	w/i 1X MDL	Comment
BA3C-WO5-1115-1	L1709111-2	p,p'-DDD	0.0159					
BA3C-WO5-0915-1	L1675327-16	p,p'-DDE	0.0652		-79.9263	0.000023	no	flag
BA3C-WO5-1115-1	L1709111-2	p,p'-DDE	0.152					
BA3C-WO5-0915-1	L1675327-16	p,p'-DDMU	0.015		-164.912	0.000099	no	flag
BA3C-WO5-1115-1	L1709111-2	p,p'-DDMU	0.156					
BA3C-WO5-0915-1	L1675327-16	p,p'-DDNU	0.00219		-165.224	0.000021	no	flag
BA3C-WO5-1115-1	L1709111-2	p,p'-DDNU	0.023					
BA3C-WO5-0915-1	L1675327-16	p,p'-DDT	0		-200	0.0019	yes	OK
BA3C-WO5-1115-1	L1709111-2	p,p'-DDT	0.0016	M, J, R				

Field Replicate Report
PV Shelf Water - 2015
SDG L1678061

Sample ID	Method	Analyte	NS Result	FD Result	Diff	Ave	RPD	Check	MDL	5X MDL
BA1DC-WO5-0915	E1668C	PCB101	1.57	1.71	-0.14	1.64	-8.5	OK	0.12	0.6
BA1DC-WO5-0915		PCB105	0.6	0.27	0.33	0.435	75.9	<5X MDL, 1X Rule - Flag D5	0.095	0.475
BA1DC-WO5-0915		PCB110	1.7	1.6	0.1	1.65	6.1	OK	0.098	0.49
BA1DC-WO5-0915		PCB114	0	0	0	0	0.0	OK	0.093	0.465
BA1DC-WO5-0915		PCB118	1.05	0.79	0.26	0.92	28.3	OK	0.091	0.455
BA1DC-WO5-0915		PCB123	0	0	0	0	0.0	OK	0.11	0.55
BA1DC-WO5-0915		PCB126	0	0	0	0	0.0	OK	0.09	0.45
BA1DC-WO5-0915		PCB128	0	0	0	0	0.0	OK	0.11	0.55
BA1DC-WO5-0915		PCB138	0.91	0.914	-0.004	0.912	-0.4	OK	0.12	0.6
BA1DC-WO5-0915		PCB149	0.86	0.689	0.171	0.7745	22.1	OK	0.12	0.6
BA1DC-WO5-0915		PCB151	0.25	0.19	0.06	0.22	27.3	OK	0.088	0.44
BA1DC-WO5-0915		PCB153/168	0.81	0.634	0.176	0.722	24.4	OK	0.1	0.5
BA1DC-WO5-0915		PCB156/157	0	0	0	0	0.0	OK	0.12	0.6
BA1DC-WO5-0915		PCB158	0	0	0	0	0.0	OK	0.087	0.435
BA1DC-WO5-0915		PCB167	0	0	0	0	0.0	OK	0.09	0.45
BA1DC-WO5-0915		PCB169	0	0	0	0	0.0	OK	0.095	0.475
BA1DC-WO5-0915		PCB170	0	0.14	-0.14	0.07	-200.0	<5X MDL, 1X Rule - Flag D5	0.1	0.5
BA1DC-WO5-0915		PCB177	0.15	0	0.15	0.075	200.0	<5X MDL, 1X Rule - Flag D5	0.11	0.55
BA1DC-WO5-0915		PCB18	1.78	2.11	-0.33	1.945	-17.0	OK	0.2	1
BA1DC-WO5-0915		PCB180	0.32	0.272	0.048	0.296	16.2	OK	0.084	0.42
BA1DC-WO5-0915		PCB183	0	0	0	0	0.0	OK	0.097	0.485
BA1DC-WO5-0915		PCB187	0.16	0.21	-0.05	0.185	-27.0	OK	0.087	0.435
BA1DC-WO5-0915		PCB189	0	0	0	0	0.0	OK	0.096	0.48
BA1DC-WO5-0915		PCB194	0	0	0	0	0.0	OK	0.083	0.415
BA1DC-WO5-0915		PCB195	0	0	0	0	0.0	OK	0.09	0.45
BA1DC-WO5-0915		PCB201	0	0	0	0	0.0	OK	0.071	0.355
BA1DC-WO5-0915		PCB203	0	0	0	0	0.0	OK	0.084	0.42

Field Replicate Report
PV Shelf Water - 2015
SDG L1678061

Sample ID	Method	Analyte	NS Result	FD Result	Diff	Ave	RPD	Check	MDL	5X MDL
BA1DC-WO5-0915		PCB206	0	0	0	0	0.0	OK	0.48	2.4
BA1DC-WO5-0915		PCB209	0.65	0.44	0.21	0.545	38.5	OK	0.11	0.55
BA1DC-WO5-0915		PCB28	2.54	2.58	-0.04	2.56	-1.6	OK	0.18	0.9
BA1DC-WO5-0915		PCB31	2.05	1.99	0.06	2.02	3.0	OK	0.18	0.9
BA1DC-WO5-0915		PCB37	0.55	0.47	0.08	0.51	15.7	OK	0.2	1
BA1DC-WO5-0915		PCB44	0	0	0	0	0.0	OK	5.02	25.1
BA1DC-WO5-0915		PCB49	1.22	0.97	0.25	1.095	22.8	OK	0.13	0.65
BA1DC-WO5-0915		PCB52	2.31	2.4	-0.09	2.355	-3.8	OK	0.15	0.75
BA1DC-WO5-0915		PCB61/70/74	2.36	2	0.36	2.18	16.5	OK	0.19	0.95
BA1DC-WO5-0915		PCB66	1.17	1	0.17	1.085	15.7	OK	0.19	0.95
BA1DC-WO5-0915		PCB77	0.25	0	0.25	0.125	200.0	<5X MDL, 1X Rule - Flag D5	0.19	0.95
BA1DC-WO5-0915		PCB8	2.1	2.4	-0.3	2.25	-13.3	OK	0.66	3.3
BA1DC-WO5-0915		PCB81	0	0	0	0	0.0	OK	0.2	1
BA1DC-WO5-0915		PCB86/87/97	1.49	0.87	0.62	1.18	52.5	Flag D5	0.11	0.55
BA1DC-WO5-0915		PCB99	0.98	0.63	0.35	0.805	43.5	<5X MDL, 1X Rule - Flag D5	0.13	0.65
BA1DC-WO5-0915	E1699	o,p'-DDD	0	0	0	0	0.0	OK	0.007	0.035
BA1DC-WO5-0915		o,p'-DDE	0.0067	0.0061	0.0006	0.0064	9.4	OK	0.0012	0.006
BA1DC-WO5-0915		o,p'-DDT	0	0	0	0	0.0	OK	0.016	0.08
BA1DC-WO5-0915		p,p'-DDD	0	0	0	0	0.0	OK	0.012	0.06
BA1DC-WO5-0915		p,p'-DDE	0.0265	0.0264	0.00010	0.02645	0.4	OK	0.0062	0.031
BA1DC-WO5-0915		p,p'-DDMU	0	0	0	0	0.0	OK	0.0043	0.0215
BA1DC-WO5-0915		p,p'-DDNU	0.00209	0	0.00209	0.001045	200.0	<5X MDL, 1X Rule - Flag D5	0.00047	0.00235
BA1DC-WO5-0915		p,p'-DDT	0	0	0	0	0.0	OK	0.051	0.255
BA5C-WO58-0915	E1668C	PCB101	6.71	8.1	-1.39	7.405	-18.8	OK	0.5	2.5
BA5C-WO58-0915		PCB105	3.21	2.7	0.51	2.955	17.3	OK	0.47	2.35

Field Replicate Report
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Sample ID	Method	Analyte	NS Result	FD Result	Diff	Ave	RPD	Check	MDL	5X MDL
BA5C-WO58-0915		PCB110	7.8	11.1	-3.3	9.45	-34.9	OK	0.44	2.2
BA5C-WO58-0915		PCB114	0	0	0	0	0.0	OK	0.5	2.5
BA5C-WO58-0915		PCB118	6.15	7.46	-1.31	6.805	-19.3	OK	0.45	2.25
BA5C-WO58-0915		PCB123	0	0	0	0	0.0	OK	0.53	2.65
BA5C-WO58-0915		PCB126	0	0	0	0	0.0	OK	0.54	2.7
BA5C-WO58-0915		PCB128	0.41	0.48	-0.07	0.445	-15.7	OK	0.36	1.8
BA5C-WO58-0915		PCB138	4.13	5.25	-1.12	4.69	-23.9	OK	0.4	2
BA5C-WO58-0915		PCB149	2.84	3.6	-0.76	3.22	-23.6	OK	0.36	1.8
BA5C-WO58-0915		PCB151	1.14	1.42	-0.28	1.28	-21.9	OK	0.3	1.5
BA5C-WO58-0915		PCB153/168	2.2	3.05	-0.85	2.625	-32.4	OK	0.29	1.45
BA5C-WO58-0915		PCB156/157	0.6	0.47	0.13	0.535	24.3	OK	0.36	1.8
BA5C-WO58-0915		PCB158	0	0	0	0	0.0	OK	0.27	1.35
BA5C-WO58-0915		PCB167	0	0	0	0	0.0	OK	0.28	1.4
BA5C-WO58-0915		PCB169	0	0	0	0	0.0	OK	0.32	1.6
BA5C-WO58-0915		PCB170	0	0	0	0	0.0	OK	0.87	4.35
BA5C-WO58-0915		PCB177	0	0	0	0	0.0	OK	0.91	4.55
BA5C-WO58-0915		PCB18	2.7	3.9	-1.2	3.3	-36.4	OK	2.3	11.5
BA5C-WO58-0915		PCB180	0	0.94	-0.94	0.47	-200.0	<5X MDL, 1X Rule - Flag D5	0.66	3.3
BA5C-WO58-0915		PCB183	0	0	0	0	0.0	OK	0.82	4.1
BA5C-WO58-0915		PCB187	0	0	0	0	0.0	OK	0.71	3.55
BA5C-WO58-0915		PCB189	0	0	0	0	0.0	OK	0.6	3
BA5C-WO58-0915		PCB194	0.19	0.26	-0.07	0.225	-31.1	OK	0.18	0.9
BA5C-WO58-0915		PCB195	0	0	0	0	0.0	OK	0.2	1
BA5C-WO58-0915		PCB201	0	0	0	0	0.0	OK	0.2	1
BA5C-WO58-0915		PCB203	0	0	0	0	0.0	OK	0.22	1.1
BA5C-WO58-0915		PCB206	0	0	0	0	0.0	OK	0.52	2.6
BA5C-WO58-0915		PCB209	0.44	0.71	-0.27	0.575	-47.0	<5X MDL, 1X Rule - Flag D5	0.18	0.9
BA5C-WO58-0915		PCB28	6.9	8.9	-2	7.9	-25.3	OK	2.3	11.5

Field Replicate Report
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Sample ID	Method	Analyte	NS Result	FD Result	Diff	Ave	RPD	Check	MDL	5X MDL
BA5C-WO58-0915	E1699	PCB31	5.6	6.3	-0.7	5.95	-11.8	OK	2.3	11.5
BA5C-WO58-0915		PCB37	0	0	0	0	0.0	OK	3.2	16
BA5C-WO58-0915		PCB44	10.4	12.1	-1.7	11.25	-15.1	OK	0.45	2.25
BA5C-WO58-0915		PCB49	5.55	6.38	-0.83	5.965	-13.9	OK	0.41	2.05
BA5C-WO58-0915		PCB52	11.5	14.6	-3.1	13.05	-23.8	OK	0.55	2.75
BA5C-WO58-0915		PCB61/70/74	14.3	17.4	-3.1	15.85	-19.6	OK	0.57	2.85
BA5C-WO58-0915		PCB66	7.6	11.9	-4.3	9.75	-44.1	Flag D5	0.59	2.95
BA5C-WO58-0915		PCB77	0	0	0	0	0.0	OK	0.7	3.5
BA5C-WO58-0915		PCB8	0	0	0	0	0.0	OK	3.6	18
BA5C-WO58-0915		PCB81	0	0	0	0	0.0	OK	0.72	3.6
BA5C-WO58-0915		PCB86/87/97	4.5	6.04	-1.54	5.27	-29.2	OK	0.47	2.35
BA5C-WO58-0915		PCB99	4.72	3.9	0.82	4.31	19.0	OK	0.58	2.9
BA5C-WO58-0915		o,p'-DDD	0.024	0.028	-0.004	0.026	-15.4	OK	0.0033	0.0165
BA5C-WO58-0915		o,p'-DDE	0.149	0.179	-0.03	0.164	-18.3	OK	0.0026	0.013
BA5C-WO58-0915		o,p'-DDT	0	0	0	0	0.0	OK	0.014	0.07
BA5C-WO58-0915		p,p'-DDD	0.0815	0.0907	-0.0092	0.0861	-10.7	OK	0.0066	0.033
BA5C-WO58-0915		p,p'-DDE	0.749	0.902	-0.153	0.8255	-18.5	OK	0.005	0.025
BA5C-WO58-0915		p,p'-DDMU	0.538	0.653	-0.115	0.5955	-19.3	OK	0.024	0.12
BA5C-WO58-0915		p,p'-DDNU	0.0457	0.0395	0.0062	0.0426	14.6	OK	0.0034	0.017
BA5C-WO58-0915		p,p'-DDT	0	0	0	0	0.0	OK	0.024	0.12
BA5DC-WO38-0915	E1668C	PCB101	8.2	8.29	-0.09	8.245	-1.1	OK	0.54	2.7
BA5DC-WO38-0915		PCB105	2.63	2.2	0.43	2.415	17.8	OK	0.4	2
BA5DC-WO38-0915		PCB110	11.4	9.01	2.39	10.205	23.4	OK	0.48	2.4
BA5DC-WO38-0915		PCB114	0	0	0	0	0.0	OK	0.47	2.35
BA5DC-WO38-0915		PCB118	8.04	6.42	1.62	7.23	22.4	OK	0.44	2.2
BA5DC-WO38-0915		PCB123	0	0	0	0	0.0	OK	0.48	2.4
BA5DC-WO38-0915		PCB126	0	0	0	0	0.0	OK	0.49	2.45

Field Replicate Report
PV Shelf Water - 2015
SDG L1678061

Sample ID	Method	Analyte	NS Result	FD Result	Diff	Ave	RPD	Check	MDL	5X MDL
BA5DC-WO38-0915		PCB128	0.45	0	0.45	0.225	200.0	<5X MDL, 1X Rule - Flag D5	0.35	1.75
BA5DC-WO38-0915		PCB138	5.04	3.14	1.9	4.09	46.5	Flag D5	0.39	1.95
BA5DC-WO38-0915		PCB149	3.09	2.1	0.99	2.595	38.2	OK	0.35	1.75
								<5X MDL, 1X Rule -		
BA5DC-WO38-0915		PCB151	1.72	0.9	0.82	1.31	62.6	Flag D5	0.28	1.4
BA5DC-WO38-0915		PCB153/168	3.4	2.4	1	2.9	34.5	OK	0.29	1.45
BA5DC-WO38-0915		PCB156/157	0	0	0	0	0.0	OK	0.36	1.8
BA5DC-WO38-0915		PCB158	0	0	0	0	0.0	OK	0.27	1.35
BA5DC-WO38-0915		PCB167	0	0	0	0	0.0	OK	0.3	1.5
BA5DC-WO38-0915		PCB169	0	0	0	0	0.0	OK	0.28	1.4
BA5DC-WO38-0915		PCB170	0	0	0	0	0.0	OK	0.71	3.55
BA5DC-WO38-0915		PCB177	0	0	0	0	0.0	OK	0.74	3.7
BA5DC-WO38-0915		PCB18	2.9	2.9	0	2.9	0.0	OK	2.6	13
BA5DC-WO38-0915		PCB180	0.89	0.74	0.15	0.815	18.4	OK	0.54	2.7
BA5DC-WO38-0915		PCB183	0	0	0	0	0.0	OK	0.67	3.35
BA5DC-WO38-0915		PCB187	0.69	0.58	0.11	0.635	17.3	OK	0.58	2.9
BA5DC-WO38-0915		PCB189	0	0	0	0	0.0	OK	0.53	2.65
BA5DC-WO38-0915		PCB194	0	0	0	0	0.0	OK	0.21	1.05
BA5DC-WO38-0915		PCB195	0	0	0	0	0.0	OK	0.23	1.15
BA5DC-WO38-0915		PCB201	0	0	0	0	0.0	OK	0.15	0.75
BA5DC-WO38-0915		PCB203	0	0	0	0	0.0	OK	0.16	0.8
BA5DC-WO38-0915		PCB206	0	0	0	0	0.0	OK	0.6	3
BA5DC-WO38-0915		PCB209	0	0	0	0	0.0	OK	0.2	1
BA5DC-WO38-0915		PCB28	6.8	8.4	-1.6	7.6	-21.1	OK	2.6	13
BA5DC-WO38-0915		PCB31	4.4	5.7	-1.3	5.05	-25.7	OK	2.5	12.5
BA5DC-WO38-0915		PCB37	0	0	0	0	0.0	OK	3.3	16.5
BA5DC-WO38-0915		PCB44	9.5	11	-1.5	10.25	-14.6	OK	0.45	2.25
BA5DC-WO38-0915		PCB49	5.53	5.75	-0.22	5.64	-3.9	OK	0.4	2
BA5DC-WO38-0915		PCB52	11.7	13.1	-1.4	12.4	-11.3	OK	0.55	2.75

Field Replicate Report
PV Shelf Water - 2015
SDG L1678061

Sample ID	Method	Analyte	NS Result	FD Result	Diff	Ave	RPD	Check	MDL	5X MDL
BA5DC-WO38-0915	E1699	PCB61/70/74	14.3	13.2	1.1	13.75	8.0	OK	0.39	1.95
BA5DC-WO38-0915		PCB66	9.1	9.02	0.08	9.06	0.9	OK	0.4	2
BA5DC-WO38-0915		PCB77	0	0	0	0	0.0	OK	0.46	2.3
BA5DC-WO38-0915		PCB8	0	0	0	0	0.0	OK	4.1	20.5
BA5DC-WO38-0915		PCB81	0	0	0	0	0.0	OK	0.46	2.3
BA5DC-WO38-0915		PCB86/87/97	5.93	4.26	1.67	5.095	32.8	OK	0.51	2.55
BA5DC-WO38-0915		PCB99	4.78	4.1	0.68	4.44	15.3	OK	0.63	3.15
BA5DC-WO38-0915		o,p'-DDD	0.023	0.0292	-0.0062	0.0261	-23.8	OK	0.0029	0.0145
BA5DC-WO38-0915		o,p'-DDE	0.158	0.145	0.013	0.1515	8.6	OK	0.0024	0.012
BA5DC-WO38-0915		o,p'-DDT	0.015	0	0.015	0.0075	200.0	<5X MDL, 1X Rule - Flag D5	0.01	0.05
BA5DC-WO38-0915		p,p'-DDD	0.0843	0.0862	-0.0019	0.08525	-2.2	OK	0.0048	0.024
BA5DC-WO38-0915		p,p'-DDE	0.799	0.712	0.087	0.7555	11.5	OK	0.0064	0.032
BA5DC-WO38-0915		p,p'-DDMU	0.646	0.625	0.021	0.6355	3.3	OK	0.016	0.08
BA5DC-WO38-0915		p,p'-DDNU	0.0616	0.0456	0.016	0.0536	29.9	OK	0.0035	0.0175
BA5DC-WO38-0915		p,p'-DDT	0.019	0	0.019	0.0095	200.0	<5X MDL, 1X Rule - Flag D5	0.012	0.06

Field wSplicate Report
PV Shelf Ocean Water - 2015
SDG L1594359 - Method 1668C

Field Sample ID	Analyte	NS Value	FD Value	DIFF	AVE	RPD	CHECK	mdl	5x mdl
BA8C-WO58-0315-2	PCB101	2.59	2	0.59	2.295	25.7	OK	0.12	
BA8C-WO58-0315-2	PCB105	0	0	0	0	0.0	OK	0.16	
BA8C-WO58-0315-2	PCB110	3.08	3.43	-0.35	3.255	-10.8	OK	0.11	
BA8C-WO58-0315-2	PCB114	0	0	0	0	0.0	OK	0.18	
BA8C-WO58-0315-2	PCB118	3.42	3.52	-0.1	3.47	-2.9	OK	0.17	
BA8C-WO58-0315-2	PCB123	0	0	0	0	0.0	OK	0.18	
BA8C-WO58-0315-2	PCB126	0	0	0	0	0.0	OK	0.16	
BA8C-WO58-0315-2	PCB128	0	0	0	0	0.0	OK	2.94	
BA8C-WO58-0315-2	PCB138	3.68	5.06	-1.38	4.37	-31.6	OK	0.18	
BA8C-WO58-0315-2	PCB149	0	0	0	0	0.0	OK	1.2	
BA8C-WO58-0315-2	PCB151	1.1	0.96	0.14	1.03	13.6	OK	0.065	
BA8C-WO58-0315-2	PCB153/168	0	4.94	-4.94	2.47	-200.0	1x rule, OK	5.62	28.1
BA8C-WO58-0315-2	PCB156/157	0	0.76	-0.76	0.38	-200.0	<5x MDL, 1x rule, flag D5	0.41	2.05
BA8C-WO58-0315-2	PCB158	0	0	0	0	0.0	OK	0.24	
BA8C-WO58-0315-2	PCB167	0	0	0	0	0.0	OK	0.24	
BA8C-WO58-0315-2	PCB169	0	0	0	0	0.0	OK	0.13	
BA8C-WO58-0315-2	PCB170	0.73	0	0.73	0.365	200.0	<5x MDL, 1x rule, flag D5	0.18	0.9
BA8C-WO58-0315-2	PCB177	0	0	0	0	0.0	OK	0.72	
BA8C-WO58-0315-2	PCB18	0	0	0	0	0.0	OK	2.72	
BA8C-WO58-0315-2	PCB180	0	0	0	0	0.0	OK	0.15	
BA8C-WO58-0315-2	PCB183	0	0	0	0	0.0	OK	0.76	
BA8C-WO58-0315-2	PCB187	0	0	0	0	0.0	OK	2.9	
BA8C-WO58-0315-2	PCB189	0	0	0	0	0.0	OK	0.19	
BA8C-WO58-0315-2	PCB194	0	0	0	0	0.0	OK	0.38	
BA8C-WO58-0315-2	PCB195	0	0	0	0	0.0	OK	0.37	
BA8C-WO58-0315-2	PCB201	0	0	0	0	0.0	OK	0.11	
BA8C-WO58-0315-2	PCB203	0.23	0	0.23	0.115	200.0	<5x MDL, 1x rule, flag D5	0.17	0.85
BA8C-WO58-0315-2	PCB206	0	0	0	0	0.0	OK	1.5	
BA8C-WO58-0315-2	PCB209	0	0	0	0	0.0	OK	0.55	
BA8C-WO58-0315-2	PCB28	3	0	3	1.5	200.0	<5x MDL, 1x rule, flag D5	0.15	0.75

Field wSplicate Report
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SDG L1594359 - Method 1668C

Field Sample ID	Analyte	NS Value	FD Value	DIFF	AVE	RPD	CHECK	mdl	5x mdl
BA8C-WO58-0315-2	PCB31	3.5	2.3	1.2	2.9	41.4	1x rule, OK	1.3	6.5
BA8C-WO58-0315-2	PCB37	1.31	0	1.31	0.655	200.0	<5x MDL, 1x rule, flag D5	0.21	1.05
BA8C-WO58-0315-2	PCB44	3.65	2.94	0.71	3.295	21.5	OK	0.25	
BA8C-WO58-0315-2	PCB49	1.3	1.22	0.08	1.26	6.3	OK	0.23	1.15
BA8C-WO58-0315-2	PCB52	3.27	2.17	1.1	2.72	40.4	OK	0.25	1.25
BA8C-WO58-0315-2	PCB61/70/74	3.25	0	3.25	1.625	200.0	<5x MDL, 1x rule, flag D5	0.37	1.85
BA8C-WO58-0315-2	PCB66	1.4	0	1.4	0.7	200.0	<5x MDL, 1x rule, flag D5	0.34	1.7
BA8C-WO58-0315-2	PCB77	0	0	0	0	0.0	OK	0.47	
BA8C-WO58-0315-2	PCB8	0	0	0	0	0.0	OK	4.13	
BA8C-WO58-0315-2	PCB81	0	0	0	0	0.0	OK	0.45	
BA8C-WO58-0315-2	PCB86/87/97	1.85	1.9	-0.05	1.875	-2.7	OK	0.12	
BA8C-WO58-0315-2	PCB99	1.26	0	1.26	0.63	200.0	<5x MDL, 1x rule, flag D5	0.86	4.3
BA9DC-WO38-0315-2	PCB101	0	0	0	0	0.0	OK	1.97	
BA9DC-WO38-0315-2	PCB105	0	0	0	0	0.0	OK	1.06	
BA9DC-WO38-0315-2	PCB110	0	2.8	-2.8	1.4	-200.0	<5x MDL, 1x rule, flag D5	1.97	9.85
BA9DC-WO38-0315-2	PCB114	0	0	0	0	0.0	OK	0.19	
BA9DC-WO38-0315-2	PCB118	0	0	0	0	0.0	OK	2.7	
BA9DC-WO38-0315-2	PCB123	0	0	0	0	0.0	OK	0.19	
BA9DC-WO38-0315-2	PCB126	0	0	0	0	0.0	OK	0.19	
BA9DC-WO38-0315-2	PCB128	0	0.42	-0.42	0.21	-200.0	<5x MDL, 1x rule, flag D5	0.24	1.2
BA9DC-WO38-0315-2	PCB138	0	0	0	0	0.0	OK	1.1	
BA9DC-WO38-0315-2	PCB149	0	0	0	0	0.0	OK	0.88	
BA9DC-WO38-0315-2	PCB151	0	0	0	0	0.0	OK	0.17	
BA9DC-WO38-0315-2	PCB153/168	0	0	0	0	0.0	OK	1.2	
BA9DC-WO38-0315-2	PCB156/157	0	0	0	0	0.0	OK	0.24	
BA9DC-WO38-0315-2	PCB158	0	0	0	0	0.0	OK	0.18	
BA9DC-WO38-0315-2	PCB167	0	0	0	0	0.0	OK	0.2	
BA9DC-WO38-0315-2	PCB169	0	0	0	0	0.0	OK	0.26	
BA9DC-WO38-0315-2	PCB170	0	0	0	0	0.0	OK	0.32	

Field wSplicate Report
PV Shelf Ocean Water - 2015
SDG L1594359 - Method 1668C

Field Sample ID	Analyte	NS Value	FD Value	DIFF	AVE	RPD	CHECK	mdl	5x mdl
BA9DC-WO38-0315-2	PCB177	0	0	0	0	0.0	OK	0.3	
BA9DC-WO38-0315-2	PCB18	0	0	0	0	0.0	OK	1.4	
BA9DC-WO38-0315-2	PCB180	0	0	0	0	0.0	OK	0.41	
BA9DC-WO38-0315-2	PCB183	0	0	0	0	0.0	OK	0.26	
BA9DC-WO38-0315-2	PCB187	0	0	0	0	0.0	OK	0.31	
BA9DC-WO38-0315-2	PCB189	0	0	0	0	0.0	OK	0.3	
BA9DC-WO38-0315-2	PCB194	0	0	0	0	0.0	OK	0.19	
BA9DC-WO38-0315-2	PCB195	0	0	0	0	0.0	OK	0.2	
BA9DC-WO38-0315-2	PCB201	0	0	0	0	0.0	OK	0.13	
BA9DC-WO38-0315-2	PCB203	0	0	0	0	0.0	OK	0.18	
BA9DC-WO38-0315-2	PCB206	0	0	0	0	0.0	OK	1.9	
BA9DC-WO38-0315-2	PCB209	0.69	0	0.69	0.345	200.0	<5x MDL, 1x rule, flag D5	0.57	2.85
BA9DC-WO38-0315-2	PCB28	0	0	0	0	0.0	OK	4.53	
BA9DC-WO38-0315-2	PCB31	0	0	0	0	0.0	OK	2.3	
BA9DC-WO38-0315-2	PCB37	0	0	0	0	0.0	OK	0.33	
BA9DC-WO38-0315-2	PCB44	0	0	0	0	0.0	OK	4.01	
BA9DC-WO38-0315-2	PCB49	0	1.22	-1.22	0.61	-200.0	<5x MDL, 1x rule, flag D5	0.62	3.1
BA9DC-WO38-0315-2	PCB52	0	0	0	0	0.0	OK	3.63	
BA9DC-WO38-0315-2	PCB61/70/74	0	2.36	-2.36	1.18	-200.0	<5x MDL, 1x rule, flag D5	1.3	6.5
BA9DC-WO38-0315-2	PCB66	0	1.1	-1.1	0.55	-200.0	<5x MDL, 1x rule, flag D5	0.78	3.9
BA9DC-WO38-0315-2	PCB77	0	0	0	0	0.0	OK	1	
BA9DC-WO38-0315-2	PCB8	0	0	0	0	0.0	OK	1.4	
BA9DC-WO38-0315-2	PCB81	0	0	0	0	0.0	OK	0.96	
BA9DC-WO38-0315-2	PCB86/87/97	0	0	0	0	0.0	OK	0.54	
BA9DC-WO38-0315-2	PCB99	0	0	0	0	0.0	OK	0.6	

Field Replicate Report
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Sample ID	Lab Sample ID	Analyte	NS Result	FD Result	DIFF	AVE	RPD	CHECK	MDL	5X MDL
W5-WO58-0915-1/2	L1678771-32/33	PCB101	0.71	1.1	-0.39	0.905	-43.1	Flag D5	0.13	0.65
		PCB105	0.24	0.32	-0.08	0.28	-28.6	OK	0.12	0.6
		PCB110	0	0	0	0	NC	OK	2.9	14.5
		PCB114	0	0	0	0	NC	OK	0.12	0.6
		PCB118	0	0	0	0	NC	OK	1.2	6
		PCB123	0	0	0	0	NC	OK	0.13	0.65
		PCB126	0	0	0	0	NC	OK	0.12	0.6
		PCB128	0.22	0.16	0.06	0.19	31.6	OK	0.1	0.5
		PCB138	0	0	0	0	NC	OK	1.47	7.35
		PCB149	0	0	0	0	NC	OK	0.59	2.95
		PCB151	0	0	0	0	NC	OK	0.42	2.1
		PCB153/168	0	0	0	0	NC	OK	1.3	6.5
		PCB156/157	0	0	0	0	NC	OK	0.908	4.54
		PCB158	0.12	0.095	0.025	0.1075	23.3	OK	0.083	0.415
		PCB167	0	0	0	0	NC	OK	0.082	0.41
		PCB169	0	0	0	0	NC	OK	0.09	0.45
		PCB170	0.26	0.16	0.1	0.21	47.6	<5X MDL, 1X Rule - OK	0.13	0.65
		PCB177	0	0	0	0	NC	OK	0.13	0.65
		PCB18	0	0	0	0	NC	OK	2.76	13.8
		PCB180	0	0	0	0	NC	OK	0.39	1.95
		PCB183	0	0.167	-0.167	0.0835	-200.0	<5X MDL, 1X Rule - Flag D5	0.11	0.55
		PCB187	0.16	0.171	-0.011	0.1655	-6.6	OK	0.095	0.475
		PCB189	0	0	0	0	NC	OK	0.1	0.5
		PCB194	0	0	0	0	NC	OK	0.098	0.49
		PCB195	0	0	0	0	NC	OK	0.098	0.49
		PCB201	0	0	0	0	NC	OK	0.07	0.35
		PCB203	0	0	0	0	NC	OK	0.092	0.46
		PCB206	0	0	0	0	NC	OK	0.55	2.75
		PCB209	0	0	0	0	NC	OK	0.71	3.55

Field Replicate Report
PV Shelf Water - 2015
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Sample ID	Lab Sample ID	Analyte	NS Result	FD Result	DIFF	AVE	RPD	CHECK	MDL	5X MDL
W5-WO58-0915-1/2	L1678771-32/33	PCB28	0	0	0	0	NC	OK	2.6	13
		PCB31	0	0	0	0	NC	OK	2.3	11.5
		PCB37	0	0	0	0	NC	OK	0.31	1.55
		PCB44	0	0	0	0	NC	OK	4	20
		PCB49	0	0	0	0	NC	OK	0.77	3.85
		PCB52	0	0	0	0	NC	OK	2.79	13.95
		PCB61/70/74	1.58	1.45	0.13	1.515	8.6	OK	0.19	0.95
		PCB66	0	0	0	0	NC	OK	1.27	6.35
		PCB77	0	0	0	0	NC	OK	0.19	0.95
		PCB8	0	0	0	0	NC	OK	1.9	9.5
		PCB81	0	0	0	0	NC	OK	0.19	0.95
		PCB86/87/97	0	0	0	0	NC	OK	0.45	2.25
		PCB99	0.61	0.28	0.33	0.445	74.2	<5X MDL, 1X Rule - Flag D5	0.14	0.7

Sample ID	Lab Sample ID	Analyte	NS Result	FD Result	DIFF	AVE	RPD	CHECK	MDL	5X MDL
W5-WO58-0915-1/2	L1678771-32/33	o,p'-DDD	0	0	0	0	NC	OK	0.0021	0.0105
		o,p'-DDE	0.0017	0	0.0017	0.00085	200.0	<5X MDL, 1X Rule - Flag D5	0.001	0.005
		o,p'-DDT	0	0	0	0	NC	OK	0.01	0.05
		p,p'-DDD	0	0	0	0	NC	OK	0.0074	0.037
		p,p'-DDE	0.0111	0.017	-0.0059	0.01405	-42.0	<5X MDL, 1X Rule - Flag D5	0.0026	0.013
		p,p'-DDMU	0	0	0	0	NC	OK	0.0063	0.0315
		p,p'-DDNU	0	0	0	0	NC	OK	0.00031	0.00155
		p,p'-DDT	0	0	0	0	NC	OK	0.068	0.34

Field Triplicate Report
PV Shelf Water - 2015
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Sample ID	Method	Analyte	Field Replicate	NS Result	Diff	Ave	RPD	Check	MDL	5X MDL
BA7DC-WO38-0915	E1668C	PCB101	5.5	5.18	0.32	5.34	6.0	OK	0.17	0.85
BA7DC-WO38-0915		PCB105	2.26	3.95	-1.69	3.105	-54.4	Flag D5	0.098	0.49
BA7DC-WO38-0915		PCB110	7.61	8.72	-1.11	8.165	-13.6	OK	0.15	0.75
BA7DC-WO38-0915		PCB114	0	0.24	-0.24	0.12	-200.0	<5X MDL, 1X Rule - Flag D5	0.099	0.495
BA7DC-WO38-0915		PCB118	5.53	4.9	0.63	5.215	12.1	OK	0.1	0.5
BA7DC-WO38-0915		PCB123	0.14	0.18	-0.04	0.16	-25.0	OK	0.099	0.495
BA7DC-WO38-0915		PCB126	0	0	0	0	0.0	OK	0.097	0.485
BA7DC-WO38-0915		PCB128	0.5	0.46	0.04	0.48	8.3	OK	0.065	0.325
BA7DC-WO38-0915		PCB138	4.29	3.26	1.03	3.775	27.3	OK	0.07	0.35
BA7DC-WO38-0915		PCB149	0	2	-2	1	-200.0	<5X MDL, 1X Rule - Flag D5	0.073	0.365
BA7DC-WO38-0915		PCB151	1.15	1.03	0.12	1.09	11.0	OK	0.062	0.31
BA7DC-WO38-0915		PCB153/168	3.23	2.24	0.99	2.735	36.2	OK	0.06	0.3
BA7DC-WO38-0915		PCB156/157	0.47	0.43	0.04	0.45	8.9	OK	0.077	0.385
BA7DC-WO38-0915		PCB158	0.37	0.283	0.087	0.3265	26.6	OK	0.051	0.255
BA7DC-WO38-0915		PCB167	0.21	0	0.21	0.105	200.0	<5X MDL, 1X Rule - Flag D5	0.058	0.29
BA7DC-WO38-0915		PCB169	0	0.124	-0.124	0.062	-200.0	<5X MDL, 1X Rule - Flag D5	0.057	0.285
BA7DC-WO38-0915		PCB170	0.715	0.27	0.445	0.4925	90.4	<5X MDL, 1X Rule - Flag D5	0.066	0.33
BA7DC-WO38-0915		PCB177	0.34	0	0.34	0.17	200.0	<5X MDL, 1X Rule - Flag D5	0.067	0.335
BA7DC-WO38-0915		PCB18	0	0	0	0	0.0	OK	2.5	12.5
BA7DC-WO38-0915		PCB180	1.42	0.83	0.59	1.125	52.4	Flag D5	0.051	0.255
BA7DC-WO38-0915		PCB183	0.41	0.24	0.17	0.325	52.3	<5X MDL, 1X Rule - Flag D5	0.061	0.305
BA7DC-WO38-0915		PCB187	0.754	0.44	0.314	0.597	52.6	Flag D5	0.052	0.26

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Sample ID	Method	Analyte	Field Replicate		Diff	Ave	RPD	Check	MDL	5X MDL
			Result	NS Result						
BA7DC-WO38-0915		PCB189	0	0	0	0	0.0	OK	0.068	0.34
BA7DC-WO38-0915		PCB194	0.27	0.16	0.11	0.215	51.2	<5X MDL, 1X Rule - Flag D5	0.072	0.36
BA7DC-WO38-0915		PCB195	0.15	0	0.15	0.075	200.0	<5X MDL, 1X Rule - Flag D5	0.079	0.395
BA7DC-WO38-0915		PCB201	0	0	0	0	0.0	OK	0.055	0.275
BA7DC-WO38-0915		PCB203	0	0.16	-0.16	0.08	-200.0	<5X MDL, 1X Rule - Flag D5	0.066	0.33
BA7DC-WO38-0915		PCB206	0	0	0	0	0.0	OK	0.22	1.1
BA7DC-WO38-0915		PCB209	1.54	0	1.54	0.77	200.0	<5X MDL, 1X Rule - Flag D5	0.055	0.275
BA7DC-WO38-0915		PCB28	5.57	4.57	1	5.07	19.7	OK	0.15	0.75
BA7DC-WO38-0915		PCB31	3.94	3.76	0.18	3.85	4.7	OK	0.15	0.75
BA7DC-WO38-0915		PCB37	0	1.79	-1.79	0.895	-200.0	<5X MDL, 1X Rule - Flag D5	1.12	5.6
BA7DC-WO38-0915		PCB44	6.96	7.31	-0.35	7.135	-4.9	OK	0.083	0.415
BA7DC-WO38-0915		PCB49	3.38	3.33	0.05	3.355	1.5	OK	0.076	0.38
BA7DC-WO38-0915		PCB52	7.34	7.02	0.32	7.18	4.5	OK	0.097	0.485
BA7DC-WO38-0915		PCB61/70/74	9.48	11.1	-1.62	10.29	-15.7	OK	0.1	0.5
BA7DC-WO38-0915		PCB66	5.86	7.66	-1.8	6.76	-26.6	OK	0.11	0.55
BA7DC-WO38-0915		PCB77	0.48	1.3	-0.82	0.89	-92.1	<5X MDL, 1X Rule - Flag D5	0.11	0.55
BA7DC-WO38-0915		PCB8	0	0	0	0	0.0	OK	2	10
BA7DC-WO38-0915		PCB81	0	0	0	0	0.0	OK	0.12	0.6
BA7DC-WO38-0915		PCB86/87/97	3.91	2.6	1.31	3.255	40.2	OK	0.16	0.8
BA7DC-WO38-0915		PCB99	3.25	2.9	0.35	3.075	11.4	OK	0.19	0.95
BA7DC-WO38-0915	E1699	o,p'-DDD	0.024	0.035	-0.011	0.0295	-37.3	Flag D5	0.0042	0.021
BA7DC-WO38-0915		o,p'-DDE	0.116	0.0958	0.0202	0.1059	19.1	OK	0.00093	0.00465

Field Triplicate Report
PV Shelf Water - 2015
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Sample ID	Method	Analyte	NS Result	FD Result	Diff	Ave	RPD	Check	MDL	5X MDL
BA7DC-WO38-0915	E1668C	o,p'-DDT	0	0	0	0	0.0	OK	0.0097	0.0485
BA7DC-WO38-0915		p,p'-DDD	0.0821	0.0808	0.0013	0.08145	1.6	OK	0.0055	0.0275
BA7DC-WO38-0915		p,p'-DDE	0.566	0.477	0.089	0.5215	17.1	OK	0.0021	0.0105
BA7DC-WO38-0915		p,p'-DDMU	0.399	0.374	0.025	0.3865	6.5	OK	0.0079	0.0395
BA7DC-WO38-0915		p,p'-DDNU	0.0207	0.017	0.0037	0.01885	19.6	OK	0.0032	0.016
BA7DC-WO38-0915		p,p'-DDT	0.0145	0.0113	0.0032	0.0129	24.8	OK	0.0093	0.0465
BA7DC-WO38-0915		PCB101	5.18	4.57	0.61	4.875	12.5	OK	0.17	0.85
BA7DC-WO38-0915		PCB105	3.95	1.51	2.44	2.73	89.4	Flag D5	0.098	0.49
BA7DC-WO38-0915		PCB110	8.72	5.67	3.05	7.195	42.4	Flag D5	0.15	0.75
BA7DC-WO38-0915		PCB114	0.24	0.19	0.05	0.215	23.3	OK	0.099	0.495
BA7DC-WO38-0915		PCB118	4.9	3.26	1.64	4.08	40.2	Flag D5	0.1	0.5
BA7DC-WO38-0915		PCB123	0.18	0	0.18	0.09	200.0	<5X MDL, 1X Rule - Flag D5	0.099	0.495
BA7DC-WO38-0915		PCB126	0	0	0	0	0.0	OK	0.097	0.485
BA7DC-WO38-0915		PCB128	0.46	0.36	0.1	0.41	24.4	OK	0.065	0.325
BA7DC-WO38-0915		PCB138	3.26	1.93	1.33	2.595	51.3	Flag D5	0.07	0.35
BA7DC-WO38-0915		PCB149	2	1.7	0.3	1.85	16.2	OK	0.073	0.365
BA7DC-WO38-0915		PCB151	1.03	0.76	0.27	0.895	30.2	OK	0.062	0.31
BA7DC-WO38-0915		PCB153/168	2.24	1.83	0.41	2.035	20.1	OK	0.06	0.3
BA7DC-WO38-0915		PCB156/157	0.43	0.18	0.25	0.305	82.0	<5X MDL, 1X Rule - Flag D5	0.077	0.385
BA7DC-WO38-0915		PCB158	0.283	0.17	0.113	0.2265	49.9	<5X MDL, 1X Rule - Flag D5	0.051	0.255
BA7DC-WO38-0915		PCB167	0	0	0	0	0.0	OK	0.058	0.29
BA7DC-WO38-0915		PCB169	0.124	0	0.124	0.062	200.0	<5X MDL, 1X Rule - Flag D5	0.057	0.285
BA7DC-WO38-0915		PCB170	0.27	0.24	0.03	0.255	11.8	OK	0.066	0.33
BA7DC-WO38-0915		PCB177	0	0	0	0	0.0	OK	0.067	0.335
BA7DC-WO38-0915		PCB18	0	3.14	-3.14	1.57	-200.0	<5X MDL, 1X Rule - Flag D5	2.5	12.5

Field Triplicate Report
PV Shelf Water - 2015
SDG L1678061

Sample ID	Method	Analyte	NS Result	FD Result	Diff	Ave	RPD	Check	MDL	5X MDL
BA7DC-WO38-0915	E1699	PCB180	0.83	0.467	0.363	0.6485	56.0	Flag D5	0.051	0.255
BA7DC-WO38-0915		PCB183	0.24	0.15	0.09	0.195	46.2	<5X MDL, 1X Rule - Flag D5	0.061	0.305
BA7DC-WO38-0915		PCB187	0.44	0.27	0.17	0.355	47.9	Flag D5	0.052	0.26
BA7DC-WO38-0915		PCB189	0	0	0	0	0.0	OK	0.068	0.34
BA7DC-WO38-0915		PCB194	0.16	0	0.16	0.08	200.0	<5X MDL, 1X Rule - Flag D5	0.072	0.36
BA7DC-WO38-0915		PCB195	0	0	0	0	0.0	OK	0.079	0.395
BA7DC-WO38-0915		PCB201	0	0	0	0	0.0	OK	0.055	0.275
BA7DC-WO38-0915		PCB203	0.16	0.109	0.051	0.1345	37.9	OK	0.066	0.33
BA7DC-WO38-0915		PCB206	0	0	0	0	0.0	OK	0.22	1.1
BA7DC-WO38-0915		PCB209	0	0	0	0	0.0	OK	0.055	0.275
BA7DC-WO38-0915		PCB28	4.57	4.79	-0.22	4.68	-4.7	OK	0.15	0.75
BA7DC-WO38-0915		PCB31	3.76	4.06	-0.3	3.91	-7.7	OK	0.15	0.75
BA7DC-WO38-0915		PCB37	1.79	0	1.79	0.895	200.0	<5X MDL, 1X Rule - Flag D5	1.12	5.6
BA7DC-WO38-0915		PCB44	7.31	9.54	-2.23	8.425	-26.5	OK	0.083	0.415
BA7DC-WO38-0915		PCB49	3.33	3.2	0.13	3.265	4.0	OK	0.076	0.38
BA7DC-WO38-0915		PCB52	7.02	6.98	0.04	7	0.6	OK	0.097	0.485
BA7DC-WO38-0915		PCB61/70/74	11.1	8.18	2.92	9.64	30.3	OK	0.1	0.5
BA7DC-WO38-0915		PCB66	7.66	4.77	2.89	6.215	46.5	Flag D5	0.11	0.55
BA7DC-WO38-0915		PCB77	1.3	0.27	1.03	0.785	131.2	<5X MDL, 1X Rule - Flag D5	0.11	0.55
BA7DC-WO38-0915		PCB8	0	0	0	0	0.0	OK	2	10
BA7DC-WO38-0915		PCB81	0	0	0	0	0.0	OK	0.12	0.6
BA7DC-WO38-0915		PCB86/87/97	2.6	3.18	-0.58	2.89	-20.1	OK	0.16	0.8
BA7DC-WO38-0915		PCB99	2.9	2.7	0.2	2.8	7.1	OK	0.19	0.95
BA7DC-WO38-0915		o,p'-DDD	0.035	0.028	0.007	0.0315	22.2	OK	0.0042	0.021
BA7DC-WO38-0915		o,p'-DDE	0.0958	0.0893	0.0065	0.09255	7.0	OK	0.00093	0.00465
BA7DC-WO38-0915		o,p'-DDT	0	0	0	0	0.0	OK	0.0097	0.0485

Field Triplicate Report
PV Shelf Water - 2015
SDG L1678061

Sample ID	Method	Analyte	NS Result	FD Result	Diff	Ave	RPD	Check	MDL	5X MDL
BA7DC-WO38-0915		p,p'-DDD	0.0808	0.0671	0.0137	0.07395	18.5	OK	0.0055	0.0275
BA7DC-WO38-0915		p,p'-DDE	0.477	0.426	0.051	0.4515	11.3	OK	0.0021	0.0105
BA7DC-WO38-0915		p,p'-DDMU	0.374	0.381	-0.007	0.3775	-1.9	OK	0.0079	0.0395
BA7DC-WO38-0915		p,p'-DDNU	0.017	0.0167	0.0003	0.01685	1.8	OK	0.0032	0.016
BA7DC-WO38-0915		p,p'-DDT	0.0113	0.0085	0.0028	0.0099	28.3	OK	0.0093	0.0465

Field Triplicate Report
PV Shelf Ocean Water - 2015
SDG L1594359 - Method 1699

Field Sample ID	Analyte	FR Value	NS Value	DIFF	AVE	FR/NS RPD	MDL	5X MDL	CHECK
BA8C-WO58-0315-1/2	o,p'-DDD	0	0	0	0	0	0.013	0.065	ok
	o,p'-DDE	0.0156	0.0247	-0.0091	0.02015	-45.16129	0.0043	0.0215	<5X, 1x Rule - flag D5
	o,p'-DDT	0	0	0	0	0	0.021	0.105	ok
	p,p'-DDD	0	0	0	0	0	0.013	0.065	ok
	p,p'-DDE	0.367	0.209	0.158	0.288	54.86111111	0.0074	0.037	Flag D5
	p,p'-DDMU	0.0099	0.029	-0.0191	0.01945	-98.200514	0.011	0.055	<5X, 1x Rule - flag D5
	p,p'-DDNU	0	0.00214	-0.00214	0.00107	-200	0.00068	0.0034	<5X, 1x Rule - flag D5
	p,p'-DDT	0	0	0	0	0	0.036	0.18	ok
		FD Value	NS Value	DIFF	AVE	FD/NS RPD	MDL	5X MDL	CHECK
BA8C-WO58-0315-2/-3	o,p'-DDD	0	0	0	0	0	0.013	0.065	ok
	o,p'-DDE	0.017	0.0247	-0.0077	0.02085	-36.930456	0.0043	0.0215	Flag D5
	o,p'-DDT	0	0	0	0	0	0.021	0.105	ok
	p,p'-DDD	0	0	0	0	0	0.013	0.065	ok
	p,p'-DDE	0	0.209	-0.209	0.1045	-200	0.0074	0.037	Flag D5
	p,p'-DDMU	0	0.029	-0.029	0.0145	-200	0.011	0.055	<5X, 1x Rule - flag D5
	p,p'-DDNU	0	0.00214	-0.00214	0.00107	-200	0.00068	0.0034	<5X, 1x Rule - flag D5
	p,p'-DDT	0	0	0	0	0	0.036	0.18	ok

Field Triplicate Report
PV Shelf Ocean Water - 2015
SDG L1594359 - Method 1699

Field Sample ID	Analyte	FR Value	NS Value	DIFF	AVE	FR/NS RPD	MDL	5X MDL	CHECK
BA9DC-WO38-0315-1/-2	o,p'-DDD	0	0	0	0	0	0.014	0.07	ok
	o,p'-DDE	0.0223	0.0046	0.02	0.01345	131.598513	0.0032	0.016	<5X, 1x Rule - flag D5
	o,p'-DDT	0	0	0	0	0	0.011	0.055	ok
	p,p'-DDD	0.0135	0	0.01	0.00675	200	0.0083	0.0415	<5X, 1x Rule - flag D5
	p,p'-DDE	0.105	0.041	0.06	0.073	87.67123288	0.012	0.06	<5X, 1x Rule - flag D5
	p,p'-DDMU	0.0299	0	0.03	0.01495	200	0.0091	0.0455	<5X, 1x Rule - flag D5
	p,p'-DDNU	0.00335	0.00099	0	0.00217	108.7557604	0.00073	0.00365	<5X, 1x Rule - flag D5
	p,p'-DDT	0	0	0	0	0	0.0097	0.0485	ok
		FD Value	NS Value	DIFF	AVE	FD/NS RPD	MDL	5X MDL	CHECK
BA9DC-WO38-0315-2/-3	o,p'-DDD	0	0	0	0	0	0.014	0.07	ok
	o,p'-DDE	0.013	0.0046	0.01	0.0088	95.45454545	0.0032	0.016	<5X, 1x Rule - flag D5
	o,p'-DDT	0	0	0	0	0	0.011	0.055	ok
	p,p'-DDD	0.007	0	0.01	0.0035	200	0.0083	0.0415	<5X, 1x Rule - OK
	p,p'-DDE	0.0611	0.041	0.02	0.05105	39.37316357	0.012	0.06	<5X, 1x Rule - flag D5
	p,p'-DDMU	0.019	0	0.02	0.0095	200	0.0091	0.0455	<5X, 1x Rule - flag D5
	p,p'-DDNU	0.00229	0.00099	0	0.00164	79.26829268	0.00073	0.00365	<5X, 1x Rule - flag D5
	p,p'-DDT	0	0	0	0	0	0.0097	0.0485	ok

ATTACHMENT 3
FIELD CHANGE REQUESTS

FIELD CHANGE REQUEST (FCR)**Part 1 – Proposed Change***(To be completed by person requesting change)*Project Name: *PV Shelf Water Sampling Program*

Page 1 of 5

Project No./Task Code: *J1630069/C.02.AN04000*FCR No.: *Water-001*

Applicable Document(s):

Final Quality Assurance Project Plan (QAPP) - Water Sampling Program, Remedial Action - Monitored Natural Recovery Component, Palos Verdes Shelf Los Angeles County, California (Gilbane, 2014).

Problem Description:

The final QAPP Worksheet 12 - Measurement Performance Criteria, was prepared prior to the laboratory finalizing method development and providing performance limits for a labeled Oxychlordane surrogate for DDMU and DDNU. Also, PCB cleanup standards were omitted from the final QAPP Worksheet 12, and there was no provision for the evaluation of these cleanup standards. Cleanup standards are added to the extract after extraction and prior to the cleanup process to monitor target analyte losses.

Continued on Continuation Sheet: ☐

Recommended Solution:

Revise Worksheet 12 to reflect actual lab control limits for the added labeled Oxychlordane DDMU and DDNU surrogate, and labeled PCB cleanup standards, per the Worksheet 12 addendum on page 5 of 5 of this FCR. The PCB cleanup standards are to be evaluated during data validation using the procedure for labeled compounds as outlined in Section XIV of the USEPA CLP National Functional Guidelines for Chlorinated CDDs and Chlorinated CDFs Data Review, EPA-540-R-11-0616 (September 2011). The QAPP specific limits for the cleanup standards are presented on the Worksheet 12 addendum on page 5 of 5 of this FCR.

Continued on Continuation Sheet: ☐Degree of Impact: Clarification: ☐ Minor Change: ☒ Major Change: ☐

Comments:

Minor change to add performance criteria to the final QAPP Worksheet 12 for data validation purposes.

Requested by:

Tom Beer

Digitally signed by Tom Beer
DN: cn=Tom Beer, o=ou,
email=tbeer@gilbaneco.com, c=US
Date: 2015.07.21 17:43:05 -07'00'

Title:

Project Chemist

Date:

7-22-2015

FIELD CHANGE REQUEST (FCR)



Project Name: *PV Shelf Water Sampling Program*

Page 2 of 5

Project No./Task Code: *J1630069/C.02.AN04000*

FCR No.: *Water-001*

Part 2 – Technical and Project Manager Review/Approval

(Technical reviewer can be Gilbane Federal or qualified 3rd party)

Technical Reviewer *(The TR to approve or reject and sign; if not used, note reason in comments)*

Approved: ☒

Rejected: ☐

Comments:

None.

Name (print):

Kristen Carlyon - Senior Chemist

Signature:

**Kristen
Carlyon**

Digitally signed by Kristen Carlyon
DN: cn=Kristen Carlyon, o=Gilbane,
ou, email=kcarlyon@gilbaneco.com,
c=US
Date: 2015.07.22 09:56:41 -07'00'

Date:

7/22/2015

Gilbane Project Manager *(The PM to approve or reject, decide if client/regulatory approval is necessary, and sign)*

Approved: ☒

Rejected: ☐

Comments:

No client or regulatory approval needed.

Is **Radiation Safety Committee** review required?

Yes: ☐

No: ☒

If yes, Part 3 should be completed (Page 3)

Is **Client** notification/acknowledgement required?

Yes: ☐

No: ☒

If yes, attach documentation to the FCR

Is **Client** approval required?

Yes: ☐

No: ☒

If yes, Part 4 should be completed (Page 3)

Is **Regulatory Agency** approval required?

Yes: ☐

No: ☒

If yes, Part 5 should be completed (Page 3)

Name (print):

Robert Lindfors

Signature:

**Robert
Lindfors**

Digitally signed by Robert Lindfors
DN: cn=Robert Lindfors, o=Gilbane,
ou=Gilbane,
email=lindfors@gilbaneco.com, c=US
Date: 2015.07.22 10:27:32 -07'00'

Date:

22 July 2015

Part 3 – Final Resolution and Verification of Change

(To be completed only after all approvals required above have been received)

Description of Implemented Solution:

Name (print) of Requestor:

Signature:

Date:

Name (print) of Subcontractor (if applicable):

Signature:

Date:

Name (print) of Field Team Lead or Project QCM:

Signature:

Date:

FIELD CHANGE REQUEST (FCR)Project Name: *PV Shelf Water Sampling Program*Page **3** of **5**Project No./Task Code: *J1630069/C.02.AN04000*FCR No.: *Water-001***Option A – Radiation Safety Committee***(Required as identified on page 2)*Approved: ☐Rejected: ☐

Comments:

Name (print):

Signature:

Date:

Option B – Client Approval*(Required if marked on page 2)*Approved: ☐Rejected: ☐

Comments:

Name (print):

Signature:

Date:

Option B – Additional Client Approval (e.g., ROICC, Title 2 Oversight, etc.)*(Required if marked on page 2)*Approved: ☐Rejected: ☐

Comments:

Name (print):

Signature:

Date:

Option C – Regulatory Agency Approval*(Required if marked on page 2)*Approved: ☐Rejected: ☐

Comments:

Name (print) and Agency/Title:

Signature:

Date:

FIELD CHANGE REQUEST



Continuation Sheet(s)

(As needed, attach as many as needed)

Project Name: *PV Shelf Water Sampling Program*

Page 4 of 5

Project No./Task Code: *J1630069/C.02.AN04000*

FCR No.: *Water-001*

Continuation from: *NONE*

Continuation from:

FIELD CHANGE REQUEST



Continuation Sheet(s)

(As needed, attach as many as needed)

Project Name: *PV Shelf Water Sampling Program*

Page **5** of **5**

Project No./Task Code: *J1630069/C.02.AN04000*

FCR No.: *Water-001*

Continuation from: *Recommended Solution on page 1 of 5*

(click in the field below to insert a pdf image)

Worksheet 12 --Measurement Performance Criteria (Addendum)

Analytical Group/Method: DDTs/EPA 1699

Estimated Concentration Level: Ultra-trace

Matrix: Water (picograms per liter [pg/L])

DQI	QC sample or measurement performance activity	Measurement performance criteria ¹	
		Spike Analyte	% Recovery
Accuracy	Extraction standards for quantitation and surrogates	Oxychlordane- ¹³ C ₁₀	23-135
Accuracy	Laboratory Control Sample (LCS) or Ongoing Precision and Recovery (OPR) Sample	Oxychlordane- ¹³ C ₁₀	5-144

Analytical Group/Method: PCBs/EPA 1668C

Estimated Concentration Level: Ultra-trace

Matrix: Water (pg/L)

DQIs	QC sample or measurement performance activity	Measurement performance criteria ¹	
		Spike Analyte	% Recovery
Accuracy	Cleanup standards for surrogates	¹³ C ₁₂ -PCB-028	5-145%
		¹³ C ₁₂ -PCB-111	10-145%
		¹³ C ₁₂ -PCB-178	10-145%

Notes:

DQI = data quality indicator

OPR = ongoing precision and recovery

LCS= laboratory control sample

See Worksheet 21 for sampling procedures list.

1. EPA Method 1668C Chlorinated Biphenyl Congeners (April 2010) or EPA Method 1699 Pesticides (December 2007), in Water, Soil, Sediment, Biosolids and Tissue by HRGC/HRMS.

FIELD CHANGE REQUEST (FCR)**Part 1 – Proposed Change***(To be completed by person requesting change)*Project Name: *PV Shelf Water Sampling Program*

Page 1 of 5

Project No./Task Code: *J163006900/C.02.AN04000*FCR No.: *Water-002*

Applicable Document(s):

Final Quality Assurance Project Plan (QAPP) - Water Sampling Program, Remedial Action - Monitored Natural Recovery Component, Palos Verdes Shelf Los Angeles County, California (Gilbane, 2014).

Problem Description:

Final QAPP (Gilbane, 2014), Section 4.0 Sampling Requirements, Worksheets 19 & 30 - Sample Containers, Preservation and Hold Times: The stated hold time for PCBs in water samples by EPA high-resolution Method 1668C of 7 days to extraction and 40 days to analysis, is inconsistent with the QAPP Attachment 3 ALS laboratory SOP BU-TM-1105-v07 PCB Congeners, for Determination of Congener Specific Chlorinated Biphenyls (ALS, 2013), and with the EPA Method 1668C for Chlorinated Biphenyl Congeners in Water, Soil, Sediment, Biosolids, and Tissue by HRGC/HRMS (EPA, 2010).

Continued on Continuation Sheet: ☐

Recommended Solution:

The PCB holding times for preparation and analysis should be changed to the EPA Method holding times "If stored in the dark at less than 6C, aqueous samples may be stored for up to one year" and "if stored in the dark at less than -10C, sample extracts may be stored for one year" (EPA, 2010). The equivalent text from the ALS laboratory SOP BU-TM-1105-v07 states that "If stored in the dark at less than 0-4C..., aqueous samples may be stored for up to one year" and "If stored in the dark at <-10 deg C, sample extracts may be stored for up to one year" (ALS, 2013).

Therefore, the Maximum holding times for (preparation/analysis) column for PCBs in Worksheets 19 & 30 should be changed to read "1 year extract, 1 year analysis" (see revised Worksheets 19 & 30 on page 5 of 5).

Continued on Continuation Sheet: ☒Degree of Impact: Clarification: ☐ Minor Change: ☒ Major Change: ☐

Comments:

Minor change to the PCB sample holding times in Worksheets 19 & 30 for data validation purposes.

Requested by:

J. Beer

Digitally signed by Tom Beer
DN: cn=Tom Beer, o, cu,
email=tbeer@gilbaneco.com, c=US
Date: 2017.01.27 11:06:41 -08'00'

Title:

Project Chemist

Date:

7/18/2016

FIELD CHANGE REQUEST (FCR)Project Name: *PV Shelf Water Sampling Program*

Page 2 of 5

Project No./Task Code: *J163006900/C.02.AN04000*FCR No.: *Water-002***Part 2 – Technical and Project Manager Review/Approval***(Technical reviewer can be Gilbane Federal or qualified 3rd party)***Technical Reviewer** *(The TR to approve or reject and sign; if not used, note reason in comments)*Approved: ☐Rejected: ☐

Comments:

Name (print):

Signature:

Date:

Gilbane Project Manager *(The PM to approve or reject, decide if client/regulatory approval is necessary, and sign)*Approved: ☐Rejected: ☐

Comments:

*No client or regulatory approval needed.*Is **Radiation Safety Committee** review required? Yes: ☐ No: ☒ If yes, Part 3 should be completed (Page 3)Is **Client** notification/acknowledgement required? Yes: ☐ No: ☒ If yes, attach documentation to the FCRIs **Client** approval required? Yes: ☐ No: ☒ If yes, Part 4 should be completed (Page 3)Is **Regulatory Agency** approval required? Yes: ☐ No: ☒ If yes, Part 5 should be completed (Page 3)

Name (print):

Signature:

Date:

Part 3 – Final Resolution and Verification of Change*(To be completed only after all approvals required above have been received)*

Description of Implemented Solution:

Name (print) of Requestor:

Signature:

Date:

Name (print) of Subcontractor (if applicable):

Signature:

Date:

Name (print) of Field Team Lead or Project QCM:

Signature:

Date:

FIELD CHANGE REQUEST (FCR)Project Name: *PV Shelf Water Sampling Program*Page **3** of **5**Project No./Task Code: *J163006900/C.02.AN04000*FCR No.: *Water-002***Option A – Radiation Safety Committee***(Required as identified on page 2)*Approved: ☐Rejected: ☐

Comments:

Name (print):

Signature:

Date:

Option B – Client Approval*(Required if marked on page 2)*Approved: ☐Rejected: ☐

Comments:

Name (print):

Signature:

Date:

Option B – Additional Client Approval (e.g., ROICC, Title 2 Oversight, etc.)*(Required if marked on page 2)*Approved: ☐Rejected: ☐

Comments:

Name (print):

Signature:

Date:

Option C – Regulatory Agency Approval*(Required if marked on page 2)*Approved: ☐Rejected: ☐

Comments:

Name (print) and Agency/Title:

Signature:

Date:

FIELD CHANGE REQUEST



Continuation Sheet(s)

(As needed, attach as many as needed)

Project Name: *PV Shelf Water Sampling Program*

Page of **5**

Project No./Task Code: *J163006900/C.02.AN04000*

FCR No.: *Water-002*

Continuation from: *NONE*

Continuation from:

FIELD CHANGE REQUEST



Continuation Sheet(s)

(As needed, attach as many as needed)

Project Name: *PV Shelf Water Sampling Program*

Page **5** of **5**

Project No./Task Code: *J163006900/C.02.AN04000*

FCR No.: *Water-002*

Continuation from: *Recommended Solution on page 1 of 5*

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4.0 SAMPLING REQUIREMENTS

Worksheets 19 & 30 -- Sample Containers, Preservation, and Hold Times

Laboratory: ALS Environmental
5420 Mainway Drive #5
Burlington, ON Canada, L7L 6A4
Telephone: 1 905-331-3111

NELAP Certified
Back-up Laboratory: None
Sample Delivery Method: Overnight Shipping by FedEx

Matrix	Analytical group	Preparation/analytical methods	Containers (number, size, and type)	Preservation requirements (chemical, temperature, light protected)	Maximum holding times (preparation/analysis)	Data package TAT
Water	DDTs	3510C/1699	1 x 2.5-liter amber	< 6°C, dark	7 days extract 40 days analysis	21 days
Water	PCBs	3510C /1668C			1 year extract 1 year analysis	

Notes

°C = Celsius degrees

TAT = Turnaround time

Methods 1668C and 1699 utilize isotopically-labeled standards with each field sample analysis. No additional sample volume for Matrix Spike/Matrix Spike Duplicate (MS/MSD) analysis will be collected.