Appendix C

Data Quality and Usability Assessment
San Gabriel Valley Area 3
Superfund Site

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Acronyms and Abbreviations

Area 3	San Gabriel Valley Area 3 Superfund Site
CCR	California Code of Regulations
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CFR	Code of Federal Regulations
CLP	Contract Laboratory Program
COC	chain-of-custody
COPC	contaminant of potential concern
DPH	California Department of Public Health
DQO	data quality objective
DTSC	California Department of Toxic Substances Control
EPA	United States Environmental Protection Agency
FSP	Field Sampling Plan
GC/MS	gas chromatography/mass spectrometry
HHRA	human health risk assessment
LARWQCB	California Regional Water Quality Control Board – Los Angeles Region
MCL	maximum contaminant level
µg/L	micrograms per liter
mg/L	milligrams per liter
ml	milliliter
ml/min	milliliters per minute
NDMA	n-nitrosodimethylamine
NL	notification level
NPL	National Priorities List
PARCC parameters	precision, accuracy, representativeness, comparability, and completeness
PCE	tetrachloroethene

PE	performance evaluation
QA/QC	quality assurance/quality control
QAPP	Quality Assurance Project Plan
RI	remedial investigation
RPD	relative percent difference
RSL	regional screening level
SE	southeastern
SVOC	semivolatile organic compound
TCE	trichloroethene
1,2,3-TCP	1,2,3-trichloropropane
TIC	tentatively identified compound
VOC	volatile organic compound
Watermaster	Main San Gabriel Basin Watermaster

Glossary

anion: A negatively charged particle.

aquifer: A saturated fine-grained geologic unit, often of sand or gravel, which contains and transmits significant quantities of water under normal conditions.

basin: A large geologic depression in the bedrock that is filled with unconsolidated sediments.

chronic: Long-term exposure or adverse effect. Sub-lethal effects (e.g., growth or reproduction) that may be measured over a long exposure period.

Comprehensive Environmental Response, Compensation, and Liability Act: Commonly known as Superfund, this act (Public Law 96-510; December 10, 1980) provides broad federal authority to respond directly to releases or threatened releases of hazardous substances that may endanger public health or the environment.

conceptual site model: A planning tool that provides the framework from which the study design is structured. It is frequently created as a site map that organizes information that already is known about a site.

contaminant: A substance not naturally present in the environment or present in unnatural concentrations that can, in sufficient concentration, adversely alter an environment.

contamination: The presence of hazardous substances in the environment.

conventional groundwater monitoring well: A groundwater monitoring well completed with one screened interval for monitoring one depth interval of an aquifer.

data quality objectives: Performance and acceptance criteria that clarify study objectives, define the appropriate type of data, and specify tolerable levels of potential decision errors that will be used as the basis for establishing the quality and quantity of data needed to support decisions.

ecological risk assessment: A process for systematically evaluating the likelihood that adverse ecological effects may occur as a result of exposure to one or more contaminants.

emergent chemical: A compound of concern due to detection in groundwater or surface water. The compound has acute or chronic health affects in humans.

environmental data: Any measurements or information that describe environmental processes, location, or conditions; ecological or health effects and consequences; or the performance of environmental technology.

exposure pathway: Route by which a contaminant travels from a source (e.g., leaky tank or contaminated soil) to receptors. A pathway can involve multiple media (e.g., soil runoff to surface waters and sediment, or volatilization to the atmosphere).

fault: A fracture in the continuity of a rock formation, caused by a shifting or dislodging of the earth's crust, in which adjacent surfaces are displaced relative to one another and parallel to the plane of fracture.

fate: The processes by which the contaminant moves through and is transformed in the environment.

folds: Bends in a stratum of rock.

fractures: Cracks in the earth's crust resulting from the displacement of one side with respect to the other.

geochemistry: The study of the distribution and amounts of the chemical elements in minerals, rocks, soils, water and the atmosphere, and chemical element circulation in nature.

geologic and soil investigations: Studies conducted to characterize the physical and chemical properties of soil and rock in the subsurface, including identifying contamination when present.

geophysical log: A graphical representation record of properties of subsurface geologic materials; commonly used to determine soil or rock type and the location of the water table.

groundwater: Water occurring underground, in the zone of saturation in an aquifer.

human health risk assessment: Qualitative and quantitative evaluation of the risk posed to human health by the actual or potential presence of specific contaminants.

Key contaminants of potential concern: The contaminants detected multiple times in groundwater at production wells within Area 3 at concentrations that exceed evaluation criteria.

lithologic log: Record of visual observations and manual testing that describe the type of rock and/or soil encountered at depth, as described when drilling a borehole.

maximum contaminant level: The maximum permissible level of a contaminant in water that is delivered to any user of a public water system.

mitigation: An action taken to avoid, reduce, or compensate for the effects of environmental damage.

multiport monitoring well: A type of monitoring well equipped with a sampling port for monitoring groundwater at multiple depth intervals of an aquifer.

National Priorities List: A list published in the Federal Register of hazardous waste sites in the United States that are eligible for extensive, long-term cleanup under the Superfund program.

notification level: Health-based advisory level (formerly referred to as Action Levels) established by the California Department of Public Health for certain chemicals for which no established drinking water standards exist.

piezometric: An imaginary surface representing the total head of ground water and defined by the level to which water will rise in a well.

primary data: Data generated or collected by the investigator during an investigative process.

receptor: A plant or animal species used to estimate the potential exposure to contamination and likelihood of adverse effects to similar organisms in the environment.

relative percent difference: The difference between two sample results divided by their mean and expressed as a percentage.

remedial action: The actual construction or implementation phase of a Superfund site cleanup that follows remedial design.

remedial investigation: Actions undertaken to characterize the full nature and extent of contamination, including characterization of hazardous substances, identification of contaminant sources, and assessment of human health and ecological risk.

secondary data: Data collected or generated by a party other than the investigator during the investigative process.

semivolatile organic compound: An organic (carbon-containing) compound that evaporates when exposed to temperatures above room temperature.

soil vapor: Elements and compounds in a gaseous state in the small spaces between particles of soil. Such gases can be moved or driven out under pressure.

Superfund: The program operated under the legislative authority of CERCLA and SARA that funds and carries out EPA solid waste emergency and long-term response actions, including conducting or supervising cleanup actions.

tentatively identified compound: A compound which can be detected by an analytical method but the concentration cannot be confirmed without additional analytical testing.

tetrachloroethene: A volatile organic compound primarily used for dry cleaning clothing and in manufacturing processes as a solvent and metal degreaser.

trichloroethene: A volatile organic compound that is a colorless or blue organic liquid with a chloroform-like odor. TCE is primarily used in manufacturing processes as a solvent, metal degreaser, and textile degreaser.

volatile organic compound: An organic (carbon-containing) compound that evaporates readily at room temperature.

C. Data Quality and Usability Assessment

C.1 Introduction and Overall Assessment

This data quality and usability assessment evaluates results of the quality assurance/quality control (QA/QC) activities associated with ***environmental data*** collection for the ***remedial investigation*** (RI) for the San Gabriel Valley Area 3 ***Superfund*** Site (Area 3). Determining the use of the environmental data is critical in establishing criteria for judging the adequacy of the environmental data set. This data quality and usability assessment shows that the environmental data collected to evaluate the nature and extent of the regional groundwater contamination generally meet the ***data quality objectives*** (DQOs) developed for the RI. The data assessment determined that the primary and secondary environmental data are of sufficient quality to support the conclusions and recommendations of the RI.

Each section of this report provides a discussion of the subject, followed by any tables or figures cited in the text. In addition, exhibits and text boxes noted in the margins present key concepts, tables, and figures.

Area 3, a 19-square-mile area, contains many potential ***contaminant*** sources. In 1984, the discovery of ***volatile organic compound*** (VOC) ***contamination*** in production wells compelled the United States Environmental Protection Agency (EPA) to place Area 3 on the ***National Priority List*** (NPL). In taking this action, EPA sought to address and prevent migration of regional ***groundwater*** contamination.

*The glossary explains words presented in **bold, italicized** text.*

The RI focuses on the evaluation of regional groundwater contamination in Area 3. EPA developed the data set for the RI by reviewing environmental data from water purveyors under oversight of the Main San Gabriel Basin Watermaster (Watermaster) and the California Department of Public Health (DPH). EPA also reviewed environmental data collected from facilities conducting ***geologic and soil investigations*** under the oversight of the California Regional Water Quality Control Board – Los Angeles Region (LARWQCB) and California Department of Toxic Substances Control (DTSC).

The Area 3 data set includes primary and secondary environmental data as defined below.

- ***Primary data*** consist of data collected or developed directly by EPA.
- ***Secondary data*** consist of data collected by facilities under the jurisdiction of LARWQCB, DTSC, DPH, and by water purveyors under oversight of the Watermaster for other purposes than the RI or data obtained from other sources, including literature, industry surveys, models, data bases, and information systems.

C.2 EPA Quality System

EPA implements a quality system to manage environmental data collection, generation, and use. The RI follows the quality system described in *Overview of the EPA Quality System for Environmental Data and Technology* (EPA, 2002). The primary goal of a quality system is to ensure that the environmental data are of sufficient quantity and quality to support the intended use of the data. Three components make up the quality system used for the RI and include planning, implementation, and assessment.

C.2.1 Planning Process

The DQO process develops performance criteria for the data (i.e., the type, quantity, and quality of data needed for a specific purpose). A Quality Assurance Project Plan (QAPP) was completed for the RI that documents the performance criteria and the level of oversight and quality control activities to ensure the criteria are satisfied.

EPA developed DQOs for the RI report, using the following seven-step process to identify the RI objectives, define the appropriate type of data, and specify tolerable levels of potential decision errors to establish the quality and quantity of data needed to support decisions.

1. Define basis of evaluation.
2. Identify potential evaluation results.
3. Define evaluation boundaries.
4. Identify areas outside the evaluation boundaries.
5. Identify data needs and uses.
6. Evaluate data usability.
7. Optimize the design.

The sections and tables referenced in parentheses are from the RI report and summarize the DQOs for the RI task and six subtasks.

- RI Task – Area 3 Remedial Investigation (Section 2, Table 2-1)
- Subtask 1 – Hydrogeologic ***Conceptual Site Model*** (Section 3, Table 3-1)
- Subtask 2 – Contaminant Source Identification (Section 4, Table 4-1)
- Subtask 3 – Contamination Migration Conceptual Site Model (Section 5, Table 5-1)
- Subtask 4 – ***Human Health Risk Assessment*** (Section 6, Table 6-1)
- Subtask 5 – ***Ecological Risk Assessment*** (Section 7, Table 7-1)
- Subtask 6 – Further Investigation Needs Assessment (Section 8, Table 8-1)

Appendix A presents the planning documents used during the remedial investigation.

Appendix A presents the planning documents used during the remedial investigation. The DQOs and QC requirements for primary environmental data acquisition are defined in the following documents.

- *Quality Assurance Project Plan for San Gabriel Valley NPL Area 3 Remedial Investigation Field Activities (QAPP)* (EPA, 2003a)
- *Quality Assurance Project Plan Addendum No. 1 for San Gabriel Valley NPL Area 3 Remedial Investigation Field Activities (QAPP Addendum)* (EPA, 2004a)
- *Field Sampling Plan for San Gabriel Valley NPL Area 3 Remedial Investigation Field Activities (FSP)* (EPA, 2003b)
- *Field Sampling Plan Addendum No. 1 for San Gabriel Valley NPL Area 3 Remedial Investigation Field Activities (FSP Addendum)* (EPA, 2004b)

C.2.2 Implementation and Oversight

Data for the RI were acquired according to the approved methods and procedures documented in the QAPP and Standard Operating Procedures provided in the Field Sampling Plan (FSP). EPA's Field and Biology Team conducted an onsite field audit of groundwater sampling activities in July 2003. Attachment C-1 includes the primary field data audit report and CH2M HILL's response to the audit findings. The auditor observed neither significant findings nor findings that required immediate action. The audit concluded that sample collection and management procedures maintained integrity of the samples.

Attachment C-1 includes the primary field data audit report.

C.2.3 Data Assessment

This appendix meets the data assessment component of EPA's Quality System. The assessment evaluates whether or not the data were obtained using approved methods and procedures and whether the data meet the DQOs developed for the RI.

C.3 Environmental Data Set for Area 3

Tables C-1 and C-2 summarize the primary and secondary data collection procedures, respectively, for the data evaluated for the following RI subtasks. The tables also present data uses and the data assessment.

Tables C-1 and C-2 summarize the primary and secondary data collection procedures, respectively, for the data evaluated for the RI subtasks.

- Develop hydrogeologic conceptual site model by evaluating:
  - Surface water recharge
  - Depth to groundwater and ***piezometric*** data
  - Groundwater ***geochemistry***
  - Groundwater flow directions
  - Groundwater flow velocities
  - Geologic controls on groundwater flow
- Assess and identify contaminant sources
- Develop contamination migration conceptual site model by determining:
  - ***Key contaminants of potential concern*** (COPCs)
  - Horizontal extent of contamination
  - Vertical extent of contamination
  - Contaminant ***fate***
  - Contaminant migration pathways

- Conduct human health risk assessment (HHRA):
  - Evaluate risk to human health from exposures to the Key COPCs
  - Identify which ***exposure pathways*** require ***mitigation*** or remediation
  - Provide justification, as appropriate, for a ***remedial action*** to address regional groundwater contamination in Area 3
- Conduct ecological risk assessment:
  - Evaluate risk to ecological ***receptors*** from exposures to the Key COPCs
  - Identify which exposure pathways require mitigation or remediation
  - Provide justification, as appropriate, for a remedial action to address regional groundwater contamination in Area 3

Exhibit C-1 describes the environmental data set used in developing the RI.

Exhibit C-1 describes the environmental data set used in developing the RI. Sections C.3.1 and C.3.2 present the evaluation of the primary and secondary data sets, respectively.

EXHIBIT C-1
Environmental Data Set for the San Gabriel Valley Area 3 Superfund Site

RI Subtask	Primary Data	Secondary Data
Develop hydrogeologic conceptual site model.	• Well data: – Well locations and reference point elevations. – ***Groundwater monitoring well*** screened intervals. • ***Lithologic logs.*** • ***Geophysical logs.*** • Groundwater elevations at EPA monitoring wells. • Groundwater geochemistry data.	• Topographic data. • Precipitation data. • Land use data. • Recharge data for surface water and groundwater. • Surface water data. • Production well pumping data. • Well data: – Well locations and reference point elevations. – Facility monitoring well and production well screened intervals. • Lithologic logs. • Geophysical logs. • Groundwater elevations at facility monitoring wells and production wells. • Regional geologic data (***faults***, ***fractures, folds***). • ***Aquifer*** test data. • Groundwater geochemistry data.
Assess and identify contaminant sources.	• Groundwater environmental data from EPA monitoring wells (includes field measurements, laboratory analytical data, and groundwater elevation data). • EPA Information Requests (*Comprehensive Environmental* ***Response, Compensation, and Liability Act*** [CERCLA] Section 104e). • Evaluation criteria for screening groundwater environmental data: • Federal drinking water standards (EPA MCLs).	• Evaluation criteria for screening groundwater environmental data: – California drinking water standards (***maximum contaminant levels*** [MCLs] and ***notification levels*** (NLs]). – California Toxics Rule for Aquatic Life Protection maximum for hexavalent chromium • Groundwater environmental data from production wells • Groundwater environmental data from facility monitoring wells • Existing facility information from federal, state, and local agency files. • Facility drive-by surveys. • Chemical use questionnaires. • Facility inspections. • Subsurface inspections.
Develop contamination migration conceptual site model.	• Groundwater environmental data collected at EPA monitoring wells (includes field measurements, laboratory analytical data, and groundwater elevation data).	• Groundwater environmental data collected at production wells (includes laboratory analytical data and groundwater elevation data). • Groundwater environmental data collected at facility monitoring wells (includes laboratory analytical data and groundwater elevation data).

EXHIBIT C-1
Environmental Data Set for the San Gabriel Valley Area 3 Superfund Site

RI Subtask	Primary Data	Secondary Data
Conduct HHRA.	• Human health risk screening levels: – EPA regional screening levels (RSLs). – EPA MCLs.	• Human health risk screening levels: – California MCLs and NLs. • Chemical toxicity values. – Federal toxicity values. – California toxicity values. • Potential exposure pathways. • Potential receptors.
Conduct ecological risk assessment.	None.	• Ecological risk screening values for surface water: – Federal Ambient Water Quality Criteria for ***chronic*** exposure of freshwater organisms. – California MCLs and NLs. – Los Angeles Region Basin Plan Water Quality Objectives. – Others, such as Canadian Environmental Quality Guidelines and Ecotox Thresholds. • Potential exposure pathways. • Potential receptors.

C.3.1 Evaluation of Primary Remedial Investigation Data

The assessment evaluated the primary data set based on the implementation of the project according to the approved plans and the findings of data review and validation. As described in Section C.3.1.2, minor deviations from the approved plans resulted in no substantive adverse effects on data usability.

C.3.1.1 Groundwater Sampling Design and Implementation

EPA identified data gaps after review of data from Watermaster, DPH, LARWQCB, and DTSC. The locations of the EPA monitoring wells targeted the areas with data gaps. The main field and analytical activities to generate primary data for the RI include collection and analysis of groundwater samples from the following wells:

- Four ***conventional monitoring wells*** (EPAMW11, EPAMW12A, EPAMW17, and EPAMW18)
- Four ***multiport monitoring wells*** (EPAMW13, EPAMW14, EPAMW15, and EPAMW16)
- Production Wells 01900012, 01900547, and 01902979 (irrigation wells)

Following the sample collection procedures outlined in the QAPP, QAPP Addendum, FSP, and FSP Addendum ensures the collection of data that are representative of site conditions and comparable to data obtained from other sources using similar sample collection techniques. The evaluation considers the DQOs for the RI task and RI subtasks, and the following criteria regarding sampling design and implementation.

- Were sufficient samples collected and analyzed to support the RI task and RI subtasks?
- Were data obtained using appropriate field and laboratory techniques and procedures?

- Do the field and laboratory techniques and procedures developed according to EPA quality systems result in data comparable to data collected by other organizations based on their quality systems?
- Were the data collected in a manner that ensures representative results free from systematic bias?

C.3.1.2 Groundwater Sampling in Area 3

Quarterly groundwater sampling of EPA monitoring wells began in 2003 and follows the procedures described in the FSP and FSP Addendum (EPA, 2003b and EPA, 2004b). The extended duration of groundwater monitoring provides a sufficient quantity of data that cover a range of hydrologic conditions in Area 3.

All sample collection for EPA conventional monitoring wells involves the use of flow rates of less than 100 milliliters per minute (ml/min) from dedicated pumps to minimize turbulence and loss of VOCs. All sample collection for the multiport monitoring wells utilizes a sampling tool with 250-milliliter (ml) stainless steel cylinders. The technician transfers groundwater to sample bottles by means of mechanically opening a small valve at the end of the 250-ml cylinder, permitting a small stream of groundwater to exit. In this manner, the flow rate into the sample bottle is controlled, so that sampling becomes analogous to low-flow-micropurging groundwater sampling.

EPA sampled the three production wells used for irrigation at the golf courses with a dedicated pump located within the screened interval. Well purging and sampling involved the use of low-flow sampling techniques described above.

Adverse site conditions made planned groundwater sampling infeasible at the locations listed below during one or more quarterly monitoring events.

- **EPAMW12B—**Groundwater has not accumulated in Monitoring Well EPAMW12B, designed to monitor conditions near the water table, so the well remains unsampled. RI evaluations utilize data from other wells installed at the water table to address the data gap.
- **EPAMW16—**Equipment problems precluded collection of groundwater samples from EPAMW16 (all depth-specific monitoring zones) during the third and fourth quarters of 2005. Sampling resumed in 2006. Data from previous and subsequent groundwater sampling events provide sufficient information to identify contaminant trends and support project decisions.

C.3.1.3 Analytical Program for Groundwater Monitoring in Area 3

Groundwater monitoring involves the following general approach for testing frequency.

- **VOCs—**Analyses of VOCs every quarter, including ***tetrachloroethene*** (PCE) and ***trichloroethene*** (TCE), the most prevalent Key COPCs in Area 3.
- **Other Parameters—**Analyses at a lower frequency for other COPCs, including ***semivolatile organic compounds*** (SVOCs), dissolved metals,

nitrate, and the ***emergent chemicals***: n-nitrosodimethylamine (NDMA), perchlorate, 1,4-dioxane, hexavalent chromium, and 1,2,3-trichloropropane (1,2,3-TCP).

The analytical program also included preparation and analysis of performance evaluation samples to evaluate the accuracy of analytical results for VOCs and the emergent chemicals—1,2,3-TCP and NDMA—discussed in Section C.4.1.2.

Section 2.5.1.3 of the RI report explains the rationale for the frequency of sampling and the types of analyses. EPA obtained laboratory analytical services through the Contract Laboratory Program (CLP), the EPA Region 9 Laboratory, and commercial laboratories.

The project-specific QAPPs ([QAPP (EPA, 2003a) and QAPP Addendum (EPA, 2004a]) contain the analytical parameters and the associated methods, along with the standard EPA analytical method references. EPA CLP, EPA Regional Laboratory, and contract laboratories (Maxxam Analytics, Inc., Truesdail Laboratories, Inc., and EMAX Laboratories, Inc.) carried out the analyses according to standard EPA methodology. The contract laboratories implemented lower detection method modifications for NDMA; 1,2,3-TCP; and hexavalent chromium to meet state regulations. Exhibit C-2 shows methods, detection limits, and the measurement performance criteria as identified in the QAPP.

Exhibit C-2 shows methods, detection limits, and the measurement performance criteria as identified in the QAPP.

C.3.1.4 Primary Data Review and Validation Program

The review included a combination of full data validation (Tier 3 level) and summary data review (Tier 1A level). The review achieved the project goal of 10 percent Tier 3 validation in all cases with the exception of ***anions*** and alkalinity analyses.

- **Tier 1A Review—**Evaluation of data from the EPA Region 9 laboratory, and of some data for emergent chemicals from commercial laboratories, consisted of a manual "Tier 1A" review of data summary forms only.
- **Tier 3 Review —**The Tier 3 validation procedure includes all elements of the Tier 1 review and includes a qualitative and quantitative evaluation of 10 percent of the raw data.

All data review and validation approaches considered the QC elements listed below.

- Sample Holding Times
- Method Blanks
- Laboratory Control Samples
- Continuing Calibration Standards
- Matrix Spikes
- Sample Duplicates and Spike Duplicates
- Volatile System Monitoring Compounds
- Internal Standards
- Surrogates

EXHIBIT C-2
Methods, Detection Limits, and Measurement Performance Criteria for Groundwater Samples

Analyte	Method	Target Detection Limit/ Reporting Limit	Precision (Relative % Deviation)	Accuracy (Percent Recovery)	Completeness (Percent)
VOCs	EPA Method 524.2 (Standard Operating Procedure 354)	Various	±30	70 – 130	90
1,2,3-TCP	DPH Method	0.005 µg/L	±30	40 – 130	90
SVOCs	EPA Method 8270C	Various	Various	Various	90
1,4-Dioxane	EPA Method 8270C/Selected Ion Monitoring	1 µg/L	±30	40 – 130	90
NDMA	Modified EPA Method 1625	0.002 µg/L	±30	50 – 125	90
Nitrate	EPA Method 300.0	0.1 mg/L	±25	50 – 125	90
Perchlorate	EPA Method 314	2 µg/L	±50	50 – 150	90
Hexavalent chromium	EPA Method 218.6	0.02 µg/L	±30	70 – 140	90
Dissolved metals	EPA Methods 200.7, 200.8, 200.9 and 245.1	Various	±30	70 – 130	90

Notes:
µg/L – micrograms per liter
mg/L – milligrams per liter
NDMA – n-nitrosodimethylamine
SVOCs – semivolatile organic compounds
1,2,3-TCP – 1,2,3-trichloropropane
VOCs – volatile organic compounds

EPA performed review and validation of the primary data for Area 3 consistent with the guidelines described in the following reference documents.

- EPA Region 9 guidance (EPA, 2001)
- EPA Contract Laboratory Program National Functional Guidelines for Organic Data Review (EPA, 1999)
- EPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review (EPA, 2004c)
- QAPP (EPA, 2003a) and QAPP Addendum (EPA, 2004a)

The overall data review and validation program attained the project objectives with no adverse effects on data quality or usability, despite two deviations, explained below, to the requirements outlined in the QAPP.

- A Tier 1A level review replaced the originally planned Tier 2 level review of data from the EPA Region 9 laboratory and CLP laboratories. The Tier 1 review provided a comprehensive evaluation of the critical data quality elements and the application of data flags, and achieved the project objectives.

- No review or validation of the hexavalent chromium results occurred. The laboratory performing the hexavalent chromium analyses demonstrated the capability to meet the project quality objectives by successfully analyzing two performance evaluation (PE) samples. A Tier 1A review of data for blanks, laboratory control samples, and matrix spike/spike duplicate samples confirmed that QC results satisfied the project objectives.

Appendix B to the RI report provides sample and parameter-specific data validation reports. Each data validation report contains subsections that correspond to the internal QC check requirements for that specific method as identified in the project QAPP and EPA data validation functional guidelines. If laboratory data deviate from the specifications, the subsection provides quantitative details for the QC data deviation and the associated affected samples, and provides flags according to defined conventions.

Appendix B provides the data validation reports.

C.3.1.5 Field Quality Control Activities

Following the QC protocols presented in the QAPP ensures that investigation records and other supporting documentation provide an accurate and representative record of field conditions. QC activities conducted to support the field sampling include the following measures.

- **Field Quality Control Samples—**Analysis of trip blanks, field blanks, and equipment rinsate blanks in compliance with the QAPP.
- **Records Review—**Review of all sample collection records, including water level measurements, field notebooks, and chain-of-custody (COC) records.
- **Form Checks—**Review the QA/QC forms used to document the identification of field blanks, equipment rinsate blanks, and field duplicate samples for reference in data review.
- **Field Team Oversight—**Evaluation of the implementation of documentation procedures by field team members to confirm the accuracy and completeness of recordkeeping.

No significant deviations from the QA/QC procedures described in the FSP, FSP Addendum, QAPP, or QAPP Addendum adversely affect the usability of the data presented in the RI report. Exhibit C-3 summarizes deviations observed from the QA/QC procedures and the corrective actions implemented to resolve further recurrences. Data available from previous and subsequent sampling events mitigated the effect of any data gaps that resulted from sample collection omissions. In 2005, CH2M HILL's QA Officer performed an internal inspection to ensure implementation of corrective actions presented in Exhibit C-3. The inspection confirmed that corrective actions were in place to ensure the integrity of the samples.

Exhibit C-3 summarizes deviations observed from the QA/QC procedures and the corrective actions implemented to resolve further recurrences.

EXHIBIT C-3
Sample Deviations From QA/QC Procedures

Deviation Type	Deviation	Corrective Action
Sampling Omissions	Did not collect planned samples, field duplicate samples, and field blanks.	Created sample data sheets for the field crew to follow and "check off" during sampling. The planned field samples were collected during the subsequent event that mitigated the data gap created from the sampling omission.
Sampling Handling Problems	Did not meet 24-hour shipping deadline, which resulted in missed holding times and temperatures that exceeded the 4 degrees Celsius threshold.	Changed field procedures to stop field activities earlier in the day to allow sufficient time to pack and deliver samples for shipping. Subsequent collected data mitigated the data gap created from the handling problem.
Sampling Tracking Problems	Did not accurately record sample identification numbers on sample bottles and chain-of-custody records and failure to maintain the integrity of the chain-of-custody recordkeeping procedures because the chain-of-custody was not sent in the sample coolers	Identified the sample identification numbers with the correct location so that the data could be used, which prevented identification of a data gap. Instructed field team members to review each other's sample labeling and COC documentation prior to packing samples to improve QC.

C.3.2 Evaluation of Secondary Remedial Investigation Data

The approach for the secondary data assessment is described in the technical memorandum entitled *Secondary Data Assessment and Evaluation, San Gabriel Valley Area 3* (CH2M HILL, 2006) provided in Appendix A of the RI report. The assessment evaluated the secondary data set based on elements of the quality systems implemented by LARWQCB, DPH, and Watermaster. The evaluation of the secondary data usability is based on the assumption that adherence to the implemented quality systems would result in usable data.

The general guidelines listed below apply to the collection of secondary data.

- LARWQCB Data Collection — General requirements of LARWQCB apply to the collection and analysis of ***soil vapor*** and groundwater data for contaminant source investigations at facilities. Section C.4.2.1 lists the specific guidance documents used by LARWQCB to implement contaminant source investigation work.
- DPH Data Collection — General requirements of the DPH Drinking Water Program for the State of California apply to the collection and analysis of groundwater data for contaminant source investigations at facilities, and collection and analysis of groundwater from production wells.
- Watermaster Data Collection —California Code of Regulations (CCR) Title 22 regulations require the use of laboratories certified by the State of California for all drinking water analyses and the submission of laboratory data in an electronic format directly to DPH.

EPA interviewed representatives from LARWQCB, Watermaster, and DPH to obtain information about the quality assurance process implemented by each organization. Section C.4.2 summarizes the interviews with LARWQCB, Watermaster, and DPH.

Groundwater data collected from 12 facilities and 38 production wells comprise the secondary data set evaluated in this report. Figure 2-1 of the RI Report presents the locations of the monitoring wells and production wells. Tables 2-3 and 4-8 of the RI report provide well construction details and analytical data, respectively, for the monitoring wells and production wells in Area 3 the period of data collection for each well.

Figure 2-1 presents the locations of the monitoring wells.

Table 2-3 presents well construction details for the monitoring wells.

Table 4-8 summarizes the analytical data for the monitoring wells.

C.4 Overall Data Quality and Usability Assessment

C.4.1 Primary Data Quality and Usability Assessment

This section presents the assessment of primary data that CH2M HILL collected on behalf of EPA. Appendix A of the RI report presents the *San Gabriel Valley Area 3 Primary Data Quality and Usability Assessment Plan* (EPA, 2006), which outlines the approach used for the primary analytical data assessment. As described in Section C.3.1.2, minor deviations from the approved plans resulted in no substantive adverse effects on data usability.

Completing the data quality and usability assessment helps to ensure that the conclusions and recommendations presented in the RI report are supported by environmental data of known, acceptable, and documented quality. Table C-1 summarizes the data collection procedures, data uses, and the data assessment for the primary data types identified in the DQO tables.

Table C-1 summarizes the data collection procedures, data uses, and the data assessment for primary data identified in the DQO tables.

An evaluation of the quality indicators for analytical data of precision, accuracy, representativeness, comparability, and completeness (PARCC parameters) supports the qualitative and quantitative assessment of data. Exhibit C-4 defines the data quality indicators and the criteria used to evaluate the quality of primary data. The following discussion summarizes the project QA and QC activities, in terms of the PARCC parameters.

Exhibit C-4 defines the data quality indicators and the criteria used to evaluate the quality of primary data.

EXHIBIT C-4
Data Quality Indicators

Type	PARCC Parameter	Evaluation Criteria	Quality Control Indicator
Qualitative	Comparability	Do the quality systems employed during sample collection and analyses comply with the requirements of the approved QAPP and the currently accepted standards and procedures?	Field records of sample collection and laboratory documentation of sample analysis.
	Representativeness	Was the approved sample collection and analysis strategy implemented and was the sampling design sufficient to produce results that represent site conditions?	Sampling design, including field modifications (if any), and analytical results.
Quantitative	Precision	Are the results of replicate analyses within the quantitative project acceptance criteria?	Laboratory and field duplicates.
	Accuracy	Are the recoveries of target analytes from samples containing known concentrations (analytical spikes) within project acceptance criteria?	Laboratory control samples (blank spikes), matrix spike samples, and matrix spike duplicate samples.
	Completeness	Are sufficient usable data available to support project objectives?	Data flags applied during data review and validation.

C.4.1.1 Evaluation of Representativeness and Comparability

Representativeness assesses how closely the measured results reflect the actual concentration or distribution of the chemical compounds in the sampled media. The assessment evaluates data collected from the field control samples (e.g., field blanks, equipment rinsate blanks, and field duplicates) to measure representativeness.

The analysis of field blanks provides information on the possible presence of ambient contamination at the point of sample collection. Equipment rinsate blanks provide information on the effectiveness of decontamination procedures, and field duplicates provide information on overall precision of sample collection and analytical procedures.

Field blanks demonstrate that the water used for the final decontamination rinse and for the preparation of the equipment rinsate blank is free from interfering contamination. Because field blanks are prepared at a sample collection location, they also could reveal ambient contamination that might affect field samples. Evaluation and validation of the field blanks and associated samples use the same procedures applied to equipment blank evaluation.

Use of equipment blanks, or aliquots of reagent water poured over reusable sampling equipment following decontamination, provides a check to confirm that the decontamination process prevents carryover contamination. The validation process qualifies sample results based on equipment blank contamination when the concentration of the analyte in the sample is less than five times the amount in the associated equipment blank or 10 times for common laboratory contaminants (e.g., methylene chloride, chloroform, and phthalates). Table C-3 provides the field and equipment blank results and associated evaluations. The field blank qualifications do not impact project decisions and do not affect the representativeness.

Table C-3 provides the field and equipment blank results and associated evaluations.

The FSP required the collection of field duplicate samples to evaluate the overall sampling and analysis precision. The collection frequency of field duplicate samples achieved the project goal of 10 percent of the number of field samples. EPA calculated the ***relative percent difference*** (RPD) and compared the field duplicate results. Exhibit C-5 summarizes the criteria used to compare field duplicate results.

Exhibit C-5 summarizes the criteria used to compare field duplicate results.

Table C-4 provides the field duplicate measurements. Overall, the analytical data met project precision criteria listed in Exhibit C-5, and there were no significant biases. Of the 3,195 pairs of field duplicate results (the number of comparable pairs of results for COPCs), the RPDs for 12 pairs exceeded the evaluation criterion. Of these 12 pairs, seven COPCs were represented. TCE exceeded the evaluation criterion in four pairs, but the exceedances occurred in different wells and during different sampling events. Reporting limits agreed for all analytes that were reported as not detected in pairs of field duplicate samples. Overall, 99 percent of the field duplicate results satisfied the evaluation criteria, indicating acceptable overall sampling and analysis precision. Thus, the evaluation noted no systematic field errors or biases.

Table C-4 provides the field duplicate measurements.

EXHIBIT C-5
Criteria for Comparing and Reporting Results for Primary Field Duplicate Samples

Analytical Results	Evaluation Criteria	Conclusion	Reporting Criteria*
Both results not detected	RLs differ by less than ± 25% RLs differ by more than ± 25%	Agreement Disagreement	Use reporting limit Use the lower of the two RLs
One positive result, one result nondetected	< 5 x difference > 5 x difference > 10 x difference	Agreement Disagreement Major Disagreement	Use positive result
One positive result above RL, one positive result between the MDL and RL	< 3 x difference > 3 x difference > 5 x difference	Agreement Disagreement Major Disagreement	Use higher concentration
Both results above the RL, calculate the RPD	< 30% > 30% > 65%	Agreement Disagreement Major Disagreement	Use higher concentration

Notes:
*The reporting criteria for field duplicates are designed to ensure that the most conservative data set is used, in terms of protection of human health and the environment.
MDL – method detection limit, the concentration of a COPC that could be distinguished from system background noise at the 95% confidence level.
RL – reporting limit, the concentration at which a COPC could be reliably quantitated within the method acceptance criteria.
RPD – relative percentage difference.

Exhibit C-5 summarizes the criteria used to compare field duplicate results.

C.4.1.2 Evaluation of Accuracy and Precision

Accuracy measurement data include laboratory control sample and matrix spike recovery data for both organic and inorganic analytical parameters, as well as surrogate recovery data for organic parameters. The matrix spike recoveries, as detailed in the validation reports and laboratory packages, were found to be within limits overall (over 90 percent) and do not indicate any significant bias.

Precision measurement data include laboratory and field duplicate data expressed as RPD. As discussed in Section C.4.1.1, review of the data determined that the laboratory duplicate data fall within acceptance criteria at large, as seen in the validation reports. The data do not indicate any significant bias.

The assessment also evaluates accuracy based on the recovery of target analytes from PE samples. EPA administered PE samples to the laboratories carrying out the lower detection measurements listed above to receive additional information on method and laboratory performance. Third parties outside the laboratory prepare blind PE samples where known amounts of the analyte are introduced into a pure matrix. Analysis of PE samples occurred with regular monitoring samples collected during the 2003 second quarter and 2003 third quarter sampling events.

The evaluation compared the percent difference (equivalent to theoretical error) for PE sample results to an acceptance criterion of ±25 percent. No statistically derived acceptance limits based on results from multiple laboratories were available for the PE samples. Table C-5 presents the results of the PE sample analyses by percent recovery. Most PE results satisfied the percent difference criterion of ±25 percent. The laboratories successfully identified NDMA and 1,2,3-TCP in the PE sample from second quarter; however, the laboratories did

Table C-5 presents the results of the PE sample analyses by percent recovery.

not successfully quantify at the very low levels of the PE samples. The laboratories spiked the 2003 second quarter PE samples with 0.005 micrograms per liter (µg/L) of 1,2,3-TCP and 0.02 µg/L of NDMA. Truesdail Laboratories, Inc. reported a concentration of 0.197 µg/L for 1,2,3-TCP, which is approximately 40 times higher than expected. Maxxam Analytics, Inc. reported a concentration of 0.0763 µg/L for NDMA, which is approximately 4 times higher than expected.

The laboratories could not accurately quantitate NDMA and 1,2,3-TCP because of the low PE sample concentrations. Therefore, the laboratories spiked the third quarter 2003 PE sample with higher concentrations (0.0625 µg/L of 1,2,3-TCP and 0.217 µg/L of NDMA). Both Truesdail Laboratories, Inc. and Maxxam Analytical Inc. reported acceptable recoveries of these analytes in the third quarter 2003 PE sample, as shown in Table C-5.

Review of the detection limits in subsequent data reports for 1,2,3-TCP shows that the laboratories have achieved detection equal to the concentration of the evaluation criterion (0.005 µg/L) for 1,2,3-TCP since 2005. Review of the detection limits in subsequent data reports for NDMA shows that the laboratories have not been able to consistently detect the evaluation criterion of 0.01 µg/L. Of 83 samples, the detection limits for 30 samples have achieved either 0.0005 or 0.0006 µg/L. Thirty-three samples showed detection limits of 0.002 µg/L, and 15 samples showed detection limits of 2 µg/L.

C.4.1.3 Evaluation of Completeness

Appendix B of the RI report contains the data validation reports.

Tier 3 validation was completed for 10 percent of the EPA data as indicated in the QAPP. Appendix B of the RI report contains the data validation reports. Of the data reviewed, approximately 9 percent of the data for all target analytes required validation (2,517 of 28,965 analytes), which achieved the project objective of 90 percent completeness. The qualification of results for VOCs was necessary, primarily because initial and continuing calibration outliers were identified in the validation process rather than because of analytical problems. The validation criteria apply equally to all target analytes, while the method acceptance criteria apply to a selected number of target analytes only. The data review and validation identified systematic trends observed in the Area 3 data set.

The percentage of usable results compared to unusable results quantifies completeness. During the validation process, data were rejected due to "problematic" quantitation limits because of low response factors and low surrogate recoveries.

The rejected results in the Area 3 data set represent a small fraction of the total number of results (154 rejected results of 28,965 results). The data set achieved 99 percent completeness, which exceeded the 90 percent completeness goal as a whole. Sufficient, acceptable data support the decisions and conclusions of the RI. Of the rejected sample analytes, 31 tert-butyl alcohol samples were rejected during the 2007 sample events. Tert-butyl alcohol data were not rejected for any other sample event. Sixty analyte samples were also rejected in the August 2006

sample event. The rejected data include acetone; 2-butanone; 2-hexanone; and 1,4-dioxane concentrations.

C.4.1.4 Evaluation of Sensitivity and Quantitation

Analytical sensitivity refers to the ability of an analytical method to detect COPCs at concentrations that are equal to or below evaluation criteria and are equal to or below the expected concentration range of target analytes of each method. Method performance problems or other related issues might adversely affect quantitation of target analytes. Method limitations, large amounts of other target analytes, or difficult matrices resulting in dilutions and elevated reporting limits affect adequate sensitivity.

The detection limits for most COPCs did not exceed the evaluation criterion. Although the detection limits exceed the evaluation criteria for several COPCs (1,4-dioxane; 1,2,3-TCP; NDMA; and tert-butyl alcohol), the risk assessment considers the COPCs with high detection limits and uses one-half of the detection limit as a concentration value if the result of the COPC was nondetect. This approach likely overestimates the potential risk. The risk assessment shows that 1,2,3-TCP and NDMA contribute to potential risks in central and southeastern (SE) Area 3.

In the Area 3 data set, the laboratory reported a number of unknowns along with compounds generally associated with laboratory operations, such as siloxanes and their derivatives, components of the gas chromatography mobile phase. The compound 2-cyclopenten-lone was detected in many samples and field blanks at similar concentrations. Esters of octadecanoic acid and hexadecanoic acid found at similar concentrations in laboratory blanks, field blanks, and samples are considered analytical artifacts.

Several ***tentatively identified compounds*** (TICs) could be associated with activities in Area 3.

- chlorodifluoromethane
- a branched alkane
- a straight-chain alkane
- 2-methylpropene
- 1,2,3-trichloro-1-propene

The TICs did not occur in most of the samples analyzed during the monitoring period from 2004 to 2006 and were not required to be added to the analyte list. Therefore, the current target analyte lists are sufficient and no contaminant has been overlooked.

C.4.2 Secondary Data Quality and Usability Assessment

Table C-2 summarizes the data collection procedures, data uses, and the data assessment for the secondary data types identified in the DQO tables.

Table C-2 summarizes the data collection procedures, data uses, and the data assessment for secondary data identified in the DQO tables.

The assessment evaluated the secondary data set based on elements of the quality systems implemented by external data collectors. EPA based the

Table C-6 summarizes the information EPA gathered during telephone interviews with the primary organizations collecting secondary data in Area 3.

evaluation of the secondary data usability on the assumption that adherence to the implemented quality systems would result in usable data with the minor exceptions discussed in Section C.4.2.4. Table C-6 summarizes the information EPA gathered during telephone interviews with the primary organizations that were collecting secondary data in Area 3. The following sections provide additional details of the data collection and oversight methods and procedures used by the three organizations.

C.4.2.1 Interview Regarding Los Angeles Regional Water Quality Control Board's Quality System

EPA evaluated the quality assurance process implemented by LARWQCB during an interview with LARWQCB staff in July 2006 to obtain information about the elements of LARWQCB's quality systems. EPA also compared groundwater data for split samples collected at five facilities in Area 3. The discussion below summarizes the results of EPA's evaluation.

The participants in the interview included the following representatives from LARWQCB and EPA.

- Curt Charmley, Site Manager/Geologist, LARWQCB
- Carl Brickner, Environmental Scientist, EPA Region 9 Quality Assurance Office
- Victoria Taylor, Project Chemist, CH2M HILL

Based on the description of the LARWQCB quality assurance process, the assessment concludes that the quality of groundwater data collected as part of the contaminant source investigations led by LARWQCB is sufficient to support all RI objectives.

General LARWQCB Investigation Approach

LARWQCB implements a flexible quality assurance process that is designed to accommodate the diverse scope of activities for investigating contaminant sources at facilities in Area 3. Section 2.6.2 of the RI report presents a summary of the LARWQCB process.

LARWQCB directs facilities with potential sources of groundwater contamination to conduct soil vapor surveys in likely contaminant source areas. Each facility prepares a work plan based on the state guidance cited below and submits the work plan to LARWQCB for review and approval. Further investigation of soil vapor contamination at greater depths, and further investigation of groundwater contamination, could follow. Soil vapor and groundwater investigations proceed according to the state guidance cited below.

- *Requirements for Groundwater Investigations*, State of California, California Regional Water Quality Control Board, Los Angeles Region, July 2000 Revision.
- *Advisory-Active Soil Gas Investigations*, DTSC and LARWQCB, January 28, 2003.

LARWQCB oversees all phases of subsurface investigations, including installation of soil vapor and groundwater monitoring wells, and the collection of soil vapor, soil, and groundwater samples. The LARWQCB site manager performs field oversight at each stage in the investigation process. LARWQCB requires facilities to report all results for soil vapor investigations and groundwater monitoring, including laboratory certificates of analysis. The LARWQCB site manager acts as the responsible agent for reviewing and assuring the technical quality of investigation and monitoring reports and of laboratory data.

LARWQCB requires facilities conducting subsurface investigations to use state-certified laboratories for analyzing groundwater and soil vapor samples. State certification mandates that the laboratories maintain comprehensive quality programs that include the following basic elements.

- **Standardized Planning Documents –** Preparation of controlled QA documents for laboratory operations and analytical methods.
- **Self-Auditing –** Participation in regular onsite audits and implementation of a corrective action program to correct deficiencies.

Comparison of Groundwater Data for Split Samples

EPA uses data from split groundwater samples obtained by LARWQCB from five facilities in Area 3 to assess the comparability of sampling procedures implemented and analytical results generated by facilities in Area 3. The analysis of split samples provides a check on the ability of the laboratory used by the facility to produce consistent results relative to a second laboratory.

Exhibit C-5 presents the guidance that EPA used to assess the split sample results. For each pair of split samples, the facility's laboratory analyzed one sample and LARWQCB sent the second sample to a second laboratory for analysis. Table C-7 summarizes the split sample data, organized by facility. Most of the split sample results agree with no systematic biases between the results observed. However, in two cases, a meaningful comparison is infeasible because the reporting limits were significantly higher. Overall, the split sample comparisons indicate that the laboratories used by the facilities are capable of generating consistent data.

Exhibit C-5 presents the guidance that EPA used to assess the split sample results.

Table C-7 summarizes the split sample data, organized by facility

Analytical testing for VOCs involved use of the methods for gas chromatography/mass spectrometry (GC/MS) specified below. The consistent application of GC/MS instrumentation for all analyses optimally should yield comparable results.

- Each facility submitted groundwater samples analyzed for VOCs with a combination of EPA Method 8260B and EPA Method 624. Facility 6 and Facility 8 submitted groundwater samples that were analyzed for 1,2,3-TCP by EPA Method 504.1; Facility 1 submitted groundwater samples that were analyzed for 1,2,3-TCP using a GC/MS in the secondary ion-monitoring mode.

- LARWQCB submitted groundwater samples analyzed for VOCs using EPA Method 524.2. For Facility 6 and Facility 8, LARWQCB used an in-house standard operating procedure.

C.4.2.2 Interview Regarding Main San Gabriel Basin Watermaster's Quality System

Watermaster obtains environmental data that comply with the requirements of the Drinking Water Program, which contain prescriptive QC requirements as described below. For these reasons, EPA considers the water data incorporated into the comprehensive RI database of sufficient quality to support the conclusions of the RI.

EPA interviewed Watermaster in July 2006 to obtain information about Watermaster's QA systems.

- Kevin Smead, Supervising Civil Engineer, Stetson Engineers
- Quang Nguyen, Supervising Civil Engineer, Stetson Engineers
- Tony Zampiello, Assistant Executive Director, Watermaster
- Carl Brickner, Environmental Scientist, EPA Region 9 Quality Assurance Office
- Victoria Taylor, Project Chemist, CH2M HILL

Watermaster manages the water monitoring program for commercial water purveyors in the San Gabriel Valley Groundwater ***Basin*** (San Gabriel Basin). In this capacity, Watermaster manages the results from purveyors' self-monitoring programs, ensures that purveyors satisfy Title 22 CCR requirements, and develops recommendations for future monitoring. Watermaster adopts Title 22 CCR requirements as the overriding QA system. Certified drinking water laboratories generate all data managed by Watermaster and report data directly to DPH.

Watermaster's quality system includes the following elements:

- Evaluation of historical trends by comparison of current data to historical data dating to 1985.
- Clarification of anomalous results by requesting laboratories to verify the accuracy of results and by resampling wells, as needed, to confirm original results.
- Documentation of records for individual water purveyors, including collecting water quality information, performing internal reviews, and preparing reports to recommend future monitoring.

C.4.2.3 Interview Regarding California Department of Public Health's Quality System

DPH obtains environmental data that comply with the requirements of the Drinking Water Program, which contain prescriptive QC requirements as described below. For these reasons, EPA considers the water data that are

incorporated into the comprehensive RI database to be of sufficient quality to support the conclusions of the RI.

EPA interviewed DPH in July 2005 to obtain information about QA systems employed by DPH. The participants in the interview included the following representatives from DPH and EPA.

- Paul Collins, Chief of Data Management, DPH
- Carl Brickner, Environmental Scientist, EPA Region 9 Quality Assurance Office
- Victoria Taylor, Project Chemist, CH2M HILL

As discussed previously with regard to Watermaster, certified drinking water laboratories generate the water data managed by DPH. All data must conform to the specific QC requirements of the State of California's Drinking Water Program. EPA considers data obtained from DPH usable to support the conclusions of the RI.

DPH maintains and oversees the State of California's Drinking Water Program, including the certification of laboratories and the implementation of QA systems. The *Manual for the Certification of Laboratories Analyzing Drinking Water, Criteria and Procedures, Quality Assurance* (EPA, 2005) presents the requirements for drinking water laboratory certification. DPH manages the certification program for California in compliance with Title 40 Code of Federal Regulations (CFR) 142.10(b)(3)(i).

Table C-8 presents the general certification requirements for laboratories.

Table C-8 presents the general certification requirements for laboratories. To maintain certification status, laboratories must annually analyze proficiency testing samples with satisfactory results, maintain the required QA systems, and pass regularly scheduled audits. Each analytical method contains specific QC requirements; general method specifications require that if the accuracy and precision goals are not met, the laboratory must identify the source of the noncompliance before continuing with sample analyses.

DPH provides external oversight for the collection of water from all active production wells in Area 3. All laboratories testing drinking water submit analytical results directly to DPH through the Electronic Data Transfer program. The program performs acceptability checking and accepts only valid data into the system. Additionally, the DPH Monitoring Evaluation Unit receives the laboratory results and resolves any data quality issues that arise.

C.4.2.4 Outstanding Issues for Secondary Data Assessment and Evaluation

EPA considers data obtained from secondary sources usable to support the conclusions of the RI. However, a few issues that impact the applicability of the secondary data set have been identified through the data assessment process as discussed in this section.

Production Wells

Many of the production wells were constructed with long screened intervals; these wells pump groundwater from the intermediate and deep zones in the eastern portion of Area 3. Samples collected from the production wells with long screened intervals represent composite conditions in the well. Therefore, analytical data collected from production wells screened across multiple groundwater zones are less applicable for use in developing the conceptual site model because detections of COPCs cannot be correlated to a particular groundwater zone. Data from the production wells have been qualified with "d2" to indicate that the data were obtained from secondary sources. To address this issue, EPA installed four multiport wells in Area 3, which allows determination of impacts to the intermediate or deep groundwater zone.

Bailers

One potential concern identified in the review of the LARWQCB process is the use of bailers to collect samples at facilities in Area 3 for VOC analyses. While the LARWQCB guidance for groundwater sampling allows the use of bailers, EPA recommends the use of dedicated low-flow pumps to prevent the possibility of analyte losses by means of volatilization. Therefore, EPA considers the facility analytical data to be usable for qualitative and semiqualitative evaluations, but usable only with limitations for evaluations that require definitive data (e.g., risk assessment). Data from the facility wells have been qualified with "d2" to indicate that the data were obtained from secondary sources. The conservative approach used in conducting the HHRA for Area 3 addressed this uncertainty.

Technical and Legal Defensibility of Investigation Work of Environmental Consultant

While reviewing the LARWQCB process, the work of one environmental consultant used to conduct soil vapor investigations at a number of facilities in Area 3 was shown to be deficient in the areas discussed below. These deficiencies result in uncertainty associated with data that this environmental consultant collected.

1. Meeting LARWQCB Requirements
   - Many reports were not stamped and signed by a licensed professional as required in the California Water Code.
   - Most reports omit field logs and adequate site maps (i.e., maps depicting scale and north directional arrows).
2. Meeting LARWQCB Sampling Requirements and Poor Field Practices
   - Did not perform and document purge volume tests prior to each sampling event; disconnected sampling equipment during sample collection.
   - Improper sample management procedures (e.g., use of marking pen to write on acetate sample liners of soil matrix samples).
   - Improper and unsafe equipment usage (e.g., an unsecured drill rig bounced during use in close quarters).

Although this consultant has been involved with the soil vapor investigations at a number of facilities in Area 3, this environmental consultant has not been involved with any groundwater well installations or groundwater sampling at the facilities in Area 3. Therefore, groundwater data obtained from these wells are considered usable in the RI.

C.5 Summary of Data Quality and Usability Assessment

Sections C.4.1 and C.4.2 summarize the quantitative and qualitative evaluations of the primary data and the secondary data, respectively, and discuss specific limitation within the data set. Based on assessments of the primary and secondary data, the quality of the comprehensive data set for the RI is sufficient to meet the requirements of EPA's quality system, and the data support the conclusions and recommendations of the RI.

C.6 References

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Tables

TABLE C-1
Primary Environmental Data Set Analysis
Remedial Investigation
San Gabriel Valley Area 3 Superfund Site

Data Type	Data Collection	Data Use	Data Assessment
Well data: • Well locations and reference point elevations. • Groundwater monitoring well screened intervals.	• Elevation data surveyed after well installation by a state-licensed surveyor. • Screened intervals determined after reviewing lithologic logs to determine high transmissive zone. Intervals recorded on well construction logs.	• Develop geologic cross sections. • Calculate groundwater elevations. • Develop groundwater elevation contour maps. • Identify which groundwater zones influenced by pumping. • Calculate the groundwater elevation of specific groundwater zones.	• Data set includes locations and reference point elevations of EPA monitoring wells based on land and elevation surveys of known and usable quality. • Data set includes data for EPA monitoring well screened intervals recorded at time of construction of known and usable quality.
Lithologic logs.	• Logs for EPA monitoring wells developed during the drilling process by an onsite geologist.	• Assess geologic properties. • Estimate porosity. • Develop geologic cross sections. • Assess the presence of separate hydrostratigraphic units. • Assess the presence of geologic controls on groundwater flow (low and high hydraulic conductivity, lithology, bedrock fractures, degree of weathering, faulting, etc.).	• Geophysical logging confirmed lithologic information. • Evaluations based solely on data from EPA monitoring well lithologic logs if inconsistencies between lithologic logs for monitoring wells and production wells identified.
Geophysical logs.	• Geophysical logs generated by a licensed contractor of known and usable quality.	• Refine assessment of geologic properties. • Assess the depth of the alluvium/bedrock contact.	• Geophysical log interpretations supplemented and confirmed by lithologic information collected during drilling at EPA monitoring wells.
Groundwater elevations at EPA monitoring wells.	• Groundwater elevation measurements collected using methods with ±0.01 foot accuracy.	• Assess groundwater flow directions. • Identify potential monitoring well locations. • Calculate hydraulic gradients. • Calculate vertical gradients. • Calculate groundwater flow velocities. • Assess the potential presence of geologic controls of groundwater flow (separate hydrostratigraphic units).	• Primary data collected at available production wells using methods with ±0.01 foot accuracy in 2004 and 2007.
Groundwater geochemistry data.	• Data collected by EPA.	• Assess the potential presence of geologic controls of groundwater flow (separate hydrostratigraphic units, faults, fractures, folds, etc.) • Assess the groundwater zones in the aquifers.	• Section C.4.1 discusses the data validation process for the primary data.

Notes:
CERCLA – Comprehensive Environmental Response, Compensation, and Liability Act
COPCs – contaminants of potential concern
EPA – United States Environmental Protection Agency
HHRA – human health risk assessment
MCLs – maximum contaminant levels
RSLs – regional screening levels

TABLE C-1
Primary Environmental Data Set Analysis
Remedial Investigation
San Gabriel Valley Area 3 Superfund Site

Data Type	Data Collection	Data Use	Data Assessment
Groundwater laboratory analytical data.	• Data collected by EPA.	• Identify potential locations of contaminant sources. Assess the nature and general distribution of contamination.	• Section C.4.1 discusses the data validation process for the primary data.
EPA Information Requests CERCLA Section 104(e).	• Data generated by the responsible party for EPA.	• Information requests [pursuant to CERCLA Section 104(e)] sent to facilities considered potential sources of regional groundwater contamination in Area 3. Requested information includes: – Corporate identity. – History of storage and use of COPCs. – History of disposal of hazardous substances. – Hazardous substances in waste streams. – Summary of past remedial activities at facility.	• Obtained information compared for consistency with data obtained from other sources.
Evaluation criteria for screening groundwater environmental data: • Federal drinking water standards (EPA MCLs).	• Evaluation criteria are peer-reviewed, formally published, and generally of known and usable quality.	• Identify Key COPCs.	• Data usable without further assessment.
Human health risk screening levels: • EPA RSLs. • EPA MCLs.	• Screening levels used in the HHRA are peer-reviewed, formally published, and generally of known and usable quality.	• Assess suitability of groundwater for domestic tap water use.	• Data usable without further assessment. Appendix F summarizes uncertainties in the HHRA.

Notes:
CERCLA – Comprehensive Environmental Response, Compensation, and Liability Act
COPCs – contaminants of potential concern
EPA – United States Environmental Protection Agency
HHRA – human health risk assessment
MCLs – maximum contaminant levels
RSLs – regional screening levels

Data Type	Data Collection	Data Use	Data Assessment
Topographic Data.	• Data from published USGS maps of known and usable quality.	• Assess the direction of surface water flow. • Develop a preliminary assessment of the groundwater flow direction in the shallowest aquifer.	• Data usable without further assessment.
Precipitation Data.	• Published LADPW data of known and usable quality.	• Estimate potential groundwater recharge volume. • Assess the potential seasonality of groundwater recharge.	• Data usable without further assessment.
Land Use Data.	• Published city and county data of known and usable quality.	• Estimate potential groundwater recharge from rainfall.	• Data usable without further assessment.
Recharge Data: • Total recharge at Eaton Basin.	• Published LADPW data of known and usable quality.	• Estimate potential groundwater recharge volume. • Assess the potential seasonality of imported water recharge to groundwater. • Assess effect of imported water on groundwater elevations and flow directions.	• Data usable without further assessment.
Surface Water Data: • Surface water flow data for the Alhambra, Rubio, and Eaton Washes.	• Published LADPW data of known and usable quality.	• Estimate potential groundwater recharge volume.	• Data usable without further assessment.
Pumping Data: • Production well pumping rates.	• Published Watermaster data of known and usable quality.	• Assess well status (active/inactive) changes over time. • Identify production wells that are most likely to affect current groundwater flow directions. • Identify production wells that are most likely to have affected groundwater flow directions over time.	• Data usable without further assessment.

Notes:
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Data Type	Data Collection	Data Use	Data Assessment
Well data: • Facility monitoring well and production well locations and reference point elevations. • Groundwater facility monitoring well and production well screened intervals.	• Elevation data surveyed after well installation by a state-licensed surveyor. • Screened intervals determined after reviewing lithologic logs to determine high transmissive zone. Intervals recorded on well construction logs.	• Develop geologic cross sections. • Calculate groundwater elevations. • Develop groundwater elevation contour maps. • Identify which groundwater zones are influenced by pumping. • Calculate the groundwater elevation of specific groundwater zones. • Determine if groundwater elevation measurements from production wells represent a specific groundwater zone or multiple groundwater zones.	• Data set includes locations and reference point elevations of facility monitoring wells and production wells based on land and elevation surveys of known and usable quality. • Data set includes data for EPA monitoring well screened intervals recorded at time of construction of known and usable quality.
Lithologic logs.	• Logs for facility groundwater monitoring wells developed during the drilling process by an onsite geologist.	• Assess geologic properties. • Estimate porosity. • Develop geologic cross sections. • Assess the presence of separate hydrostratigraphic units. • Assess the presence of geologic controls on groundwater flow (low and high hydraulic conductivity, lithology, bedrock fractures, degree of weathering, faulting, etc.).	• Geophysical logging confirmed lithologic information. • Evaluations based solely on data from monitoring well lithologic logs if inconsistencies between lithologic logs for monitoring wells and production wells identified.
Geophysical logs.	• Geophysical logs generated by a licensed contractor of known and usable quality.	• Refine assessment of geologic properties. • Assess the depth of the alluvium/bedrock contact.	• Geophysical log interpretations supplemented and confirmed by lithologic information collected during drilling at EPA monitoring wells.

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Data Type	Data Collection	Data Use	Data Assessment
Groundwater elevations at facility monitoring wells and production wells.	• Groundwater elevation measurements at production wells collected using methods with ± 1 foot accuracy. • Facilities generally collected groundwater elevation measurements using methods with comparable accuracy to EPA's methods.	• Assess groundwater flow directions. • Identify potential monitoring well locations. • Calculate hydraulic gradients. • Calculate vertical gradients. • Calculate groundwater flow velocities. • Assess the potential presence of geologic controls of groundwater flow (separate hydrostratigraphic units).	• Measurements collected by water purveyors generally omitted. • Primary data collected at available production wells using methods with ±0.01 ft accuracy in 2004 and 2007. • EPA, in coordination with LARWQCB, periodically collected groundwater elevation measurements at facility monitoring wells to verify the accuracy of reported measurements.
Regional Geologic Data.	• Data obtained from published sources of known and usable quality.	• Assess the potential presence of geologic controls of groundwater flow (faults, fractures, folds, etc.). • Identify potential monitoring well locations.	• Data usable without further assessment.
Aquifer Test Data.	• Data generated by water purveyors, power companies, and/or Watermaster and considered to be of variable quality. • Published values of hydraulic conductivity of known and usable quality used in lieu of actual field aquifer test data as needed.	• Assess hydraulic properties. • Calculate hydraulic conductivity. • Calculate groundwater flow velocities.	• Data usable without further assessment.
Groundwater geochemistry data.	• Data generated by facilities. • Reliability of dissolved oxygen measurements collected by facilities questionable because samples may have been exposed to air prior to measurement.	• Assess the potential presence of geologic controls of groundwater flow (separate hydrostratigraphic units, faults, fractures, folds, etc.).	• Dissolved oxygen measurements collected by facilities were not used to develop the hydrogeologic conceptual site model. • Data usability assessment reviewed secondary data collection procedures.

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Data Type	Data Collection	Data Use	Data Assessment
Evaluation criteria for screening groundwater environmental data: • California drinking water standards (MCLs and NLs). • California Toxics Rule for Aquatic Life Protection maximum for hexavalent chromium.	• Evaluation criteria are peer-reviewed, formally published, and generally of known and usable quality.	• Identify Key COPCs.	• Data usable without further assessment.
Groundwater laboratory analytical data from production wells.	• Published Watermaster data of known and usable quality.	• Identify Key COPCs. • Develop a preliminary assessment of the nature and general distribution of contamination.	• Data usability assessment reviewed secondary data collection procedures.
Groundwater laboratory analytical data from facility monitoring wells.	• Data obtained from the State.	• Identify potential locations of contaminant sources. • Assess the nature and general distribution of contamination.	• Data usability assessment reviewed secondary data collection procedures.
Existing Information: • Facility information from federal, State, and local agency files.	• Data obtained from historical property records and literature searches. • Reliability varies depending on the detail of the records and the legibility of the documents.	• Review of existing agency data enabled EPA to: – Develop a list of potential sources of regional groundwater contamination. – Eliminate from further investigation facilities considered to be unlikely sources of regional groundwater contamination.	• Obtained information compared for consistency with data collected from drive-by surveys, CUQs, responses to information requests [pursuant to CERCLA Section 104(e)], and facility inspections.
• Drive-by Surveys	• Data obtained from recent site observations. • Reliability based on the ability to accurately locate a facility.	• Eliminate from further investigation facilities with no on-site chemical storage or use and duplicate or defunct facilities.	• Information obtained compared for consistency with existing information, CUQs, responses to information requests [pursuant to CERCLA Section 104(e)], and facility inspections.

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TABLE C-2
Secondary Environmental Data Set Analysis
Remedial Investigation
San Gabriel Valley Area 3 Superfund Site

Data Type	Data Collection	Data Use	Data Assessment
Pre-inspection/CUQs: • Completed and returned CUQs.	• Data generated by the responsible party. • Reliability varies depending on the accuracy and completeness of the response.	• CUQs used to eliminate from further investigation facilities that do not store or use the COPCs in Area 3. • CUQs used to prioritize remaining facilities for inspection.	• Obtained information compared for consistency with data obtained from other sources.
Facility Inspections.	• Data obtained from recent site observations of known and usable quality.	• Inspections performed at the facilities considered potential sources of regional groundwater contamination to: – Confirm the accuracy of the information submitted in the CUQs. – Observe chemical storage, use, and disposal practices at each facility. • Need for further investigation at each facility based on: – Type and amount of chemicals used. – Type and condition of chemical storage. – Method of chemical conveyance. – Onsite waste storage, treatment, and disposal practices at the facility.	• Obtained information compared for consistency with data obtained from other sources.
Subsurface Investigations.	• Data generated for the State by the responsible party. • Split groundwater samples[1] intermittently collected by the State to evaluate the quality of the groundwater data provided by facilities.	• Subsurface investigations consist of testing soil, soil gas, and/or groundwater to characterize the nature and extent of contamination at the facility.	• Section C.4.2.1 presents an evaluation of split groundwater sample[1] data as part of the Secondary Data Assessment and Evaluation

Notes:
[1]Groundwater samples collected by the facility or facility representative and split into two volumes for analysis by two separate laboratories.
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Data Type	Data Collection	Data Use	Data Assessment
Human health risk evaluation criteria: • California risk evaluation criteria (MCLs and NLs).	• Screening levels used in the HHRA are peer-reviewed, formally published, and generally of known and usable quality.	• Assess suitability of groundwater for domestic tap water use.	• Data usable without further assessment. Appendix F summarizes uncertainties in the HHRA.
Chemical Toxicity Values. • Federal toxicity values. • California toxicity values.	• Toxicity values used in the HHRA are peer-reviewed, formally published, and generally of known and usable quality.	• Calculate human health cancer risks and non-carcinogenic health hazards.	• Data usable without further assessment. Appendix F summarizes uncertainties in the HHRA.
Ecological Risk Screening Values for Surface Water: • Federal Ambient Water Quality Criteria for chronic exposure of freshwater organisms. • California MCLs and NLs. • Los Angeles Region Basin Plan Water Quality Objectives. • Others, such as Canadian Environmental Quality Guidelines and Ecotox Thresholds.	• Toxicity values used in the ecological risk assessment are peer-reviewed, formally published, and generally of known and usable quality.	• Compare constituents of potential ecological concern concentrations to TRVs to identify chemicals that potentially pose a risk to lower trophic level ecological receptors (e.g., fish and plants). • Compare modeled diet-based constituents of potential ecological concern uptake to dietary-TRVs to identify chemicals that potentially pose a risk to higher trophic ecological receptors (e.g., birds and mammals).	• Appendix G summarizes uncertainties in the ecological risk assessment.

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TABLE C-3
Field Blank Evaluation
Remedial Investigation
San Gabriel Valley Area 3 Superfund Site

Method	Parameter	Location	Original Sample ID	QA/QC Type	Sample Date	Result	Q	Units	DL	RL	Dilution	Final Result	Final Qualifier	Comment
Volatile Organics (CLP)	2-Butanone	EQUP-BLKE	Y1JD2	EB	10-Nov-04	1.8	LJ	µg/L		5	1			
		EPAMW15	Y1JC5	N	10-Nov-04	5	UJ	µg/L		5	1	5	UJ	No action
		EPAMW15	Y1JC6	N	10-Nov-04	5	UJ	µg/L		5	1	5	UJ	No action
		EPAMW15	Y1JC7	N	10-Nov-04	5	U	µg/L		5	1	5	U	No action
		EPAMW15	Y1JC8	N	10-Nov-04	5	U	µg/L		5	1	5	U	No action
		EPAMW15	Y1JC9	N	10-Nov-04	5	U	µg/L		5	1	5	U	No action
		EPAMW15	Y1JD0	N	10-Nov-04	5	UJ	µg/L		5	1	5	UJ	No action
		EPAMW15	Y1JD1	D	10-Nov-04	5	UJ	µg/L		5	1	5	UJ	No action
Volatile Organics (CLP)	Methylene Chloride	EQUP-BLKE	Y1JD2	EB	10-Nov-04	0.11	LJ	µg/L		0.5	1			
		EPAMW15	Y1JC5	N	10-Nov-04	0.5	UJ	µg/L		0.5	1	0.5	UJ	No action
		EPAMW15	Y1JC6	N	10-Nov-04	0.5	UJ	µg/L		0.5	1	0.5	UJ	No action
		EPAMW15	Y1JC7	N	10-Nov-04	0.5	UJ	µg/L		0.5	1	0.5	UJ	No action
		EPAMW15	Y1JC8	N	10-Nov-04	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW15	Y1JC9	N	10-Nov-04	0.5	UJ	µg/L		0.5	1	0.5	UJ	No action
		EPAMW15	Y1JD0	N	10-Nov-04	0.5	UJ	µg/L		0.5	1	0.5	UJ	No action
		EPAMW15	Y1JD1	D	10-Nov-04	0.1	UJ	µg/L		0.5	1	0.1	UJ	No action
Volatile Organics (CLP)	Toluene	EQUP-BLKE	Y1JD2	EB	10-Nov-04	0.12	LJ	µg/L		0.5	1			
		EPAMW15	Y1JC5	N	10-Nov-04	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW15	Y1JC6	N	10-Nov-04	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW15	Y1JC7	N	10-Nov-04	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW15	Y1JC8	N	10-Nov-04	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW15	Y1JC9	N	10-Nov-04	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW15	Y1JD0	N	10-Nov-04	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW15	Y1JD1	D	10-Nov-04	0.5	U	µg/L		0.5	1	0.5	U	No action
Volatile Organics (CLP)	Acetone	EQUP-BLKE	Y1JC4	EB	11-Nov-04	2.5	J	µg/L		5	1			
		EPAMW12A	Y1JB7	N	11-Nov-04	2.3	J	µg/L		5	1	**2.3**	**U**	Nondetect at reported concentration
		EPAMW13	Y1JB8	N	11-Nov-04	4.2	J	µg/L		5	1	**4.2**	**U**	Nondetect at reported concentration
		EPAMW13	Y1JB9	N	11-Nov-04	2.5	J	µg/L		5	1	**2.5**	**U**	Nondetect at reported concentration
		EPAMW13	Y1JC0	N	11-Nov-04	3.8	J	µg/L		5	1	**3.8**	**U**	Nondetect at reported concentration
		EPAMW13	Y1JC1	D	11-Nov-04	3	J	µg/L		5	1	**3**	**U**	Nondetect at reported concentration
		EPAMW13	Y1JC2	N	11-Nov-04	5	UJ	µg/L		5	1	5	UJ	No action
		EPAMW13	Y1JC3	N	11-Nov-04	5	U	µg/L		5	1	5	U	No action
Volatile Organics (CLP)	Bromoform	EQUP-BLKE	Y1JC4	EB	11-Nov-04	0.7		µg/L		0.5	1			7
		EPAMW12A	Y1JB7	N	11-Nov-04	0.5	UJ	µg/L		0.5	1	0.5	UJ	No action
		EPAMW13	Y1JB8	N	11-Nov-04	0.5	UJ	µg/L		0.5	1	0.5	UJ	No action
		EPAMW13	Y1JB9	N	11-Nov-04	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW13	Y1JC0	N	11-Nov-04	0.56		µg/L		0.5	1	**0.56**	**U**	Nondetect at reported concentration
		EPAMW13	Y1JC1	D	11-Nov-04	0.65		µg/L		0.5	1	**0.65**	**U**	Nondetect at reported concentration
		EPAMW13	Y1JC2	N	11-Nov-04	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW13	Y1JC3	N	11-Nov-04	0.6		µg/L		0.5	1	**0.6**	**U**	Nondetect at reported concentration
Volatile Organics (CLP)	Toluene	EQUP-BLKE	Y1JC4	EB	11-Nov-04	0.12	J	µg/L		0.5	1			
		EPAMW12A	Y1JB7	N	11-Nov-04	0.37	J	µg/L		0.5	1	**0.37**	U	Nondetect at reported concentration
		EPAMW13	Y1JB8	N	11-Nov-04	0.14	J	µg/L		0.5	1	**0.14**	U	Nondetect at reported concentration
		EPAMW13	Y1JB9	N	11-Nov-04	0.11	J	µg/L		0.5	1	**0.11**	U	Nondetect at reported concentration
		EPAMW13	Y1JC0	N	11-Nov-04	0.12	J	µg/L		0.5	1	**0.12**	U	Nondetect at reported concentration
		EPAMW13	Y1JC1	D	11-Nov-04	0.11	J	µg/L		0.5	1	**0.11**	U	Nondetect at reported concentration
		EPAMW13	Y1JC2	N	11-Nov-04	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW13	Y1JC3	N	11-Nov-04	0.5	U	µg/L		0.5	1	0.5	U	No action

Notes:
Bold Text indicates where final results have been further qualified based on field blank contamination.

D = Field Duplicate
EB = Equipment Blank
FB = Field Blank
N = Primary Sample
mg/L = milligram(s) per liter
µg/L = microgram(s) per liter
ng/L = nanogram(s) per liter

J = Estimated Value
L = Result May be Biased Low
LJ = Estimated Value, Result May be Biased Low
R = Rejected
U = Non-Detect
UJ = Non-Detect Estimated Value
UR = Rejected Non-Detect

TABLE C-3
Field Blank Evaluation
Remedial Investigation
San Gabriel Valley Area 3 Superfund Site

Method	Parameter	Location	Original Sample ID	QA/QC Type	Sample Date	Result	Q	Units	DL	RL	Dilution	Final Result	Final Qualifier	Comment
Volatile Organics (CLP)	Trichloroethene	EQUP-BLKE	Y1JC4	EB	11-Nov-04	0.1	J	µg/L		0.5	1			
		EPAMW12A	Y1JB7	N	11-Nov-04	76		µg/L		0.5	8	76		No action
		EPAMW13	Y1JB8	N	11-Nov-04	0.28	J	µg/L		0.5	1	0.28	**U**	Nondetect at reported concentration
		EPAMW13	Y1JB9	N	11-Nov-04	0.2	J	µg/L		0.5	1	0.2	**U**	Nondetect at reported concentration
		EPAMW13	Y1JC0	N	11-Nov-04	17		µg/L		0.5	1	17		No action
		EPAMW13	Y1JC1	D	11-Nov-04	18		µg/L		0.5	1	18		No action
		EPAMW13	Y1JC2	N	11-Nov-04	4		µg/L		0.5	1	4		No action
		EPAMW13	Y1JC3	N	11-Nov-04	4.1		µg/L		0.5	1	4.1		No action
Volatile Organics (CLP)	2-Butanone	FLD-BLKE	Y30B0	FB	13-Nov-06	2.1	J	µg/L		5	1			
		EPAMW11	Y30A8	N	13-Nov-06	5	U	µg/L		5	1	5	U	Nondetect at reported concentration
		EPAMW11	Y30A9	D	13-Nov-06	5	U	µg/L		5	1	5	U	Nondetect at reported concentration
Volatile Organics (CLP)	Acetone	FLD-BLKE	Y30B0	FB	13-Nov-06	15		µg/L		5	1			
		EPAMW11	Y30A8	N	13-Nov-06	5	U	µg/L		5	1	5	U	Nondetect at reported concentration
		EPAMW11	Y30A9	D	13-Nov-06	5	U	µg/L		5	1	5	U	Nondetect at reported concentration
Volatile Organics (CLP)	Ethylbenzene	FLD-BLKE	Y30B0	FB	13-Nov-06	0.063	J	µg/L		0.5	1			
		EPAMW11	Y30A8	N	13-Nov-06	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW11	Y30A9	D	13-Nov-06	0.0067	J	µg/L		0.5	1	**0.0067**	**U**	Nondetect at reported concentration
Volatile Organics (CLP)	m,p-Xylene	FLD-BLKE	Y30B0	FB	13-Nov-06	0.24	J	µg/L		0.5	1			
		EPAMW11	Y30A8	N	13-Nov-06	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW11	Y30A9	D	13-Nov-06	0.0082	J	µg/L		0.5	1	**0.0082**	**U**	Nondetect at reported concentration
Volatile Organics (CLP)	Methylene Chloride	FLD-BLKE	Y30B0	FB	13-Nov-06	4.5		µg/L		0.5	1			
		EPAMW11	Y30A8	N	13-Nov-06	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW11	Y30A9	D	13-Nov-06	0.5	U	µg/L		0.5	1	0.5	U	No action
Volatile Organics (CLP)	o-Xylene	FLD-BLKE	Y30B0	FB	13-Nov-06	0.13	J	µg/L		0.5	1			
		EPAMW11	Y30A8	N	13-Nov-06	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW11	Y30A9	D	13-Nov-06	0.5	U	µg/L		0.5	1	0.5	U	No action
Volatile Organics (CLP)	Acetone	EQUP-BLKE	Y2906	EB	14-Nov-05	10		µg/L		5	1			
		EPAMW14	Y2905	N	14-Nov-05	6.4		µg/L		5	1	**6.4**	**U**	Nondetect at reported concentration
Volatile Organics (CLP)	Ethylbenzene	EQUP-BLKE	Y2906	EB	14-Nov-05	0.3	J	µg/L		0.5	1			
		EPAMW14	Y2905	N	14-Nov-05	0.5	U	µg/L		0.5	1	0.5	U	No action
Volatile Organics (CLP)	Methylene Chloride	EQUP-BLKE	Y2906	EB	14-Nov-05	0.19	J	µg/L		0.5	1			
		EPAMW14	Y2905	N	14-Nov-05	0.5	U	µg/L		0.5	1	0.5	U	No action
Volatile Organics (CLP)	Toluene	EQUP-BLKE	Y2906	EB	14-Nov-05	0.65		µg/L		0.5	1			
		EPAMW14	Y2905	N	14-Nov-05	0.5	U	µg/L		0.5	1	0.5	U	No action
Volatile Organics (CLP)	Total Xylenes	EQUP-BLKE	Y2906	EB	14-Nov-05	1.3		µg/L		0.5	1			
		EPAMW14	Y2905	N	14-Nov-05	0.5	U	µg/L		0.5	1	0.5	U	No action
Volatile Organics (CLP)	Benzene	EQUP-BLKE	Y30B6	EB	14-Nov-06	0.14	J	µg/L		0.5	1			
		EPAMW15	Y30B2	N	14-Nov-06	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW15	Y30B3	N	14-Nov-06	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW15	Y30B4	N	14-Nov-06	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW15	Y30B5	N	14-Nov-06	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW18	Y30B1	N	14-Nov-06	0.5	U	µg/L		0.5	1	0.5	U	No action
Volatile Organics (CLP)	Ethylbenzene	EQUP-BLKE	Y30B6	EB	14-Nov-06	0.077	J	µg/L		0.5	1			
		EPAMW15	Y30B2	N	14-Nov-06	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW15	Y30B3	N	14-Nov-06	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW15	Y30B4	N	14-Nov-06	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW15	Y30B5	N	14-Nov-06	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW18	Y30B1	N	14-Nov-06	0.5	U	µg/L		0.5	1	0.5	U	No action

Notes:
Bold Text indicates where final results have been further qualified based on field blank contamination.

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EB = Equipment Blank
FB = Field Blank
N = Primary Sample
mg/L = milligram(s) per liter
µg/L = microgram(s) per liter
ng/L = nanogram(s) per liter

J = Estimated Value
L = Result May be Biased Low
LJ = Estimated Value, Result May be Biased Low
R = Rejected
U = Non-Detect
UJ = Non-Detect Estimated Value
UR = Rejected Non-Detect

TABLE C-3
Field Blank Evaluation
Remedial Investigation
San Gabriel Valley Area 3 Superfund Site

Method	Parameter	Location	Original Sample ID	QA/QC Type	Sample Date	Result	Q	Units	DL	RL	Dilution	Final Result	Final Qualifier	Comment
Volatile Organics (CLP)	m,p-Xylene	EQUP-BLKE	Y30B6	EB	14-Nov-06	0.17	J	µg/L		0.5	1			
		EPAMW15	Y30B2	N	14-Nov-06	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW15	Y30B3	N	14-Nov-06	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW15	Y30B4	N	14-Nov-06	0.013	J	µg/L		0.5	1	**0.013**	**U**	Nondetect at reported concentration
		EPAMW15	Y30B5	N	14-Nov-06	0.013	J	µg/L		0.5	1	**0.013**	**U**	Nondetect at reported concentration
		EPAMW18	Y30B1	N	14-Nov-06	0.5	U	µg/L		0.5	1	0.5	U	No action
Volatile Organics (CLP)	o-Xylene	EQUP-BLKE	Y30B6	EB	14-Nov-06	0.11	J	µg/L		0.5	1			
		EPAMW15	Y30B2	N	14-Nov-06	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW15	Y30B3	N	14-Nov-06	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW15	Y30B4	N	14-Nov-06	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW15	Y30B5	N	14-Nov-06	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW18	Y30B1	N	14-Nov-06	0.5	U	µg/L		0.5	1	0.5	U	No action
Volatile Organics (CLP)	Toluene	EQUP-BLKE	Y30B6	EB	14-Nov-06	0.55		µg/L		0.5	1			
		EPAMW15	Y30B2	N	14-Nov-06	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW15	Y30B3	N	14-Nov-06	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW15	Y30B4	N	14-Nov-06	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW15	Y30B5	N	14-Nov-06	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW18	Y30B1	N	14-Nov-06	0.5	U	µg/L		0.5	1	0.5	U	No action
Volatile Organics (CLP)	1,1-Dichloroethene	EQUP-BLKE	Y3QN9	EB	14-Nov-07	0.084	J	µg/L		0.5	1			
		EPAMW13	Y3QN3	N	14-Nov-07	0.082	J	µg/L		0.5	1	**0.082**	**U**	Nondetect at reported concentration
		EPAMW13	Y3QN4	N	14-Nov-07	0.077	J	µg/L		0.5	1	**0.077**	**U**	Nondetect at reported concentration
		EPAMW13	Y3QN5	N	14-Nov-07	0.14	J	µg/L		0.5	1	**0.14**	**U**	Nondetect at reported concentration
		EPAMW13	Y3QN6	N	14-Nov-07	0.092	J	µg/L		0.5	1	**0.092**	**U**	Nondetect at reported concentration
		EPAMW13	Y3QN7	N	14-Nov-07	0.082	J	µg/L		0.5	1	**0.082**	**U**	Nondetect at reported concentration
		EPAMW13	Y3QN8	D	14-Nov-07	0.087	J	µg/L		0.5	1	**0.087**	**U**	Nondetect at reported concentration
Volatile Organics (CLP)	1,4-Dichlorobenzene	EQUP-BLKE	Y3QN9	EB	14-Nov-07	0.063	J	µg/L		0.5	1			
		EPAMW13	Y3QN3	N	14-Nov-07	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW13	Y3QN4	N	14-Nov-07	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW13	Y3QN5	N	14-Nov-07	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW13	Y3QN6	N	14-Nov-07	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW13	Y3QN7	N	14-Nov-07	0.059	J	µg/L		0.5	1	**0.059**	**U**	Nondetect at reported concentration
		EPAMW13	Y3QN8	D	14-Nov-07	0.5	U	µg/L		0.5	1	0.5	U	No action
Volatile Organics (CLP)	Carbon Disulfide	EQUP-BLKE	Y3QN9	EB	14-Nov-07	0.088	J	µg/L		0.5	1			
		EPAMW13	Y3QN3	N	14-Nov-07	1.4		µg/L		0.5	1	1.4		No action
		EPAMW13	Y3QN4	N	14-Nov-07	1.4		µg/L		0.5	1	1.4		No action
		EPAMW13	Y3QN5	N	14-Nov-07	0.14	J	µg/L		0.5	1	**0.14**	**U**	Nondetect at reported concentration
		EPAMW13	Y3QN6	N	14-Nov-07	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW13	Y3QN7	N	14-Nov-07	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW13	Y3QN8	D	14-Nov-07	1.1		µg/L		0.5	1	1.1		No action
Volatile Organics (CLP)	Chloroform	EQUP-BLKE	Y3QN9	EB	14-Nov-07	0.68		µg/L		0.5	1			
		EPAMW13	Y3QN3	N	14-Nov-07	0.14	J	µg/L		0.5	1	**0.14**	**U**	Nondetect at reported concentration
		EPAMW13	Y3QN4	N	14-Nov-07	0.13	J	µg/L		0.5	1	**0.13**	**U**	Nondetect at reported concentration
		EPAMW13	Y3QN5	N	14-Nov-07	0.6		µg/L		0.5	1	**0.6**	**U**	Nondetect at reported concentration
		EPAMW13	Y3QN6	N	14-Nov-07	0.55		µg/L		0.5	1	**0.55**	**U**	Nondetect at reported concentration
		EPAMW13	Y3QN7	N	14-Nov-07	0.56		µg/L		0.5	1	**0.56**	**U**	Nondetect at reported concentration
		EPAMW13	Y3QN8	D	14-Nov-07	0.15	J	µg/L		0.5	1	**0.15**	**U**	Nondetect at reported concentration

Notes:
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µg/L = microgram(s) per liter
ng/L = nanogram(s) per liter

J = Estimated Value
L = Result May be Biased Low
LJ = Estimated Value, Result May be Biased Low
R = Rejected
U = Non-Detect
UJ = Non-Detect Estimated Value
UR = Rejected Non-Detect

TABLE C-3
Field Blank Evaluation
Remedial Investigation
San Gabriel Valley Area 3 Superfund Site

Method	Parameter	Location	Original Sample ID	QA/QC Type	Sample Date	Result	Q	Units	DL	RL	Dilution	Final Result	Final Qualifier	Comment
Volatile Organics (CLP)	Chloromethane	EQUP-BLKE	Y3QN9	EB	14-Nov-07	0.13	J	µg/L		0.5	1			
		EPAMW13	Y3QN3	N	14-Nov-07	0.089	J	µg/L		0.5	1	**0.089**	**U**	Nondetect at reported concentration
		EPAMW13	Y3QN4	N	14-Nov-07	0.072	J	µg/L		0.5	1	**0.072**	**U**	Nondetect at reported concentration
		EPAMW13	Y3QN5	N	14-Nov-07	0.56		µg/L		0.5	1	0.56		No action
		EPAMW13	Y3QN6	N	14-Nov-07	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW13	Y3QN7	N	14-Nov-07	0.078	J	µg/L		0.5	1	**0.078**	**U**	No action
		EPAMW13	Y3QN8	D	14-Nov-07	0.067	J	µg/L		0.5	1	**0.067**	**U**	No action
Volatile Organics (CLP)	cis-1,2-Dichloroethene	EQUP-BLKE	Y3QN9	EB	14-Nov-07	1.7		µg/L		0.5	1			
		EPAMW13	Y3QN3	N	14-Nov-07	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW13	Y3QN4	N	14-Nov-07	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW13	Y3QN5	N	14-Nov-07	1.8		µg/L		0.5	1	1.8		No action
		EPAMW13	Y3QN6	N	14-Nov-07	5.2		µg/L		0.5	1	5.2		No action
		EPAMW13	Y3QN7	N	14-Nov-07	1.4		µg/L		0.5	1	**1.4**	**U**	Nondetect at reported concentration
		EPAMW13	Y3QN8	D	14-Nov-07	0.5	U	µg/L		0.5	1	0.5	U	No action
Volatile Organics (CLP)	Methylene Chloride	EQUP-BLKE	Y3QN9	EB	14-Nov-07	0.25	J	µg/L		0.5	1			
		EPAMW13	Y3QN3	N	14-Nov-07	0.24	J	µg/L		0.5	1	**0.24**	**U**	Nondetect at reported concentration
		EPAMW13	Y3QN4	N	14-Nov-07	0.25	J	µg/L		0.5	1	**0.25**	**U**	Nondetect at reported concentration
		EPAMW13	Y3QN5	N	14-Nov-07	0.24	J	µg/L		0.5	1	**0.24**	**U**	Nondetect at reported concentration
		EPAMW13	Y3QN6	N	14-Nov-07	0.23	J	µg/L		0.5	1	**0.23**	**U**	Nondetect at reported concentration
		EPAMW13	Y3QN7	N	14-Nov-07	0.24	J	µg/L		0.5	1	**0.24**	**U**	Nondetect at reported concentration
		EPAMW13	Y3QN8	D	14-Nov-07	0.24	J	µg/L		0.5	1	**0.24**	**U**	Nondetect at reported concentration
Volatile Organics (CLP)	Toluene	EQUP-BLKE	Y3QN9	EB	14-Nov-07	0.061	J	µg/L		0.5	1			
		EPAMW13	Y3QN3	N	14-Nov-07	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW13	Y3QN4	N	14-Nov-07	0.053	J	µg/L		0.5	1	**0.053**	**U**	Nondetect at reported concentration
		EPAMW13	Y3QN5	N	14-Nov-07	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW13	Y3QN6	N	14-Nov-07	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW13	Y3QN7	N	14-Nov-07	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW13	Y3QN8	D	14-Nov-07	0.5	U	µg/L		0.5	1	0.5	U	No action
Volatile Organics (CLP)	Trichloroethene	EQUP-BLKE	Y3QN9	EB	14-Nov-07	3.5		µg/L		0.5	1			
		EPAMW13	Y3QN3	N	14-Nov-07	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW13	Y3QN4	N	14-Nov-07	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW13	Y3QN5	N	14-Nov-07	14		µg/L		0.5	2	14		No action
		EPAMW13	Y3QN6	N	14-Nov-07	6.2		µg/L		0.5	1	6.2		No action
		EPAMW13	Y3QN7	N	14-Nov-07	2.8		µg/L		0.5	1	**2.8**	**U**	Nondetect at reported concentration
		EPAMW13	Y3QN8	D	14-Nov-07	0.094	J	µg/L		0.5	1	**0.094 U**	**U**	Nondetect at reported concentration
Volatile Organics (CLP)	Acetone	EQUP-BLKE	Y2908	EB	15-Nov-05	7.3		µg/L		5	1			
		EPAMW14	Y2909	N	15-Nov-05	6.6		µg/L		5	1	**6.6**	**U**	Nondetect at reported concentration
Volatile Organics (CLP)	Ethylbenzene	EQUP-BLKE	Y2908	EB	15-Nov-05	0.41	J	µg/L		0.5	1			
		EPAMW14	Y2909	N	15-Nov-05	0.5	U	µg/L		0.5	1	0.5	U	No action
Volatile Organics (CLP)	Toluene	EQUP-BLKE	Y2908	EB	15-Nov-05	0.8		µg/L		0.5	1			
		EPAMW14	Y2909	N	15-Nov-05	0.16	J	µg/L		0.5	1	**0.16**	**U**	Nondetect at reported concentration
Volatile Organics (CLP)	Total Xylenes	EQUP-BLKE	Y2908	EB	15-Nov-05	2.2		µg/L		0.5	1			
		EPAMW14	Y2909	N	15-Nov-05	0.5	U	µg/L		0.5	1	0.5	U	No action
Volatile Organics (CLP)	2-Butanone	EQUP-BLKE	Y30C2	EB	15-Nov-06	1.5	J	µg/L		5	1			
		EPAMW12A	Y30B7	N	15-Nov-06	5	U	µg/L		5	1	5	U	No action
Volatile Organics (CLP)	Acetone	EQUP-BLKE	Y30C2	EB	15-Nov-06	16		µg/L		5	1			
		EPAMW12A	Y30B7	N	15-Nov-06	5	U	µg/L		5	1	5	U	No action

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µg/L = microgram(s) per liter
ng/L = nanogram(s) per liter

J = Estimated Value
L = Result May be Biased Low
LJ = Estimated Value, Result May be Biased Low
R = Rejected
U = Non-Detect
UJ = Non-Detect Estimated Value
UR = Rejected Non-Detect

TABLE C-3
Field Blank Evaluation
Remedial Investigation
San Gabriel Valley Area 3 Superfund Site

Method	Parameter	Location	Original Sample ID	QA/QC Type	Sample Date	Result	Q	Units	DL	RL	Dilution	Final Result	Final Qualifier	Comment
Volatile Organics (CLP)	Carbon Disulfide	EQUP-BLKE	Y30C2	EB	15-Nov-06	0.11	J	µg/L		0.5	1			
		EPAMW12A	Y30B7	N	15-Nov-06	0.56		µg/L		0.5	1	0.56		No action
Volatile Organics (CLP)	Methylene Chloride	EQUP-BLKE	Y30C2	EB	15-Nov-06	1.1		µg/L		0.5	1			
		EPAMW12A	Y30B7	N	15-Nov-06	1.1		µg/L		0.5	1	1.1		No action
Volatile Organics (CLP)	Toluene	EQUP-BLKE	Y30C2	EB	15-Nov-06	0.24	J	µg/L		0.5	1			
		EPAMW12A	Y30B7	N	15-Nov-06	0.067	J	µg/L		0.5	1	0.067 U		Nondetect at reported concentration
Volatile Organics (CLP)	1,1-Dichloroethene	EQUP-BLKE	Y3QP7	EB	15-Nov-07	0.074	J	µg/L		0.5	1			
		EPAMW15	Y3QP0	N	15-Nov-07	0.092	J	µg/L		0.5	1	**0.092**	**U**	Nondetect at reported concentration
		EPAMW15	Y3QP1	N	15-Nov-07	0.09	J	µg/L		0.5	1	**0.09**	**U**	Nondetect at reported concentration
		EPAMW15	Y3QP2	N	15-Nov-07	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW15	Y3QP3	N	15-Nov-07	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW15	Y3QP4	N	15-Nov-07	0.085	J	µg/L		0.5	1	**0.085**	**U**	Nondetect at reported concentration
		EPAMW15	Y3QP5	N	15-Nov-07	0.082	J	µg/L		0.5	1	**0.082**	**U**	Nondetect at reported concentration
		EPAMW15	Y3QP6	D	15-Nov-07	0.088	J	µg/L		0.5	1	**0.088**	**U**	Nondetect at reported concentration
Volatile Organics (CLP)	Acetone	EQUP-BLKE	Y3QP7	EB	15-Nov-07	58		µg/L		5	1			
		EPAMW15	Y3QP0	N	15-Nov-07	59		µg/L		5	1	59		No action
		EPAMW15	Y3QP1	N	15-Nov-07	1.7	J	µg/L		5	1	**1.7**	**U**	Nondetect at reported concentration
		EPAMW15	Y3QP2	N	15-Nov-07	5	U	µg/L		5	1	5	U	No action
		EPAMW15	Y3QP3	N	15-Nov-07	1.5	J	µg/L		5	1	**1.5**	**U**	Nondetect at reported concentration
		EPAMW15	Y3QP4	N	15-Nov-07	2.3	J	µg/L		5	1	**2.3**	**U**	Nondetect at reported concentration
		EPAMW15	Y3QP5	N	15-Nov-07	5	U	µg/L		5	1	5	U	No action
		EPAMW15	Y3QP6	D	15-Nov-07	5	U	µg/L		5	1	5	U	No action
Volatile Organics (CLP)	Chloroform	EQUP-BLKE	Y3QP7	EB	15-Nov-07	0.1	J	µg/L		0.5	1			
		EPAMW15	Y3QP0	N	15-Nov-07	0.13	J	µg/L		0.5	1	**0.13**	**U**	Nondetect at reported concentration
		EPAMW15	Y3QP1	N	15-Nov-07	0.085	J	µg/L		0.5	1	**0.085**	**U**	Nondetect at reported concentration
		EPAMW15	Y3QP2	N	15-Nov-07	0.085	J	µg/L		0.5	1	**0.085**	**U**	Nondetect at reported concentration
		EPAMW15	Y3QP3	N	15-Nov-07	0.095	J	µg/L		0.5	1	**0.095**	**U**	Nondetect at reported concentration
		EPAMW15	Y3QP4	N	15-Nov-07	0.21	J	µg/L		0.5	1	**0.21**	**U**	Nondetect at reported concentration
		EPAMW15	Y3QP5	N	15-Nov-07	0.28	J	µg/L		0.5	1	**0.28**	**U**	Nondetect at reported concentration
		EPAMW15	Y3QP6	D	15-Nov-07	0.31	J	µg/L		0.5	1	**0.31**	**U**	Nondetect at reported concentration
Volatile Organics (CLP)	m,p-Xylene	EQUP-BLKE	Y3QP7	EB	15-Nov-07	0.096	J	µg/L		0.5	1			
		EPAMW15	Y3QP0	N	15-Nov-07	0.071	J	µg/L		0.5	1	**0.071**	**U**	Nondetect at reported concentration
		EPAMW15	Y3QP1	N	15-Nov-07	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW15	Y3QP2	N	15-Nov-07	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW15	Y3QP3	N	15-Nov-07	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW15	Y3QP4	N	15-Nov-07	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW15	Y3QP5	N	15-Nov-07	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW15	Y3QP6	D	15-Nov-07	0.5	U	µg/L		0.5	1	0.5	U	No action
Volatile Organics (CLP)	Methylene Chloride	EQUP-BLKE	Y3QP7	EB	15-Nov-07	0.23	J	µg/L		0.5	1			
		EPAMW15	Y3QP0	N	15-Nov-07	0.29	J	µg/L		0.5	1	**0.29**	**U**	Nondetect at reported concentration
		EPAMW15	Y3QP1	N	15-Nov-07	0.24	J	µg/L		0.5	1	**0.24**	**U**	Nondetect at reported concentration
		EPAMW15	Y3QP2	N	15-Nov-07	0.23	J	µg/L		0.5	1	**0.23**	**U**	Nondetect at reported concentration
		EPAMW15	Y3QP3	N	15-Nov-07	0.24	J	µg/L		0.5	1	**0.24**	**U**	Nondetect at reported concentration
		EPAMW15	Y3QP4	N	15-Nov-07	0.23	J	µg/L		0.5	1	**0.23**	**U**	Nondetect at reported concentration
		EPAMW15	Y3QP5	N	15-Nov-07	0.23	J	µg/L		0.5	1	**0.23**	**U**	Nondetect at reported concentration
		EPAMW15	Y3QP6	D	15-Nov-07	0.25	J	µg/L		0.5	1	**0.25**	**U**	Nondetect at reported concentration

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LJ = Estimated Value, Result May be Biased Low
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U = Non-Detect
UJ = Non-Detect Estimated Value
UR = Rejected Non-Detect

TABLE C-3
Field Blank Evaluation
Remedial Investigation
San Gabriel Valley Area 3 Superfund Site

Method	Parameter	Location	Original Sample ID	QA/QC Type	Sample Date	Result	Q	Units	DL	RL	Dilution	Final Result	Final Qualifier	Comment
Volatile Organics (CLP)	Tert-Butyl Alcohol	EQUP-BLKE	Y3QP7	EB	15-Nov-07	14		µg/L		5	1			
		EPAMW15	Y3QP0	N	15-Nov-07	12		µg/L		5	1	**12**	**U**	Nondetect at reported concentration
		EPAMW15	Y3QP1	N	15-Nov-07	5	U	µg/L		5	1	5	U	No action
		EPAMW15	Y3QP2	N	15-Nov-07	5	U	µg/L		5	1	5	U	No action
		EPAMW15	Y3QP3	N	15-Nov-07	5	U	µg/L		5	1	5	U	No action
		EPAMW15	Y3QP4	N	15-Nov-07	5	U	µg/L		5	1	5	U	No action
		EPAMW15	Y3QP5	N	15-Nov-07	5	U	µg/L		5	1	5	U	No action
		EPAMW15	Y3QP6	D	15-Nov-07	5	U	µg/L		5	1	5	U	No action
Volatile Organics (CLP)	Toluene	EQUP-BLKE	Y3QP7	EB	15-Nov-07	0.28	J	µg/L		0.5	1			
		EPAMW15	Y3QP0	N	15-Nov-07	0.21	J	µg/L		0.5	1	**0.21**	**U**	Nondetect at reported concentration
		EPAMW15	Y3QP1	N	15-Nov-07	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW15	Y3QP2	N	15-Nov-07	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW15	Y3QP3	N	15-Nov-07	0.065	J	µg/L		0.5	1	**0.065**	**U**	Nondetect at reported concentration
		EPAMW15	Y3QP4	N	15-Nov-07	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW15	Y3QP5	N	15-Nov-07	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW15	Y3QP6	D	15-Nov-07	0.071	J	µg/L		0.5	1	**0.071**	**U**	Nondetect at reported concentration
Volatile Organics (CLP)	Acetone	EQUP-BLKE	Y2912	EB	16-Nov-05	4.8	J	µg/L		5	1			
		EPAMW14	Y2910	N	16-Nov-05	3.4	J	µg/L		5	1	**3.4**	**U**	Nondetect at reported concentration
		EPAMW14	Y2911	D	16-Nov-05	9	J	µg/L		5	1	**9**	**U**	Nondetect at reported concentration
Volatile Organics (CLP)	Chloromethane	EQUP-BLKE	Y2912	EB	16-Nov-05	0.54		µg/L		0.5	1			
		EPAMW14	Y2910	N	16-Nov-05	1.6		µg/L		0.5	1	1.6		No action
		EPAMW14	Y2911	D	16-Nov-05	1.1		µg/L		0.5	1	1.1		No action
Volatile Organics (CLP)	Ethylbenzene	EQUP-BLKE	Y2912	EB	16-Nov-05	0.19	J	µg/L		0.5	1			
		EPAMW14	Y2910	N	16-Nov-05	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW14	Y2911	D	16-Nov-05	0.5	U	µg/L		0.5	1	0.5	U	No action
Volatile Organics (CLP)	Toluene	EQUP-BLKE	Y2912	EB	16-Nov-05	0.41	J	µg/L		0.5	1			
		EPAMW14	Y2910	N	16-Nov-05	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW14	Y2911	D	16-Nov-05	0.5	U	µg/L		0.5	1	0.5	U	No action
Volatile Organics (CLP)	Total Xylenes	EQUP-BLKE	Y2912	EB	16-Nov-05	1.1		µg/L		0.5	1			
		EPAMW14	Y2910	N	16-Nov-05	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW14	Y2911	D	16-Nov-05	0.5	U	µg/L		0.5	1	0.5	U	No action
Volatile Organics (CLP)	2-Butanone	EQUP-BLKE	Y30C9	EB	16-Nov-06	1.4	J	µg/L		5	1			
		EPAMW13	Y30C3	N	16-Nov-06	0.67	J	µg/L		5	1	**0.67**	**U**	Nondetect at reported concentration
		EPAMW13	Y30C4	N	16-Nov-06	0.49	J	µg/L		5	1	**0.49**	**U**	Nondetect at reported concentration
		EPAMW13	Y30C5	N	16-Nov-06	5	U	µg/L		5	1	5	U	No action
		EPAMW13	Y30C6	N	16-Nov-06	5	U	µg/L		5	1	5	U	No action
		EPAMW13	Y30C7	D	16-Nov-06	5	U	µg/L		5	1	5	U	No action
		EPAMW13	Y30C8	N	16-Nov-06	0.55	J	µg/L		5	1	**0.55**	**U**	Nondetect at reported concentration
Volatile Organics (CLP)	Methylene Chloride	EQUP-BLKE	Y30C9	EB	16-Nov-06	1.3		µg/L		0.5	1			
		EPAMW13	Y30C3	N	16-Nov-06	1.6		µg/L		0.5	1	1.6		Nondetect at reported concentration
		EPAMW13	Y30C4	N	16-Nov-06	1		µg/L		0.5	1	**1**	**U**	Nondetect at reported concentration
		EPAMW13	Y30C5	N	16-Nov-06	1.2		µg/L		0.5	1	**1.2**	**U**	Nondetect at reported concentration
		EPAMW13	Y30C6	N	16-Nov-06	1.2		µg/L		0.5	1	**1.2**	**U**	Nondetect at reported concentration
		EPAMW13	Y30C7	D	16-Nov-06	1.2		µg/L		0.5	1	**1.2**	**U**	Nondetect at reported concentration
		EPAMW13	Y30C8	N	16-Nov-06	1.1		µg/L		0.5	1	**1.1**	**U**	Nondetect at reported concentration

Notes:
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N = Primary Sample
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µg/L = microgram(s) per liter
ng/L = nanogram(s) per liter

J = Estimated Value
L = Result May be Biased Low
LJ = Estimated Value, Result May be Biased Low
R = Rejected
U = Non-Detect
UJ = Non-Detect Estimated Value
UR = Rejected Non-Detect

TABLE C-3
Field Blank Evaluation
Remedial Investigation
San Gabriel Valley Area 3 Superfund Site

Method	Parameter	Location	Original Sample ID	QA/QC Type	Sample Date	Result	Q	Units	DL	RL	Dilution	Final Result	Final Qualifier	Comment
Volatile Organics (CLP)	Toluene	EQUP-BLKE	Y30C9	EB	16-Nov-06	0.86		µg/L		0.5	1			
		EPAMW13	Y30C3	N	16-Nov-06	0.038	J	µg/L		0.5	1	**0.038**	**U**	Nondetect at reported concentration
		EPAMW13	Y30C4	N	16-Nov-06	0.039	J	µg/L		0.5	1	**0.039**	**U**	Nondetect at reported concentration
		EPAMW13	Y30C5	N	16-Nov-06	0.037	J	µg/L		0.5	1	**0.037**	**U**	Nondetect at reported concentration
		EPAMW13	Y30C6	N	16-Nov-06	0.029	J	µg/L		0.5	1	**0.029**	**U**	Nondetect at reported concentration
		EPAMW13	Y30C7	D	16-Nov-06	0.037	J	µg/L		0.5	1	**0.037**	**U**	Nondetect at reported concentration
		EPAMW13	Y30C8	N	16-Nov-06	0.03	J	µg/L		0.5	1	**0.03**	**U**	Nondetect at reported concentration
Volatile Organics (CLP)	Trichloroethene	EQUP-BLKE	Y30C9	EB	16-Nov-06	0.042	J	µg/L		0.5	1			
		EPAMW13	Y30C3	N	16-Nov-06	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW13	Y30C4	N	16-Nov-06	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW13	Y30C5	N	16-Nov-06	18		µg/L		0.5	1	18		No action
		EPAMW13	Y30C6	N	16-Nov-06	4.1		µg/L		0.5	1	4.1		No action
		EPAMW13	Y30C7	D	16-Nov-06	3.5		µg/L		0.5	1	3.5		No action
		EPAMW13	Y30C8	N	16-Nov-06	2.7		µg/L		0.5	1	2.7		No action
Volatile Organics (CLP)	1,1-Dichloroethene	EQUP-BLKE	Y3QQ1	EB	16-Nov-07	0.083	J	µg/L		0.5	1			
		EPAMW11	Y3QQ0	N	16-Nov-07	2.4		µg/L		0.5	1	2.4		No action
		EPAMW18	Y3QP8	N	16-Nov-07	0.085	J	µg/L		0.5	1	**0.085**	**U**	Nondetect at reported concentration
Volatile Organics (CLP)	Acetone	EQUP-BLKE	Y3QQ1	EB	16-Nov-07	63		µg/L		5	1			
		EPAMW11	Y3QQ0	N	16-Nov-07	5	U	µg/L		5	1	5	U	No action
		EPAMW18	Y3QP8	N	16-Nov-07	5	U	µg/L		5	1	5	U	No action
Volatile Organics (CLP)	Chloroform	EQUP-BLKE	Y3QQ1	EB	16-Nov-07	0.11	J	µg/L		0.5	1			
		EPAMW11	Y3QQ0	N	16-Nov-07	1		µg/L		0.5	1	1		No action
		EPAMW18	Y3QP8	N	16-Nov-07	0.2	J	µg/L		0.5	1	**0.2**	**U**	Nondetect at reported concentration
Volatile Organics (CLP)	Methylene Chloride	EQUP-BLKE	Y3QQ1	EB	16-Nov-07	0.27	J	µg/L		0.5	1			
		EPAMW11	Y3QQ0	N	16-Nov-07	0.28	J	µg/L		0.5	1	**0.28**	**U**	Nondetect at reported concentration
		EPAMW18	Y3QP8	N	16-Nov-07	0.26	J	µg/L		0.5	1	**0.26**	**U**	Nondetect at reported concentration
Volatile Organics (CLP)	Tert-Butyl Alcohol	EQUP-BLKE	Y3QQ1	EB	16-Nov-07	17		µg/L		5	1			
		EPAMW11	Y3QQ0	N	16-Nov-07	5	U	µg/L		5	1	5	U	No action
		EPAMW18	Y3QP8	N	16-Nov-07	5	U	µg/L		5	1	5	U	No action
Volatile Organics (CLP)	Toluene	EQUP-BLKE	Y3QQ1	EB	16-Nov-07	0.29	J	µg/L		0.5	1			
		EPAMW11	Y3QQ0	N	16-Nov-07	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW18	Y3QP8	N	16-Nov-07	0.076	J	µg/L		0.5	1	**0.076**	**U**	Nondetect at reported concentration
EPA Method 160.1	Total Dissolved Solids	EQUP-BLKE	Y3QQ1	EB	16-Nov-07	10	J	mg/L	10	20	1			
		EPAMW11	Y3QQ0	N	16-Nov-07	700		mg/L	10	20	1	**700**	**J**	Estimated at the reported concentrations
		EPAMW18	Y3QP8	N	16-Nov-07	420		mg/L	10	20	1	**420**	**J**	Estimated at the reported concentrations
Volatile Organics (CLP)	Acetone	EQUP-BLKE	Y2919	EB	17-Nov-05	4.5	J	µg/L		5	1			
		1900012	Y2915	N	17-Nov-05	5	U	µg/L		5	1	5	U	No action
		EPAMW14	Y2918	N	17-Nov-05	5.1	J	µg/L		5	1	**5.1**	**U**	Nondetect at reported concentration
Volatile Organics (CLP)	Toluene	EQUP-BLKE	Y2919	EB	17-Nov-05	0.29	J	µg/L		0.5	1			
		1900012	Y2915	N	17-Nov-05	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW14	Y2918	N	17-Nov-05	0.5	U	µg/L		0.5	1	0.5	U	No action
Volatile Organics (CLP)	Total Xylenes	EQUP-BLKE	Y2919	EB	17-Nov-05	0.69		µg/L		0.5	1			
		1900012	Y2915	N	17-Nov-05	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW14	Y2918	N	17-Nov-05	0.5	U	µg/L		0.5	1	0.5	U	No action

Notes:
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mg/L = milligram(s) per liter
µg/L = microgram(s) per liter
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J = Estimated Value
L = Result May be Biased Low
LJ = Estimated Value, Result May be Biased Low
R = Rejected
U = Non-Detect
UJ = Non-Detect Estimated Value
UR = Rejected Non-Detect

TABLE C-3
Field Blank Evaluation
Remedial Investigation
San Gabriel Valley Area 3 Superfund Site

Method	Parameter	Location	Original Sample ID	QA/QC Type	Sample Date	Result	Q	Units	DL	RL	Dilution	Final Result	Final Qualifier	Comment
Volatile Organics (CLP)	2-Butanone	EQUP-BLKE	Y30D7	EB	17-Nov-06	2.3	J	µg/L		5	1			
		EPAMW16	Y30D0	N	17-Nov-06	5	U	µg/L		5	1	5	U	No action
		EPAMW16	Y30D1	N	17-Nov-06	13		µg/L		5	1	13		No action
		EPAMW16	Y30D2	N	17-Nov-06	5	U	µg/L		5	1	5	U	No action
		EPAMW16	Y30D3	N	17-Nov-06	5	U	µg/L		5	1	5	U	No action
		EPAMW16	Y30D4	N	17-Nov-06	5	U	µg/L		5	1	5	U	No action
		EPAMW16	Y30D5	N	17-Nov-06	5	U	µg/L		5	1	5	U	No action
		EPAMW16	Y30D6	N	17-Nov-06	5	U	µg/L		5	1	5	U	No action
Volatile Organics (CLP)	m,p-Xylene	EQUP-BLKE	Y30D7	EB	17-Nov-06	0.01	J	µg/L		0.5	1			
		EPAMW16	Y30D0	N	17-Nov-06	0.015	J	µg/L		0.5	1	**0.015**	**U**	Nondetect at reported concentration
		EPAMW16	Y30D1	N	17-Nov-06	0.02	J	µg/L		0.5	1	**0.02**	**U**	Nondetect at reported concentration
		EPAMW16	Y30D2	N	17-Nov-06	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW16	Y30D3	N	17-Nov-06	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW16	Y30D4	N	17-Nov-06	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW16	Y30D5	N	17-Nov-06	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW16	Y30D6	N	17-Nov-06	0.0071	J	µg/L		0.5	1	**0.0071**	**U**	Nondetect at reported concentration
Volatile Organics (CLP)	Methylene Chloride	EQUP-BLKE	Y30D7	EB	17-Nov-06	1.2		µg/L		0.5	1			
		EPAMW16	Y30D0	N	17-Nov-06	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW16	Y30D1	N	17-Nov-06	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW16	Y30D2	N	17-Nov-06	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW16	Y30D3	N	17-Nov-06	0.24	J	µg/L		0.5	1	**0.24**	**U**	Nondetect at reported concentration
		EPAMW16	Y30D4	N	17-Nov-06	0.21	J	µg/L		0.5	1	**0.21**	**U**	Nondetect at reported concentration
		EPAMW16	Y30D5	N	17-Nov-06	0.18	J	µg/L		0.5	1	**0.18**	**U**	Nondetect at reported concentration
		EPAMW16	Y30D6	N	17-Nov-06	1.2		µg/L		0.5	1	1.2		No action
Volatile Organics (CLP)	Toluene	EQUP-BLKE	Y30D7	EB	17-Nov-06	0.67		µg/L		0.5	1			
		EPAMW16	Y30D0	N	17-Nov-06	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW16	Y30D1	N	17-Nov-06	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW16	Y30D2	N	17-Nov-06	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW16	Y30D3	N	17-Nov-06	0.044	J	µg/L		0.5	1	**0.044**	**U**	Nondetect at reported concentration
		EPAMW16	Y30D4	N	17-Nov-06	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW16	Y30D5	N	17-Nov-06	0.036	J	µg/L		0.5	1	**0.036**	**U**	Nondetect at reported concentration
		EPAMW16	Y30D6	N	17-Nov-06	0.029	J	µg/L		0.5	1	**0.029**	**U**	Nondetect at reported concentration
Volatile Organics (CLP)	Acetone	EQUP-BLKE	Y2921	EB	18-Nov-05	5		µg/L		5	1			
		EPAMW13	Y2920	N	18-Nov-05	6.9		µg/L		5	1	**6.9**	**U**	Nondetect at reported concentration
Volatile Organics (CLP)	Toluene	EQUP-BLKE	Y2921	EB	18-Nov-05	0.15	J	µg/L		0.5	1			
		EPAMW13	Y2920	N	18-Nov-05	0.5	U	µg/L		0.5	1	0.5	U	No action
EPA Method 300.0	Nitrate (As N)	EQUP-BLKE	Y3QQ4	EB	19-Nov-07	3.8		mg/L	0.05	0.1	1			
		EPAMW12A	Y3QQ3	N	19-Nov-07	0.1	U	mg/L	0.05	0.1	1	0.1	U	No action
		EPAMW17	Y3QQ2	N	19-Nov-07	0.1	U	mg/L	0.05	0.1	1	0.1	U	No action
Volatile Organics (CLP)	1,1-Dichloroethene	EQUP-BLKE	Y3QQ4	EB	19-Nov-07	0.085	J	µg/L		0.5	1			
		EPAMW12A	Y3QQ3	N	19-Nov-07	1.6		µg/L		0.5	1	1.6		No action
		EPAMW17	Y3QQ2	N	19-Nov-07	0.07	J	µg/L		0.5	1	**0.07**	**U**	Nondetect at reported concentration
Volatile Organics (CLP)	2-Butanone	EQUP-BLKE	Y3QQ4	EB	19-Nov-07	1.9	J	µg/L		5	1			
		EPAMW12A	Y3QQ3	N	19-Nov-07	0.37	J	µg/L		5	1	**0.37**	**U**	Nondetect at reported concentration
		EPAMW17	Y3QQ2	N	19-Nov-07	5	U	µg/L		5	1	5	U	No action
Volatile Organics (CLP)	Acetone	EQUP-BLKE	Y3QQ4	EB	19-Nov-07	2.4	J	µg/L		5	1			
		EPAMW12A	Y3QQ3	N	19-Nov-07	5	U	µg/L		5	1	5	U	No action
		EPAMW17	Y3QQ2	N	19-Nov-07	0.83	J	µg/L		5	1	**0.83**	**U**	Nondetect at reported concentration

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U = Non-Detect
UJ = Non-Detect Estimated Value
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TABLE C-3
Field Blank Evaluation
Remedial Investigation
San Gabriel Valley Area 3 Superfund Site

Method	Parameter	Location	Original Sample ID	QA/QC Type	Sample Date	Result	Q	Units	DL	RL	Dilution	Final Result	Final Qualifier	Comment
Volatile Organics (CLP)	Chloroform	EQUP-BLKE	Y3QQ4	EB	19-Nov-07	0.067	J	µg/L		0.5	1			
		EPAMW12A	Y3QQ3	N	19-Nov-07	0.61		µg/L		0.5	1	0.61		No action
		EPAMW17	Y3QQ2	N	19-Nov-07	0.66		µg/L		0.5	1	0.66		No action
Volatile Organics (CLP)	Chloromethane	EQUP-BLKE	Y3QQ4	EB	19-Nov-07	0.084	J	µg/L		0.5	1			
		EPAMW12A	Y3QQ3	N	19-Nov-07	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW17	Y3QQ2	N	19-Nov-07	0.5	U	µg/L		0.5	1	0.5	U	No action
Volatile Organics (CLP)	m,p-Xylene	EQUP-BLKE	Y3QQ4	EB	19-Nov-07	0.052	J	µg/L		0.5	1			
		EPAMW12A	Y3QQ3	N	19-Nov-07	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW17	Y3QQ2	N	19-Nov-07	0.5	U	µg/L		0.5	1	0.5	U	No action
Volatile Organics (CLP)	Methylene Chloride	EQUP-BLKE	Y3QQ4	EB	19-Nov-07	0.24	J	µg/L		0.5	1			
		EPAMW12A	Y3QQ3	N	19-Nov-07	0.25	J	µg/L		0.5	1	**0.25**	**U**	Nondetect at reported concentration
		EPAMW17	Y3QQ2	N	19-Nov-07	0.26	J	µg/L		0.5	1	**0.26**	**U**	Nondetect at reported concentration
Volatile Organics (CLP)	Toluene	EQUP-BLKE	Y3QQ4	EB	19-Nov-07	0.16	J	µg/L		0.5	1			
		EPAMW12A	Y3QQ3	N	19-Nov-07	1.2		µg/L		0.5	1	1.2		No action
		EPAMW17	Y3QQ2	N	19-Nov-07	0.066	J	µg/L		0.5	1	**0.066**	**U**	Nondetect at reported concentration
Volatile Organics (CLP)	Acetone	EQUP-BLKE	Y30E2	EB	20-Nov-06	1.4	J	µg/L		5	1			
		EPAMW15	Y30D9	N	20-Nov-06	5	U	µg/L		5	1	5	U	No action
		EPAMW15	Y30E0	D	20-Nov-06	5	U	µg/L		5	1	5	U	No action
		EPAMW15	Y30E1	N	20-Nov-06	5	U	µg/L		5	1	5	U	No action
		EPAMW17	Y30D8	N	20-Nov-06	5	U	µg/L		5	1	5	U	No action
Volatile Organics (CLP)	Ethylbenzene	EQUP-BLKE	Y30E2	EB	20-Nov-06	0.013	J	µg/L		0.5	1			
		EPAMW15	Y30D9	N	20-Nov-06	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW15	Y30E0	D	20-Nov-06	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW15	Y30E1	N	20-Nov-06	0.017	J	µg/L		0.5	1	**0.017**	**U**	Nondetect at reported concentration
		EPAMW17	Y30D8	N	20-Nov-06	0.5	U	µg/L		0.5	1	0.5	U	No action
Volatile Organics (CLP)	m,p-Xylene	EQUP-BLKE	Y30E2	EB	20-Nov-06	0.025	J	µg/L		0.5	1			
		EPAMW15	Y30D9	N	20-Nov-06	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW15	Y30E0	D	20-Nov-06	0.032	J	µg/L		0.5	1	**0.032**	**U**	Nondetect at reported concentration
		EPAMW15	Y30E1	N	20-Nov-06	0.023	J	µg/L		0.5	1	**0.023**	**U**	Nondetect at reported concentration
		EPAMW17	Y30D8	N	20-Nov-06	0.5	U	µg/L		0.5	1	0.5	U	No action
Volatile Organics (CLP)	Toluene	EQUP-BLKE	Y30E2	EB	20-Nov-06	0.53		µg/L		0.5	1			
		EPAMW15	Y30D9	N	20-Nov-06	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW15	Y30E0	D	20-Nov-06	0.035	J	µg/L		0.5	1	**0.035**	**U**	Nondetect at reported concentration
		EPAMW15	Y30E1	N	20-Nov-06	0.029	J	µg/L		0.5	1	**0.029**	**U**	Nondetect at reported concentration
		EPAMW17	Y30D8	N	20-Nov-06	0.5	U	µg/L		0.5	1	0.5	U	No action
Volatile Organics (CLP)	Acetone	EQUP-BLKE	Y2923	EB	21-Nov-05	2.8	J	µg/L		5	1			
		EPAMW13	Y2922	N	21-Nov-05	5	UJ	µg/L		5	1	5	UJ	No action
		EPAMW13	Y2924	N	21-Nov-05	5	UJ	µg/L		5	1	5	UJ	No action
Volatile Organics (CLP)	Chloromethane	EQUP-BLKE	Y2923	EB	21-Nov-05	0.6		µg/L		0.5	1			
		EPAMW13	Y2922	N	21-Nov-05	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW13	Y2924	N	21-Nov-05	0.76		µg/L		0.5	1	0.76		No action
Volatile Organics (CLP)	Methylene Chloride	EQUP-BLKE	Y2923	EB	21-Nov-05	0.96		µg/L		0.5	1			
		EPAMW13	Y2922	N	21-Nov-05	1		µg/L		0.5	1	1		No action
		EPAMW13	Y2924	N	21-Nov-05	0.91		µg/L		0.5	1	**0.91**	**U**	Nondetect at reported concentration
Volatile Organics (CLP)	Toluene	EQUP-BLKE	Y2923	EB	21-Nov-05	0.26	J	µg/L		0.5	1			
		EPAMW13	Y2922	N	21-Nov-05	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW13	Y2924	N	21-Nov-05	0.5	U	µg/L		0.5	1	0.5	U	No action

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FB = Field Blank
N = Primary Sample
mg/L = milligram(s) per liter
µg/L = microgram(s) per liter
ng/L = nanogram(s) per liter

J = Estimated Value
L = Result May be Biased Low
LJ = Estimated Value, Result May be Biased Low
R = Rejected
U = Non-Detect
UJ = Non-Detect Estimated Value
UR = Rejected Non-Detect

TABLE C-3
Field Blank Evaluation
Remedial Investigation
San Gabriel Valley Area 3 Superfund Site

Method	Parameter	Location	Original Sample ID	QA/QC Type	Sample Date	Result	Q	Units	DL	RL	Dilution	Final Result	Final Qualifier	Comment
Volatile Organics (CLP)	Total Xylenes	EQUP-BLKE	Y2923	EB	21-Nov-05	0.28	J	µg/L		0.5	1			
		EPAMW13	Y2922	N	21-Nov-05	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW13	Y2924	N	21-Nov-05	0.5	U	µg/L		0.5	1	0.5	U	No action
Dissolved Metal (CLP)	Beryllium	EQUP-BLKE	MY2926	EB	22-Nov-05	0.07	J	µg/L	0.058	1	1			
		EPAMW13	MY2922	N	21-Nov-05	1	U	µg/L	0.058	1	1	1	U	No action
		EPAMW13	MY2924	N	21-Nov-05	1	U	µg/L	0.058	1	1	1	U	No action
		EPAMW13	MY2925	N	22-Nov-05	1	U	µg/L	0.058	1	1	1	U	No action
		EPAMW13	MY2927	N	22-Nov-05	1	U	µg/L	0.058	1	1	1	U	No action
Dissolved Metal (CLP)	Copper	EQUP-BLKE	MY2926	EB	22-Nov-05	2.6		µg/L	0.37	2	1			
		EPAMW13	MY2922	N	21-Nov-05	1.1	J	µg/L	0.37	2	1	**1.1**	**U**	Nondetect at reported concentration
		EPAMW13	MY2924	N	21-Nov-05	0.51	J	µg/L	0.37	2	1	**0.51**	**U**	Nondetect at reported concentration
		EPAMW13	MY2925	N	22-Nov-05	2	U	µg/L	0.37	2	1	2	U	No action
		EPAMW13	MY2927	N	22-Nov-05	2	U	µg/L	0.37	2	1	2	U	No action
Dissolved Metal (CLP)	Molybdenum	EQUP-BLKE	MY2926	EB	22-Nov-05	0.07	J	µg/L	0.047	1	1			
		EPAMW13	MY2922	N	21-Nov-05	10.1		µg/L	0.047	1	1	**10.1**	**J**	Estimated at reported concentration
		EPAMW13	MY2924	N	21-Nov-05	8.7		µg/L	0.047	1	1	**8.7**	**J**	Estimated at reported concentration
		EPAMW13	MY2925	N	22-Nov-05	4.6		µg/L	0.047	1	1	**4.6**	**J**	Estimated at reported concentration
		EPAMW13	MY2927	N	22-Nov-05	4.7		µg/L	0.047	1	1	**4.7**	**J**	Estimated at reported concentration
Dissolved Metal (CLP)	Vanadium	EQUP-BLKE	MY2926	EB	22-Nov-05	0.04	J	µg/L	0.026	1	1			
		EPAMW13	MY2922	N	21-Nov-05	0.83	J	µg/L	0.026	1	1	0.83	U	Nondetect at reported concentration
		EPAMW13	MY2924	N	21-Nov-05	3.3		µg/L	0.026	1	1	**3.3**	**J**	Estimated at reported concentration
		EPAMW13	MY2925	N	22-Nov-05	5.6		µg/L	0.026	1	1	**5.6**	**J**	Estimated at reported concentration
		EPAMW13	MY2927	N	22-Nov-05	4.5		µg/L	0.026	1	1	**4.5**	**J**	Estimated at reported concentration
Dissolved Metal (CLP)	Zinc	EQUP-BLKE	MY2926	EB	22-Nov-05	1.8	J	µg/L	0.71	2	1			
		EPAMW13	MY2922	N	21-Nov-05	2.3		µg/L	0.71	2	1	**2.3**	**J**	Estimated at reported concentration
		EPAMW13	MY2924	N	21-Nov-05	5.7		µg/L	0.71	2	1	**5.7**	**J**	Estimated at reported concentration
		EPAMW13	MY2925	N	22-Nov-05	37.6		µg/L	0.71	2	1	**37.6**	**J**	Estimated at reported concentration
		EPAMW13	MY2927	N	22-Nov-05	9.8		µg/L	0.71	2	1	**9.8**	**J**	Estimated at reported concentration
Volatile Organics (CLP)	Methylene Chloride	EQUP-BLKE	Y2929	EB	28-Nov-05	1.4		µg/L		0.5	1			
		EPAMW15	Y2928	N	28-Nov-05	1.1		µg/L		0.5	1	**1.1**	**U**	Nondetect at reported concentration
		EPAMW15	Y2930	N	28-Nov-05	1.4		µg/L		0.5	1	1.4		No action
Dissolved Metal (CLP)	Arsenic	EQUP-BLKE	MY2929	EB	28-Nov-05	0.08	J	µg/L	0.041	1	1			
		EPAMW15	MY2928	N	28-Nov-05	2		µg/L	0.041	1	1	**2**	**J**	Estimated at reported concentration
		EPAMW15	MY2930	N	28-Nov-05	1.4		µg/L	0.041	1	1	**1.4**	**J**	Estimated at reported concentration
Dissolved Metal (CLP)	Chromium (Total)	EQUP-BLKE	MY2929	EB	28-Nov-05	0.07	J	µg/L	0.058	2	1			
		EPAMW15	MY2928	N	28-Nov-05	0.2	J	µg/L	0.058	2	1	**0.2**	**U**	Nondetect at reported concentration
		EPAMW15	MY2930	N	28-Nov-05	0.13	J	µg/L	0.058	2	1	**0.13**	**U**	Nondetect at reported concentration
Dissolved Metal (CLP)	Copper	EQUP-BLKE	MY2929	EB	28-Nov-05	0.63	J	µg/L	0.37	2	1			
		EPAMW15	MY2928	N	28-Nov-05	0.94	J	µg/L	0.37	2	1	**0.94**	**U**	Nondetect at reported concentration
		EPAMW15	MY2930	N	28-Nov-05	0.6	J	µg/L	0.37	2	1	**6**	**U**	Nondetect at reported concentration
Dissolved Metal (CLP)	Nickel	EQUP-BLKE	MY2929	EB	28-Nov-05	0.35	J	µg/L	0.18	1	1			
		EPAMW15	MY2928	N	28-Nov-05	0.57	J	µg/L	0.18	1	1	**0.57**	**U**	Nondetect at reported concentration
		EPAMW15	MY2930	N	28-Nov-05	0.7	J	µg/L	0.18	1	1	**0.7**	**U**	Nondetect at reported concentration
Dissolved Metal (CLP)	Selenium	EQUP-BLKE	MY2929	EB	28-Nov-05	0.37	J	µg/L	0.14	5	1			
		EPAMW15	MY2928	N	28-Nov-05	0.41	J	µg/L	0.14	5	1	**0.41**	**U**	Nondetect at reported concentration
		EPAMW15	MY2930	N	28-Nov-05	0.4	J	µg/L	0.14	5	1	**0.4**	**U**	Nondetect at reported concentration

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J = Estimated Value
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TABLE C-3
Field Blank Evaluation
Remedial Investigation
San Gabriel Valley Area 3 Superfund Site

Method	Parameter	Location	Original Sample ID	QA/QC Type	Sample Date	Result	Q	Units	DL	RL	Dilution	Final Result	Final Qualifier	Comment
Dissolved Metal (CLP)	Zinc	EQUP-BLKE	MY2929	EB	28-Nov-05	4.3	J	µg/L	0.71	2	1			
		EPAMW15	MY2928	N	28-Nov-05	12.1	J	µg/L	0.71	2	1	12.1	J	No action
		EPAMW15	MY2930	N	28-Nov-05	12.3	J	µg/L	0.71	2	1	12.3	J	No action
Volatile Organics (CLP)	Acetone	EQUP-BLKE	Y2932	EB	29-Nov-05	2.3	J	µg/L		5	1			
		EPAMW15	Y2933	N	29-Nov-05	5	U	µg/L		5	1	5	U	No action
		EPAMW15	Y2934	N	29-Nov-05	2.4	J	µg/L		5	1	**2.4**	**U**	Nondetect at reported concentration
Volatile Organics (CLP)	Methylene Chloride	EQUP-BLKE	Y2932	EB	29-Nov-05	0.87	J	µg/L		0.5	1			
		EPAMW15	Y2933	N	29-Nov-05	0.58	J	µg/L		0.5	1	**0.58**	**U**	Nondetect at reported concentration
		EPAMW15	Y2934	N	29-Nov-05	0.5	UJ	µg/L		0.5	1	0.5	UJ	No action
Dissolved Metal (CLP)	Arsenic	EQUP-BLKE	MY2932	EB	29-Nov-05	0.05	J	µg/L	0.041	1	1			
		EPAMW15	MY2933	N	29-Nov-05	0.5	J	µg/L	0.041	1	1	**0.5**	**U**	Nondetect at reported concentration
		EPAMW15	MY2934	N	29-Nov-05	0.62	J	µg/L	0.041	1	1	**0.62**	**U**	Nondetect at reported concentration
Dissolved Metal (CLP)	Chromium (Total)	EQUP-BLKE	MY2932	EB	29-Nov-05	0.17	J	µg/L	0.058	2	1			
		EPAMW15	MY2933	N	29-Nov-05	6.6		µg/L	0.058	2	1	**6.6**	**J**	Estimated at reported concentration
		EPAMW15	MY2934	N	29-Nov-05	2.3		µg/L	0.058	2	1	**2.3**	**J**	Estimated at reported concentration
Dissolved Metal (CLP)	Copper	EQUP-BLKE	MY2932	EB	29-Nov-05	0.81	J	µg/L	0.37	2	1			
		EPAMW15	MY2933	N	29-Nov-05	0.97	J	µg/L	0.37	2	1	**0.97**	**U**	Nondetect at reported concentration
		EPAMW15	MY2934	N	29-Nov-05	1.6	J	µg/L	0.37	2	1	**1.6**	**U**	Nondetect at reported concentration
Dissolved Metal (CLP)	Nickel	EQUP-BLKE	MY2932	EB	29-Nov-05	0.26	J	µg/L	0.18	1	1			
		EPAMW15	MY2933	N	29-Nov-05	0.7	J	µg/L	0.18	1	1	**0.7**	**U**	Nondetect at reported concentration
		EPAMW15	MY2934	N	29-Nov-05	1.6		µg/L	0.18	1	1	**1.6**	**J**	Estimated at reported concentration
Dissolved Metal (CLP)	Selenium	EQUP-BLKE	MY2932	EB	29-Nov-05	0.21	J	µg/L	0.14	5	1			
		EPAMW15	MY2933	N	29-Nov-05	0.24	J	µg/L	0.14	5	1	**0.24**	**U**	Nondetect at reported concentration
		EPAMW15	MY2934	N	29-Nov-05	0.41	J	µg/L	0.14	5	1	**0.41**	**U**	Nondetect at reported concentration
Dissolved Metal (CLP)	Zinc	EQUP-BLKE	MY2932	EB	29-Nov-05	13.6	J	µg/L	0.71	2	1			
		EPAMW15	MY2933	N	29-Nov-05	12	J	µg/L	0.71	2	1	12	J	No action
		EPAMW15	MY2934	N	29-Nov-05	12.8	J	µg/L	0.71	2	1	12.8	J	No action
Volatile Organics (CLP)	Methylene Chloride	EQUP-BLKE	Y2936	EB	30-Nov-05	1.1		µg/L		0.5	1			
		EPAMW15	Y2937	N	30-Nov-05	1		µg/L		0.5	1	**1**	**U**	Nondetect at reported concentration
Dissolved Metal (CLP)	Copper	EQUP-BLKE	MY2936	EB	30-Nov-05	0.62	J	µg/L	0.37	2	1			
		EPAMW15	MY2937	N	30-Nov-05	3.1	J	µg/L	0.37	2	1	3.1	J	No action
Dissolved Metal (CLP)	Nickel	EQUP-BLKE	MY2936	EB	30-Nov-05	0.25	J	µg/L	0.18	1	1			
		EPAMW15	MY2937	N	30-Nov-05	2.9		µg/L	0.18	1	1	2.9	J	Nondetect at reported concentration
Dissolved Metal (CLP)	Zinc	EQUP-BLKE	MY2936	EB	30-Nov-05	2.9	J	µg/L	0.71	2	1			
		EPAMW15	MY2937	N	30-Nov-05	5.3	J	µg/L	0.71	2	1	**5.3**	**J**	No action
Volatile Organics (CLP)	1,1-Dichloroethene	EQUP-BLKE	Y1JD7	EB	09-Nov-04	0.1	LJ	µg/L		0.5	1			
		EPAMW11	Y1JB6	N	09-Nov-04	3.3		µg/L		0.5	1	3.3		No action
		EPAMW11	Y1JD8	D	09-Nov-04	3.6		µg/L		0.5	1	3.6		No action
		EPAMW14	Y1JD3	N	09-Nov-04	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW14	Y1JD4	N	09-Nov-04	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW14	Y1JD5	N	09-Nov-04	0.95		µg/L		0.5	1	0.95		No action
		EPAMW14	Y1JD6	N	09-Nov-04	0.5	U	µg/L		0.5	1	0.5	U	No action

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TABLE C-3
Field Blank Evaluation
Remedial Investigation
San Gabriel Valley Area 3 Superfund Site

Method	Parameter	Location	Original Sample ID	QA/QC Type	Sample Date	Result	Q	Units	DL	RL	Dilution	Final Result	Final Qualifier	Comment
Volatile Organics (CLP)	Chloromethane	EQUP-BLKE	Y1JD7	EB	09-Nov-04	0.19	LJ	µg/L		0.5	1			
		EPAMW11	Y1JB6	N	09-Nov-04	0.5	U	µg/L		8.3	1	0.5	U	No action
		EPAMW11	Y1JD8	D	09-Nov-04	0.5	UJ	µg/L		0.5	1	0.5	UJ	No action
		EPAMW14	Y1JD3	N	09-Nov-04	0.5	UJ	µg/L		0.5	1	0.5	UJ	No action
		EPAMW14	Y1JD4	N	09-Nov-04	0.5	UJ	µg/L		0.5	1	0.5	UJ	No action
		EPAMW14	Y1JD5	N	09-Nov-04	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW14	Y1JD6	N	09-Nov-04	1	J	µg/L		0.5	1	1	J	No action
Volatile Organics (CLP)	Toluene	EQUP-BLKE	Y1JD7	EB	09-Nov-04	0.11	LJ	µg/L		0.5	1			
		EPAMW11	Y1JB6	N	09-Nov-04	0.5	UJ	µg/L		0.5	1	0.5	UJ	No action
		EPAMW11	Y1JD8	D	09-Nov-04	0.5	UJ	µg/L		0.5	1	0.5	UJ	No action
		EPAMW14	Y1JD3	N	09-Nov-04	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW14	Y1JD4	N	09-Nov-04	0.5	UJ	µg/L		0.5	1	0.5	UJ	No action
		EPAMW14	Y1JD5	N	09-Nov-04	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW14	Y1JD6	N	09-Nov-04	0.5	UJ	µg/L		0.5	1	0.5	UJ	No action
Volatile Organics (CLP)	Acetone	EQUP-BLKE	Y2939	EB	01-Dec-05	3.9	J	µg/L		5	1			
		EPAMW15	Y2938	N	01-Dec-05	5	U	µg/L		5	1	5	U	No action
		EPAMW15	Y2940	D	01-Dec-05	2.6	J	µg/L		5	1	**2.6**	**U**	Nondetect at reported concentration
Volatile Organics (CLP)	Chloromethane	EQUP-BLKE	Y2939	EB	01-Dec-05	0.3	J	µg/L		0.5	1			
		EPAMW15	Y2938	N	01-Dec-05	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW15	Y2940	D	01-Dec-05	0.5	U	µg/L		0.5	1	0.5	U	No action
Volatile Organics (CLP)	Ethylbenzene	EQUP-BLKE	Y2939	EB	01-Dec-05	0.34	J	µg/L		0.5	1			
		EPAMW15	Y2938	N	01-Dec-05	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW15	Y2940	D	01-Dec-05	0.5	U	µg/L		0.5	1	0.5	U	No
Volatile Organics (CLP)	Methylene Chloride	EQUP-BLKE	Y2939	EB	01-Dec-05	0.62		µg/L		0.5	1			
		EPAMW15	Y2938	N	01-Dec-05	0.7		µg/L		0.5	1	**0.7**	**U**	Nondetect at reported concentration
		EPAMW15	Y2940	D	01-Dec-05	0.53		µg/L		0.5	1	**0.53**	**U**	Nondetect at reported concentration
Volatile Organics (CLP)	Toluene	EQUP-BLKE	Y2939	EB	01-Dec-05	0.66		µg/L		0.5	1			
		EPAMW15	Y2938	N	01-Dec-05	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW15	Y2940	D	01-Dec-05	0.5	U	µg/L		0.5	1	0.5	U	No action
Volatile Organics (CLP)	Total Xylenes	EQUP-BLKE	Y2939	EB	01-Dec-05	1.8		µg/L		0.5	1			
		EPAMW15	Y2938	N	01-Dec-05	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW15	Y2940	D	01-Dec-05	0.5	U	µg/L		0.5	1	0.5	U	No action
Dissolved Metal (CLP)	Chromium (Total)	EQUP-BLKE	MY2939	EB	01-Dec-05	0.31	J	µg/L	0.058	2	1			
		EPAMW15	MY2938	N	01-Dec-05	5.7		µg/L	0.058	2	1	**5.7**	**J**	Estimated at reported concentration
		EPAMW15	MY2940	D	01-Dec-05	6.2		µg/L	0.058	2	1	**6.2**	**J**	Estimated at reported concentration
Dissolved Metal (CLP)	Copper	EQUP-BLKE	MY2939	EB	01-Dec-05	1.2	J	µg/L	0.37	2	1			
		EPAMW15	MY2938	N	01-Dec-05	1.4	J	µg/L	0.37	2	1	**1.4**	**U**	Nondetect at reported concentration
		EPAMW15	MY2940	D	01-Dec-05	0.77	J	µg/L	0.37	2	1	**0.77**	**U**	Nondetect at reported concentration
Dissolved Metal (CLP)	Nickel	EQUP-BLKE	MY2939	EB	01-Dec-05	0.48	J	µg/L	0.18	1	1			
		EPAMW15	MY2938	N	01-Dec-05	0.3	J	µg/L	0.18	1	1	**0.3**	**U**	Nondetect at reported concentration
		EPAMW15	MY2940	D	01-Dec-05	0.46	J	µg/L	0.18	1	1	**0.46**	**U**	Nondetect at reported concentration
Dissolved Metal (CLP)	Potassium	EQUP-BLKE	MY2939	EB	01-Dec-05	63.2	J	µg/L	38.7	5000	1			
		EPAMW15	MY2938	N	01-Dec-05	1790	J	µg/L	38.7	5000	1	**1790**	**U**	Nondetect at reported concentration
		EPAMW15	MY2940	D	01-Dec-05	1810	J	µg/L	38.7	5000	1	**1810**	**U**	Nondetect at reported concentration
Dissolved Metal (CLP)	Zinc	EQUP-BLKE	MY2939	EB	01-Dec-05	29.5	J	µg/L	0.71	2	1			
		EPAMW15	MY2938	N	01-Dec-05	16.6	J	µg/L	0.71	2	1	16.6	J	No action
		EPAMW15	MY2940	D	01-Dec-05	16.9	J	µg/L	0.71	2	1	16.9	J	No action

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ng/L = nanogram(s) per liter

J = Estimated Value
L = Result May be Biased Low
LJ = Estimated Value, Result May be Biased Low
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U = Non-Detect
UJ = Non-Detect Estimated Value
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TABLE C-3
Field Blank Evaluation
Remedial Investigation
San Gabriel Valley Area 3 Superfund Site

Method	Parameter	Location	Original Sample ID	QA/QC Type	Sample Date	Result	Q	Units	DL	RL	Dilution	Final Result	Final Qualifier	Comment
Volatile Organics (CLP)	Acetone	FLD-BLKE	Y2945	FB	02-Dec-05	2.9	J	µg/L		5	1			
		EPAMW11	Y2941	N	02-Dec-05	5	U	µg/L		5	1	5	U	No action
		EPAMW12A	Y2943	N	02-Dec-05	5	U	µg/L		5	1	5	U	No action
		EPAMW12A	Y2944	D	02-Dec-05	5	U	µg/L		5	1	5	U	No action
		EPAMW18	Y2942	N	02-Dec-05	1.9	J	µg/L		5	1	**1.9**	**U**	Nondetect at reported concentration
Volatile Organics (CLP)	Chloromethane	FLD-BLKE	Y2945	FB	02-Dec-05	0.21	J	µg/L		0.5	1			
		EPAMW11	Y2941	N	02-Dec-05	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW12A	Y2943	N	02-Dec-05	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW12A	Y2944	D	02-Dec-05	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW18	Y2942	N	02-Dec-05	0.5	U	µg/L		0.5	1	0.5	U	No action
Volatile Organics (CLP)	Ethylbenzene	FLD-BLKE	Y2945	FB	02-Dec-05	0.29	J	µg/L		0.5	1			
		EPAMW11	Y2941	N	02-Dec-05	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW12A	Y2943	N	02-Dec-05	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW12A	Y2944	D	02-Dec-05	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW18	Y2942	N	02-Dec-05	0.5	U	µg/L		0.5	1	0.5	U	No action
Volatile Organics (CLP)	Methylene Chloride	FLD-BLKE	Y2945	FB	02-Dec-05	3.7		µg/L		0.5	1			
		EPAMW11	Y2941	N	02-Dec-05	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW12A	Y2943	N	02-Dec-05	0.5	UJ	µg/L		0.5	1	0.5	UJ	No action
		EPAMW12A	Y2944	D	02-Dec-05	1		µg/L		0.5	1	**1**	**U**	Nondetect at reported concentration
		EPAMW18	Y2942	N	02-Dec-05	2.4		µg/L		0.5	1	**2.4**	**U**	Nondetect at reported concentration
Volatile Organics (CLP)	Toluene	FLD-BLKE	Y2945	FB	02-Dec-05	0.6		µg/L		0.5	1			
		EPAMW11	Y2941	N	02-Dec-05	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW12A	Y2943	N	02-Dec-05	0.55		µg/L		0.5	1	**0.55**	**U**	Nondetect at reported concentration
		EPAMW12A	Y2944	D	02-Dec-05	0.17	J	µg/L		0.5	1	**0.17**	**U**	Nondetect at reported concentration
		EPAMW18	Y2942	N	02-Dec-05	0.5	U	µg/L		0.5	1	0.5	U	No action
Volatile Organics (CLP)	Total Xylenes	FLD-BLKE	Y2945	FB	02-Dec-05	1.6		µg/L		0.5	1			
		EPAMW11	Y2941	N	02-Dec-05	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW12A	Y2943	N	02-Dec-05	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW12A	Y2944	D	02-Dec-05	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW18	Y2942	N	02-Dec-05	0.5	U	µg/L		0.5	1	0.5	U	No action
Dissolved Metal (CLP)	Arsenic	FLD-BLKE	MY2945	FB	02-Dec-05	0.07	J	µg/L	0.041	1	1			
		EPAMW11	MY2941	N	02-Dec-05	0.75	J	µg/L	0.041	1	1	**0.75**	**U**	Nondetect at reported concentration
		EPAMW12A	MY2943	N	02-Dec-05	0.84	J	µg/L	0.041	1	1	**0.84**	**U**	Nondetect at reported concentration
		EPAMW12A	MY2944	D	02-Dec-05	0.87	J	µg/L	0.041	1	1	**0.87**	**U**	Nondetect at reported concentration
Dissolved Metal (CLP)	Chromium (Total)	FLD-BLKE	MY2945	FB	02-Dec-05	0.1	J	µg/L	0.058	2	1			
		EPAMW11	MY2941	N	02-Dec-05	13.7		µg/L	0.058	2	1	**13.7**	**J**	Estimated at reported concentration
		EPAMW12A	MY2943	N	02-Dec-05	0.08	J	µg/L	0.058	2	1	**0.08**	**U**	Nondetect at reported concentration
		EPAMW12A	MY2944	D	02-Dec-05	0.09	J	µg/L	0.058	2	1	**0.09**	**U**	Nondetect at reported concentration
Dissolved Metal (CLP)	Nickel	FLD-BLKE	MY2945	FB	02-Dec-05	0.26	J	µg/L	0.18	1	1			
		EPAMW11	MY2941	N	02-Dec-05	0.48	J	µg/L	0.18	1	1	**0.48**	**U**	Nondetect at reported concentration
		EPAMW12A	MY2943	N	02-Dec-05	0.75	J	µg/L	0.18	1	1	**0.75**	**U**	Nondetect at reported concentration
		EPAMW12A	MY2944	D	02-Dec-05	0.8	J	µg/L	0.18	1	1	**0.8**	**U**	Nondetect at reported concentration
Dissolved Metal (CLP)	Selenium	FLD-BLKE	MY2945	FB	02-Dec-05	0.38	J	µg/L	0.14	5	1			
		EPAMW11	MY2941	N	02-Dec-05	2.3	J	µg/L	0.14	5	1	**2.3**	**U**	Nondetect at reported concentration
		EPAMW12A	MY2943	N	02-Dec-05	0.74	J	µg/L	0.14	5	1	**0.74**	**U**	Nondetect at reported concentration
		EPAMW12A	MY2944	D	02-Dec-05	0.61	J	µg/L	0.14	5	1	**0.61**	**U**	Nondetect at reported concentration

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TABLE C-3
Field Blank Evaluation
Remedial Investigation
San Gabriel Valley Area 3 Superfund Site

Method	Parameter	Location	Original Sample ID	QA/QC Type	Sample Date	Result	Q	Units	DL	RL	Dilution	Final Result	Final Qualifier	Comment
Dissolved Metal (CLP)	Zinc	FLD-BLKE	MY2945	FB	02-Dec-05	0.76	J	µg/L	0.71	2	1			
		EPAMW11	MY2941	N	02-Dec-05	3.6	J	µg/L	0.71	2	1	3.6	J	No action
		EPAMW12A	MY2943	N	02-Dec-05	2.9	J	µg/L	0.71	2	1	2.9	J	No action
		EPAMW12A	MY2944	D	02-Dec-05	4.2	J	µg/L	0.71	2	1	4.2	J	No action
Volatile Organics (CLP)	Ethylbenzene	EQUP-BLKE	Y2947	EB	06-Dec-05	0.24	J	µg/L		0.5	1			
		EPAMW17	Y2946	N	06-Dec-05	0.5	U	µg/L		0.5	1	0.5	U	No action
Volatile Organics (CLP)	Methylene Chloride	EQUP-BLKE	Y2947	EB	06-Dec-05	1.7		µg/L		0.5	1			
		EPAMW17	Y2946	N	06-Dec-05	2.5		µg/L		0.5	1	2.5		No action
Volatile Organics (CLP)	Toluene	EQUP-BLKE	Y2947	EB	06-Dec-05	0.44	J	µg/L		0.5	1			
		EPAMW17	Y2946	N	06-Dec-05	0.5	U	µg/L		0.5	1	0.5	U	No action
Volatile Organics (CLP)	Total Xylenes	EQUP-BLKE	Y2947	EB	06-Dec-05	1.4		µg/L		0.5	1			
		EPAMW17	Y2946	N	06-Dec-05	0.5	U	µg/L		0.5	1	0.5	U	No action
Volatile Organics (CLP)	cis-1,3-Dichloropropene	FLD-BLKE	Y1P15	FB	15-Feb-05	0.11	LJ	µg/L		8.4	1			
		1900012	Y1P13	N	14-Feb-05	0.11	LJ	µg/L		8.4	1	**0.11**	**U**	Nondetect at reported concentration
		1900012	Y1P14	D	14-Feb-05	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW11	Y1P10	N	15-Feb-05	8.3	UJ	µg/L		8.3	16.67	8.3	UJ	No action
		EPAMW12A	Y1P11	N	15-Feb-05	2.8	U	µg/L		2.8	5.55	2.8	U	No action
		EPAMW17	Y1P12	N	15-Feb-05	0.5	UJ	µg/L		0.5	1	0.5	UJ	No action
Volatile Organics (CLP)	Acetone	EQUP-BLKE	Y1P26	EB	16-Feb-05	2.6	LJ	µg/L		5	1			
		EPAMW13	Y1P16	N	16-Feb-05	5	UJ	µg/L		5	1	5	UJ	No action
		EPAMW13	Y1P17	N	16-Feb-05	5	UJ	µg/L		5	1	5	UJ	No action
		EPAMW13	Y1P18	N	16-Feb-05	5	UJ	µg/L		5	1	5	UJ	No action
		EPAMW13	Y1P19	N	16-Feb-05	5	UJ	µg/L		5	1	5	UJ	No action
		EPAMW13	Y1P20	N	16-Feb-05	5	UJ	µg/L		5	1	5	UJ	No action
		EPAMW14	Y1P21	N	16-Feb-05	5	UJ	µg/L		5	1	5	UJ	No action
		EPAMW14	Y1P22	N	16-Feb-05	5	UJ	µg/L		5	1	5	UJ	No action
		EPAMW14	Y1P23	D	16-Feb-05	5	UJ	µg/L		5	1	5	UJ	No action
		EPAMW14	Y1P24	N	16-Feb-05	18	UJ	µg/L		18	3.57	18	UJ	No action
		EPAMW14	Y1P25	N	16-Feb-05	5	UJ	µg/L		5	1	5	UJ	No action
Volatile Organics (CLP)	cis-1,3-Dichloropropene	EQUP-BLKE	Y1P26	EB	16-Feb-05	0.11	LJ	µg/L		8.4	1			
		EPAMW13	Y1P16	N	16-Feb-05	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW13	Y1P17	N	16-Feb-05	0.5	UJ	µg/L		0.5	1	0.5	UJ	No action
		EPAMW13	Y1P18	N	16-Feb-05	0.5	UJ	µg/L		0.5	1	0.5	UJ	No action
		EPAMW13	Y1P19	N	16-Feb-05	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW13	Y1P20	N	16-Feb-05	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW14	Y1P21	N	16-Feb-05	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW14	Y1P22	N	16-Feb-05	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW14	Y1P23	D	16-Feb-05	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW14	Y1P24	N	16-Feb-05	1.8	U	µg/L		1.8	3.57	1.8	U	No action
		EPAMW14	Y1P25	N	16-Feb-05	0.5	UJ	µg/L		0.5	1	0.5	UJ	No action
Volatile Organics (CLP)	2-Butanone	EQUP-BLKE	Y1P34	EB	17-Feb-05	3.4	J	µg/L		5	1			
		EPAMW15	Y1P27	N	17-Feb-05	5	U	µg/L		5	1	5	U	No action
		EPAMW15	Y1P28	N	17-Feb-05	5	U	µg/L		5	1	5	U	No action
		EPAMW15	Y1P29	N	17-Feb-05	5	UJ	µg/L		5	1	5	UJ	No action
		EPAMW15	Y1P30	N	17-Feb-05	5	U	µg/L		5	1	5	U	No action
		EPAMW15	Y1P31	N	17-Feb-05	5	U	µg/L		5	1	5	U	No action
		EPAMW15	Y1P32	N	17-Feb-05	5	U	µg/L		5	1	5	U	No action
		EPAMW15	Y1P33	D	17-Feb-05	5	U	µg/L		5	1	5	U	No action

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TABLE C-3
Field Blank Evaluation
Remedial Investigation
San Gabriel Valley Area 3 Superfund Site

Method	Parameter	Location	Original Sample ID	QA/QC Type	Sample Date	Result	Q	Units	DL	RL	Dilution	Final Result	Final Qualifier	Comment
Volatile Organics (CLP)	Methylene Chloride	EQUP-BLKE	Y1P34	EB	17-Feb-05	0.4	J	µg/L		0.5	1			
		EPAMW15	Y1P27	N	17-Feb-05	0.5	UJ	µg/L		0.5	1	0.5	UJ	No action
		EPAMW15	Y1P28	N	17-Feb-05	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW15	Y1P29	N	17-Feb-05	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW15	Y1P30	N	17-Feb-05	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW15	Y1P31	N	17-Feb-05	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW15	Y1P32	N	17-Feb-05	0.11	J	µg/L		0.5	1	**0.11**	**U**	Nondetect at reported concentration
		EPAMW15	Y1P33	D	17-Feb-05	0.42	J	µg/L		0.5	1	**0.42**	**U**	Nondetect at reported concentration
Volatile Organics (CLP)	1,2-Dibromoethane	FLD-BLKE	Y2DX5	FB	21-Feb-06	0.0019	LJ	µg/L		0.05	1			
		EPAMW17	Y2DX4	N	21-Feb-06	0.05	UJ	µg/L		0.05	1	0.05	UJ	No action
		EPAMW18	Y2DX6	N	21-Feb-06	0.5	U	µg/L		0.5	1	0.5	U	No action
Volatile Organics (CLP)	Acetone	FLD-BLKE	Y2DX5	FB	21-Feb-06	3	J	µg/L		5	1			
		EPAMW17	Y2DX4	N	21-Feb-06	5	U	µg/L		5	1	5	U	No action
		EPAMW18	Y2DX6	N	21-Feb-06	5	U	µg/L		5	1	5	U	No action
Volatile Organics (CLP)	Toluene	FLD-BLKE	Y2DX5	FB	21-Feb-06	0.86		µg/L		0.5	1			
		EPAMW17	Y2DX4	N	21-Feb-06	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW18	Y2DX6	N	21-Feb-06	0.5	U	µg/L		0.5	1	0.5	U	No action
Semivolatile Organics (CLP)	Naphthalene	FLD-BLKE	Y2DX5	FB	21-Feb-06	0.6		µg/L		5	1			
		EPAMW17	Y2DX4	N	21-Feb-06	6	U	µg/L		6	1	6	U	No action
Dissolved Metal (CLP)	Molybdenum	FLD-BLKE	Y2DX5	FB	21-Feb-06	0.11		µg/L	0.09	1	1			
		EPAMW17	Y2DX4	N	21-Feb-06	154		µg/L	0.09	1	1	**154**	**J**	Estimated at reported concentration
Dissolved Metal (CLP)	Nickel	FLD-BLKE	Y2DX5	FB	21-Feb-06	0.44	J	µg/L	0.29	1	1			
		EPAMW17	Y2DX4	N	21-Feb-06	3.9		µg/L	0.29	1	1	**3.9**	**J**	Estimated at reported concentration
Dissolved Metal (CLP)	Vanadium	FLD-BLKE	Y2DX5	FB	21-Feb-06	0.12	J	µg/L	0.04	1	1			
		EPAMW17	Y2DX4	N	21-Feb-06	2.3		µg/L	0.04	1	1	**2.3**	**J**	Estimated at reported concentration
Dissolved Metal (CLP)	Zinc	FLD-BLKE	Y2DX5	FB	21-Feb-06	0.68	J	µg/L	0.3	2	1			
		EPAMW17	Y2DX4	N	21-Feb-06	6.8		µg/L	0.3	2	1	**6.8**	**J**	Estimated at reported concentration
Volatile Organics (CLP)	1,2-Dibromoethane	EQUP-BLKE	Y2DX8	EB	22-Feb-06	0.0049	LJ	µg/L		0.05	1			
		EPAMW16	Y2DX7	N	22-Feb-06	0.05	UJ	µg/L		0.05	1	0.05	UJ	No action
		EPAMW16	Y2DX9	N	22-Feb-06	0.05	UJ	µg/L		0.05	1	0.05	UJ	No action
Volatile Organics (CLP)	Acetone	EQUP-BLKE	Y2DX8	EB	22-Feb-06	2.4	J	µg/L		5	1			
		EPAMW16	Y2DX7	N	22-Feb-06	5	U	µg/L		5	1	5	U	No action
		EPAMW16	Y2DX9	N	22-Feb-06	2.7	UJ	µg/L		5	1	2.7	UJ	No action
Volatile Organics (CLP)	Toluene	EQUP-BLKE	Y2DX8	EB	22-Feb-06	0.65		µg/L		0.5	1			
		EPAMW16	Y2DX7	N	22-Feb-06	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW16	Y2DX9	N	22-Feb-06	0.1	UJ	µg/L		0.5	1	0.1	UJ	No action
Dissolved Metal (CLP)	Molybdenum	EQUP-BLKE	Y2DX8	EB	22-Feb-06	1		µg/L	0.09	1	1			
		EPAMW16	Y2DX7	N	22-Feb-06	9.3		µg/L	0.09	1	1	**9.3**	**J**	Estimated at reported concentration
		EPAMW16	Y2DX9	N	22-Feb-06	5.5		µg/L	0.09	1	1	**5.5**	**J**	Estimated at reported concentration
Dissolved Metal (CLP)	Nickel	EQUP-BLKE	Y2DX8	EB	22-Feb-06	0.37	J	µg/L	0.29	1	1			
		EPAMW16	Y2DX7	N	22-Feb-06	0.71	J	µg/L	0.29	1	1	**0.71**	**U**	Nondect at reported concentration
		EPAMW16	Y2DX9	N	22-Feb-06	0.54	J	µg/L	0.29	1	1	**0.54**	**U**	Nondect at reported concentration
Dissolved Metal (CLP)	Vanadium	EQUP-BLKE	Y2DX8	EB	22-Feb-06	0.1	J	µg/L	0.04	1	1			
		EPAMW16	Y2DX7	N	22-Feb-06	1.2		µg/L	0.04	1	1	**1.2**	**J**	Estimated at reported concentration
		EPAMW16	Y2DX9	N	22-Feb-06	3.1		µg/L	0.04	1	1	**3.1**	**J**	Estimated at reported concentration
Dissolved Metal (CLP)	Zinc	EQUP-BLKE	Y2DX8	EB	22-Feb-06	2.1		µg/L	0.3	2	1			
		EPAMW16	Y2DX7	N	22-Feb-06	6.7		µg/L	0.3	2	1	**6.7**	**J**	Estimated at reported concentration
		EPAMW16	Y2DX9	N	22-Feb-06	4.8		µg/L	0.3	2	1	**4.8**	**J**	Estimated at reported concentration

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mg/L = milligram(s) per liter
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J = Estimated Value
L = Result May be Biased Low
LJ = Estimated Value, Result May be Biased Low
R = Rejected
U = Non-Detect
UJ = Non-Detect Estimated Value
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TABLE C-3
Field Blank Evaluation
Remedial Investigation
San Gabriel Valley Area 3 Superfund Site

Method	Parameter	Location	Original Sample ID	QA/QC Type	Sample Date	Result	Q	Units	DL	RL	Dilution	Final Result	Final Qualifier	Comment
EPA Method 300.0	Nitrate (As No3)	EQUP-BLKE	Y2DY1	EB	23-Feb-06	0.05	J	mg/L	0.05	0.1	1			
		EPAMW16	Y2DY0	N	23-Feb-06	0.38		mg/L	0.05	0.1	1	**0.38**	**J**	Estimated at reported concentration
		EPAMW16	Y2DY2	N	23-Feb-06	6.8		mg/L	0.05	0.1	1	**6.8**	**J**	Estimated at reported concentration
Volatile Organics (CLP)	1,2-Dibromoethane	EQUP-BLKE	Y2DY1	EB	23-Feb-06	0.002	LJ	µg/L		0.05	1			
		EPAMW16	Y2DY0	N	23-Feb-06	0.05	U	µg/L		0.05	1	0.05	U	No action
		EPAMW16	Y2DY2	N	23-Feb-06	0.05	UJ	µg/L		0.05	1	0.05	UJ	No action
Volatile Organics (CLP)	Toluene	EQUP-BLKE	Y2DY1	EB	23-Feb-06	0.62		µg/L		0.5	1			
		EPAMW16	Y2DY0	N	23-Feb-06	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW16	Y2DY2	N	23-Feb-06	0.12	UJ	µg/L		0.5	1	0.12	UJ	No action
Semivolatile Organics (CLP)	Bis(2-ethylhexyl)phthalate	EQUP-BLKE	Y2DY1	EB	23-Feb-06	0.8		µg/L		5	1			
		EPAMW16	Y2DY0	N	23-Feb-06	5	U	µg/L		5	1	5	U	No action
		EPAMW16	Y2DY2	N	23-Feb-06	3		µg/L		5	1	**3**	**U**	Nondect at reported concentration
Dissolved Metal (CLP)	Molybdenum	EQUP-BLKE	Y2DY1	EB	23-Feb-06	1		µg/L	0.09	1	1			
		EPAMW16	Y2DY0	N	23-Feb-06	9		µg/L	0.09	1	1	**9**	**J**	Estimated at reported concentration
		EPAMW16	Y2DY2	N	23-Feb-06	7.6		µg/L	0.09	1	1	**7.6**	**J**	Estimated at reported concentration
Dissolved Metal (CLP)	Potassium	EQUP-BLKE	Y2DY1	EB	23-Feb-06	34	J	µg/L	11.3	5000	1			
		EPAMW16	Y2DY0	N	23-Feb-06	1500	J	µg/L	11.3	5000	1	**1500**	**U**	Nondect at reported concentration
		EPAMW16	Y2DY2	N	23-Feb-06	1310	J	µg/L	11.3	5000	1	**1310**	**U**	Nondect at reported concentration
Dissolved Metal (CLP)	Vanadium	EQUP-BLKE	Y2DY1	EB	23-Feb-06	0.1	J	µg/L	0.04	1	1			
		EPAMW16	Y2DY0	N	23-Feb-06	5.2		µg/L	0.04	1	1	**5.2**	**J**	Estimated at reported concentration
		EPAMW16	Y2DY2	N	23-Feb-06	4.4		µg/L	0.04	1	1	**4.4**	**J**	Estimated at reported concentration
Dissolved Metal (CLP)	Zinc	EQUP-BLKE	Y2DY1	EB	23-Feb-06	16.9		µg/L	0.3	2	1			
		EPAMW16	Y2DY0	N	23-Feb-06	4.9		µg/L	0.3	2	1	**4.9**	**J**	Estimated at reported concentration
		EPAMW16	Y2DY2	N	23-Feb-06	9.8		µg/L	0.3	2	1	**9.8**	**J**	Estimated at reported concentration
Volatile Organics (CLP)	Acetone	EQUP-BLKE	Y2DY4	EB	24-Feb-06	4.9	J	µg/L		5	1			
		EPAMW15	Y2DY3	N	24-Feb-06	5	UJ	µg/L		5	1	5	UJ	No action
		EPAMW15	Y2DY5	N	24-Feb-06	5	U	µg/L		5	1	5	U	No action
		EPAMW16	Y2DY6	N	24-Feb-06	2.5	UJ	µg/L		5	1	2.5	UJ	No action
Volatile Organics (CLP)	Carbon Disulfide	EQUP-BLKE	Y2DY4	EB	24-Feb-06	0.36		µg/L		0.5	1			
		EPAMW15	Y2DY3	N	24-Feb-06	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW15	Y2DY5	N	24-Feb-06	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW16	Y2DY6	N	24-Feb-06	0.5	U	µg/L		0.5	1	0.5	U	No action
Volatile Organics (CLP)	Cyclohexane	EQUP-BLKE	Y2DY4	EB	24-Feb-06	0.12		µg/L		0.5	1			
		EPAMW15	Y2DY3	N	24-Feb-06	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW15	Y2DY5	N	24-Feb-06	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW16	Y2DY6	N	24-Feb-06	0.15	UJ	µg/L		0.5	1	0.15	UJ	No action
Volatile Organics (CLP)	Toluene	EQUP-BLKE	Y2DY4	EB	24-Feb-06	0.7		µg/L		0.5	1			
		EPAMW15	Y2DY3	N	24-Feb-06	0.3	J	µg/L		0.5	1	**0.3**	**U**	Nondetect at reported concentration
		EPAMW15	Y2DY5	N	24-Feb-06	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW16	Y2DY6	N	24-Feb-06	0.5	U	µg/L		0.5	1	0.5	U	No action
Dissolved Metal (CLP)	Chromium (Total)	EQUP-BLKE	Y2DY4	EB	24-Feb-06	0.22	J	µg/L	0.17	2	1			
		EPAMW16	Y2DY6	N	24-Feb-06	2.3		µg/L	0.17	2	1	**2.3**	**J**	Estimated at reported concentration
Dissolved Metal (CLP)	Nickel	EQUP-BLKE	Y2DY4	EB	24-Feb-06	0.37	J	µg/L	0.29	1	1			
		EPAMW16	Y2DY6	N	24-Feb-06	1.4		µg/L	0.29	1	1	**1.4**	**J**	Estimated at reported concentration
Dissolved Metal (CLP)	Vanadium	EQUP-BLKE	Y2DY4	EB	24-Feb-06	0.11	J	µg/L	0.04	1	1			
		EPAMW16	Y2DY6	N	24-Feb-06	4.3		µg/L	0.04	1	1	**4.3**	**J**	Estimated at reported concentration
Dissolved Metal (CLP)	Zinc	EQUP-BLKE	Y2DY4	EB	24-Feb-06	36.2		µg/L	0.3	2	1			
		EPAMW16	Y2DY6	N	24-Feb-06	21.6		µg/L	0.3	2	1	21.6		No action

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TABLE C-3
Field Blank Evaluation
Remedial Investigation
San Gabriel Valley Area 3 Superfund Site

Method	Parameter	Location	Original Sample ID	QA/QC Type	Sample Date	Result	Q	Units	DL	RL	Dilution	Final Result	Final Qualifier	Comment
Volatile Organics (CLP)	Toluene	EQUP-BLKE	Y2DZ2	EB	27-Feb-06	0.64		µg/L		0.5	1			
		EPAMW14	Y2DY8	N	27-Feb-06	0.12	J	µg/L		0.5	1	0.12	U	Nondetect at reported concentration
		EPAMW14	Y2DY9	N	27-Feb-06	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW14	Y2DZ0	N	27-Feb-06	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW14	Y2DZ1	D	27-Feb-06	0.11	J	µg/L		0.5	1	0.11	U	Nondetect at reported concentration
EPA Method 524.2	2-Butanone	EQUP-BLKE	AH04004	EB	03-Feb-04	2	J	µg/L	2	4	1			
		EPAMW11	AH04002	N	03-Feb-04	4	UJ	µg/L	2	4	1	4	UJ	No action
		EPAMW11	AH04003	D	03-Feb-04	4	UJ	µg/L	2	4	1	4	UJ	No action
		EPAMW12A	AH04001	N	03-Feb-04	4	UJ	µg/L	2	4	1	4	UJ	No action
		EPAMW13	AH04005	N	03-Feb-04	2	J	µg/L	2	4	1	**2**	**U**	Nondetect at reported concentration
		EPAMW13	AH04006	N	03-Feb-04	2	J	µg/L	2	4	1	**2**	**U**	Nondetect at reported concentration
		EPAMW13	AH04007	N	03-Feb-04	2	J	µg/L	2	4	1	**2**	**U**	Nondetect at reported concentration
		EPAMW13	AH04009	N	03-Feb-04	2	J	µg/L	2	4	1	**2**	**U**	Nondetect at reported concentration
EPA Method 524.2	Acetone	EQUP-BLKE	AH04004	EB	03-Feb-04	7.2	J	µg/L	2	4	1			
		EPAMW11	AH04002	N	03-Feb-04	4	U	µg/L	2	4	1	4	U	No action
		EPAMW11	AH04003	D	03-Feb-04	4	U	µg/L	2	4	1	4	U	No action
		EPAMW12A	AH04001	N	03-Feb-04	4	U	µg/L	2	4	1	4	U	No action
		EPAMW13	AH04005	N	03-Feb-04	4	UJ	µg/L	2	4	1	4	UJ	No action
		EPAMW13	AH04006	N	03-Feb-04	4	UJ	µg/L	2	4	1	4	UJ	No action
		EPAMW13	AH04007	N	03-Feb-04	4	UJ	µg/L	2	4	1	4	UJ	No action
		EPAMW13	AH04008	N	03-Feb-04	2	UJ	µg/L	2	4	1	2	UJ	No action
		EPAMW13	AH04009	N	03-Feb-04	4	UJ	µg/L	2	4	1	4	UJ	No action
EPA Method 524.2	Dibromochloropropane	EQUP-BLKE	AH04004	EB	03-Feb-04	1	J	µg/L	1	2	1			
		EPAMW11	AH04002	N	03-Feb-04	1	UJ	µg/L	1	2	1	1	UJ	No action
		EPAMW11	AH04003	D	03-Feb-04	1	UJ	µg/L	1	2	1	1	UJ	No action
		EPAMW12A	AH04001	N	03-Feb-04	1	UJ	µg/L	1	2	1	1	UJ	No action
		EPAMW13	AH04005	N	03-Feb-04	1	J	µg/L	1	2	1	**1**	**U**	Nondetect at reported concentration
		EPAMW13	AH04006	N	03-Feb-04	1	J	µg/L	1	2	1	**1**	**U**	Nondetect at reported concentration
		EPAMW13	AH04007	N	03-Feb-04	1	J	µg/L	1	2	1	**1**	**U**	Nondetect at reported concentration
		EPAMW13	AH04008	N	03-Feb-04	1	J	µg/L	1	2	1	**1**	**U**	Nondetect at reported concentration
		EPAMW13	AH04009	N	03-Feb-04	1	J	µg/L	1	2	1	**1**	**U**	Nondetect at reported concentration
EPA Method 524.2	Tert-Butyl Alcohol	EQUP-BLKE	AH04004	EB	03-Feb-04	26		µg/L	10	20	1			
		EPAMW11	AH04002	N	03-Feb-04	20	U	µg/L	10	20	1	20	U	No action
		EPAMW11	AH04003	D	03-Feb-04	20	U	µg/L	10	20	1	20	U	No action
		EPAMW12A	AH04001	N	03-Feb-04	20	U	µg/L	10	20	1	20	U	No action
		EPAMW13	AH04005	N	03-Feb-04	20	U	µg/L	10	20	1	20	U	No action
		EPAMW13	AH04006	N	03-Feb-04	20	U	µg/L	10	20	1	20	U	No action
		EPAMW13	AH04007	N	03-Feb-04	20	U	µg/L	10	20	1	20	U	No action
		EPAMW13	AH04008	N	03-Feb-04	20	U	µg/L	10	20	1	20	U	No action
		EPAMW13	AH04009	N	03-Feb-04	20	U	µg/L	10	20	1	20	U	No action

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TABLE C-3
Field Blank Evaluation
Remedial Investigation
San Gabriel Valley Area 3 Superfund Site

Method	Parameter	Location	Original Sample ID	QA/QC Type	Sample Date	Result	Q	Units	DL	RL	Dilution	Final Result	Final Qualifier	Comment
EPA Method 8270C	Benzyl Alcohol	EQUP-BLKE	AH04013	EB	04-Feb-04	2.5	J	µg/L	2.5	5	1			
		EPAMW15	AH04010	N	04-Feb-04	2.8	J	µg/L	2.8	5.6	1	**2.8**	**U**	Nondetect at reported concentration
		EPAMW15	AH04011	N	04-Feb-04	2.7	J	µg/L	2.7	5.5	1	**2.7**	**U**	Nondetect at reported concentration
		EPAMW15	AH04012	N	04-Feb-04	2.8	J	µg/L	2.8	5.6	1	**2.8**	**U**	Nondetect at reported concentration
		EPAMW15	AH04014	N	04-Feb-04	2.8	J	µg/L	2.8	5.5	1	**2.8**	**U**	Nondetect at reported concentration
EPA Method 8270C	Butylbenzyl phthalate	EQUP-BLKE	AH04013	EB	04-Feb-04	1.5	J	µg/L	0.5	1	1			
		EPAMW15	AH04010	N	04-Feb-04	2	J	µg/L	0.6	1.1	1	**2**	**U**	Nondetect at reported concentration
		EPAMW15	AH04011	N	04-Feb-04	1.9	J	µg/L	0.5	1.1	1	**1.9**	**U**	Nondetect at reported concentration
		EPAMW15	AH04012	N	04-Feb-04	1.7	J	µg/L	0.6	1.1	1	**1.7**	**U**	Nondetect at reported concentration
		EPAMW15	AH04014	N	04-Feb-04	1.8	J	µg/L	0.6	1.1	1	**1.8**	**U**	Nondetect at reported concentration
		EPAMW15	AH04010	N	04-Feb-04	2	J	µg/L	2	4	1	**2**	**U**	Nondetect at reported concentration
		EPAMW15	AH04011	N	04-Feb-04	2	J	µg/L	2	4	1	**2**	**U**	Nondetect at reported concentration
		EPAMW15	AH04014	N	04-Feb-04	2	J	µg/L	2	4	1	**2**	**U**	Nondetect at reported concentration
EPA Method 524.2	Acetone	EQUP-BLKE	AH04013	EB	04-Feb-04	8.2	J	µg/L	2	4	1			
		EPAMW15	AH04011	N	04-Feb-04	2	UJ	µg/L	2	4	1	2	UJ	No action
		EPAMW15	AH04012	N	04-Feb-04	2	UJ	µg/L	2	4	1	2	UJ	No action
		EPAMW15	AH04014	N	04-Feb-04	4	UJ	µg/L	2	4	1	4	UJ	No action
EPA Method 524.2	Dibromochloropropane	EQUP-BLKE	AH04013	EB	04-Feb-04	1	J	µg/L	1	2	1			
		EPAMW15	AH04010	N	04-Feb-04	1	J	µg/L	1	2	1	**1**	**U**	Nondetect at reported concentration
		EPAMW15	AH04011	N	04-Feb-04	1	J	µg/L	1	2	1	**1**	**U**	Nondetect at reported concentration
		EPAMW15	AH04012	N	04-Feb-04	1	J	µg/L	1	2	1	**1**	**U**	Nondetect at reported concentration
		EPAMW15	AH04014	N	04-Feb-04	1	J	µg/L	1	2	1	**1**	**U**	Nondetect at reported concentration
EPA Method 8270C	Benzyl Alcohol	EQUP-BLKE	AH04017	EB	05-Feb-04	2.5	J	µg/L	2.5	5	1			
		EPAMW15	AH04015	N	05-Feb-04	3.1	J	µg/L	3.1	6.3	1	**3.1**	**U**	Nondetect at reported concentration
		EPAMW15	AH04016	N	05-Feb-04	3.1	J	µg/L	3.1	6.1	1	**3.1**	**U**	Nondetect at reported concentration
EPA Method 8270C	Butylbenzyl phthalate	EQUP-BLKE	AH04017	EB	05-Feb-04	1.5	J	µg/L	0.5	1	1			
		EPAMW15	AH04015	N	05-Feb-04	0.6	J	µg/L	0.6	1.3	1	**0.6**	**U**	Nondetect at reported concentration
		EPAMW15	AH04016	N	05-Feb-04	1.4	J	µg/L	0.6	1.2	1	**1.4**	**U**	Nondetect at reported concentration
EPA Method 524.2	Acetone	EQUP-BLKE	AH04017	EB	05-Feb-04	6.3		µg/L	2	4	1			
		EPAMW15	AH04015	N	05-Feb-04	4	U	µg/L	2	4	1	4	U	No action
		EPAMW15	AH04016	N	05-Feb-04	4	U	µg/L	2	4	1	4	U	No action
EPA Method 8270C	Butylbenzyl phthalate	EQUP-BLKE	AH04020	EB	06-Feb-04	0.5	J	µg/L	0.5	1	1			
		EPAMW14	AH04018	N	06-Feb-04	0.7	J	µg/L	0.5	1	1	**0.7**	**U**	Nondetect at reported concentration
		EPAMW14	AH04019	N	06-Feb-04	0.9	J	µg/L	0.6	1.1	1	**0.9**	**U**	Nondetect at reported concentration
EPA Method 524.2	Acetone	EQUP-BLKE	AH04020	EB	06-Feb-04	5.8		µg/L	2	4	1			
		EPAMW14	AH04018	N	06-Feb-04	4	U	µg/L	2	4	1	4	U	No action
		EPAMW14	AH04019	N	06-Feb-04	4	U	µg/L	2	4	1	4	U	No action
Volatile Organics (CLP)	1,1-Dichloroethene	EQUP-BLKE	Y34W8	EB	06-Feb-07	0.064	J	µg/L		0.5	1			
		EPAMW16	Y34W0	N	06-Feb-07	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW16	Y34W1	N	06-Feb-07	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW16	Y34W2	N	06-Feb-07	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW16	Y34W3	N	06-Feb-07	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW16	Y34W4	N	06-Feb-07	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW16	Y34W5	N	06-Feb-07	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW16	Y34W6	D	06-Feb-07	0.083	J	µg/L		0.5	1	**0.083**	**U**	Nondetect at reported concentration
		EPAMW16	Y34W7	N	06-Feb-07	0.061	J	µg/L		0.5	1	**0.061**	**U**	Nondetect at reported concentration

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San Gabriel Valley Area 3 Superfund Site

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Volatile Organics (CLP)	m,p-Xylene	EQUP-BLKE	Y34W8	EB	06-Feb-07	0.23	J	µg/L		0.5	1			
		EPAMW16	Y34W0	N	06-Feb-07	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW16	Y34W1	N	06-Feb-07	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW16	Y34W2	N	06-Feb-07	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW16	Y34W3	N	06-Feb-07	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW16	Y34W4	N	06-Feb-07	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW16	Y34W5	N	06-Feb-07	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW16	Y34W6	D	06-Feb-07	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW16	Y34W7	N	06-Feb-07	0.5	U	µg/L		0.5	1	0.5	U	No action
Volatile Organics (CLP)	o-Xylene	EQUP-BLKE	Y34W8	EB	06-Feb-07	0.098	J	µg/L		0.5	1			
		EPAMW16	Y34W0	N	06-Feb-07	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW16	Y34W1	N	06-Feb-07	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW16	Y34W2	N	06-Feb-07	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW16	Y34W3	N	06-Feb-07	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW16	Y34W4	N	06-Feb-07	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW16	Y34W5	N	06-Feb-07	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW16	Y34W6	D	06-Feb-07	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW16	Y34W7	N	06-Feb-07	0.5	U	µg/L		0.5	1	0.5	U	No action
Volatile Organics (CLP)	2-Butanone	EQUP-BLKE	Y34X5	EB	07-Feb-07	3	J	µg/L		5	1			
		EPAMW14	Y34X0	N	07-Feb-07	5	U	µg/L		5	1	5	U	No action
		EPAMW14	Y34X1	N	07-Feb-07	5	U	µg/L		5	1	5	U	No action
		EPAMW14	Y34X2	N	07-Feb-07	5	U	µg/L		5	1	5	U	No action
		EPAMW14	Y34X3	D	07-Feb-07	5	U	µg/L		5	1	5	U	No action
		EPAMW14	Y34X4	N	07-Feb-07	5	U	µg/L		5	1	5	U	No action
		EPAMW18	Y34W9	N	07-Feb-07	5	U	µg/L		5	1	5	U	No action
Volatile Organics (CLP)	m,p-Xylene	EQUP-BLKE	Y34X5	EB	07-Feb-07	0.21	J	µg/L		0.5	1			
		EPAMW14	Y34X0	N	07-Feb-07	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW14	Y34X1	N	07-Feb-07	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW14	Y34X2	N	07-Feb-07	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW14	Y34X3	D	07-Feb-07	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW14	Y34X4	N	07-Feb-07	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW18	Y34W9	N	07-Feb-07	0.5	U	µg/L		0.5	1	0.5	U	No action
Volatile Organics (CLP)	o-Xylene	EQUP-BLKE	Y34X5	EB	07-Feb-07	0.1	J	µg/L		0.5	1			
		EPAMW14	Y34X0	N	07-Feb-07	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW14	Y34X1	N	07-Feb-07	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW14	Y34X2	N	07-Feb-07	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW14	Y34X3	D	07-Feb-07	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW14	Y34X4	N	07-Feb-07	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW18	Y34W9	N	07-Feb-07	0.5	U	µg/L		0.5	1	0.5	U	No action
EPA Method 607/1625M-NDMA	N-Nitrosodimethylamine	EQUP-BLKE	AH04024	EB	09-Feb-04	0.000802	J	µg/L	0.002	2	1			
		EPAMW14	AH04021	N	09-Feb-04	0.000589	J	µg/L	0.002	2	1	**0.000589**	**U**	Nondetect at reported concentration
		EPAMW14	AH04022	D	09-Feb-04	0.00101	J	µg/L	0.002	2	1	**0.00101**	**U**	Nondetect at reported concentration
		EPAMW14	AH04023	N	09-Feb-04	0.00271		µg/L	0.002	2	1	**0.00271**	**U**	Nondetect at reported concentration
EPA Method 8270C	Benzyl Alcohol	EQUP-BLKE	AH04024	EB	09-Feb-04	2.7	J	µg/L	2.7	5.3	1			
		EPAMW14	AH04021	N	09-Feb-04	2.8	J	µg/L	2.8	5.7	1	**2.8**	**U**	Nondetect at reported concentration
		EPAMW14	AH04022	D	09-Feb-04	2.9	J	µg/L	2.9	5.7	1	**2.9**	**U**	Nondetect at reported concentration
		EPAMW14	AH04023	N	09-Feb-04	3	J	µg/L	3	6	1	**3**	**U**	Nondetect at reported concentration

Notes:
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mg/L = milligram(s) per liter
µg/L = microgram(s) per liter
ng/L = nanogram(s) per liter

J = Estimated Value
L = Result May be Biased Low
LJ = Estimated Value, Result May be Biased Low
R = Rejected
U = Non-Detect
UJ = Non-Detect Estimated Value
UR = Rejected Non-Detect

TABLE C-3
Field Blank Evaluation
Remedial Investigation
San Gabriel Valley Area 3 Superfund Site

Method	Parameter	Location	Original Sample ID	QA/QC Type	Sample Date	Result	Q	Units	DL	RL	Dilution	Final Result	Final Qualifier	Comment
EPA Method 524.2	Acetone	EQUP-BLKE	AH04024	EB	09-Feb-04	6.1		µg/L	2	4	1			
		EPAMW14	AH04021	N	09-Feb-04	4	U	µg/L	2	4	1	4	U	No action
		EPAMW14	AH04022	D	09-Feb-04	4	U	µg/L	2	4	1	4	U	No action
		EPAMW14	AH04023	N	09-Feb-04	4	U	µg/L	2	4	1	4	U	No action
EPA Method 300.0	Nitrate (As No3)	EQUP-BLKE	Y2DZ4	EB	01-Mar-06	0.34		mg/L	0.05	0.1	1			
		EPAMW16	Y2DZ3	N	01-Mar-06	17		mg/L	0.05	0.1	1	**17**		No action
		EPAMW16	Y2DZ5	N	01-Mar-06	29		mg/L	0.1	0.2	2	**29**		No action
		EPAMW16	Y2DZ6	D	01-Mar-06	29		mg/L	0.1	0.2	2	**29**		No action
Volatile Organics (CLP)	Acetone	EQUP-BLKE	Y2DZ4	EB	01-Mar-06	3.2		µg/L		5	1			
		EPAMW16	Y2DZ3	N	01-Mar-06	3.4		µg/L		5	1	**3.4**	**U**	Nondetect at reported concentration
		EPAMW16	Y2DZ5	N	01-Mar-06	5	U	µg/L		5	1	5	U	No action
		EPAMW16	Y2DZ6	D	01-Mar-06	3.3		µg/L		5	1	**3.3**	**U**	Nondetect at reported concentration
Volatile Organics (CLP)	Toluene	EQUP-BLKE	Y2DZ4	EB	01-Mar-06	0.58		µg/L		0.5	1			
		EPAMW16	Y2DZ3	N	01-Mar-06	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW16	Y2DZ5	N	01-Mar-06	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW16	Y2DZ6	D	01-Mar-06	0.5	U	µg/L		0.5	1	0.5	U	No action
Dissolved Metal (CLP)	Boron	EQUP-BLKE	Y2DZ4	EB	01-Mar-06	6.6		µg/L	0.72	100	1			
		EPAMW16	Y2DZ3	N	01-Mar-06	146		µg/L	0.72	100	1	**146**	**J**	Estimated at reported concentration
		EPAMW16	Y2DZ5	N	01-Mar-06	109		µg/L	0.72	100	1	**109**	**J**	Estimated at reported concentration
		EPAMW16	Y2DZ6	D	01-Mar-06	110		µg/L	0.72	100	1	**110**	**J**	Estimated at reported concentration
Dissolved Metal (CLP)	Mercury	EQUP-BLKE	Y2DZ4	EB	01-Mar-06	0.06	J	µg/L	0.04	0.2	1			
		EPAMW16	Y2DZ3	N	01-Mar-06	0.2	U	µg/L	0.04	0.2	1	0.2	U	No action
		EPAMW16	Y2DZ5	N	01-Mar-06	0.2	U	µg/L	0.04	0.2	1	0.2	U	No action
		EPAMW16	Y2DZ6	D	01-Mar-06	0.057	J	µg/L	0.04	0.2	1	**0.057**	**U**	Nondetect at reported concentration
Dissolved Metal (CLP)	Molybdenum	EQUP-BLKE	Y2DZ4	EB	01-Mar-06	1		µg/L	0.09	1	1			
		EPAMW16	Y2DZ3	N	01-Mar-06	8.8		µg/L	0.09	1	1	**8.8**	**J**	Estimated at reported concentration
		EPAMW16	Y2DZ5	N	01-Mar-06	5.5		µg/L	0.09	1	1	**5.5**	**J**	Estimated at reported concentration
		EPAMW16	Y2DZ6	D	01-Mar-06	5.7		µg/L	0.09	1	1	**5.7**	**J**	Estimated at reported concentration
Dissolved Metal (CLP)	Sodium	EQUP-BLKE	Y2DZ4	EB	01-Mar-06	148	J	µg/L	121	5000	1			
		EPAMW16	Y2DZ3	N	01-Mar-06	23200		µg/L	121	5000	1	**23200**	**J**	Estimated at reported concentration
		EPAMW16	Y2DZ5	N	01-Mar-06	24800		µg/L	121	5000	1	**24800**	**J**	Estimated at reported concentration
		EPAMW16	Y2DZ6	D	01-Mar-06	25200		µg/L	121	5000	1	**2500**	**J**	Estimated at reported concentration
Dissolved Metal (CLP)	Zinc	EQUP-BLKE	Y2DZ4	EB	01-Mar-06	30		µg/L	0.3	2	1			
		EPAMW16	Y2DZ3	N	01-Mar-06	27.8		µg/L	0.3	2	1	27.8		No action
		EPAMW16	Y2DZ5	N	01-Mar-06	8.6		µg/L	0.3	2	1	**8.6**	**J**	Estimated at reported concentration
		EPAMW16	Y2DZ6	D	01-Mar-06	9.6		µg/L	0.3	2	1	**9.6**	**J**	Estimated at reported concentration
Volatile Organics (CLP)	Acetone	EQUP-BLKE	Y1TG9	EB	30-Mar-05	3.7	LJ	µg/L		84	1			
		EPAMW16	Y1TG1	N	30-Mar-05	5	UJ	µg/L		5	1	5	UJ	No action
		EPAMW16	Y1TG2	N	30-Mar-05	5	UJ	µg/L		5	1	5	UJ	No action
		EPAMW16	Y1TG3	N	30-Mar-05	5	UJ	µg/L		5	1	5	UJ	No action
Volatile Organics (CLP)	cis-1,3-Dichloropropene	EQUP-BLKE	Y1TG9	EB	30-Mar-05	0.12	LJ	µg/L		8.4	1			
		EPAMW16	Y1TG1	N	30-Mar-05	0.5	UJ	µg/L		0.5	1	0.5	UJ	No action
		EPAMW16	Y1TG2	N	30-Mar-05	0.5	UJ	µg/L		0.5	1	0.5	UJ	No action
		EPAMW16	Y1TG3	N	30-Mar-05	0.5	U	µg/L		0.5	1	0.5	U	No action
Volatile Organics (CLP)	Toluene	EQUP-BLKE	Y1TG9	EB	30-Mar-05	0.13	LJ	µg/L		0.5	1			
		EPAMW16	Y1TG1	N	30-Mar-05	0.5	UJ	µg/L		0.5	1	0.5	UJ	No action
		EPAMW16	Y1TG2	N	30-Mar-05	0.5	UJ	µg/L		0.5	1	0.5	UJ	No action
		EPAMW16	Y1TG3	N	30-Mar-05	0.5	U	µg/L		0.5	1	0.5	U	No action

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N = Primary Sample
mg/L = milligram(s) per liter
µg/L = microgram(s) per liter
ng/L = nanogram(s) per liter

J = Estimated Value
L = Result May be Biased Low
LJ = Estimated Value, Result May be Biased Low
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TABLE C-3
Field Blank Evaluation
Remedial Investigation
San Gabriel Valley Area 3 Superfund Site

Method	Parameter	Location	Original Sample ID	QA/QC Type	Sample Date	Result	Q	Units	DL	RL	Dilution	Final Result	Final Qualifier	Comment
Volatile Organics (CLP)	Toluene	EQUP-BLKE	Y1TH0	EB	31-Mar-05	0.12	LJ	µg/L		0.5	1			
		EPAMW16	Y1TG4	N	31-Mar-05	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW16	Y1TG5	N	31-Mar-05	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW16	Y1TG6	N	31-Mar-05	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW16	Y1TG7	D	31-Mar-05	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW16	Y1TG8	N	31-Mar-05	0.5	UJ	µg/L		0.5	1	0.5	UJ	No action
Volatile Organics (CLP)	Acetone	EQUP-BLKE	Y3AN6	EB	10-May-07	37	J	µg/L		5	1			
		EPAMW13	Y3AN0	N	10-May-07	5	U	µg/L		5	1	5	U	No action
		EPAMW13	Y3AN1	N	10-May-07	5	U	µg/L		5	1	5	U	No action
		EPAMW13	Y3AN2	N	10-May-07	5	U	µg/L		5	1	5	U	No action
		EPAMW13	Y3AN3	D	10-May-07	5	U	µg/L		5	1	5	U	No action
		EPAMW13	Y3AN4	N	10-May-07	5	U	µg/L		5	1	5	U	No action
		EPAMW13	Y3AN5	N	10-May-07	5	U	µg/L		5	1	5	U	No action
Volatile Organics (CLP)	Toluene	EQUP-BLKE	Y3AN6	EB	10-May-07	0.27	J	µg/L		0.5	1			
		EPAMW13	Y3AN0	N	10-May-07	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW13	Y3AN1	N	10-May-07	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW13	Y3AN2	N	10-May-07	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW13	Y3AN3	D	10-May-07	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW13	Y3AN4	N	10-May-07	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW13	Y3AN5	N	10-May-07	0.5	U	µg/L		0.5	1	0.5	U	No action
Volatile Organics (CLP)	Toluene	FLD-BLKE	Y3AN9	FB	11-May-07	1		µg/L		0.5	1			
		EPAMW11	Y3AN8	N	11-May-07	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW12A	Y3AN7	N	11-May-07	0.64	J	µg/L		0.5	1	**0.64**	**U**	Nondetect at reported concentration
		EPAMW17	Y3AP0	N	11-May-07	0.5	U	µg/L		0.5	1	0.5	U	No action
Volatile Organics (CLP)	2-Butanone	EQUP-BLKE	Y1X96	EB	17-May-05	2.6	LJ	µg/L		84	1			
		EPAMW14	Y1X91	N	17-May-05	5	U	µg/L		5	1	5	U	No action
		EPAMW14	Y1X92	N	17-May-05	5	U	µg/L		5	1	5	U	No action
		EPAMW14	Y1X93	D	17-May-05	5	U	µg/L		5	1	5	U	No action
		EPAMW14	Y1X94	N	17-May-05	5	U	µg/L		5	1	5	U	No action
		EPAMW14	Y1X95	N	17-May-05	5	UJ	µg/L		5	1	5	UJ	No action
Volatile Organics (CLP)	Acetone	EQUP-BLKE	Y1X96	EB	17-May-05	4.9	LJ	µg/L		84	1			
		EPAMW14	Y1X91	N	17-May-05	5	UJ	µg/L		5	1	5	UJ	No action
		EPAMW14	Y1X92	N	17-May-05	5	UJ	µg/L		5	1	5	UJ	No action
		EPAMW14	Y1X93	D	17-May-05	5	UJ	µg/L		5	1	5	UJ	No action
		EPAMW14	Y1X94	N	17-May-05	5	UJ	µg/L		5	1	5	UJ	No action
		EPAMW14	Y1X95	N	17-May-05	5	UJ	µg/L		84	1	5	UJ	No action
Volatile Organics (CLP)	Methylene Chloride	EQUP-BLKE	Y1X96	EB	17-May-05	0.14	LJ	µg/L		0.5	1			
		EPAMW14	Y1X91	N	17-May-05	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW14	Y1X92	N	17-May-05	0.5	UJ	µg/L		0.5	1	0.5	UJ	No action
		EPAMW14	Y1X93	D	17-May-05	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW14	Y1X94	N	17-May-05	0.5	UJ	µg/L		0.5	1	0.5	UJ	No action
		EPAMW14	Y1X95	N	17-May-05	0.5	UJ	µg/L		0.5	1	0.5	UJ	No action
Volatile Organics (CLP)	Acetone	EQUP-BLKE	Y1XA2	EB	18-May-05	4.9	LJ	µg/L		84	1			
		EPAMW13	Y1X97	N	18-May-05	5	UJ	µg/L		84	1	5	UJ	No action
		EPAMW13	Y1X98	N	18-May-05	5	UJ	µg/L		5	1	5	UJ	No action
		EPAMW13	Y1X99	N	18-May-05	5	UJ	µg/L		5	1	5	UJ	No action
		EPAMW13	Y1XA0	N	18-May-05	5	UJ	µg/L		84	1	5	UJ	No action
		EPAMW13	Y1XA1	N	18-May-05	5	UJ	µg/L		5	1	5	UJ	No action
		EPAMW15	Y1XA3	N	18-May-05	5	UJ	µg/L		5	1	5	UJ	No action

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TABLE C-3
Field Blank Evaluation
Remedial Investigation
San Gabriel Valley Area 3 Superfund Site

Method	Parameter	Location	Original Sample ID	QA/QC Type	Sample Date	Result	Q	Units	DL	RL	Dilution	Final Result	Final Qualifier	Comment
Volatile Organics (CLP)	Methylene Chloride	EQUP-BLKE	Y1XA2	EB	18-May-05	0.15	LJ	µg/L		0.5	1			
		EPAMW13	Y1X97	N	18-May-05	0.5	UJ	µg/L		0.5	1	0.5	UJ	No action
		EPAMW13	Y1X98	N	18-May-05	0.5	UJ	µg/L		0.5	1	0.5	UJ	No action
		EPAMW13	Y1X99	N	18-May-05	0.5	UJ	µg/L		0.5	1	0.5	UJ	No action
		EPAMW13	Y1XA0	N	18-May-05	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW13	Y1XA1	N	18-May-05	0.5	UJ	µg/L		0.5	1	0.5	UJ	No action
		EPAMW15	Y1XA3	N	18-May-05	0.5	UJ	µg/L		0.5	1	0.5	UJ	No action
Volatile Organics (CLP)	Acetone	EQUP-BLKE	Y1XB0	EB	19-May-05	7.8	J	µg/L		84	1			
		EPAMW15	Y1XA4	N	19-May-05	5	UJ	µg/L		5	1	5	UJ	No action
		EPAMW15	Y1XA5	N	19-May-05	5	UJ	µg/L		5	1	5	UJ	No action
		EPAMW15	Y1XA6	N	19-May-05	5	UJ	µg/L		84	1	5	UJ	No action
		EPAMW15	Y1XA7	N	19-May-05	5	UJ	µg/L		84	1	5	UJ	No action
		EPAMW15	Y1XA8	N	19-May-05	5	UJ	µg/L		84	1	5	UJ	No action
		EPAMW15	Y1XA9	D	19-May-05	5	UJ	µg/L		84	1	5	UJ	No action
		EPAMW16	Y1XB1	N	19-May-05	3.1	J	µg/L		84	1	**3.1**	**U**	Nondetect at reported concentration
		EPAMW16	Y1XB2	N	19-May-05	3.3	J	µg/L		84	1	**3.3**	**U**	Nondetect at reported concentration
Volatile Organics (CLP)	Acetone	EQUP-BLKE	Y1XB9	EB	20-May-05	7.8		µg/L		84	1			
		EPAMW16	Y1XB4	N	20-May-05	2.6	J	µg/L		84	1	**2.6**	**U**	Nondetect at reported concentration
		EPAMW16	Y1XB5	N	20-May-05	3.3	J	µg/L		84	1	**3.3**	**U**	Nondetect at reported concentration
		EPAMW16	Y1XB6	N	20-May-05	2.5	J	µg/L		84	1	**2.5**	**U**	Nondetect at reported concentration
		EPAMW16	Y1XB7	N	20-May-05	4.3	J	µg/L		84	1	**4.3**	**U**	Nondetect at reported concentration
		EPAMW16	Y1XB8	N	20-May-05	2.7	J	µg/L		84	1	**2.7**	**U**	Nondetect at reported concentration
Volatile Organics (CLP)	Methylene Chloride	EQUP-BLKE	Y1XB9	EB	20-May-05	0.6	J	µg/L		0.5	1			
		EPAMW16	Y1XB4	N	20-May-05	0.66		µg/L		0.5	1	**0.66**	**U**	Nondetect at reported concentration
		EPAMW16	Y1XB5	N	20-May-05	0.75		µg/L		0.5	1	**0.75**	**U**	Nondetect at reported concentration
		EPAMW16	Y1XB6	N	20-May-05	0.63		µg/L		0.5	1	**0.63**	**U**	Nondetect at reported concentration
		EPAMW16	Y1XB7	N	20-May-05	0.73		µg/L		0.5	1	**0.73**	**U**	Nondetect at reported concentration
		EPAMW16	Y1XB8	N	20-May-05	0.58		µg/L		0.5	1	**0.58**	**U**	Nondetect at reported concentration
Volatile Organics (CLP)	Tert-Butyl Alcohol	EQUP-BLKE	Y1XB9	EB	20-May-05	10		µg/L		84	1			
		EPAMW16	Y1XB4	N	20-May-05	5	U	µg/L		5	1	5	U	No action
		EPAMW16	Y1XB5	N	20-May-05	5	U	µg/L		5	1	5	U	No action
		EPAMW16	Y1XB6	N	20-May-05	5	U	µg/L		5	1	5	U	No action
		EPAMW16	Y1XB7	N	20-May-05	5	U	µg/L		5	1	5	U	No action
		EPAMW16	Y1XB8	N	20-May-05	5	U	µg/L		5	1	5	U	No action
Volatile Organics (CLP)	Toluene	EQUP-BLKE	Y1XB9	EB	20-May-05	0.66		µg/L		0.5	1			
		EPAMW16	Y1XB4	N	20-May-05	0.25	J	µg/L		0.5	1	**0.25**	**U**	Nondetect at reported concentration
		EPAMW16	Y1XB5	N	20-May-05	0.23	J	µg/L		0.5	1	**0.23**	**U**	Nondetect at reported concentration
		EPAMW16	Y1XB6	N	20-May-05	0.29	J	µg/L		0.5	1	**0.29**	**U**	Nondetect at reported concentration
		EPAMW16	Y1XB7	N	20-May-05	0.28	J	µg/L		0.5	1	**0.28**	**U**	Nondetect at reported concentration
		EPAMW16	Y1XB8	N	20-May-05	0.25	J	µg/L		0.5	1	**0.25**	**U**	Nondetect at reported concentration
Volatile Organics (CLP)	Acetone	FLD-BLKE	Y2HL2	FB	22-May-06	9.9		µg/L		5	1			
		EPAMW11	Y2HL0	N	22-May-06	5	U	µg/L		5	1	5	U	No action
		EPAMW12A	Y2HK9	N	22-May-06	5	U	µg/L		5	1	5	U	No action
Volatile Organics (CLP)	Methyl Tert-Butyl Ether	FLD-BLKE	Y2HL2	FB	22-May-06	0.42	J	µg/L		0.5	1			
		EPAMW11	Y2HL0	N	22-May-06	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW12A	Y2HK9	N	22-May-06	0.5	U	µg/L		0.5	1	0.5	U	No action
Volatile Organics (CLP)	Toluene	FLD-BLKE	Y2HL2	FB	22-May-06	0.13	J	µg/L		0.5	1			
		EPAMW11	Y2HL0	N	22-May-06	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW12A	Y2HK9	N	22-May-06	0.59		µg/L		0.5	1	0.59		No action

Notes:

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ng/L = nanogram(s) per liter

J = Estimated Value
L = Result May be Biased Low
LJ = Estimated Value, Result May be Biased Low
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UJ = Non-Detect Estimated Value
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TABLE C-3
Field Blank Evaluation
Remedial Investigation
San Gabriel Valley Area 3 Superfund Site

Method	Parameter	Location	Original Sample ID	QA/QC Type	Sample Date	Result	Q	Units	DL	RL	Dilution	Final Result	Final Qualifier	Comment
Dissolved Metal (CLP)	Boron	FLD-BLKE	Y2HL2	FB	22-May-06	4.3	J	µg/L	0.72	100	1			
		EPAMW11	Y2HL0	N	22-May-06	112		µg/L	0.72	100	1	**112**	**J**	Estimated at reported concentration
		EPAMW12A	Y2HK9	N	22-May-06	143		µg/L	0.72	100	1	**143**	**J**	Estimated at reported concentration
Volatile Organics (CLP)	Acetone	EQUP-BLKE	Y2HM2	EB	23-May-06	10		µg/L		5	1			
		EPAMW15	Y2HL3	N	23-May-06	5	U	µg/L		5	1	5	U	No action
		EPAMW15	Y2HL4	N	23-May-06	5	U	µg/L		5	1	5	U	No action
		EPAMW15	Y2HL5	N	23-May-06	5	U	µg/L		5	1	5	U	No action
		EPAMW15	Y2HL6	N	23-May-06	5	U	µg/L		5	1	5	U	No action
		EPAMW15	Y2HL7	N	23-May-06	5	U	µg/L		5	1	5	U	No action
		EPAMW15	Y2HL8	N	23-May-06	3.3	J	µg/L		5	1	**3.3**	**U**	Nondetect at reported concentration
		EPAMW15	Y2HL9	D	23-May-06	5	U	µg/L		5	1	5	U	No action
Volatile Organics (CLP)	Methyl Tert-Butyl Ether	EQUP-BLKE	Y2HM2	EB	23-May-06	0.23	J	µg/L		0.5	1			
		EPAMW15	Y2HL3	N	23-May-06	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW15	Y2HL4	N	23-May-06	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW15	Y2HL5	N	23-May-06	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW15	Y2HL6	N	23-May-06	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW15	Y2HL7	N	23-May-06	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW15	Y2HL8	N	23-May-06	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW15	Y2HL9	D	23-May-06	0.5	U	µg/L		0.5	1	0.5	U	No action
Dissolved Metal (CLP)	Boron	EQUP-BLKE	Y2HM2	EB	23-May-06	4.4		µg/L	0.72	100	1			
		EPAMW15	Y2HL3	N	23-May-06	131		µg/L	0.72	100	1	**131**	**J**	Estimated at reported concentration
		EPAMW15	Y2HL5	N	23-May-06	136		µg/L	0.72	100	1	**136**	**J**	Estimated at reported concentration
		EPAMW15	Y2HL7	N	23-May-06	88.2		µg/L	0.72	100	1	**88.2**	**U**	Nondetect at reported concentration
Dissolved Metal (CLP)	Potassium	EQUP-BLKE	Y2HM2	EB	23-May-06	32.4	J	µg/L	11.3	5000	1			
		EPAMW15	Y2HL3	N	23-May-06	2360	J	µg/L	11.3	5000	1	**2360**	**U**	Nondetect at reported concentration
		EPAMW15	Y2HL5	N	23-May-06	2070	J	µg/L	11.3	5000	1	**2070**	**U**	Nondetect at reported concentration
		EPAMW15	Y2HL7	N	23-May-06	2120	J	µg/L	11.3	5000	1	**2120**	**U**	Nondetect at reported concentration
EPA Method 524.2	Naphthalene	FLD-BLKE	AH04116	FB	24-May-04	0.6	J	µg/L		1	1			
		EPAMW12A	AH04115	N	24-May-04	1	U	µg/L		1	1	1	U	No action
		EPAMW13	AH04117	N	24-May-04	1	U	µg/L		1	1	1	U	No action
		EPAMW13	AH04118	N	24-May-04	1	U	µg/L		1	1	1	U	No action
		EPAMW13	AH04119	N	24-May-04	1	U	µg/L		1	1	1	U	No action
		EPAMW13	AH04120	N	24-May-04	1	U	µg/L		1	1	1	U	No action
		EPAMW13	AH04121	N	24-May-04	1	U	µg/L		1	1	1	U	No action
EPA Method 607/1625M-NDMA	N-Nitrosodimethylamine	FLD-BLKE	Y2HM3	FB	24-May-06	2	J	ng/L	0.54	2	1			
		EPAMW18	Y2HM0	N	24-May-06	2	J	ng/L	0.54	2	1	**2**	**U**	Nondetect at reported concentration
		EPAMW18	Y2HM1	D	24-May-06	2	J	ng/L	0.54	2	1	**2**	**U**	Nondetect at reported concentration
EPA Method 8270C	Bis(2-ethylhexyl)phthalate	FLD-BLKE	Y2HM3	FB	24-May-06	1.8	J	µg/L	0.5	1	1			
		EPAMW17	Y2HL1	N	24-May-06	13	J	µg/L	0.5	1.1	1	**13**	**U**	Nondetect at reported concentration
		EPAMW18	Y2HM0	N	24-May-06	3.8	J	µg/L	0.5	1	1	**3.8**	**U**	Nondetect at reported concentration
		EPAMW18	Y2HM1	D	24-May-06	2.4	J	µg/L	0.5	1	1	**2.4**	**U**	Nondetect at reported concentration
Volatile Organics (CLP)	Bromoform	FLD-BLKE	Y2HM3	FB	24-May-06	0.41	J	µg/L		0.5	1			
		EPAMW17	Y2HL1	N	24-May-06	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW18	Y2HM0	N	24-May-06	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW18	Y2HM1	D	24-May-06	0.5	U	µg/L		0.5	1	0.5	U	No action
Volatile Organics (CLP)	Methylene Chloride	FLD-BLKE	Y2HM3	FB	24-May-06	0.14	J	µg/L		0.5	1			
		EPAMW17	Y2HL1	N	24-May-06	0.21	J	µg/L		0.5	1	**0.21**	**U**	Nondetect at reported concentration
		EPAMW18	Y2HM0	N	24-May-06	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW18	Y2HM1	D	24-May-06	0.5	U	µg/L		0.5	1	0.5	U	No action

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TABLE C-3
Field Blank Evaluation
Remedial Investigation
San Gabriel Valley Area 3 Superfund Site

Method	Parameter	Location	Original Sample ID	QA/QC Type	Sample Date	Result	Q	Units	DL	RL	Dilution	Final Result	Final Qualifier	Comment
Dissolved Metal (CLP)	Cadmium	FLD-BLKE	Y2HM3	FB	24-May-06	0.16	J	µg/L	0.059	1	1			
		EPAMW17	Y2HL1	N	24-May-06	1	U	µg/L	0.059	1	1	1	U	No action
		EPAMW18	Y2HM0	N	24-May-06	1	U	µg/L	0.059	1	1	1	U	No action
		EPAMW18	Y2HM1	D	24-May-06	1	U	µg/L	0.059	1	1	1	U	No action
Dissolved Metal (CLP)	Copper	FLD-BLKE	Y2HM3	FB	24-May-06	0.38	J	µg/L	0.28	2	1			
		EPAMW17	Y2HL1	N	24-May-06	2.2		µg/L	0.28	2	1	**2.2**	**J**	Estimated at reported concentration
		EPAMW18	Y2HM0	N	24-May-06	2.1		µg/L	0.28	2	1	**2.1**	**J**	Estimated at reported concentration
		EPAMW18	Y2HM1	D	24-May-06	1	J	µg/L	0.28	2	1	**1**	**U**	Nondetect at reported concentration
Dissolved Metal (CLP)	Molybdenum	FLD-BLKE	Y2HM3	FB	24-May-06	1		µg/L	0.094	1	1			
		EPAMW17	Y2HL1	N	24-May-06	170		µg/L	0.094	1	1	**170**	**J**	Estimated at reported concentration
		EPAMW18	Y2HM0	N	24-May-06	34.5		µg/L	0.094	1	1	**34.5**	**J**	Estimated at reported concentration
		EPAMW18	Y2HM1	D	24-May-06	32.2		µg/L	0.094	1	1	**32.2**	**J**	Estimated at reported concentration
Dissolved Metal (CLP)	Nickel	FLD-BLKE	Y2HM3	FB	24-May-06	1.2		µg/L	0.29	1	1			
		EPAMW17	Y2HL1	N	24-May-06	4		µg/L	0.29	1	1	**4**	**J**	Estimated at reported concentration
		EPAMW18	Y2HM0	N	24-May-06	0.85	UJ	µg/L	0.29	1	1	0.85	UJ	No action
		EPAMW18	Y2HM1	D	24-May-06	0.82	UJ	µg/L	0.29	1	1	0.82	UJ	No action
Dissolved Metal (CLP)	Zinc	FLD-BLKE	Y2HM3	FB	24-May-06	1.1	J	µg/L	0.3	2	1			
		EPAMW17	Y2HL1	N	24-May-06	3.7		µg/L	0.3	2	1	**3.7**	**J**	Estimated at reported concentration
		EPAMW18	Y2HM0	N	24-May-06	3.7		µg/L	0.3	2	1	**3.7**	**J**	Estimated at reported concentration
		EPAMW18	Y2HM1	D	24-May-06	7.5		µg/L	0.3	2	1	**7.5**	**J**	Estimated at reported concentration
Volatile Organics (CLP)	Toluene	EQUP-BLKE	Y2HN2	EB	25-May-06	0.11	J	µg/L		0.5	1			
		EPAMW13	Y2HM6	N	25-May-06	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW13	Y2HM7	N	25-May-06	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW13	Y2HM8	N	25-May-06	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW13	Y2HM9	D	25-May-06	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW13	Y2HN0	N	25-May-06	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW13	Y2HN1	N	25-May-06	0.5	U	µg/L		0.5	1	0.5	U	No action
Dissolved Metal (CLP)	Boron	EQUP-BLKE	Y2HN2	EB	25-May-06	1.6		µg/L	0.72	100	1			
		EPAMW13	Y2HM6	N	25-May-06	39.6		µg/L	0.72	100	1	**39.6**	**U**	Nondetect at reported concentration
		EPAMW13	Y2HM8	N	25-May-06	54.5		µg/L	0.72	100	1	**54.5**	**U**	Nondetect at reported concentration
		EPAMW13	Y2HM9	D	25-May-06	54.9		µg/L	0.72	100	1	**54.9**	**U**	Nondetect at reported concentration
		EPAMW13	Y2HN1	N	25-May-06	71.5		µg/L	0.72	100	1	**71.5**	**U**	Nondetect at reported concentration
		EPAMW14	Y2HM4	N	25-May-06	57		µg/L	0.72	100	1	**57**	**U**	Nondetect at reported concentration
		EPAMW14	Y2HM5	N	25-May-06	101		µg/L	0.72	100	1	**101**	**J**	Estimated at reported concentration
Volatile Organics (CLP)	Acetone	FLD-BLKE	Y1XC5	FB	26-May-05	6.1		µg/L		84	1			
		EPAMW11	Y1XC1	N	25-May-05	5	U	µg/L		84	1	5	U	No action
		EPAMW12A	Y1XC0	N	25-May-05	36	U	µg/L		36	7	36	U	No action
		EPAMW17	Y1XC2	N	26-May-05	2.2	J	µg/L		84	1	**2.2**	**U**	Nondetect at reported concentration
		EPAMW18	Y1XC3	N	25-May-05	5	U	µg/L		5	1	5	U	No action
		EPAMW18	Y1XC4	D	25-May-05	5	U	µg/L		5	1	5	U	No action
Volatile Organics (CLP)	Benzene	FLD-BLKE	Y1XC5	FB	26-May-05	0.11	J	µg/L		8.4	1			
		EPAMW11	Y1XC1	N	25-May-05	0.5	U	µg/L		8.4	1	0.5	U	No action
		EPAMW12A	Y1XC0	N	25-May-05	3.6	U	µg/L		3.6	7	3.6	U	No action
		EPAMW17	Y1XC2	N	26-May-05	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW18	Y1XC3	N	25-May-05	0.12	J	µg/L		8.4	1	**0.12**	**U**	Nondetect at reported concentration
		EPAMW18	Y1XC4	D	25-May-05	0.14	J	µg/L		8.4	1	**0.14**	**U**	Nondetect at reported concentration

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TABLE C-3
Field Blank Evaluation
Remedial Investigation
San Gabriel Valley Area 3 Superfund Site

Method	Parameter	Location	Original Sample ID	QA/QC Type	Sample Date	Result	Q	Units	DL	RL	Dilution	Final Result	Final Qualifier	Comment
Volatile Organics (CLP)	cis-1,3-Dichloropropene	FLD-BLKE	Y1XC5	FB	26-May-05	0.1	J	µg/L		8.4	1			
		EPAMW11	Y1XC1	N	25-May-05	0.13	J	µg/L		8.4	1	**0.13**	**U**	Nondetect at reported concentration
		EPAMW12A	Y1XC0	N	25-May-05	3.6	U	µg/L		3.6	7	3.6	U	No action
		EPAMW17	Y1XC2	N	26-May-05	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW18	Y1XC3	N	25-May-05	0.12	J	µg/L		8.4	1	**0.12**	**U**	Nondetect at reported concentration
		EPAMW18	Y1XC4	D	25-May-05	0.13	J	µg/L		8.4	1	**0.13**	**U**	Nondetect at reported concentration
Volatile Organics (CLP)	Methylene Chloride	FLD-BLKE	Y1XC5	FB	26-May-05	0.14	J	µg/L		0.5	1			
		EPAMW11	Y1XC1	N	25-May-05	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW12A	Y1XC0	N	25-May-05	0.76	J	µg/L			7	**0.5**	**U**	Nondetect at reported concentration
		EPAMW17	Y1XC2	N	26-May-05	0.32	J	µg/L		0.5	1	**0.32**	**U**	Nondetect at reported concentration
		EPAMW18	Y1XC3	N	25-May-05	0.19	J	µg/L		0.5	1	**0.19**	**U**	Nondetect at reported concentration
		EPAMW18	Y1XC4	D	25-May-05	0.22	J	µg/L		0.5	1	**0.22**	**U**	Nondetect at reported concentration
Volatile Organics (CLP)	Tert-Butyl Alcohol	FLD-BLKE	Y1XC5	FB	26-May-05	6.1		µg/L		84	1			
		EPAMW11	Y1XC1	N	25-May-05	5	R	µg/L		84	1	5	R	No action
		EPAMW12A	Y1XC0	N	25-May-05	36	U	µg/L		36	7	36	U	No action
		EPAMW17	Y1XC2	N	26-May-05	5	U	µg/L		5	1	5	U	No action
		EPAMW18	Y1XC3	N	25-May-05	5	U	µg/L		5	1	5	U	No action
		EPAMW18	Y1XC4	D	25-May-05	5	U	µg/L		5	1	5	U	No action
Volatile Organics (CLP)	Acetone	EQUP-BLKE	Y3AM9	EB	09-May-07	32	J	µg/L		5	1			
		EPAMW15	Y3AM2	N	09-May-07	5	U	µg/L		5	1	5	U	No action
		EPAMW15	Y3AM3	N	09-May-07	5	U	µg/L		5	1	5	U	No action
		EPAMW15	Y3AM4	N	09-May-07	5	U	µg/L		5	1	5	U	No action
		EPAMW15	Y3AM5	N	09-May-07	5	U	µg/L		5	1	5	U	No action
		EPAMW15	Y3AM6	N	09-May-07	5	U	µg/L		5	1	5	U	No action
		EPAMW15	Y3AM7	D	09-May-07	5	U	µg/L		5	1	5	U	No action
		EPAMW15	Y3AM8	N	09-May-07	5	U	µg/L		5	1	5	U	No action
		EPAMW18	Y3AM1	N	09-May-07	5	U	µg/L		5	1	5	U	No action
Volatile Organics (CLP)	Toluene	EQUP-BLKE	Y3AM9	EB	09-May-07	0.3	J	µg/L		0.5	1			
		EPAMW15	Y3AM2	N	09-May-07	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW15	Y3AM3	N	09-May-07	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW15	Y3AM4	N	09-May-07	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW15	Y3AM5	N	09-May-07	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW15	Y3AM6	N	09-May-07	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW15	Y3AM7	D	09-May-07	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW15	Y3AM8	N	09-May-07	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW18	Y3AM1	N	09-May-07	0.5	U	µg/L		0.5	1	0.5	U	No action
EPA Method 607/1625M-NDMA	N-Nitrosodimethylamine	EQUP-BLKE	Y2HN5	EB	02-Jun-06	2	J	ng/L		2	1			
		EPAMW16	Y2HN3	N	02-Jun-06	2	J	ng/L		2	1	**2**	**U**	Nondetect at reported concentration
		EPAMW16	Y2HN4	N	02-Jun-06	2	UJ	ng/L		2	1	2	UJ	No action
		EPAMW16	Y2HN6	N	02-Jun-06	2	UJ	ng/L		2	1	2	UJ	No action
EPA Method 8270C	Bis(2-ethylhexyl)phthalate	EQUP-BLKE	Y2HN5	EB	02-Jun-06	3.1	J	µg/L	0.5	1.1	1			
		EPAMW16	Y2HN3	N	02-Jun-06	4	J	µg/L	0.5	1	1	**4**	**U**	Nondetect at reported concentration
		EPAMW16	Y2HN4	N	02-Jun-06	2	J	µg/L	0.5	1	1	**2**	**U**	Nondetect at reported concentration
		EPAMW16	Y2HN6	N	02-Jun-06	4	J	µg/L	0.5	1.1	1	**4**	**U**	Nondetect at reported concentration
Volatile Organics (CLP)	1,1-Dichloroethene	EQUP-BLKE	Y2HN5	EB	02-Jun-06	0.17	J	µg/L		0.5	1			
		EPAMW16	Y2HN3	N	02-Jun-06	0.19	J	µg/L		0.5	1	**0.19**	**U**	Nondetect at reported concentration
		EPAMW16	Y2HN4	N	02-Jun-06	0.21	J	µg/L		0.5	1	**0.21**	**U**	Nondetect at reported concentration
		EPAMW16	Y2HN6	N	02-Jun-06	0.5	U	µg/L		0.5	1	0.5	U	No action

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mg/L = milligram(s) per liter
µg/L = microgram(s) per liter
ng/L = nanogram(s) per liter

J = Estimated Value
L = Result May be Biased Low
LJ = Estimated Value, Result May be Biased Low
R = Rejected
U = Non-Detect
UJ = Non-Detect Estimated Value
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TABLE C-3
Field Blank Evaluation
Remedial Investigation
San Gabriel Valley Area 3 Superfund Site

Method	Parameter	Location	Original Sample ID	QA/QC Type	Sample Date	Result	Q	Units	DL	RL	Dilution	Final Result	Final Qualifier	Comment
Dissolved Metal (CLP)	Barium	EQUP-BLKE	Y2HN5	EB	02-Jun-06	0.28	J	µg/L	0.053	10	1			
		EPAMW16	Y2HN3	N	02-Jun-06	10		µg/L	0.053	10	1	**10**	**U**	Nondetect at reported concentration
		EPAMW16	Y2HN4	N	02-Jun-06	15.1		µg/L	0.053	10	1	**15.1**	**J**	Estimated at reported concentration
		EPAMW16	Y2HN6	N	02-Jun-06	12.2		µg/L	0.053	10	1	**12.2**	**J**	Estimated at reported concentration
Dissolved Metal (CLP)	Beryllium	EQUP-BLKE	Y2HN5	EB	02-Jun-06	0.02	J	µg/L	0.018	1	1			
		EPAMW16	Y2HN3	N	02-Jun-06	1	U	µg/L	0.018	1	1	1	U	No action
		EPAMW16	Y2HN4	N	02-Jun-06	1	U	µg/L	0.018	1	1	1	U	No action
		EPAMW16	Y2HN6	N	02-Jun-06	1	U	µg/L	0.018	1	1	1	U	No action
Dissolved Metal (CLP)	Cadmium	EQUP-BLKE	Y2HN5	EB	02-Jun-06	0.03	J	µg/L	0.016	1	1			
		EPAMW16	Y2HN3	N	02-Jun-06	1	U	µg/L	0.016	1	1	1	U	No action
		EPAMW16	Y2HN4	N	02-Jun-06	1	U	µg/L	0.016	1	1	1	U	No action
		EPAMW16	Y2HN6	N	02-Jun-06	1	U	µg/L	0.016	1	1	1	U	No action
Dissolved Metal (CLP)	Chromium (Total)	EQUP-BLKE	Y2HN5	EB	02-Jun-06	0.13	J	µg/L	0.045	2	1			
		EPAMW16	Y2HN3	N	02-Jun-06	1.2	J	µg/L	0.045	2	1	**1.2**	**U**	Nondetect at reported concentration
		EPAMW16	Y2HN4	N	02-Jun-06	1.2	J	µg/L	0.045	2	1	**1.2**	**U**	Nondetect at reported concentration
		EPAMW16	Y2HN6	N	02-Jun-06	0.81	UJ	µg/L	0.045	2	1	0.81	UJ	No action
Dissolved Metal (CLP)	Molybdenum	EQUP-BLKE	Y2HN5	EB	02-Jun-06	0.08		µg/L	0.044	1	1			
		EPAMW16	Y2HN3	N	02-Jun-06	6.5		µg/L	0.044	1	1	**6.5**	**J**	Estimated at reported concentration
		EPAMW16	Y2HN4	N	02-Jun-06	6.1		µg/L	0.044	1	1	**6.1**	**J**	Estimated at reported concentration
		EPAMW16	Y2HN6	N	02-Jun-06	9.2		µg/L	0.044	1	1	**9.2**	**J**	Estimated at reported concentration
Dissolved Metal (CLP)	Zinc	EQUP-BLKE	Y2HN5	EB	02-Jun-06	15.6		µg/L	0.25	2	1			
		EPAMW16	Y2HN3	N	02-Jun-06	1.7	UJ	µg/L	0.25	2	1	1.7	UJ	No action
		EPAMW16	Y2HN4	N	02-Jun-06	4.6		µg/L	0.25	2	1	**4.6**	**J**	Estimated at reported concentration
		EPAMW16	Y2HN6	N	02-Jun-06	6		µg/L	0.25	2	1	**6**	**J**	Estimated at reported concentration
EPA Method 607/1625M-NDMA	N-Nitrosodimethylamine	EQUP-BLKE	Y2HN9	EB	05-Jun-06	2.37		ng/L		2	1			
		EPAMW16	Y2HN7	N	05-Jun-06	2	J	ng/L		2	1	**2**	**U**	Nondetect at reported concentration
		EPAMW16	Y2HN8	N	05-Jun-06	2	J	ng/L		2	1	**2**	**U**	Nondetect at reported concentration
EPA Method 8270C	1,4-Dioxane	EQUP-BLKE	Y2HN9	EB	05-Jun-06	0.6	J	µg/L	0.5	1	1			
		EPAMW16	Y2HN7	N	05-Jun-06	0.6	J	µg/L	0.5	1	1	**0.6**	**U**	Nondetect at reported concentration
		EPAMW16	Y2HN8	N	05-Jun-06	0.7	J	µg/L	0.6	1.1	1	**0.7**	**U**	Nondetect at reported concentration
Volatile Organics (CLP)	Toluene	EQUP-BLKE	Y2HN9	EB	05-Jun-06	0.13	J	µg/L		0.5	1			
		EPAMW16	Y2HN7	N	05-Jun-06	0.5	UJ	µg/L		0.5	1	0.5	UJ	No action
		EPAMW16	Y2HN8	N	05-Jun-06	0.5	UJ	µg/L		0.5	1	0.5	UJ	No action
Dissolved Metal (CLP)	Barium	EQUP-BLKE	Y2HN9	EB	05-Jun-06	0.3	J	µg/L	0.053	10	1			
		EPAMW16	Y2HN7	N	05-Jun-06	24.3		µg/L	0.053	10	1	**24.3**	**J**	Estimated at reported concentration
		EPAMW16	Y2HN8	N	05-Jun-06	35.3		µg/L	0.053	10	1	**35.3**	**J**	Estimated at reported concentration
Dissolved Metal (CLP)	Beryllium	EQUP-BLKE	Y2HN9	EB	05-Jun-06	0.02	J	µg/L	0.018	1	1			
		EPAMW16	Y2HN7	N	05-Jun-06	1	U	µg/L	0.018	1	1	1	U	No action
		EPAMW16	Y2HN8	N	05-Jun-06	1	U	µg/L	0.018	1	1	1	U	No action
Dissolved Metal (CLP)	Cadmium	EQUP-BLKE	Y2HN9	EB	05-Jun-06	0.18	J	µg/L	0.016	1	1			
		EPAMW16	Y2HN7	N	05-Jun-06	1	U	µg/L	0.016	1	1	1	U	No action
		EPAMW16	Y2HN8	N	05-Jun-06	1	U	µg/L	0.016	1	1	1	U	No action
Dissolved Metal (CLP)	Chromium (Total)	EQUP-BLKE	Y2HN9	EB	05-Jun-06	0.16	J	µg/L	0.045	2	1			
		EPAMW16	Y2HN7	N	05-Jun-06	4.3		µg/L	0.045	2	1	**4.3**	**J**	Estimated at reported concentration
		EPAMW16	Y2HN8	N	05-Jun-06	2		µg/L	0.045	2	1	**2**	**J**	Nondetect at reported concentration
Dissolved Metal (CLP)	Molybdenum	EQUP-BLKE	Y2HN9	EB	05-Jun-06	1		µg/L	0.044	1	1			
		EPAMW16	Y2HN7	N	05-Jun-06	7.7		µg/L	0.044	1	1	**7.7**	**J**	Estimated at reported concentration
		EPAMW16	Y2HN8	N	05-Jun-06	6.9		µg/L	0.044	1	1	**6.9**	**J**	Estimated at reported concentration

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TABLE C-3
Field Blank Evaluation
Remedial Investigation
San Gabriel Valley Area 3 Superfund Site

Method	Parameter	Location	Original Sample ID	QA/QC Type	Sample Date	Result	Q	Units	DL	RL	Dilution	Final Result	Final Qualifier	Comment
Dissolved Metal (CLP)	Zinc	EQUP-BLKE	Y2HN9	EB	05-Jun-06	52.9		µg/L	0.25	2	1			
		EPAMW16	Y2HN7	N	05-Jun-06	11.6		µg/L	0.25	2	1	**11.6**	**J**	Estimated at reported concentration
		EPAMW16	Y2HN8	N	05-Jun-06	17.2		µg/L	0.25	2	1	**17.2**	**J**	Estimated at reported concentration
EPA Method 607/1625M-NDMA	N-Nitrosodimethylamine	EQUP-BLKE	Y2HP2	EB	06-Jun-06	2	J	ng/L		2	1			
		EPAMW16	Y2HP0	N	06-Jun-06	2	J	ng/L		2	1	**2**	**U**	Nondetect at reported concentration
		EPAMW16	Y2HP1	N	06-Jun-06	2	J	ng/L		2	1	**2**	**U**	Nondetect at reported concentration
Volatile Organics (CLP)	Acetone	EQUP-BLKE	Y2HP2	EB	06-Jun-06	7		µg/L		5	1			
		EPAMW16	Y2HP0	N	06-Jun-06	5	UJ	µg/L		5	1	5	UJ	No action
		EPAMW16	Y2HP1	N	06-Jun-06	5	UJ	µg/L		5	1	5	UJ	No action
Volatile Organics (CLP)	Toluene	EQUP-BLKE	Y2HP2	EB	06-Jun-06	0.11	J	µg/L		0.5	1			
		EPAMW16	Y2HP0	N	06-Jun-06	0.5	UJ	µg/L		0.5	1	0.5	UJ	No action
		EPAMW16	Y2HP1	N	06-Jun-06	0.5	U	µg/L		0.5	1	0.5	U	No action
Dissolved Metal (CLP)	Molybdenum	EQUP-BLKE	Y2HP2	EB	06-Jun-06	0.05		µg/L	0.044	1	1			
		EPAMW16	Y2HP0	N	06-Jun-06	9.3		µg/L	0.044	1	1	**9.3**	**J**	Estimated at reported concentration
		EPAMW16	Y2HP1	N	06-Jun-06	5.6		µg/L	0.044	1	1	**5.6**	**J**	Estimated at reported concentration
Dissolved Metal (CLP)	Zinc	EQUP-BLKE	Y2HP2	EB	06-Jun-06	5.5		µg/L	0.25	2	1			
		EPAMW16	Y2HP0	N	06-Jun-06	16.5		µg/L	0.25	2	1	**16.5**	**J**	Estimated at reported concentration
		EPAMW16	Y2HP1	N	06-Jun-06	4.5		µg/L	0.25	2	1	**4.5**	**J**	Estimated at reported concentration
Volatile Organics (CLP)	Carbon Disulfide	EQUP-BLKE	Y3ET0	EB	20-Aug-07	0.18	J	µg/L		0.5	1			
		EPAMW16	Y3ES6	N	20-Aug-07	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW16	Y3ES7	N	20-Aug-07	0.79		µg/L		0.5	1	0.79		No action
		EPAMW16	Y3ES8	N	20-Aug-07	0.38	J	µg/L		0.5	1	**0.38**	**U**	Nondetect at reported concentration
		EPAMW16	Y3ES9	N	20-Aug-07	0.6		µg/L		0.5	1	0.6		No action
Volatile Organics (CLP)	Toluene	EQUP-BLKE	Y3ET0	EB	20-Aug-07	0.18	J	µg/L		0.5	1			
		EPAMW16	Y3ES6	N	20-Aug-07	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW16	Y3ES7	N	20-Aug-07	0.12	J	µg/L		0.5	1	**0.12**	**U**	Nondetect at reported concentration
		EPAMW16	Y3ES8	N	20-Aug-07	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW16	Y3ES9	N	20-Aug-07	0.12	J	µg/L		0.5	1	**0.12**	**U**	Nondetect at reported concentration
Volatile Organics (CLP)	Toluene	EQUP-BLKE	Y3ET5	EB	21-Aug-07	0.13	J	µg/L		0.5	1			
		EPAMW16	Y3ET1	N	21-Aug-07	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW16	Y3ET2	N	21-Aug-07	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW16	Y3ET3	N	21-Aug-07	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW16	Y3ET4	D	21-Aug-07	0.5	U	µg/L		0.5	1	0.5	U	No action
EPA Method 8270-SIM	Dibenzo(a,h)Anthracene	FLD-BLKE	Y21C1	FB	22-Aug-05	0.02		µg/L		0.01	1			
		EPAMW12A	Y21B9	N	22-Aug-05	0.01	U	µg/L		0.01	1	0.01	U	No action
EPA Method 8270-SIM	Indeno(1,2,3-c,d)Pyrene	FLD-BLKE	Y21C1	FB	22-Aug-05	0.01		µg/L		0.01	1			
		EPAMW12A	Y21B9	N	22-Aug-05	0.01	U	µg/L		0.01	1	0.01	U	No action
Volatile Organics (CLP)	Acetone	FLD-BLKE	Y21C1	FB	22-Aug-05	3.6	LJ	µg/L		5	1			
		EPAMW12A	Y21B9	N	22-Aug-05	5	UJ	µg/L		5	1	5	UJ	No action
		EPAMW17	Y21C0	N	22-Aug-05	5	UJ	µg/L		5	1	5	UJ	No action
Dissolved Metal (CLP)	Calcium	EQUP-BLKE	Y2TC7	EB	22-Aug-06	24.3	J	µg/L	24.1	5000	1			
		EPAMW13	Y2TC1	N	22-Aug-06	38700		µg/L	24.1	5000	1	**38700**	**J**	Estimated at reported concentration
		EPAMW13	Y2TC2	N	22-Aug-06	11400		µg/L	24.1	5000	1	**11400**	**J**	Estimated at reported concentration
		EPAMW13	Y2TC3	N	22-Aug-06	21600		µg/L	24.1	5000	1	**21600**	**J**	Estimated at reported concentration
		EPAMW13	Y2TC4	N	22-Aug-06	76600		µg/L	24.1	5000	1	**76600**	**J**	Estimated at reported concentration
		EPAMW13	Y2TC5	N	22-Aug-06	55800		µg/L	24.1	5000	1	**55800**	**J**	Estimated at reported concentration
		EPAMW13	Y2TC6	D	22-Aug-06	58400		µg/L	24.1	5000	1	**58400**	**J**	Estimated at reported concentration

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TABLE C-3
Field Blank Evaluation
Remedial Investigation
San Gabriel Valley Area 3 Superfund Site

Method	Parameter	Location	Original Sample ID	QA/QC Type	Sample Date	Result	Q	Units	DL	RL	Dilution	Final Result	Final Qualifier	Comment
Volatile Organics (CLP)	Acetone	FLD-BLKE	Y21C6	FB	23-Aug-05	2.8	LJ	µg/L		5	1			
		1900012	Y21C4	N	23-Aug-05	5	UJ	µg/L		5	1	5	UJ	No action
		1900012	Y21C5	D	23-Aug-05	5	UJ	µg/L		5	1	5	UJ	No action
		EPAMW11	Y21C2	N	23-Aug-05	5	UJ	µg/L		5	1	5	UJ	No action
		EPAMW11	Y21C3	D	23-Aug-05	5	UJ	µg/L		5	1	5	UJ	No action
Dissolved Metal (CLP)	Chromium (Total)	FLD-BLKE	Y21C6	FB	23-Aug-05	0.2	LJ	µg/L	0.19	2	1			
		1900012	Y21C4	N	23-Aug-05	3.4		µg/L	0.19	2	1	**3.4**	**J**	Estimated at reported concentration
		1900012	Y21C5	D	23-Aug-05	3.1		µg/L	0.19	2	1	**3.1**	**J**	Estimated at reported concentration
		EPAMW11	Y21C2	N	23-Aug-05	11.8		µg/L	0.19	2	1	**11.8**	**J**	Estimated at reported concentration
		EPAMW11	Y21C3	D	23-Aug-05	11.9		µg/L	0.19	2	1	**11.9**	**J**	Estimated at reported concentration
		EPAMW12A	Y21B9	N	22-Aug-05	2	U	µg/L	0.19	2	1	2	U	No action
Dissolved Metal (CLP)	Zinc	FLD-BLKE	Y21C6	FB	23-Aug-05	0.82	LJ	µg/L	0.81	2	1			
		1900012	Y21C4	N	23-Aug-05	4.2		µg/L	0.81	2	1	**4.2**	**J**	Estimated at reported concentration
		1900012	Y21C5	D	23-Aug-05	11.1		µg/L	0.81	2	1	**11.1**	**J**	Estimated at reported concentration
		EPAMW11	Y21C2	N	23-Aug-05	3.1		µg/L	0.81	2	1	**3.1**	**J**	Estimated at reported concentration
		EPAMW11	Y21C3	D	23-Aug-05	2.6		µg/L	0.81	2	1	**2.6**	**J**	Estimated at reported concentration
		EPAMW12A	Y21B9	N	22-Aug-05	3.5		µg/L	0.81	2	1	**3.5**	**J**	Estimated at reported concentration
Dissolved Metal (CLP)	Calcium	EQUP-BLKE	Y2TD4	EB	23-Aug-06	46.1	J	µg/L	24.1	5000	1			
		EPAMW15	Y2TC8	N	23-Aug-06	6540		µg/L	24.1	5000	1	**6540**	**J**	Estimated at reported concentration
		EPAMW15	Y2TC9	N	23-Aug-06	26300		µg/L	24.1	5000	1	**26300**	**J**	Estimated at reported concentration
		EPAMW15	Y2TD0	N	23-Aug-06	28800		µg/L	24.1	5000	1	**28800**	**J**	Estimated at reported concentration
		EPAMW15	Y2TD1	N	23-Aug-06	29600		µg/L	24.1	5000	1	**29600**	**J**	Estimated at reported concentration
		EPAMW15	Y2TD2	N	23-Aug-06	47200		µg/L	24.1	5000	1	**47200**	**J**	Estimated at reported concentration
		EPAMW15	Y2TD3	N	23-Aug-06	19600		µg/L	24.1	5000	1	**19600**	**J**	Estimated at reported concentration
Dissolved Metal (CLP)	Potassium	EQUP-BLKE	Y2TD4	EB	23-Aug-06	41.4	J	µg/L	19.3	5000	1			
		EPAMW15	Y2TC8	N	23-Aug-06	1620	J	µg/L	19.3	5000	1	**1620**	**U**	Nondetect at reported concentration
		EPAMW15	Y2TC9	N	23-Aug-06	1740	J	µg/L	19.3	5000	1	**1740**	**U**	Nondetect at reported concentration
		EPAMW15	Y2TD0	N	23-Aug-06	1430	J	µg/L	19.3	5000	1	**1430**	**U**	Nondetect at reported concentration
		EPAMW15	Y2TD1	N	23-Aug-06	1500	J	µg/L	19.3	5000	1	**1500**	**U**	Nondetect at reported concentration
		EPAMW15	Y2TD2	N	23-Aug-06	1570	J	µg/L	19.3	5000	1	**1570**	**U**	Nondetect at reported concentration
		EPAMW15	Y2TD3	N	23-Aug-06	3120	J	µg/L	19.3	5000	1	**3120**	**U**	Nondetect at reported concentration
Dissolved Metal (CLP)	Copper	EQUP-BLKE	Y21D0	EB	24-Aug-05	0.29	LJ	µg/L	0.23	2	1			
		1900547	Y21C8	N	24-Aug-05	20		µg/L	0.23	2	1	**20**	**J**	Estimated at reported concentration
		1902979	Y21C7	N	24-Aug-05	1.2	LJ	µg/L	0.23	2	1	**1.2**	**U**	Nondetect at reported concentration
		EPAMW14	Y21C9	N	24-Aug-05	2	U	µg/L	0.23	2	1	2	U	No action
Dissolved Metal (CLP)	Barium	FLD-BLKE	Y2TE1	FB	24-Aug-06	2	J	µg/L	0.23	10	1			
		EPAMW17	Y2TD7	N	24-Aug-06	22.4		µg/L	0.23	10	1	**22.4**	**J**	Estimated at reported concentration
		EPAMW17	Y2TD8	D	24-Aug-06	20.6		µg/L	0.23	10	1	**20.6**	**J**	Estimated at reported concentration
		EPAMW18	Y2TD5	N	24-Aug-06	66.8		µg/L	0.23	10	1	**66.8**	**J**	Estimated at reported concentration
Dissolved Metal (CLP)	Boron	FLD-BLKE	Y2TE1	FB	24-Aug-06	0.93		µg/L	0.72	100	1			
		EPAMW17	Y2TD7	N	24-Aug-06	313		µg/L	0.72	100	1	**313**	**J**	Estimated at reported concentration
		EPAMW17	Y2TD8	D	24-Aug-06	298		µg/L	0.72	100	1	**298**	**J**	Estimated at reported concentration
		EPAMW18	Y2TD5	N	24-Aug-06	124		µg/L	0.72	100	1	**124**	**J**	Estimated at reported concentration
Dissolved Metal (CLP)	Molybdenum	FLD-BLKE	Y2TE1	FB	24-Aug-06	1		µg/L	0.092	1	1			
		EPAMW17	Y2TD7	N	24-Aug-06	163		µg/L	0.092	1	1	**163**	**J**	Estimated at reported concentration
		EPAMW17	Y2TD8	D	24-Aug-06	171		µg/L	0.092	1	1	**171**	**J**	Estimated at reported concentration
		EPAMW18	Y2TD5	N	24-Aug-06	29.9		µg/L	0.092	1	1	**29.9**	**J**	Estimated at reported concentration

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TABLE C-3
Field Blank Evaluation
Remedial Investigation
San Gabriel Valley Area 3 Superfund Site

Method	Parameter	Location	Original Sample ID	QA/QC Type	Sample Date	Result	Q	Units	DL	RL	Dilution	Final Result	Final Qualifier	Comment
Dissolved Metal (CLP)	Vanadium	FLD-BLKE	Y2TE1	FB	24-Aug-06	10.2	J	µg/L	0.12	1	1			
		EPAMW17	Y2TD7	N	24-Aug-06	1.2	J	µg/L	0.12	1	1	1.2	J	No action
		EPAMW17	Y2TD8	D	24-Aug-06	2.9	J	µg/L	0.12	1	1	2.9	J	No action
		EPAMW18	Y2TD5	N	24-Aug-06	3.6	J	µg/L	0.12	1	1	3.6	J	No action
Volatile Organics (CLP)	Acetone	EQUP-BLKE	Y2TE9	EB	25-Aug-06	16	J	µg/L		5	1			
		EPAMW16	Y2TE2	N	25-Aug-06	5	R	µg/L		5	1	5	R	No action
		EPAMW16	Y2TE3	N	25-Aug-06	5	R	µg/L		5	1	5	R	No action
		EPAMW16	Y2TE4	N	25-Aug-06	5	R	µg/L		5	1	5	R	No action
		EPAMW16	Y2TE5	N	25-Aug-06	5	R	µg/L		5	1	5	R	No action
		EPAMW16	Y2TE6	N	25-Aug-06	5	R	µg/L		5	1	5	R	No action
		EPAMW16	Y2TE7	N	25-Aug-06	5	R	µg/L		5	1	5	R	No action
		EPAMW16	Y2TE8	N	25-Aug-06	5	R	µg/L		5	1	5	R	No action
Volatile Organics (CLP)	Acetone	EQUP-BLKE	Y21D4	EB	26-Aug-05	6	J	µg/L		5	1			
		EPAMW14	Y21D1	N	26-Aug-05	5	UJ	µg/L		5	1	5	UJ	No action
		EPAMW14	Y21D3	N	26-Aug-05	10	UJ	µg/L		10	2	10	UJ	No action
Volatile Organics (CLP)	Bromomethane	EQUP-BLKE	Y21D4	EB	26-Aug-05	0.29	LJ	µg/L		0.5	1			
		EPAMW14	Y21D1	N	26-Aug-05	0.5	UJ	µg/L		0.5	1	0.5	UJ	No action
		EPAMW14	Y21D3	N	26-Aug-05	1	UJ	µg/L		1	2	1	UJ	No action
Volatile Organics (CLP)	Vinyl Chloride	EQUP-BLKE	Y21D4	EB	26-Aug-05	0.1	LJ	µg/L		0.5	1			
		EPAMW14	Y21D1	N	26-Aug-05	0.5	UJ	µg/L		0.5	1	0.5	UJ	No action
		EPAMW14	Y21D3	N	26-Aug-05	1	UJ	µg/L		1	2	1	UJ	No action
Dissolved Metal (CLP)	Barium	EQUP-BLKE	Y21D4	EB	26-Aug-05	6.2	LJ	µg/L	0.11	10	1			
		EPAMW14	Y21D1	N	26-Aug-05	15.6		µg/L	0.11	10	1	**15.6**	**J**	Estimated at reported concentration
		EPAMW14	Y21D3	N	26-Aug-05	103		µg/L	0.11	10	1	**10.3**	**J**	Estimated at reported concentration
Dissolved Metal (CLP)	Copper	EQUP-BLKE	Y21D4	EB	26-Aug-05	0.33	LJ	µg/L	0.23	2	1			
		EPAMW14	Y21D1	N	26-Aug-05	3		µg/L	0.23	2	1	**3**	**J**	Estimated at reported concentration
		EPAMW14	Y21D3	N	26-Aug-05	2	U	µg/L	0.23	2	1	2	U	No action
Dissolved Metal (CLP)	Nickel	EQUP-BLKE	Y21D4	EB	26-Aug-05	0.33	LJ	µg/L	0.29	1	1			
		EPAMW14	Y21D1	N	26-Aug-05	1.9		µg/L	0.29	1	1	**1.9**	**J**	Estimated at reported concentration
		EPAMW14	Y21D3	N	26-Aug-05	2.1		µg/L	0.29	1	1	**2.1**	**J**	Estimated at reported concentration
Dissolved Metal (CLP)	Zinc	EQUP-BLKE	Y21D4	EB	26-Aug-05	6.7		µg/L	0.81	2	1			
		EPAMW14	Y21D1	N	26-Aug-05	2.7	J	µg/L	0.81	2	1	2.7	J	No action
		EPAMW14	Y21D3	N	26-Aug-05	19.9	J	µg/L	0.81	2	1	19.9	J	No action
Volatile Organics (CLP)	Acetone	EQUP-BLKE	Y2TF5	EB	28-Aug-06	40	J	µg/L		5	1			
		EPAMW14	Y2TF0	N	28-Aug-06	5	R	µg/L		5	1	5	R	No action
		EPAMW14	Y2TF1	N	28-Aug-06	5	R	µg/L		5	1	5	R	No action
		EPAMW14	Y2TF2	N	28-Aug-06	5	R	µg/L		5	1	5	R	No action
		EPAMW14	Y2TF3	N	28-Aug-06	5	R	µg/L		5	1	5	R	No action
		EPAMW14	Y2TF4	D	28-Aug-06	5	R	µg/L		5	1	5	R	No action
Volatile Organics (CLP)	Tert-Butyl Alcohol	EQUP-BLKE	Y2TF5	EB	28-Aug-06	7.2		µg/L		5	1			
		EPAMW14	Y2TF0	N	28-Aug-06	5	U	µg/L		5	1	5	U	No action
		EPAMW14	Y2TF1	N	28-Aug-06	5	U	µg/L		5	1	5	U	No action
		EPAMW14	Y2TF2	N	28-Aug-06	5	U	µg/L		5	1	5	U	No action
		EPAMW14	Y2TF3	N	28-Aug-06	5	U	µg/L		5	1	5	U	No action
		EPAMW14	Y2TF4	D	28-Aug-06	5	U	µg/L		5	1	5	U	No action
Dissolved Metal (CLP)	Copper	EQUP-BLKE	Y21D6	EB	29-Aug-05	0.35	LJ	µg/L	0.23	2	1			
		EPAMW14	Y21D5	N	29-Aug-05	2	U	µg/L	0.23	2	1	2	U	No action
Dissolved Metal (CLP)	Zinc	EQUP-BLKE	Y21D6	EB	29-Aug-05	2.4		µg/L	0.81	2	1			
		EPAMW14	Y21D5	N	29-Aug-05	2.3	J	µg/L	0.81	2	1	2.3	J	No action

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TABLE C-3
Field Blank Evaluation
Remedial Investigation
San Gabriel Valley Area 3 Superfund Site

Method	Parameter	Location	Original Sample ID	QA/QC Type	Sample Date	Result	Q	Units	DL	RL	Dilution	Final Result	Final Qualifier	Comment
Volatile Organics (CLP)	2-Butanone	EQUP-BLKE	Y1DP1	EB	03-Aug-04	4.9	LJ	µg/L		84	1			
		EPAMW11	Y1DN5	N	03-Aug-04	5	U	µg/L		5	1	5	U	No action
		EPAMW13	Y1DN6	N	03-Aug-04	5	U	µg/L		5	1	5	U	No action
		EPAMW13	Y1DN7	N	03-Aug-04	5	U	µg/L		5	1	5	U	No action
		EPAMW13	Y1DN8	N	03-Aug-04	5	U	µg/L		5	1	5	U	No action
		EPAMW13	Y1DN9	N	03-Aug-04	5	U	µg/L		5	1	5	U	No action
		EPAMW13	Y1DP0	N	03-Aug-04	5	U	µg/L		5	1	5	U	No action
Volatile Organics (CLP)	Acetone	EQUP-BLKE	Y1DP1	EB	03-Aug-04	7.8	J	µg/L		84	1			
		EPAMW11	Y1DN5	N	03-Aug-04	5	UJ	µg/L		84	1	5	UJ	No action
		EPAMW13	Y1DN6	N	03-Aug-04	5	UJ	µg/L		5	1	5	UJ	No action
		EPAMW13	Y1DN7	N	03-Aug-04	5	UJ	µg/L		5	1	5	UJ	No action
		EPAMW13	Y1DN8	N	03-Aug-04	5	UJ	µg/L		5	1	5	UJ	No action
		EPAMW13	Y1DN9	N	03-Aug-04	5	UJ	µg/L		5	1	5	UJ	No action
		EPAMW13	Y1DP0	N	03-Aug-04	5	UJ	µg/L		5	1	5	UJ	No action
Volatile Organics (CLP)	Methyl Tert-Butyl Ether	EQUP-BLKE	Y1DP1	EB	03-Aug-04	0.55		µg/L		8.4	1			
		EPAMW11	Y1DN5	N	03-Aug-04	0.5	UJ	µg/L		8.4	1	0.5	UJ	No action
		EPAMW13	Y1DN6	N	03-Aug-04	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW13	Y1DN7	N	03-Aug-04	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW13	Y1DN8	N	03-Aug-04	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW13	Y1DN9	N	03-Aug-04	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW13	Y1DP0	N	03-Aug-04	0.5	U	µg/L		0.5	1	0.5	U	No action
Volatile Organics (CLP)	Acetone	EQUP-BLKE	Y21D9	EB	30-Aug-05	2.8	J	µg/L		5	1			
		EPAMW13	Y21D7	N	30-Aug-05	3.5	J	µg/L		5	1	**3.5**	**U**	Nondetect at reported concentration
		EPAMW13	Y21D8	N	30-Aug-05	3	J	µg/L		5	1	**3**	**U**	Nondetect at reported concentration
		EPAMW13	Y21E0	N	30-Aug-05	5	U	µg/L		5	1	5	U	No action
Volatile Organics (CLP)	Carbon Disulfide	EQUP-BLKE	Y21D9	EB	30-Aug-05	0.23	J	µg/L		0.5	1			
		EPAMW13	Y21D7	N	30-Aug-05	3.8		µg/L		0.5	1	3.8		No action
		EPAMW13	Y21D8	N	30-Aug-05	2.9		µg/L		0.5	1	2.9		No action
		EPAMW13	Y21E0	N	30-Aug-05	0.5	U	µg/L		0.5	1	0.5	U	No action
Dissolved Metal (CLP)	Zinc	EQUP-BLKE	Y21D9	EB	30-Aug-05	11.2		µg/L	0.81	2	1			
		EPAMW13	Y21D7	N	30-Aug-05	2.3	J	µg/L	0.81	2	1	2.3	J	No action
		EPAMW13	Y21D8	N	30-Aug-05	2	U	µg/L	0.81	2	1	2	U	No action
		EPAMW13	Y21E0	N	30-Aug-05	5.8	J	µg/L	0.81	2	1	5.8	J	No action
Dissolved Metal (CLP)	Antimony	EQUP-BLKE	Y21E2	EB	31-Aug-05	2.7		µg/L	0.17	2	1			
		EPAMW13	Y21E1	N	31-Aug-05	2.3	J	µg/L	0.17	2	1	2.3	J	No action
		EPAMW13	Y21E3	N	31-Aug-05	2.8	J	µg/L	0.17	2	1	2.8	J	No action
Dissolved Metal (CLP)	Chromium (Total)	EQUP-BLKE	Y21E2	EB	31-Aug-05	0.27	LJ	µg/L	0.19	2	1			
		EPAMW13	Y21E1	N	31-Aug-05	4.9		µg/L	0.19	2	1	**4.9**	**J**	Estimated at reported concentration
		EPAMW13	Y21E3	N	31-Aug-05	2	U	µg/L	0.19	2	1	2	U	No action
Dissolved Metal (CLP)	Zinc	EQUP-BLKE	Y21E2	EB	31-Aug-05	80.2		µg/L	0.81	2	1			
		EPAMW13	Y21E1	N	31-Aug-05	129	J	µg/L	0.81	2	1	**129**	**U**	Nondetect at reported concentration
		EPAMW13	Y21E3	N	31-Aug-05	78.7	J	µg/L	0.81	2	1	**78.7**	**U**	Nondetect at reported concentration

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Field Blank Evaluation
Remedial Investigation
San Gabriel Valley Area 3 Superfund Site

Method	Parameter	Location	Original Sample ID	QA/QC Type	Sample Date	Result	Q	Units	DL	RL	Dilution	Final Result	Final Qualifier	Comment
Volatile Organics (CLP)	2-Butanone	EQUP-BLKE	Y1DP9	EB	04-Aug-04	4.1	LJ	µg/L		84	1			
		EPAMW12A	Y1DQ0	N	04-Aug-04	5	U	µg/L		5	1	5	U	No action
		EPAMW12A	Y1DQ1	D	04-Aug-04	5	U	µg/L		5	1	5	U	No action
		EPAMW15	Y1DP2	N	04-Aug-04	5	U	µg/L		5	1	5	U	No action
		EPAMW15	Y1DP3	N	04-Aug-04	5	UJ	µg/L		84	1	5	UJ	No action
		EPAMW15	Y1DP4	N	04-Aug-04	5	U	µg/L		5	1	5	U	No action
		EPAMW15	Y1DP5	N	04-Aug-04	5	U	µg/L		5	1	5	U	No action
		EPAMW15	Y1DP6	N	04-Aug-04	5	UJ	µg/L		84	1	5	UJ	No action
		EPAMW15	Y1DP7	D	04-Aug-04	5	UJ	µg/L		84	1	5	UJ	No action
		EPAMW15	Y1DP8	N	04-Aug-04	5	U	µg/L		5	1	5	U	No action
Volatile Organics (CLP)	Acetone	EQUP-BLKE	Y1DP9	EB	04-Aug-04	7.9	J	µg/L		84	1			
		EPAMW12A	Y1DQ0	N	04-Aug-04	5	UJ	µg/L		84	1	5	UJ	No action
		EPAMW12A	Y1DQ1	D	04-Aug-04	5	UJ	µg/L		5	1	5	UJ	No action
		EPAMW15	Y1DP2	N	04-Aug-04	5	UJ	µg/L		5	1	5	UJ	No action
		EPAMW15	Y1DP3	N	04-Aug-04	5	UJ	µg/L		5	1	5	UJ	No action
		EPAMW15	Y1DP4	N	04-Aug-04	5	UJ	µg/L		5	1	5	UJ	No action
		EPAMW15	Y1DP5	N	04-Aug-04	5	UJ	µg/L		5	1	5	UJ	No action
		EPAMW15	Y1DP6	N	04-Aug-04	5	UJ	µg/L		84	1	5	UJ	No action
		EPAMW15	Y1DP7	D	04-Aug-04	5	UJ	µg/L		5	1	5	UJ	No action
		EPAMW15	Y1DP8	N	04-Aug-04	5	UJ	µg/L		5	1	5	UJ	No action
Volatile Organics (CLP)	Methyl Tert-Butyl Ether	EQUP-BLKE	Y1DP9	EB	04-Aug-04	0.54		µg/L		8.4	1			
		EPAMW12A	Y1DQ0	N	04-Aug-04	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW12A	Y1DQ1	D	04-Aug-04	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW15	Y1DP2	N	04-Aug-04	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW15	Y1DP3	N	04-Aug-04	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW15	Y1DP4	N	04-Aug-04	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW15	Y1DP5	N	04-Aug-04	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW15	Y1DP6	N	04-Aug-04	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW15	Y1DP7	D	04-Aug-04	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW15	Y1DP8	N	04-Aug-04	0.5	U	µg/L		0.5	1	0.5	U	No action
Volatile Organics (CLP)	2-Butanone	EQUP-BLKE	Y1DQ6	EB	05-Aug-04	1.4	J	µg/L		84	1			
		EPAMW14	Y1DQ2	N	05-Aug-04	5	U	µg/L		5	1	5	U	No action
		EPAMW14	Y1DQ3	N	05-Aug-04	5	U	µg/L		5	1	5	U	No action
		EPAMW14	Y1DQ4	N	05-Aug-04	5	U	µg/L		5	1	5	U	No action
		EPAMW14	Y1DQ5	N	05-Aug-04	5	U	µg/L		5	1	5	U	No action
Volatile Organics (CLP)	Acetone	EQUP-BLKE	Y1DQ6	EB	05-Aug-04	5.9		µg/L		84	1			
		EPAMW14	Y1DQ2	N	05-Aug-04	2.8	J	µg/L		84	1	**2.8**	**U**	Nondetect at reported concentration
		EPAMW14	Y1DQ3	N	05-Aug-04	5	U	µg/L		5	1	5	U	No action
		EPAMW14	Y1DQ4	N	05-Aug-04	5	U	µg/L		5	1	5	U	No action
		EPAMW14	Y1DQ5	N	05-Aug-04	3.5	J	µg/L		84	1	**3.5**	**U**	Nondetect at reported concentration
Volatile Organics (CLP)	cis-1,3-Dichloropropene	EQUP-BLKE	Y1DQ6	EB	05-Aug-04	0.1	J	µg/L		8.4	1			
		EPAMW14	Y1DQ2	N	05-Aug-04	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW14	Y1DQ3	N	05-Aug-04	0.5	U	µg/L		0.5	1	0.5	U	No action
		EPAMW14	Y1DQ4	N	05-Aug-04	0.5	UJ	µg/L		0.5	1	0.5	UJ	No action
		EPAMW14	Y1DQ5	N	05-Aug-04	0.5	U	µg/L		0.5	1	0.5	U	No action

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mg/L = milligram(s) per liter
µg/L = microgram(s) per liter
ng/L = nanogram(s) per liter

J = Estimated Value
L = Result May be Biased Low
LJ = Estimated Value, Result May be Biased Low
R = Rejected
U = Non-Detect
UJ = Non-Detect Estimated Value
UR = Rejected Non-Detect

TABLE C-3
Field Blank Evaluation
Remedial Investigation
San Gabriel Valley Area 3 Superfund Site

Method	Parameter	Location	Original Sample ID	QA/QC Type	Sample Date	Result	Q	Units	DL	RL	Dilution	Final Result	Final Qualifier	Comment
Dissolved Metal (CLP)	Antimony	EQUP-BLKE	Y21E7	EB	02-Sep-05	2.1		µg/L	0.17	2	1			
		EPAMW15	Y21E5	N	02-Sep-05	2.7	J	µg/L	0.17	2	1	2.7	J	No action
		EPAMW15	Y21E6	N	02-Sep-05	2.7	J	µg/L	0.17	2	1	2.7	J	No action
		EPAMW15	Y21E8	N	02-Sep-05	2.2	J	µg/L	0.17	2	1	2.2	J	No action
Dissolved Metal (CLP)	Chromium (Total)	EQUP-BLKE	Y21E7	EB	02-Sep-05	0.29	LJ	µg/L	0.19	2	1			
		EPAMW15	Y21E5	N	02-Sep-05	2	U	µg/L	0.19	2	1	2	U	No action
		EPAMW15	Y21E6	N	02-Sep-05	2	U	µg/L	0.19	2	1	2	U	No action
		EPAMW15	Y21E8	N	02-Sep-05	7.1		µg/L	0.19	2	1	**7.1**	**J**	Estimated at reported concentration
Dissolved Metal (CLP)	Copper	EQUP-BLKE	Y21E7	EB	02-Sep-05	0.64	LJ	µg/L	0.23	2	1			
		EPAMW15	Y21E5	N	02-Sep-05	2	U	µg/L	0.23	2	1	2	U	No action
		EPAMW15	Y21E6	N	02-Sep-05	2	U	µg/L	0.23	2	1	2	U	No action
		EPAMW15	Y21E8	N	02-Sep-05	2	U	µg/L	0.23	2	1	2	U	No action
Dissolved Metal (CLP)	Zinc	EQUP-BLKE	Y21E7	EB	02-Sep-05	76.6		µg/L	0.81	2	1			
		EPAMW15	Y21E5	N	02-Sep-05	66.2	J	µg/L	0.81	2	1	**66.2**	**U**	Nondetect at reported concentration
		EPAMW15	Y21E6	N	02-Sep-05	74.7	J	µg/L	0.81	2	1	**74.7**	**U**	Nondetect at reported concentration
		EPAMW15	Y21E8	N	02-Sep-05	73.9	J	µg/L	0.81	2	1	**73.9**	**U**	Nondetect at reported concentration
Volatile Organics (CLP)	Acetone	EQUP-BLKE	Y21F0	EB	06-Sep-05	3.2	J	µg/L		5	1			
		EPAMW15	Y21E9	N	06-Sep-05	5	U	µg/L		5	1	5	U	No action
		EPAMW15	Y21F1	N	06-Sep-05	2.8	J	µg/L		5	1	**2.8**	**U**	Nondetect at reported concentration
Dissolved Metal (CLP)	Arsenic	EQUP-BLKE	Y21F0	EB	06-Sep-05	0.27	LJ	µg/L	0.21	1	1			
		EPAMW15	Y21E9	N	06-Sep-05	1	U	µg/L	0.21	1	1	1	U	No action
		EPAMW15	Y21F1	N	06-Sep-05	1	U	µg/L	0.21	1	1	1	U	No action
Dissolved Metal (CLP)	Selenium	EQUP-BLKE	Y21F0	EB	06-Sep-05	1.1	LJ	µg/L	0.62	5	1			
		EPAMW15	Y21E9	N	06-Sep-05	5	U	µg/L	0.62	5	1	5	U	No action
		EPAMW15	Y21F1	N	06-Sep-05	5	U	µg/L	0.62	5	1	5	U	No action
Volatile Organics (CLP)	Acetone	EQUP-BLKE	Y21F4	EB	07-Sep-05	2.7	J	µg/L		5	1			
		EPAMW15	Y21F2	N	07-Sep-05	2.4	J	µg/L		5	1	**2.4**	**U**	Nondetect at reported concentration
		EPAMW15	Y21F3	D	07-Sep-05	3.6	J	µg/L		5	1	**3.6**	**U**	Nondetect at reported concentration
Dissolved Metal (CLP)	Aluminum	EQUP-BLKE	Y21F4	EB	07-Sep-05	41.3	L	µg/L	14.8	200	1			
		EPAMW15	Y21F2	N	07-Sep-05	200	U	µg/L	14.8	200	1	200	U	No action
		EPAMW15	Y21F3	D	07-Sep-05	200	U	µg/L	14.8	200	1	200	U	No action
Dissolved Metal (CLP)	Antimony	EQUP-BLKE	Y21F4	EB	07-Sep-05	2.4		µg/L	0.17	2	1			
		EPAMW15	Y21F2	N	07-Sep-05	2	J	µg/L	0.17	2	1	**2**	**U**	Nondetect at reported concentration
		EPAMW15	Y21F3	D	07-Sep-05	2.3	J	µg/L	0.17	2	1	2.3	J	No action
Dissolved Metal (CLP)	Chromium (Total)	EQUP-BLKE	Y21F4	EB	07-Sep-05	0.4	LJ	µg/L	0.19	2	1			
		EPAMW15	Y21F2	N	07-Sep-05	2.7		µg/L	0.19	2	1	**2.7**	**J**	Estimated at reported concentration
		EPAMW15	Y21F3	D	07-Sep-05	3		µg/L	0.19	2	1	**3**	**J**	Estimated at reported concentration
Dissolved Metal (CLP)	Copper	EQUP-BLKE	Y21F4	EB	07-Sep-05	2.2		µg/L	0.23	2	1			
		EPAMW15	Y21F2	N	07-Sep-05	2	U	µg/L	0.23	2	1	2	U	No action
		EPAMW15	Y21F3	D	07-Sep-05	2	U	µg/L	0.23	2	1	2	U	No action

Notes:

Bold Text indicates where final results have been further qualified based on field blank contamination.

D = Field Duplicate
EB = Equipment Blank
FB = Field Blank
N = Primary Sample
mg/L = milligram(s) per liter
µg/L = microgram(s) per liter
ng/L = nanogram(s) per liter

J = Estimated Value
L = Result May be Biased Low
LJ = Estimated Value, Result May be Biased Low
R = Rejected
U = Non-Detect
UJ = Non-Detect Estimated Value
UR = Rejected Non-Detect

TABLE C-3
Field Blank Evaluation
Remedial Investigation
San Gabriel Valley Area 3 Superfund Site

Method	Parameter	Location	Original Sample ID	QA/QC Type	Sample Date	Result	Q	Units	DL	RL	Dilution	Final Result	Final Qualifier	Comment
Dissolved Metal (CLP)	Zinc	EQUP-BLKE	Y21F4	EB	07-Sep-05	73.7		µg/L	0.81	2	1			
		EPAMW15	Y21F2	N	07-Sep-05	64.8	J	µg/L	0.81	2	1	**64.8**	**U**	Nondetect at reported concentration
		EPAMW15	Y21F3	D	07-Sep-05	63.9	J	µg/L	0.81	2	1	**63.9**	**U**	Nondetect at reported concentration
Volatile Organics (CLP)	Acetone	EQUP-BLKE	Y21F6	EB	09-Sep-05	21		µg/L		5	1			
		EPAMW18	Y21F5	N	09-Sep-05	5	U	µg/L		5	1	5	U	No action
Volatile Organics (CLP)	Tert-Butyl Alcohol	EQUP-BLKE	Y21F6	EB	09-Sep-05	17		µg/L		5	1			
		EPAMW18	Y21F5	N	09-Sep-05	5	UR	µg/L		5	1	5	UR	No action
Dissolved Metal (CLP)	Copper	EQUP-BLKE	Y21F6	EB	09-Sep-05	0.28	J	µg/L	0.23	2	1			
		EPAMW18	Y21F5	N	09-Sep-05	2		µg/L	0.23	2	1	**2**	**U**	Nondetect at reported concentration
Dissolved Metal (CLP)	Mercury	EQUP-BLKE	Y21F6	EB	09-Sep-05	0.076	J	µg/L	0.04	0.2	1			
		EPAMW18	Y21F5	N	09-Sep-05	0.085	J	µg/L	0.04	0.2	1	**0.085**	**U**	Nondetect at reported concentration
Dissolved Metal (CLP)	Zinc	EQUP-BLKE	Y21F6	EB	09-Sep-05	24.3		µg/L	0.81	2	1			
		EPAMW18	Y21F5	N	09-Sep-05	29.4		µg/L	0.81	2	1	29.4		No action

Notes:
Bold Text indicates where final results have been further qualified based on field blank contamination.

D = Field Duplicate
EB = Equipment Blank
FB = Field Blank
N = Primary Sample
mg/L = milligram(s) per liter
µg/L = microgram(s) per liter
ng/L = nanogram(s) per liter

J = Estimated Value
L = Result May be Biased Low
LJ = Estimated Value, Result May be Biased Low
R = Rejected
U = Non-Detect
UJ = Non-Detect Estimated Value
UR = Rejected Non-Detect

TABLE C-4
Field Duplicate Evaluation
Remedial Investigation
San Gabriel Valley Area 3 Superfund Site

Location	Parent Sample ID	Field Duplicate ID	Sample Date	Analysis Method	Parameter	Units	Parent Sample Results				Field Duplicate Results				RPD[1]	Conclusion[2]	Reporting Criteria[3]	Comparison to Evaluation Criterion in event of Disagreement or Major Disagreement
							Result	Q	DL	RL	Result	Q	DL	RL				
01900012	Y1P13	Y1P14	14-Feb-05	Volatile Organics (CLP)	1,1,1-trichloroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
01900012	Y1P13	Y1P14	14-Feb-05	Volatile Organics (CLP)	1,1,2,2-tetrachloroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
01900012	Y1P13	Y1P14	14-Feb-05	Volatile Organics (CLP)	1,1,2-trichloro-1,2,2-trifluoroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
01900012	Y1P13	Y1P14	14-Feb-05	Volatile Organics (CLP)	1,1,2-trichloroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
01900012	Y1P13	Y1P14	14-Feb-05	Volatile Organics (CLP)	1,1-dichloroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
01900012	Y1P13	Y1P14	14-Feb-05	Volatile Organics (CLP)	1,1-dichloroethene	µg/L	**0.8**				**0.8**				**0.0%**	Agreement	Use detected concentration	--
01900012	Y1P13	Y1P14	14-Feb-05	Volatile Organics (CLP)	1,2,3-trichlorobenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
01900012	Y1P13	Y1P14	14-Feb-05	Volatile Organics (CLP)	1,2,4-trichlorobenzene	µg/L	0.5	U		0.5	**0.11**	**LJ**			NC	Agreement	Use detected concentration	--
01900012	Y1P13	Y1P14	14-Feb-05	Volatile Organics (CLP)	1,2-dibromoethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
01900012	Y1P13	Y1P14	14-Feb-05	Volatile Organics (CLP)	1,2-dichlorobenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
01900012	Y1P13	Y1P14	14-Feb-05	Volatile Organics (CLP)	1,2-dichloroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
01900012	Y1P13	Y1P14	14-Feb-05	Volatile Organics (CLP)	1,2-dichloropropane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
01900012	Y1P13	Y1P14	14-Feb-05	Volatile Organics (CLP)	1,3-dichlorobenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
01900012	Y1P13	Y1P14	14-Feb-05	Volatile Organics (CLP)	1,4-dichlorobenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
01900012	Y1P13	Y1P14	14-Feb-05	Volatile Organics (CLP)	2-butanone	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
01900012	Y1P13	Y1P14	14-Feb-05	Volatile Organics (CLP)	2-hexanone	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
01900012	Y1P13	Y1P14	14-Feb-05	Volatile Organics (CLP)	4-methyl-2-pentanone	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
01900012	Y1P13	Y1P14	14-Feb-05	Volatile Organics (CLP)	acetone	µg/L	**3**	**LJ**		5	**3.6**	**LJ**		5	**18.2%**	Agreement	Use higher concentration	--
01900012	Y1P13	Y1P14	14-Feb-05	Volatile Organics (CLP)	benzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
01900012	Y1P13	Y1P14	14-Feb-05	Volatile Organics (CLP)	bromochloromethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
01900012	Y1P13	Y1P14	14-Feb-05	Volatile Organics (CLP)	bromodichloromethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
01900012	Y1P13	Y1P14	14-Feb-05	Volatile Organics (CLP)	bromoform	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
01900012	Y1P13	Y1P14	14-Feb-05	Volatile Organics (CLP)	bromomethane	µg/L	0.5	UJ		0.5	0.5	UJ		0.5	NC	Agreement	Use reporting limit	--
01900012	Y1P13	Y1P14	14-Feb-05	Volatile Organics (CLP)	carbon disulfide	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
01900012	Y1P13	Y1P14	14-Feb-05	Volatile Organics (CLP)	carbon tetrachloride	µg/L	**0.19**	**LJ**			**0.21**	**LJ**			**10.0%**	Agreement	Use higher concentration	--
01900012	Y1P13	Y1P14	14-Feb-05	Volatile Organics (CLP)	chlorobenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
01900012	Y1P13	Y1P14	14-Feb-05	Volatile Organics (CLP)	chloroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
01900012	Y1P13	Y1P14	14-Feb-05	Volatile Organics (CLP)	chloroform	µg/L	**0.19**	**LJ**			**0.21**	**LJ**			**10.0%**	Agreement	Use higher concentration	--
01900012	Y1P13	Y1P14	14-Feb-05	Volatile Organics (CLP)	chloromethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
01900012	Y1P13	Y1P14	14-Feb-05	Volatile Organics (CLP)	cis-1,2-dichloroethene	µg/L	**6.8**			0.5	**6.8**			0.5	**0.0%**	Agreement	Use detected concentration	--
01900012	Y1P13	Y1P14	14-Feb-05	Volatile Organics (CLP)	cis-1,3-dichloropropene	µg/L	**0.11**	**LJ**			0.5	U		0.5	NC	Agreement	Use reporting limit	--
01900012	Y1P13	Y1P14	14-Feb-05	Volatile Organics (CLP)	cyclohexane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
01900012	Y1P13	Y1P14	14-Feb-05	Volatile Organics (CLP)	dibromochloromethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
01900012	Y1P13	Y1P14	14-Feb-05	Volatile Organics (CLP)	dibromochloropropane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
01900012	Y1P13	Y1P14	14-Feb-05	Volatile Organics (CLP)	dichlorodifluoromethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
01900012	Y1P13	Y1P14	14-Feb-05	Volatile Organics (CLP)	ethylbenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
01900012	Y1P13	Y1P14	14-Feb-05	Volatile Organics (CLP)	isopropylbenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
01900012	Y1P13	Y1P14	14-Feb-05	Volatile Organics (CLP)	methyl ester acetic acid	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
01900012	Y1P13	Y1P14	14-Feb-05	Volatile Organics (CLP)	methyl tert-butyl ether	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
01900012	Y1P13	Y1P14	14-Feb-05	Volatile Organics (CLP)	methylcyclohexane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
01900012	Y1P13	Y1P14	14-Feb-05	Volatile Organics (CLP)	methylene chloride	µg/L	0.5	U		0.5	**0.18**	**LJ**		0.5	NC	Agreement	Use positive result	--

Notes:
[1]Relative percent difference calculated using the equation %RPD = ((N-D)/(N+D))/2.
[2]Table C-3 provides EPA's criteria for comparing field duplicate sample results.
[3]The reporting criteria for field duplicates are designed to ensure that the most conservative data set in terms of protection of human health and the environment.

D = Field Duplicate
N = Primary Sample
mg/L = milligram(s) per liter
µg/L = microgram(s) per liter
ng/L = nanogram(s) per liter
NC = RPD not calculated
RPD = relative percent difference
-- = comparison to criterion not required due to data agreement.

Qualifiers
J = Estimated Value
LJ = Estimated Value, Result May be Biased Low
R = Rejected
U = Non-Detect
UJ = Non-Detect Estimated Value
UR = Rejected Non-Detect

TABLE C-4
Field Duplicate Evaluation
Remedial Investigation
San Gabriel Valley Area 3 Superfund Site

Location	Parent Sample ID	Field Duplicate ID	Sample Date	Analysis Method	Parameter	Units	Parent Sample Results				Field Duplicate Results				RPD[1]	Conclusion[2]	Reporting Criteria[3]	Comparison to Evaluation Criterion in event of Disagreement or Major Disagreement
							Result	Q	DL	RL	Result	Q	DL	RL				
01900012	Y1P13	Y1P14	14-Feb-05	Volatile Organics (CLP)	styrene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
01900012	Y1P13	Y1P14	14-Feb-05	Volatile Organics (CLP)	tert-butyl alcohol	µg/L	5	UJ		5	5	UJ		5	NC	Agreement	Use reporting limit	--
01900012	Y1P13	Y1P14	14-Feb-05	Volatile Organics (CLP)	tetrachloroethene	µg/L	**0.21**	**LJ**		0.5	**0.28**	**LJ**		0.5	**28.6%**	Agreement	Use higher concentration	--
01900012	Y1P13	Y1P14	14-Feb-05	Volatile Organics (CLP)	toluene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
01900012	Y1P13	Y1P14	14-Feb-05	Volatile Organics (CLP)	total xylenes	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
01900012	Y1P13	Y1P14	14-Feb-05	Volatile Organics (CLP)	trans-1,2-dichloroethene	µg/L	**0.23**	**LJ**			**0.26**	**LJ**			**12.2%**	Agreement	Use higher concentration	--
01900012	Y1P13	Y1P14	14-Feb-05	Volatile Organics (CLP)	trans-1,3-dichloropropene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
01900012	Y1P13	Y1P14	14-Feb-05	Volatile Organics (CLP)	trichloroethene	µg/L	**26**				**27**				**3.8%**	Agreement	Use higher concentration	--
01900012	Y1P13	Y1P14	14-Feb-05	Volatile Organics (CLP)	trichlorofluoromethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
01900012	Y1P13	Y1P14	14-Feb-05	Volatile Organics (CLP)	vinyl chloride	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
01900012	Y21C4	Y21C5	23-Aug-05	EPA Method 314.0	perchlorate	µg/L	**2.1**		1	2	**1.9**	**J**	1	2	**10.0%**	Agreement	Use higher concentration	--
01900012	Y21C4	Y21C5	23-Aug-05	EPA Method 300.0	nitrate (as n)	mg/L	**5.5**		0.05	0.1	**5.6**		0.05	0.1	**1.8%**	Agreement	Use higher concentration	--
01900012	Y21C4	Y21C5	23-Aug-05	Volatile Organics (CLP)	1,1,1-trichloroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
01900012	Y21C4	Y21C5	23-Aug-05	Volatile Organics (CLP)	1,1,2,2-tetrachloroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
01900012	Y21C4	Y21C5	23-Aug-05	Volatile Organics (CLP)	1,1,2-trichloro-1,2,2-trifluoroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
01900012	Y21C4	Y21C5	23-Aug-05	Volatile Organics (CLP)	1,1,2-trichloroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
01900012	Y21C4	Y21C5	23-Aug-05	Volatile Organics (CLP)	1,1-dichloroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
01900012	Y21C4	Y21C5	23-Aug-05	Volatile Organics (CLP)	1,1-dichloroethene	µg/L	**0.48**	**LJ**		0.5	**0.59**			0.5	**20.6%**	Agreement	Use higher concentration	--
01900012	Y21C4	Y21C5	23-Aug-05	Volatile Organics (CLP)	1,2,3-trichlorobenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
01900012	Y21C4	Y21C5	23-Aug-05	Volatile Organics (CLP)	1,2,4-trichlorobenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
01900012	Y21C4	Y21C5	23-Aug-05	Volatile Organics (CLP)	1,2-dibromoethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
01900012	Y21C4	Y21C5	23-Aug-05	Volatile Organics (CLP)	1,2-dichlorobenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
01900012	Y21C4	Y21C5	23-Aug-05	Volatile Organics (CLP)	1,2-dichloroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
01900012	Y21C4	Y21C5	23-Aug-05	Volatile Organics (CLP)	1,2-dichloropropane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
01900012	Y21C4	Y21C5	23-Aug-05	Volatile Organics (CLP)	1,3-dichlorobenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
01900012	Y21C4	Y21C5	23-Aug-05	Volatile Organics (CLP)	1,4-dichlorobenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
01900012	Y21C4	Y21C5	23-Aug-05	Volatile Organics (CLP)	2-butanone	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
01900012	Y21C4	Y21C5	23-Aug-05	Volatile Organics (CLP)	2-hexanone	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
01900012	Y21C4	Y21C5	23-Aug-05	Volatile Organics (CLP)	4-methyl-2-pentanone	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
01900012	Y21C4	Y21C5	23-Aug-05	Volatile Organics (CLP)	acetone	µg/L	5	UJ		5	5	UJ		5	NC	Agreement	Use reporting limit	--
01900012	Y21C4	Y21C5	23-Aug-05	Volatile Organics (CLP)	benzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
01900012	Y21C4	Y21C5	23-Aug-05	Volatile Organics (CLP)	bromochloromethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
01900012	Y21C4	Y21C5	23-Aug-05	Volatile Organics (CLP)	bromodichloromethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
01900012	Y21C4	Y21C5	23-Aug-05	Volatile Organics (CLP)	bromoform	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
01900012	Y21C4	Y21C5	23-Aug-05	Volatile Organics (CLP)	bromomethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
01900012	Y21C4	Y21C5	23-Aug-05	Volatile Organics (CLP)	carbon disulfide	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
01900012	Y21C4	Y21C5	23-Aug-05	Volatile Organics (CLP)	carbon tetrachloride	µg/L	**0.15**	**LJ**		0.5	**0.19**	**LJ**		0.5	**23.5%**	Agreement	Use higher concentration	--
01900012	Y21C4	Y21C5	23-Aug-05	Volatile Organics (CLP)	chlorobenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
01900012	Y21C4	Y21C5	23-Aug-05	Volatile Organics (CLP)	chloroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
01900012	Y21C4	Y21C5	23-Aug-05	Volatile Organics (CLP)	chloroform	µg/L	**0.19**	**LJ**		0.5	**0.22**	**LJ**		0.5	**14.6%**	Agreement	Use higher concentration	--
01900012	Y21C4	Y21C5	23-Aug-05	Volatile Organics (CLP)	chloromethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--

Notes:
[1]Relative percent difference calculated using the equation %RPD = ((N-D)/(N+D))/2.
[2]Table C-3 provides EPA's criteria for comparing field duplicate sample results.
[3]The reporting criteria for field duplicates are designed to ensure that the most conservative data set in terms of protection of human health and the environment.

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Qualifiers
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TABLE C-4
Field Duplicate Evaluation
Remedial Investigation
San Gabriel Valley Area 3 Superfund Site

Location	Parent Sample ID	Field Duplicate ID	Sample Date	Analysis Method	Parameter	Units	Parent Sample Results				Field Duplicate Results				RPD[1]	Conclusion[2]	Reporting Criteria[3]	Comparison to Evaluation Criterion in event of Disagreement or Major Disagreement
							Result	Q	DL	RL	Result	Q	DL	RL				
01900012	Y21C4	Y21C5	23-Aug-05	Volatile Organics (CLP)	cis-1,2-dichloroethene	µg/L	**5.8**			0.5	**6.8**			0.5	**15.9%**	Agreement	Use higher concentration	--
01900012	Y21C4	Y21C5	23-Aug-05	Volatile Organics (CLP)	cis-1,3-dichloropropene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
01900012	Y21C4	Y21C5	23-Aug-05	Volatile Organics (CLP)	cyclohexane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
01900012	Y21C4	Y21C5	23-Aug-05	Volatile Organics (CLP)	dibromochloromethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
01900012	Y21C4	Y21C5	23-Aug-05	Volatile Organics (CLP)	dibromochloropropane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
01900012	Y21C4	Y21C5	23-Aug-05	Volatile Organics (CLP)	dichlorodifluoromethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
01900012	Y21C4	Y21C5	23-Aug-05	Volatile Organics (CLP)	ethylbenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
01900012	Y21C4	Y21C5	23-Aug-05	Volatile Organics (CLP)	isopropylbenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
01900012	Y21C4	Y21C5	23-Aug-05	Volatile Organics (CLP)	methyl ester acetic acid	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
01900012	Y21C4	Y21C5	23-Aug-05	Volatile Organics (CLP)	methyl tert-butyl ether	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
01900012	Y21C4	Y21C5	23-Aug-05	Volatile Organics (CLP)	methylcyclohexane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
01900012	Y21C4	Y21C5	23-Aug-05	Volatile Organics (CLP)	methylene chloride	µg/L	0.5	UJ		0.5	0.5	UJ		0.5	NC	Agreement	Use reporting limit	--
01900012	Y21C4	Y21C5	23-Aug-05	Volatile Organics (CLP)	styrene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
01900012	Y21C4	Y21C5	23-Aug-05	Volatile Organics (CLP)	tert-butyl alcohol	µg/L	5	UJ		5	5	UJ		5	NC	Agreement	Use reporting limit	--
01900012	Y21C4	Y21C5	23-Aug-05	Volatile Organics (CLP)	tetrachloroethene	µg/L	**0.21**	**LJ**		0.5	**0.25**	**LJ**		0.5	**17.4%**	Agreement	Use higher concentration	--
01900012	Y21C4	Y21C5	23-Aug-05	Volatile Organics (CLP)	toluene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
01900012	Y21C4	Y21C5	23-Aug-05	Volatile Organics (CLP)	total xylenes	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
01900012	Y21C4	Y21C5	23-Aug-05	Volatile Organics (CLP)	trans-1,2-dichloroethene	µg/L	**0.13**	**LJ**		0.5	**0.14**	**LJ**		0.5	**7.4%**	Agreement	Use higher concentration	--
01900012	Y21C4	Y21C5	23-Aug-05	Volatile Organics (CLP)	trans-1,3-dichloropropene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
01900012	Y21C4	Y21C5	23-Aug-05	Volatile Organics (CLP)	trichloroethene	µg/L	**14**				**22**				**44.4%**	Disagreement	Use higher concentration	Both concentrations exceed MCL
01900012	Y21C4	Y21C5	23-Aug-05	Volatile Organics (CLP)	trichlorofluoromethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
01900012	Y21C4	Y21C5	23-Aug-05	Volatile Organics (CLP)	vinyl chloride	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
01900012	Y21C4	Y21C5	23-Aug-05	EPA Method 8270	2,2'-oxybis(1-chloropropane)	µg/L	10	U		10	10	U		10	NC	Agreement	Use reporting limit	--
01900012	Y21C4	Y21C5	23-Aug-05	EPA Method 8270	2,4,5- trichlorophenol	µg/L	25	U		25	25	U		25	NC	Agreement	Use reporting limit	--
01900012	Y21C4	Y21C5	23-Aug-05	EPA Method 8270	2,4,6-trichlorophenol	µg/L	10	U		10	10	U		10	NC	Agreement	Use reporting limit	--
01900012	Y21C4	Y21C5	23-Aug-05	EPA Method 8270	2,4-dichlorophenol	µg/L	10	U		10	10	U		10	NC	Agreement	Use reporting limit	--
01900012	Y21C4	Y21C5	23-Aug-05	EPA Method 8270	2,4-dimethylphenol	µg/L	10	U		10	10	U		10	NC	Agreement	Use reporting limit	--
01900012	Y21C4	Y21C5	23-Aug-05	EPA Method 8270	2,4-dinitrophenol	µg/L	25	R		25	25	R		25	NC	Agreement	Use reporting limit	--
01900012	Y21C4	Y21C5	23-Aug-05	EPA Method 8270	2,4-dinitrotoluene	µg/L	10	U		10	10	U		10	NC	Agreement	Use reporting limit	--
01900012	Y21C4	Y21C5	23-Aug-05	EPA Method 8270	2,6-dinitrotoluene	µg/L	10	U		10	10	U		10	NC	Agreement	Use reporting limit	--
01900012	Y21C4	Y21C5	23-Aug-05	EPA Method 8270	2-chloronaphthalene	µg/L	10	U		10	10	U		10	NC	Agreement	Use reporting limit	--
01900012	Y21C4	Y21C5	23-Aug-05	EPA Method 8270	2-chlorophenol	µg/L	10	U		10	10	U		10	NC	Agreement	Use reporting limit	--
01900012	Y21C4	Y21C5	23-Aug-05	EPA Method 8270	2-methylnaphthalene	µg/L	10	U		10	10	U		10	NC	Agreement	Use reporting limit	--
01900012	Y21C4	Y21C5	23-Aug-05	EPA Method 8270	2-methylphenol	µg/L	10	U		10	10	U		10	NC	Agreement	Use reporting limit	--
01900012	Y21C4	Y21C5	23-Aug-05	EPA Method 8270	2-nitroaniline	µg/L	25	U		25	25	U		25	NC	Agreement	Use reporting limit	--
01900012	Y21C4	Y21C5	23-Aug-05	EPA Method 8270	2-nitrophenol	µg/L	10	U		10	10	U		10	NC	Agreement	Use reporting limit	--
01900012	Y21C4	Y21C5	23-Aug-05	EPA Method 8270	3,3-dichlorobenzidine	µg/L	10	UJ		10	10	UJ		10	NC	Agreement	Use reporting limit	--
01900012	Y21C4	Y21C5	23-Aug-05	EPA Method 8270	3-nitroaniline	µg/L	25	U		25	25	U		25	NC	Agreement	Use reporting limit	--
01900012	Y21C4	Y21C5	23-Aug-05	EPA Method 8270	4,6-dinitro-2-methylphenol	µg/L	25	UJ		25	25	UJ		25	NC	Agreement	Use reporting limit	--
01900012	Y21C4	Y21C5	23-Aug-05	EPA Method 8270	4-bromophenyl-phenyl ether	µg/L	10	U		10	10	U		10	NC	Agreement	Use reporting limit	--
01900012	Y21C4	Y21C5	23-Aug-05	EPA Method 8270	4-chloro-3-methylphenol	µg/L	10	U		10	10	U		10	NC	Agreement	Use reporting limit	--

Notes:
[1]Relative percent difference calculated using the equation %RPD = ((N-D)/(N+D))/2.
[2]Table C-3 provides EPA's criteria for comparing field duplicate sample results.
[3]The reporting criteria for field duplicates are designed to ensure that the most conservative data set in terms of protection of human health and the environment.

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ng/L = nanogram(s) per liter
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RPD = relative percent difference
-- = comparison to criterion not required due to data agreement.

Qualifiers
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JB = Estimated Value with Blank Validation
LJ = Estimated Value, Result May be Biased Low
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TABLE C-4
Field Duplicate Evaluation
Remedial Investigation
San Gabriel Valley Area 3 Superfund Site

Location	Parent Sample ID	Field Duplicate ID	Sample Date	Analysis Method	Parameter	Units	Parent Sample Results				Field Duplicate Results				RPD[1]	Conclusion[2]	Reporting Criteria[3]	Comparison to Evaluation Criterion in event of Disagreement or Major Disagreement
							Result	Q	DL	RL	Result	Q	DL	RL				
01900012	Y21C4	Y21C5	23-Aug-05	EPA Method 8270	4-chloroaniline	µg/L	10	U		10	10	U		10	NC	Agreement	Use reporting limit	--
01900012	Y21C4	Y21C5	23-Aug-05	EPA Method 8270	4-chlorophenyl-phenyl ether	µg/L	10	U		10	10	U		10	NC	Agreement	Use reporting limit	--
01900012	Y21C4	Y21C5	23-Aug-05	EPA Method 8270	4-methylphenol	µg/L	10	U		10	10	U		10	NC	Agreement	Use reporting limit	--
01900012	Y21C4	Y21C5	23-Aug-05	EPA Method 8270	4-nitroaniline	µg/L	25	UJ		25	25	UJ		25	NC	Agreement	Use reporting limit	--
01900012	Y21C4	Y21C5	23-Aug-05	EPA Method 8270	4-nitrophenol	µg/L	25	R		25	25	R		25	NC	Agreement	Use reporting limit	--
01900012	Y21C4	Y21C5	23-Aug-05	EPA Method 8270	acenaphthene	µg/L	10	U		10	10	U		10	NC	Agreement	Use reporting limit	--
01900012	Y21C4	Y21C5	23-Aug-05	EPA Method 8270	acenaphthylene	µg/L	10	U		10	10	U		10	NC	Agreement	Use reporting limit	--
01900012	Y21C4	Y21C5	23-Aug-05	EPA Method 8270	acetophenone	µg/L	10	U		10	10	U		10	NC	Agreement	Use reporting limit	--
01900012	Y21C4	Y21C5	23-Aug-05	EPA Method 8270	anthracene	µg/L	10	U		10	10	U		10	NC	Agreement	Use reporting limit	--
01900012	Y21C4	Y21C5	23-Aug-05	EPA Method 8270	atrazine	µg/L	10	U		10	10	U		10	NC	Agreement	Use reporting limit	--
01900012	Y21C4	Y21C5	23-Aug-05	EPA Method 8270	benzaldehyde	µg/L	10	U		10	10	U		10	NC	Agreement	Use reporting limit	--
01900012	Y21C4	Y21C5	23-Aug-05	EPA Method 8270	benzo(a)anthracene	µg/L	10	U		10	10	U		10	NC	Agreement	Use reporting limit	--
01900012	Y21C4	Y21C5	23-Aug-05	EPA Method 8270	benzo(a)pyrene	µg/L	10	U		10	10	U		10	NC	Agreement	Use reporting limit	--
01900012	Y21C4	Y21C5	23-Aug-05	EPA Method 8270	benzo(b)fluoranthene	µg/L	10	U		10	10	U		10	NC	Agreement	Use reporting limit	--
01900012	Y21C4	Y21C5	23-Aug-05	EPA Method 8270	benzo(g,h,i)perylene	µg/L	10	U		10	10	U		10	NC	Agreement	Use reporting limit	--
01900012	Y21C4	Y21C5	23-Aug-05	EPA Method 8270	benzo(k)fluoranthene	µg/L	10	U		10	10	U		10	NC	Agreement	Use reporting limit	--
01900012	Y21C4	Y21C5	23-Aug-05	EPA Method 8270	biphenyl	µg/L	10	U		10	10	U		10	NC	Agreement	Use reporting limit	--
01900012	Y21C4	Y21C5	23-Aug-05	EPA Method 8270	bis(2-chloroethoxy)methane	µg/L	10	U		10	10	U		10	NC	Agreement	Use reporting limit	--
01900012	Y21C4	Y21C5	23-Aug-05	EPA Method 8270	bis(2-chloroethyl)ether	µg/L	10	U		10	10	U		10	NC	Agreement	Use reporting limit	--
01900012	Y21C4	Y21C5	23-Aug-05	EPA Method 8270	bis(2-ethylhexyl)phthalate	µg/L	10	U		10	10	U		10	NC	Agreement	Use reporting limit	--
01900012	Y21C4	Y21C5	23-Aug-05	EPA Method 8270	butylbenzyl phthalate	µg/L	10	U		10	10	U		10	NC	Agreement	Use reporting limit	--
01900012	Y21C4	Y21C5	23-Aug-05	EPA Method 8270	caprolactam	µg/L	10	UJ		10	10	UJ		10	NC	Agreement	Use reporting limit	--
01900012	Y21C4	Y21C5	23-Aug-05	EPA Method 8270	carbazole	µg/L	10	U		10	10	U		10	NC	Agreement	Use reporting limit	--
01900012	Y21C4	Y21C5	23-Aug-05	EPA Method 8270	chrysene	µg/L	10	U		10	10	U		10	NC	Agreement	Use reporting limit	--
01900012	Y21C4	Y21C5	23-Aug-05	EPA Method 8270	dibenzo(a,h)anthracene	µg/L	10	U		10	10	U		10	NC	Agreement	Use reporting limit	--
01900012	Y21C4	Y21C5	23-Aug-05	EPA Method 8270	dibenzofuran	µg/L	10	U		10	10	U		10	NC	Agreement	Use reporting limit	--
01900012	Y21C4	Y21C5	23-Aug-05	EPA Method 8270	diethyl phthalate	µg/L	10	U		10	10	U		10	NC	Agreement	Use reporting limit	--
01900012	Y21C4	Y21C5	23-Aug-05	EPA Method 8270	dimethyl phthalate	µg/L	10	U		10	10	U		10	NC	Agreement	Use reporting limit	--
01900012	Y21C4	Y21C5	23-Aug-05	EPA Method 8270	di-n-butylphthalate	µg/L	10	U		10	10	U		10	NC	Agreement	Use reporting limit	--
01900012	Y21C4	Y21C5	23-Aug-05	EPA Method 8270	di-n-octyl phthalate	µg/L	10	U		10	10	U		10	NC	Agreement	Use reporting limit	--
01900012	Y21C4	Y21C5	23-Aug-05	EPA Method 8270	fluoranthene	µg/L	10	U		10	10	U		10	NC	Agreement	Use reporting limit	--
01900012	Y21C4	Y21C5	23-Aug-05	EPA Method 8270	fluorene	µg/L	10	U		10	10	U		10	NC	Agreement	Use reporting limit	--
01900012	Y21C4	Y21C5	23-Aug-05	EPA Method 8270	hexachlorobenzene	µg/L	10	U		10	10	U		10	NC	Agreement	Use reporting limit	--
01900012	Y21C4	Y21C5	23-Aug-05	EPA Method 8270	hexachlorobutadiene	µg/L	10	U		10	10	U		10	NC	Agreement	Use reporting limit	--
01900012	Y21C4	Y21C5	23-Aug-05	EPA Method 8270	hexachlorocyclopentadiene	µg/L	10	U		10	10	U		10	NC	Agreement	Use reporting limit	--
01900012	Y21C4	Y21C5	23-Aug-05	EPA Method 8270	hexachloroethane	µg/L	10	U		10	10	U		10	NC	Agreement	Use reporting limit	--
01900012	Y21C4	Y21C5	23-Aug-05	EPA Method 8270	indeno(1,2,3-c,d)pyrene	µg/L	10	U		10	10	U		10	NC	Agreement	Use reporting limit	--
01900012	Y21C4	Y21C5	23-Aug-05	EPA Method 8270	isophorone	µg/L	10	U		10	10	U		10	NC	Agreement	Use reporting limit	--
01900012	Y21C4	Y21C5	23-Aug-05	EPA Method 8270	naphthalene	µg/L	10	U		10	10	U		10	NC	Agreement	Use reporting limit	--
01900012	Y21C4	Y21C5	23-Aug-05	EPA Method 8270	nitrobenzene	µg/L	10	U		10	10	U		10	NC	Agreement	Use reporting limit	--
01900012	Y21C4	Y21C5	23-Aug-05	EPA Method 8270	n-nitrosodi-n-propylamine	µg/L	10	U		10	10	U		10	NC	Agreement	Use reporting limit	--

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TABLE C-4
Field Duplicate Evaluation
Remedial Investigation
San Gabriel Valley Area 3 Superfund Site

Location	Parent Sample ID	Field Duplicate ID	Sample Date	Analysis Method	Parameter	Units	Parent Sample Results				Field Duplicate Results				RPD[1]	Conclusion[2]	Reporting Criteria[3]	Comparison to Evaluation Criterion in event of Disagreement or Major Disagreement
							Result	Q	DL	RL	Result	Q	DL	RL				
01900012	Y21C4	Y21C5	23-Aug-05	EPA Method 8270	n-nitrosodiphenylamine	µg/L	10	U		10	10	U		10	NC	Agreement	Use reporting limit	--
01900012	Y21C4	Y21C5	23-Aug-05	EPA Method 8270	pentachlorophenol	µg/L	25	U		25	25	U		25	NC	Agreement	Use reporting limit	--
01900012	Y21C4	Y21C5	23-Aug-05	EPA Method 8270	phenanthrene	µg/L	10	U		10	10	U		10	NC	Agreement	Use reporting limit	--
01900012	Y21C4	Y21C5	23-Aug-05	EPA Method 8270	phenol	µg/L	10	U		10	10	U		10	NC	Agreement	Use reporting limit	--
01900012	Y21C4	Y21C5	23-Aug-05	EPA Method 8270	pyrene	µg/L	10	U		10	10	U		10	NC	Agreement	Use reporting limit	--
01900012	Y21C4	Y21C5	23-Aug-05	Dissolved Metal (CLP)	aluminum	µg/L	74.4	UJ	14.8	200	74.4	UJ	14.8	200	NC	Agreement	Use reporting limit	--
01900012	Y21C4	Y21C5	23-Aug-05	Dissolved Metal (CLP)	antimony	µg/L	2	U	0.17	2	2	U	0.17	2	NC	Agreement	Use reporting limit	--
01900012	Y21C4	Y21C5	23-Aug-05	Dissolved Metal (CLP)	arsenic	µg/L	**0.65**	**LJ**	0.21	1	**0.64**	**LJ**	0.21	1	**1.6%**	Agreement	Use higher concentration	--
01900012	Y21C4	Y21C5	23-Aug-05	Dissolved Metal (CLP)	barium	µg/L	**69**		0.11	10	**65.9**		0.11	10	**4.6%**	Agreement	Use higher concentration	--
01900012	Y21C4	Y21C5	23-Aug-05	Dissolved Metal (CLP)	beryllium	µg/L	1	U	0.37	1	1	U	0.37	1	NC	Agreement	Use reporting limit	--
01900012	Y21C4	Y21C5	23-Aug-05	Dissolved Metal (CLP)	cadmium	µg/L	1	U	0.18	1	1	U	0.18	1	NC	Agreement	Use reporting limit	--
01900012	Y21C4	Y21C5	23-Aug-05	Dissolved Metal (CLP)	calcium	µg/L	**65300**		43.6	5000	**65200**		43.6	5000	**0.2%**	Agreement	Use higher concentration	--
01900012	Y21C4	Y21C5	23-Aug-05	Dissolved Metal (CLP)	chromium (total)	µg/L	**3.4**		0.19	2	**3.1**		0.19	2	**9.2%**	Agreement	Use higher concentration	--
01900012	Y21C4	Y21C5	23-Aug-05	Dissolved Metal (CLP)	cobalt	µg/L	1	U	0.22	1	1	U	0.22	1	NC	Agreement	Use reporting limit	--
01900012	Y21C4	Y21C5	23-Aug-05	Dissolved Metal (CLP)	copper	µg/L	**8.5**		0.23	2	**14**		0.23	2	**48.9%**	Disagreement	Use higher concentration	Both concentrations do not exceed MCL
01900012	Y21C4	Y21C5	23-Aug-05	Dissolved Metal (CLP)	iron	µg/L	100	U	49.8	100	100	U	49.8	100	NC	Agreement	Use reporting limit	--
01900012	Y21C4	Y21C5	23-Aug-05	Dissolved Metal (CLP)	lead	µg/L	**0.23**	**LJ**	0.16	1	**0.43**	**LJ**	0.16	1	**60.6%**	Disagreement	Use higher concentration	Both concentrations exceed MCL
01900012	Y21C4	Y21C5	23-Aug-05	Dissolved Metal (CLP)	magnesium	µg/L	**20100**		8.8	5000	**20000**		8.8	5000	**0.5%**	Agreement	Use higher concentration	--
01900012	Y21C4	Y21C5	23-Aug-05	Dissolved Metal (CLP)	manganese	µg/L	**9.3**		0.27	1	**8.9**		0.27	1	**4.4%**	Agreement	Use higher concentration	--
01900012	Y21C4	Y21C5	23-Aug-05	Dissolved Metal (CLP)	mercury	µg/L	0.2	U	0.04	0.2	0.2	U	0.04	0.2	NC	Agreement	Use reporting limit	--
01900012	Y21C4	Y21C5	23-Aug-05	Dissolved Metal (CLP)	molybdenum	µg/L	**9.4**		0.27	1	**8.9**		0.27	1	**5.5%**	Agreement	Use higher concentration	--
01900012	Y21C4	Y21C5	23-Aug-05	Dissolved Metal (CLP)	nickel	µg/L	**0.68**	**LJ**	0.29	1	**2.7**		0.29	1	**119.5%**	Major Disagreement	Use higher concentration	Both concentrations do not exceed MCL
01900012	Y21C4	Y21C5	23-Aug-05	Dissolved Metal (CLP)	potassium	µg/L	**2420**	**J**	38.7	5000	**2410**	**J**	38.7	5000	**0.4%**	Agreement	Use higher concentration	--
01900012	Y21C4	Y21C5	23-Aug-05	Dissolved Metal (CLP)	selenium	µg/L	**1.2**	**LJ**	0.62	5	**1.2**	**LJ**	0.62	5	**0.0%**	Agreement	Use detected concentration	--
01900012	Y21C4	Y21C5	23-Aug-05	Dissolved Metal (CLP)	silver	µg/L	1	UJ	0.068	1	**0.07**	**LJ**	0.068	1	NC	Agreement	Use reporting limit	--
01900012	Y21C4	Y21C5	23-Aug-05	Dissolved Metal (CLP)	sodium	µg/L	**50400**		709	5000	**50100**		709	5000	**0.6%**	Agreement	Use higher concentration	--
01900012	Y21C4	Y21C5	23-Aug-05	Dissolved Metal (CLP)	thallium	µg/L	1	U	0.096	1	1	U	0.096	1	NC	Agreement	Use reporting limit	--
01900012	Y21C4	Y21C5	23-Aug-05	Dissolved Metal (CLP)	vanadium	µg/L	**6.1**		0.45	1	**5.8**		0.45	1	**5.0%**	Agreement	Use higher concentration	--
01900012	Y21C4	Y21C5	23-Aug-05	Dissolved Metal (CLP)	zinc	µg/L	**4.2**		0.81	2	**11.1**		0.81	2	**90.2%**	Major Disagreement	Use higher concentration	Highest concentration exceeds MCL
01900012	Y21C4	Y21C5	23-Aug-05	EPA Method 8270-SIM	2,4,6-trichlorophenol	µg/L	0.1	U		0.1	0.1	U		0.1	NC	Agreement	Use reporting limit	--
01900012	Y21C4	Y21C5	23-Aug-05	EPA Method 8270-SIM	2-nitroaniline	µg/L	0.1	U		0.1	0.1	U		0.1	NC	Agreement	Use reporting limit	--
01900012	Y21C4	Y21C5	23-Aug-05	EPA Method 8270-SIM	3,3-dichlorobenzidine	µg/L	0.1	R		0.1	0.1	R		0.1	NC	Agreement	Use reporting limit	--
01900012	Y21C4	Y21C5	23-Aug-05	EPA Method 8270-SIM	atrazine	µg/L	0.1	U		0.1	0.1	U		0.1	NC	Agreement	Use reporting limit	--
01900012	Y21C4	Y21C5	23-Aug-05	EPA Method 8270-SIM	benzo(a)anthracene	µg/L	0.01	U		0.01	0.01	U		0.01	NC	Agreement	Use reporting limit	--
01900012	Y21C4	Y21C5	23-Aug-05	EPA Method 8270-SIM	benzo(a)pyrene	µg/L	0.01	U		0.01	0.01	U		0.01	NC	Agreement	Use reporting limit	--
01900012	Y21C4	Y21C5	23-Aug-05	EPA Method 8270-SIM	benzo(b)fluoranthene	µg/L	0.01	U		0.01	0.01	U		0.01	NC	Agreement	Use reporting limit	--
01900012	Y21C4	Y21C5	23-Aug-05	EPA Method 8270-SIM	benzo(g,h,i)perylene	µg/L	0.01	U		0.01	0.01	U		0.01	NC	Agreement	Use reporting limit	--
01900012	Y21C4	Y21C5	23-Aug-05	EPA Method 8270-SIM	benzo(k)fluoranthene	µg/L	0.01	U		0.01	0.01	U		0.01	NC	Agreement	Use reporting limit	--
01900012	Y21C4	Y21C5	23-Aug-05	EPA Method 8270-SIM	bis(2-chloroethoxy)methane	µg/L	0.01	U		0.01	0.01	U		0.01	NC	Agreement	Use reporting limit	--
01900012	Y21C4	Y21C5	23-Aug-05	EPA Method 8270-SIM	bis(2-chloroethyl)ether	µg/L	0.08	UJ			0.08	UJ			NC	Agreement	Use reporting limit	--
01900012	Y21C4	Y21C5	23-Aug-05	EPA Method 8270-SIM	bis(2-ethylhexyl)phthalate	µg/L	0.8	UJ			0.5	UJ			NC	Agreement	Use reporting limit	--

Notes:
[1]Relative percent difference calculated using the equation %RPD = ((N-D)/(N+D))/2.
[2]Table C-3 provides EPA's criteria for comparing field duplicate sample results.
[3]The reporting criteria for field duplicates are designed to ensure that the most conservative data set in terms of protection of human health and the environment.

D = Field Duplicate
N = Primary Sample
mg/L = milligram(s) per liter
µg/L = microgram(s) per liter
ng/L = nanogram(s) per liter
NC = RPD not calculated
RPD = relative percent difference
-- = comparison to criterion not required due to data agreement.

Qualifiers
J = Estimated Value
LJ = Estimated Value, Result May be Biased Low
R = Rejected
U = Non-Detect
UJ = Non-Detect Estimated Value
UR = Rejected Non-Detect

TABLE C-4
Field Duplicate Evaluation
Remedial Investigation
San Gabriel Valley Area 3 Superfund Site

Location	Parent Sample ID	Field Duplicate ID	Sample Date	Analysis Method	Parameter	Units	Parent Sample Results				Field Duplicate Results				RPD[1]	Conclusion[2]	Reporting Criteria[3]	Comparison to Evaluation Criterion in event of Disagreement or Major Disagreement
							Result	Q	DL	RL	Result	Q	DL	RL				
01900012	Y21C4	Y21C5	23-Aug-05	EPA Method 8270-SIM	dibenzo(a,h)anthracene	µg/L	**0.01**				0.01	U		0.01	NC	Agreement	Use reporting limit	--
01900012	Y21C4	Y21C5	23-Aug-05	EPA Method 8270-SIM	hexachlorobenzene	µg/L	0.1	U		0.1	0.1	U		0.1	NC	Agreement	Use reporting limit	--
01900012	Y21C4	Y21C5	23-Aug-05	EPA Method 8270-SIM	hexachlorobutadiene	µg/L	0.1	U		0.1	0.1	U		0.1	NC	Agreement	Use reporting limit	--
01900012	Y21C4	Y21C5	23-Aug-05	EPA Method 8270-SIM	hexachloroethane	µg/L	0.1	U		0.1	0.1	U		0.1	NC	Agreement	Use reporting limit	--
01900012	Y21C4	Y21C5	23-Aug-05	EPA Method 8270-SIM	indeno(1,2,3-c,d)pyrene	µg/L	0.01	U		0.01	0.01	U		0.01	NC	Agreement	Use reporting limit	--
01900012	Y21C4	Y21C5	23-Aug-05	EPA Method 8270-SIM	nitrobenzene	µg/L	0.01	U		0.01	0.01	U		0.01	NC	Agreement	Use reporting limit	--
01900012	Y21C4	Y21C5	23-Aug-05	EPA Method 8270-SIM	n-nitrosodi-n-propylamine	µg/L	0.01	U		0.01	0.01	U		0.01	NC	Agreement	Use reporting limit	--
01900012	Y21C4	Y21C5	23-Aug-05	EPA Method 8270-SIM	pentachlorophenol	µg/L	0.1	R		0.1	0.1	R		0.1	NC	Agreement	Use reporting limit	--
EPAMW11	AH04002	AH04003	03-Feb-04	EPA Method 524.2	1,1,1,2-tetrachloroethane	µg/L	1	U	0.5	1	1	U	0.5	1	NC	Agreement	Use reporting limit	--
EPAMW11	AH04002	AH04003	03-Feb-04	EPA Method 524.2	1,1,1-trichloroethane	µg/L	1	U	0.5	1	1	U	0.5	1	NC	Agreement	Use reporting limit	--
EPAMW11	AH04002	AH04003	03-Feb-04	EPA Method 524.2	1,1,2,2-tetrachloroethane	µg/L	1	U	0.5	1	1	U	0.5	1	NC	Agreement	Use reporting limit	--
EPAMW11	AH04002	AH04003	03-Feb-04	EPA Method 524.2	1,1,2-trichloro-1,2,2-trifluoroethane	µg/L	1	U	0.5	1	1	U	0.5	1	NC	Agreement	Use reporting limit	--
EPAMW11	AH04002	AH04003	03-Feb-04	EPA Method 524.2	1,1-dichloroethane	µg/L	1	U	0.5	1	1	U	0.5	1	NC	Agreement	Use reporting limit	--
EPAMW11	AH04002	AH04003	03-Feb-04	EPA Method 524.2	1,1-dichloroethene	µg/L	**2.4**		0.5	1	**2.4**		0.5	1	**0.0%**	Agreement	Use detected concentration	--
EPAMW11	AH04002	AH04003	03-Feb-04	EPA Method 524.2	1,1-dichloropropene	µg/L	1	U	0.5	1	1	U	0.5	1	NC	Agreement	Use reporting limit	--
EPAMW11	AH04002	AH04003	03-Feb-04	EPA Method 524.2	1,2,3-trichlorobenzene	µg/L	1	U	0.5	1	1	U	0.5	1	NC	Agreement	Use reporting limit	--
EPAMW11	AH04002	AH04003	03-Feb-04	EPA Method 524.2	1,2,3-trichloropropane	µg/L	1	U	0.5	1	1	U	0.5	1	NC	Agreement	Use reporting limit	--
EPAMW11	AH04002	AH04003	03-Feb-04	EPA Method 524.2	1,2,4-trichlorobenzene	µg/L	1	U	0.5	1	1	U	0.5	1	NC	Agreement	Use reporting limit	--
EPAMW11	AH04002	AH04003	03-Feb-04	EPA Method 524.2	1,2,4-trimethylbenzene	µg/L	1	U	0.5	1	1	U	0.5	1	NC	Agreement	Use reporting limit	--
EPAMW11	AH04002	AH04003	03-Feb-04	EPA Method 524.2	1,2-dibromoethane	µg/L	1	U	0.5	1	1	U	0.5	1	NC	Agreement	Use reporting limit	--
EPAMW11	AH04002	AH04003	03-Feb-04	EPA Method 524.2	1,2-dichlorobenzene	µg/L	1	U	0.5	1	1	U	0.5	1	NC	Agreement	Use reporting limit	--
EPAMW11	AH04002	AH04003	03-Feb-04	EPA Method 524.2	1,2-dichloroethane	µg/L	**0.8**		0.2	0.5	**0.8**		0.2	0.5	**0.0%**	Agreement	Use detected concentration	--
EPAMW11	AH04002	AH04003	03-Feb-04	EPA Method 524.2	1,2-dichloropropane	µg/L	1	U	0.5	1	1	U	0.5	1	NC	Agreement	Use reporting limit	--
EPAMW11	AH04002	AH04003	03-Feb-04	EPA Method 524.2	1,3,5-trimethylbenzene	µg/L	1	U	0.5	1	1	U	0.5	1	NC	Agreement	Use reporting limit	--
EPAMW11	AH04002	AH04003	03-Feb-04	EPA Method 524.2	1,3-dichlorobenzene	µg/L	1	U	0.5	1	1	U	0.5	1	NC	Agreement	Use reporting limit	--
EPAMW11	AH04002	AH04003	03-Feb-04	EPA Method 524.2	1,4-dichlorobenzene	µg/L	1	U	0.5	1	1	U	0.5	1	NC	Agreement	Use reporting limit	--
EPAMW11	AH04002	AH04003	03-Feb-04	EPA Method 524.2	2,2-dichloropropane	µg/L	1	U	0.5	1	1	U	0.5	1	NC	Agreement	Use reporting limit	--
EPAMW11	AH04002	AH04003	03-Feb-04	EPA Method 524.2	2-butanone	µg/L	4	UJ	2	4	4	UJ	2	4	NC	Agreement	Use reporting limit	--
EPAMW11	AH04002	AH04003	03-Feb-04	EPA Method 524.2	2-chlorotoluene	µg/L	1	U	0.5	1	1	U	0.5	1	NC	Agreement	Use reporting limit	--
EPAMW11	AH04002	AH04003	03-Feb-04	EPA Method 524.2	4-chlorotoluene	µg/L	1	U	0.5	1	1	U	0.5	1	NC	Agreement	Use reporting limit	--
EPAMW11	AH04002	AH04003	03-Feb-04	EPA Method 524.2	acetone	µg/L	4	U	2	4	4	U	2	4	NC	Agreement	Use reporting limit	--
EPAMW11	AH04002	AH04003	03-Feb-04	EPA Method 524.2	benzene	µg/L	1	U	0.5	1	1	U	0.5	1	NC	Agreement	Use reporting limit	--
EPAMW11	AH04002	AH04003	03-Feb-04	EPA Method 524.2	bromobenzene	µg/L	1	U	0.5	1	1	U	0.5	1	NC	Agreement	Use reporting limit	--
EPAMW11	AH04002	AH04003	03-Feb-04	EPA Method 524.2	bromochloromethane	µg/L	1	U	0.5	1	1	U	0.5	1	NC	Agreement	Use reporting limit	--
EPAMW11	AH04002	AH04003	03-Feb-04	EPA Method 524.2	bromodichloromethane	µg/L	1	U	0.5	1	1	U	0.5	1	NC	Agreement	Use reporting limit	--
EPAMW11	AH04002	AH04003	03-Feb-04	EPA Method 524.2	bromoform	µg/L	1	U	0.5	1	1	U	0.5	1	NC	Agreement	Use reporting limit	--
EPAMW11	AH04002	AH04003	03-Feb-04	EPA Method 524.2	bromomethane	µg/L	1	U	0.5	1	1	U	0.5	1	NC	Agreement	Use reporting limit	--
EPAMW11	AH04002	AH04003	03-Feb-04	EPA Method 524.2	butylbenzene (total)	µg/L	1	U	0.5	1	1	U	0.5	1	NC	Agreement	Use reporting limit	--
EPAMW11	AH04002	AH04003	03-Feb-04	EPA Method 524.2	carbon disulfide	µg/L	1	U	0.5	1	1	U	0.5	1	NC	Agreement	Use reporting limit	--
EPAMW11	AH04002	AH04003	03-Feb-04	EPA Method 524.2	chlorobenzene	µg/L	1	U	0.5	1	1	U	0.5	1	NC	Agreement	Use reporting limit	--
EPAMW11	AH04002	AH04003	03-Feb-04	EPA Method 524.2	chloroethane	µg/L	1	U	0.5	1	1	U	0.5	1	NC	Agreement	Use reporting limit	--

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LJ = Estimated Value, Result May be Biased Low
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							Result	Q	DL	RL	Result	Q	DL	RL				
EPAMW11	AH04002	AH04003	03-Feb-04	EPA Method 524.2	chloroform	µg/L	**0.7**	**J**	0.5	1	**0.7**	**J**	0.5	1	**0.0%**	Agreement	Use detected concentration	--
EPAMW11	AH04002	AH04003	03-Feb-04	EPA Method 524.2	chloromethane	µg/L	1	U	0.5	1	1	U	0.5	1	NC	Agreement	Use reporting limit	--
EPAMW11	AH04002	AH04003	03-Feb-04	EPA Method 524.2	cis-1,2-dichloroethene	µg/L	**4**		0.5	1	**4**		0.5	1	**0.0%**	Agreement	Use detected concentration	--
EPAMW11	AH04002	AH04003	03-Feb-04	EPA Method 524.2	cis-1,3-dichloropropene	µg/L	0.2	UJ	0.2	0.5	0.2	UJ	0.2	0.5	NC	Agreement	Use reporting limit	--
EPAMW11	AH04002	AH04003	03-Feb-04	EPA Method 524.2	dibromochloropropane	µg/L	1	UJ	1	2	1	UJ	1	2	NC	Agreement	Use reporting limit	--
EPAMW11	AH04002	AH04003	03-Feb-04	EPA Method 524.2	dibromomethane	µg/L	1	U	0.5	1	1	U	0.5	1	NC	Agreement	Use reporting limit	--
EPAMW11	AH04002	AH04003	03-Feb-04	EPA Method 524.2	dichlorodifluoromethane	µg/L	1	U	0.5	1	1	U	0.5	1	NC	Agreement	Use reporting limit	--
EPAMW11	AH04002	AH04003	03-Feb-04	EPA Method 524.2	m,p-xylene	µg/L	1	U	0.5	1	1	U	0.5	1	NC	Agreement	Use reporting limit	--
EPAMW11	AH04002	AH04003	03-Feb-04	EPA Method 524.2	methyl tert-butyl ether	µg/L	1	U	0.5	1	1	U	0.5	1	NC	Agreement	Use reporting limit	--
EPAMW11	AH04002	AH04003	03-Feb-04	EPA Method 524.2	naphthalene	µg/L	0.5	UJ	0.5	1	0.5	UJ	0.5	1	NC	Agreement	Use reporting limit	--
EPAMW11	AH04002	AH04003	03-Feb-04	EPA Method 524.2	n-propylbenzene	µg/L	1	U	0.5	1	1	U	0.5	1	NC	Agreement	Use reporting limit	--
EPAMW11	AH04002	AH04003	03-Feb-04	EPA Method 524.2	o-xylene	µg/L	0.5	UJ	0.5	1	0.5	UJ	0.5	1	NC	Agreement	Use reporting limit	--
EPAMW11	AH04002	AH04003	03-Feb-04	EPA Method 524.2	p-isopropyltoluene	µg/L	1	U	0.5	1	1	U	0.5	1	NC	Agreement	Use reporting limit	--
EPAMW11	AH04002	AH04003	03-Feb-04	EPA Method 524.2	sec-butylbenzene	µg/L	1	U	0.5	1	1	U	0.5	1	NC	Agreement	Use reporting limit	--
EPAMW11	AH04002	AH04003	03-Feb-04	EPA Method 524.2	styrene	µg/L	1	U	0.5	1	1	U	0.5	1	NC	Agreement	Use reporting limit	--
EPAMW11	AH04002	AH04003	03-Feb-04	EPA Method 524.2	tert-butyl alcohol	µg/L	20	U	10	20	20	U	10	20	NC	Agreement	Use reporting limit	--
EPAMW11	AH04002	AH04003	03-Feb-04	EPA Method 524.2	tert-butylbenzene	µg/L	1	U	0.5	1	1	U	0.5	1	NC	Agreement	Use reporting limit	--
EPAMW11	AH04002	AH04003	03-Feb-04	EPA Method 524.2	tetrachloroethene	µg/L	**7.8**		0.5	1	**7.7**		0.5	1	**1.3%**	Agreement	Use higher concentration	--
EPAMW11	AH04002	AH04003	03-Feb-04	EPA Method 524.2	toluene	µg/L	1	U	0.5	1	1	U	0.5	1	NC	Agreement	Use reporting limit	--
EPAMW11	AH04002	AH04003	03-Feb-04	EPA Method 524.2	trans-1,2-dichloroethene	µg/L	1	U	0.5	1	1	U	0.5	1	NC	Agreement	Use reporting limit	--
EPAMW11	AH04002	AH04003	03-Feb-04	EPA Method 524.2	trans-1,3-dichloropropene	µg/L	0.2	UJ	0.2	0.5	0.2	UJ	0.2	0.5	NC	Agreement	Use reporting limit	--
EPAMW11	AH04002	AH04003	03-Feb-04	EPA Method 524.2	trichloroethene	µg/L	**260**		12	25	**250**		12	25	**3.9%**	Agreement	Use higher concentration	--
EPAMW11	AH04002	AH04003	03-Feb-04	EPA Method 524.2	trichlorofluoromethane	µg/L	1	U	0.5	1	1	U	0.5	1	NC	Agreement	Use reporting limit	--
EPAMW11	AH04002	AH04003	03-Feb-04	EPA Method 524.2	vinyl chloride	µg/L	0.5	U	0.2	0.5	0.5	U	0.2	0.5	NC	Agreement	Use reporting limit	--
EPAMW11	AH04112	AH04113	21-May-04	EPA Method 524.2	1,1,1,2-tetrachloroethane	µg/L	1	U		1	1	U		1	NC	Agreement	Use reporting limit	--
EPAMW11	AH04112	AH04113	21-May-04	EPA Method 524.2	1,1,1-trichloroethane	µg/L	1	U		1	1	U		1	NC	Agreement	Use reporting limit	--
EPAMW11	AH04112	AH04113	21-May-04	EPA Method 524.2	1,1,2,2-tetrachloroethane	µg/L	1	U		1	1	U		1	NC	Agreement	Use reporting limit	--
EPAMW11	AH04112	AH04113	21-May-04	EPA Method 524.2	1,1,2-trichloro-1,2,2-trifluoroethane	µg/L	1	U		1	1	U		1	NC	Agreement	Use reporting limit	--
EPAMW11	AH04112	AH04113	21-May-04	EPA Method 524.2	1,1,2-trichloroethane	µg/L	1	U		1	1	U		1	NC	Agreement	Use reporting limit	--
EPAMW11	AH04112	AH04113	21-May-04	EPA Method 524.2	1,1-dichloroethane	µg/L	1	U		1	1	U		1	NC	Agreement	Use reporting limit	--
EPAMW11	AH04112	AH04113	21-May-04	EPA Method 524.2	1,1-dichloroethene	µg/L	**3.2**			1	**3.1**			1	**3.2%**	Agreement	Use higher concentration	--
EPAMW11	AH04112	AH04113	21-May-04	EPA Method 524.2	1,1-dichloropropene	µg/L	1	U		1	1	U		1	NC	Agreement	Use reporting limit	--
EPAMW11	AH04112	AH04113	21-May-04	EPA Method 524.2	1,2,3-trichlorobenzene	µg/L	1	U		1	1	U		1	NC	Agreement	Use reporting limit	--
EPAMW11	AH04112	AH04113	21-May-04	EPA Method 524.2	1,2,3-trichloropropane	µg/L	1	U		1	1	U		1	NC	Agreement	Use reporting limit	--
EPAMW11	AH04112	AH04113	21-May-04	EPA Method 524.2	1,2,4-trichlorobenzene	µg/L	1	U		1	1	U		1	NC	Agreement	Use reporting limit	--
EPAMW11	AH04112	AH04113	21-May-04	EPA Method 524.2	1,2,4-trimethylbenzene	µg/L	1	U		1	1	U		1	NC	Agreement	Use reporting limit	--
EPAMW11	AH04112	AH04113	21-May-04	EPA Method 524.2	1,2-dibromoethane	µg/L	1	U		1	1	U		1	NC	Agreement	Use reporting limit	--
EPAMW11	AH04112	AH04113	21-May-04	EPA Method 524.2	1,2-dichlorobenzene	µg/L	1	U		1	1	U		1	NC	Agreement	Use reporting limit	--
EPAMW11	AH04112	AH04113	21-May-04	EPA Method 524.2	1,2-dichloroethane	µg/L	**0.7**			0.5	**0.7**			0.5	**0.0%**	Agreement	Use detected concentration	--
EPAMW11	AH04112	AH04113	21-May-04	EPA Method 524.2	1,2-dichloropropane	µg/L	1	U		1	1	U		1	NC	Agreement	Use reporting limit	--
EPAMW11	AH04112	AH04113	21-May-04	EPA Method 524.2	1,3,5-trimethylbenzene	µg/L	1	U		1	1	U		1	NC	Agreement	Use reporting limit	--

Notes:
[1]Relative percent difference calculated using the equation %RPD = ((N-D)/(N+D))/2.
[2]Table C-3 provides EPA's criteria for comparing field duplicate sample results.
[3]The reporting criteria for field duplicates are designed to ensure that the most conservative data set in terms of protection of human health and the environment.

D = Field Duplicate
N = Primary Sample
mg/L = milligram(s) per liter
µg/L = microgram(s) per liter
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NC = RPD not calculated
RPD = relative percent difference
-- = comparison to criterion not required due to data agreement.

Qualifiers
J = Estimated Value
LJ = Estimated Value, Result May be Biased Low
R = Rejected
U = Non-Detect
UJ = Non-Detect Estimated Value
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TABLE C-4
Field Duplicate Evaluation
Remedial Investigation
San Gabriel Valley Area 3 Superfund Site

Location	Parent Sample ID	Field Duplicate ID	Sample Date	Analysis Method	Parameter	Units	Parent Sample Results				Field Duplicate Results				RPD[1]	Conclusion[2]	Reporting Criteria[3]	Comparison to Evaluation Criterion in event of Disagreement or Major Disagreement
							Result	Q	DL	RL	Result	Q	DL	RL				
EPAMW11	AH04112	AH04113	21-May-04	EPA Method 524.2	1,3-dichlorobenzene	µg/L	1	U		1	1	U		1	NC	Agreement	Use reporting limit	--
EPAMW11	AH04112	AH04113	21-May-04	EPA Method 524.2	1,3-dichloropropane	µg/L	1	U		1	1	U		1	NC	Agreement	Use reporting limit	--
EPAMW11	AH04112	AH04113	21-May-04	EPA Method 524.2	1,4-dichlorobenzene	µg/L	1	U		1	1	U		1	NC	Agreement	Use reporting limit	--
EPAMW11	AH04112	AH04113	21-May-04	EPA Method 524.2	2,2-dichloropropane	µg/L	1	U		1	1	U		1	NC	Agreement	Use reporting limit	--
EPAMW11	AH04112	AH04113	21-May-04	EPA Method 524.2	2-butanone	µg/L	4	U		4	4	U		4	NC	Agreement	Use reporting limit	--
EPAMW11	AH04112	AH04113	21-May-04	EPA Method 524.2	2-chlorotoluene	µg/L	1	U		1	1	U		1	NC	Agreement	Use reporting limit	--
EPAMW11	AH04112	AH04113	21-May-04	EPA Method 524.2	4-chlorotoluene	µg/L	1	U		1	1	U		1	NC	Agreement	Use reporting limit	--
EPAMW11	AH04112	AH04113	21-May-04	EPA Method 524.2	4-methyl-2-pentanone	µg/L	4	U		4	4	U		4	NC	Agreement	Use reporting limit	--
EPAMW11	AH04112	AH04113	21-May-04	EPA Method 524.2	acetone	µg/L	4	UJ		4	4	UJ		4	NC	Agreement	Use reporting limit	--
EPAMW11	AH04112	AH04113	21-May-04	EPA Method 524.2	benzene	µg/L	1	U		1	1	U		1	NC	Agreement	Use reporting limit	--
EPAMW11	AH04112	AH04113	21-May-04	EPA Method 524.2	bromobenzene	µg/L	1	U		1	1	U		1	NC	Agreement	Use reporting limit	--
EPAMW11	AH04112	AH04113	21-May-04	EPA Method 524.2	bromochloromethane	µg/L	1	U		1	1	U		1	NC	Agreement	Use reporting limit	--
EPAMW11	AH04112	AH04113	21-May-04	EPA Method 524.2	bromodichloromethane	µg/L	1	U		1	1	U		1	NC	Agreement	Use reporting limit	--
EPAMW11	AH04112	AH04113	21-May-04	EPA Method 524.2	bromoform	µg/L	1	U		1	1	U		1	NC	Agreement	Use reporting limit	--
EPAMW11	AH04112	AH04113	21-May-04	EPA Method 524.2	bromomethane	µg/L	1	U		1	1	U		1	NC	Agreement	Use reporting limit	--
EPAMW11	AH04112	AH04113	21-May-04	EPA Method 524.2	butylbenzene (total)	µg/L	1	U		1	1	U		1	NC	Agreement	Use reporting limit	--
EPAMW11	AH04112	AH04113	21-May-04	EPA Method 524.2	carbon disulfide	µg/L	1	U		1	1	U		1	NC	Agreement	Use reporting limit	--
EPAMW11	AH04112	AH04113	21-May-04	EPA Method 524.2	carbon tetrachloride	µg/L	**0.7**			0.5	**0.7**			0.5	**0.0%**	Agreement	Use detected concentration	--
EPAMW11	AH04112	AH04113	21-May-04	EPA Method 524.2	chlorobenzene	µg/L	1	U		1	1	U		1	NC	Agreement	Use reporting limit	--
EPAMW11	AH04112	AH04113	21-May-04	EPA Method 524.2	chloroethane	µg/L	1	U		1	1	U		1	NC	Agreement	Use reporting limit	--
EPAMW11	AH04112	AH04113	21-May-04	EPA Method 524.2	chloroform	µg/L	**0.8**	**J**		1	**0.8**	**J**		1	**0.0%**	Agreement	Use detected concentration	--
EPAMW11	AH04112	AH04113	21-May-04	EPA Method 524.2	chloromethane	µg/L	1	U		1	1	U		1	NC	Agreement	Use reporting limit	--
EPAMW11	AH04112	AH04113	21-May-04	EPA Method 524.2	cis-1,2-dichloroethene	µg/L	**4.5**			1	**4.4**			1	**2.2%**	Agreement	Use higher concentration	--
EPAMW11	AH04112	AH04113	21-May-04	EPA Method 524.2	cis-1,3-dichloropropene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW11	AH04112	AH04113	21-May-04	EPA Method 524.2	dibromochloromethane	µg/L	1	U		1	1	U		1	NC	Agreement	Use reporting limit	--
EPAMW11	AH04112	AH04113	21-May-04	EPA Method 524.2	dibromochloropropane	µg/L	1	U		1	1	U		1	NC	Agreement	Use reporting limit	--
EPAMW11	AH04112	AH04113	21-May-04	EPA Method 524.2	dibromomethane	µg/L	1	U		1	1	U		1	NC	Agreement	Use reporting limit	--
EPAMW11	AH04112	AH04113	21-May-04	EPA Method 524.2	dichlorodifluoromethane	µg/L	1	U		1	1	U		1	NC	Agreement	Use reporting limit	--
EPAMW11	AH04112	AH04113	21-May-04	EPA Method 524.2	ethylbenzene	µg/L	1	U		1	1	U		1	NC	Agreement	Use reporting limit	--
EPAMW11	AH04112	AH04113	21-May-04	EPA Method 524.2	hexachlorobutadiene	µg/L	1	U		1	1	U		1	NC	Agreement	Use reporting limit	--
EPAMW11	AH04112	AH04113	21-May-04	EPA Method 524.2	isopropylbenzene	µg/L	1	U		1	1	U		1	NC	Agreement	Use reporting limit	--
EPAMW11	AH04112	AH04113	21-May-04	EPA Method 524.2	m,p-xylene	µg/L	1	U		1	1	U		1	NC	Agreement	Use reporting limit	--
EPAMW11	AH04112	AH04113	21-May-04	EPA Method 524.2	methyl tert-butyl ether	µg/L	1	U		1	1	U		1	NC	Agreement	Use reporting limit	--
EPAMW11	AH04112	AH04113	21-May-04	EPA Method 524.2	methylene chloride	µg/L	1	U		1	1	U		1	NC	Agreement	Use reporting limit	--
EPAMW11	AH04112	AH04113	21-May-04	EPA Method 524.2	naphthalene	µg/L	1	U		1	1	U		1	NC	Agreement	Use reporting limit	--
EPAMW11	AH04112	AH04113	21-May-04	EPA Method 524.2	n-propylbenzene	µg/L	1	U		1	1	U		1	NC	Agreement	Use reporting limit	--
EPAMW11	AH04112	AH04113	21-May-04	EPA Method 524.2	o-xylene	µg/L	1	U		1	1	U		1	NC	Agreement	Use reporting limit	--
EPAMW11	AH04112	AH04113	21-May-04	EPA Method 524.2	p-isopropyltoluene	µg/L	1	U		1	1	U		1	NC	Agreement	Use reporting limit	--
EPAMW11	AH04112	AH04113	21-May-04	EPA Method 524.2	sec-butylbenzene	µg/L	1	U		1	1	U		1	NC	Agreement	Use reporting limit	--
EPAMW11	AH04112	AH04113	21-May-04	EPA Method 524.2	styrene	µg/L	1	U		1	1	U		1	NC	Agreement	Use reporting limit	--
EPAMW11	AH04112	AH04113	21-May-04	EPA Method 524.2	tert-butyl alcohol	µg/L	20	U		20	20	U		20	NC	Agreement	Use reporting limit	--

Notes:
[1]Relative percent difference calculated using the equation %RPD = ((N-D)/(N+D))/2.
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TABLE C-4
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Remedial Investigation
San Gabriel Valley Area 3 Superfund Site

Location	Parent Sample ID	Field Duplicate ID	Sample Date	Analysis Method	Parameter	Units	Parent Sample Results				Field Duplicate Results				RPD[1]	Conclusion[2]	Reporting Criteria[3]	Comparison to Evaluation Criterion in event of Disagreement or Major Disagreement
							Result	Q	DL	RL	Result	Q	DL	RL				
EPAMW11	AH04112	AH04113	21-May-04	EPA Method 524.2	tert-butylbenzene	µg/L	1	U		1	1	U		1	NC	Agreement	Use reporting limit	--
EPAMW11	AH04112	AH04113	21-May-04	EPA Method 524.2	tetrachloroethene	µg/L	**7.2**			1	**7.1**			1	**1.4%**	Agreement	Use higher concentration	--
EPAMW11	AH04112	AH04113	21-May-04	EPA Method 524.2	toluene	µg/L	1	U		1	1	U		1	NC	Agreement	Use reporting limit	--
EPAMW11	AH04112	AH04113	21-May-04	EPA Method 524.2	trans-1,2-dichloroethene	µg/L	1	U		1	1	U		1	NC	Agreement	Use reporting limit	--
EPAMW11	AH04112	AH04113	21-May-04	EPA Method 524.2	trans-1,3-dichloropropene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW11	AH04112	AH04113	21-May-04	EPA Method 524.2	trichloroethene	µg/L	**220**			5	**220**			5	**0.0%**	Agreement	Use detected concentration	--
EPAMW11	AH04112	AH04113	21-May-04	EPA Method 524.2	trichlorofluoromethane	µg/L	1	U		1	1	U		1	NC	Agreement	Use reporting limit	--
EPAMW11	AH04112	AH04113	21-May-04	EPA Method 524.2	vinyl chloride	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW11	Y1JB6	Y1JD8	09-Nov-04	Volatile Organics (CLP)	1,1,1-trichloroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW11	Y1JB6	Y1JD8	09-Nov-04	Volatile Organics (CLP)	1,1,2,2-tetrachloroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW11	Y1JB6	Y1JD8	09-Nov-04	Volatile Organics (CLP)	1,1,2-trichloro-1,2,2-trifluoroethane	µg/L	**0.12**	**LJ**		8.3	**0.2**	**LJ**		0.5	**50.0%**	Disagreement	Use higher concentration	Evaluation criterion not established
EPAMW11	Y1JB6	Y1JD8	09-Nov-04	Volatile Organics (CLP)	1,1,2-trichloroethane	µg/L	**0.26**	**LJ**		0.5	**0.28**	**LJ**		0.5	**7.4%**	Agreement	Use higher concentration	--
EPAMW11	Y1JB6	Y1JD8	09-Nov-04	Volatile Organics (CLP)	1,1-dichloroethane	µg/L	**0.36**	**LJ**		0.5	**0.41**	**LJ**		0.5	**13.0%**	Agreement	Use higher concentration	--
EPAMW11	Y1JB6	Y1JD8	09-Nov-04	Volatile Organics (CLP)	1,1-dichloroethene	µg/L	**3.3**				**3.6**			0.5	**8.7%**	Agreement	Use higher concentration	--
EPAMW11	Y1JB6	Y1JD8	09-Nov-04	Volatile Organics (CLP)	1,2,3-trichlorobenzene	µg/L	0.5	UJ		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW11	Y1JB6	Y1JD8	09-Nov-04	Volatile Organics (CLP)	1,2,4-trichlorobenzene	µg/L	0.5	UJ		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW11	Y1JB6	Y1JD8	09-Nov-04	Volatile Organics (CLP)	1,2-dibromoethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW11	Y1JB6	Y1JD8	09-Nov-04	Volatile Organics (CLP)	1,2-dichlorobenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW11	Y1JB6	Y1JD8	09-Nov-04	Volatile Organics (CLP)	1,2-dichloroethane	µg/L	**0.91**			0.5	**0.91**			0.5	**0.0%**	Agreement	Use detected concentration	--
EPAMW11	Y1JB6	Y1JD8	09-Nov-04	Volatile Organics (CLP)	1,2-dichloropropane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW11	Y1JB6	Y1JD8	09-Nov-04	Volatile Organics (CLP)	1,3-dichlorobenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW11	Y1JB6	Y1JD8	09-Nov-04	Volatile Organics (CLP)	1,4-dichlorobenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW11	Y1JB6	Y1JD8	09-Nov-04	Volatile Organics (CLP)	2-butanone	µg/L	5	U		5	**1.3**	**LJ**		5	NC	Agreement	Use reporting limit	--
EPAMW11	Y1JB6	Y1JD8	09-Nov-04	Volatile Organics (CLP)	2-hexanone	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW11	Y1JB6	Y1JD8	09-Nov-04	Volatile Organics (CLP)	4-methyl-2-pentanone	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW11	Y1JB6	Y1JD8	09-Nov-04	Volatile Organics (CLP)	acetone	µg/L	5	U			5	U		5	NC	Agreement	Use reporting limit	--
EPAMW11	Y1JB6	Y1JD8	09-Nov-04	Volatile Organics (CLP)	benzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW11	Y1JB6	Y1JD8	09-Nov-04	Volatile Organics (CLP)	bromochloromethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW11	Y1JB6	Y1JD8	09-Nov-04	Volatile Organics (CLP)	bromodichloromethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW11	Y1JB6	Y1JD8	09-Nov-04	Volatile Organics (CLP)	bromoform	µg/L	0.5	UJ		0.5	0.5	UJ		0.5	NC	Agreement	Use reporting limit	--
EPAMW11	Y1JB6	Y1JD8	09-Nov-04	Volatile Organics (CLP)	bromomethane	µg/L	0.5	UJ		8.3	0.5	UJ		0.5	NC	Agreement	Use reporting limit	--
EPAMW11	Y1JB6	Y1JD8	09-Nov-04	Volatile Organics (CLP)	carbon disulfide	µg/L	0.5	U			0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW11	Y1JB6	Y1JD8	09-Nov-04	Volatile Organics (CLP)	carbon tetrachloride	µg/L	**1.4**			0.5	**1.4**			0.5	**0.0%**	Agreement	Use detected concentration	--
EPAMW11	Y1JB6	Y1JD8	09-Nov-04	Volatile Organics (CLP)	chlorobenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW11	Y1JB6	Y1JD8	09-Nov-04	Volatile Organics (CLP)	chloroethane	µg/L	0.5	U		8.3	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW11	Y1JB6	Y1JD8	09-Nov-04	Volatile Organics (CLP)	chloroform	µg/L	**0.89**			0.5	**0.94**			0.5	**5.5%**	Agreement	Use higher concentration	--
EPAMW11	Y1JB6	Y1JD8	09-Nov-04	Volatile Organics (CLP)	chloromethane	µg/L	0.5	U		8.3	0.5	UJ		0.5	NC	Agreement	Use reporting limit	--
EPAMW11	Y1JB6	Y1JD8	09-Nov-04	Volatile Organics (CLP)	cis-1,2-dichloroethene	µg/L	**4.7**			0.5	**5**			0.5	**6.2%**	Agreement	Use higher concentration	--
EPAMW11	Y1JB6	Y1JD8	09-Nov-04	Volatile Organics (CLP)	cis-1,3-dichloropropene	µg/L	0.5	UJ		0.5	0.5	UJ		0.5	NC	Agreement	Use reporting limit	--
EPAMW11	Y1JB6	Y1JD8	09-Nov-04	Volatile Organics (CLP)	cyclohexane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW11	Y1JB6	Y1JD8	09-Nov-04	Volatile Organics (CLP)	dibromochloromethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--

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µg/L = microgram(s) per liter
ng/L = nanogram(s) per liter
NC = RPD not calculated
RPD = relative percent difference
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Qualifiers
J = Estimated Value
LJ = Estimated Value, Result May be Biased Low
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TABLE C-4
Field Duplicate Evaluation
Remedial Investigation
San Gabriel Valley Area 3 Superfund Site

Location	Parent Sample ID	Field Duplicate ID	Sample Date	Analysis Method	Parameter	Units	Parent Sample Results				Field Duplicate Results				RPD[1]	Conclusion[2]	Reporting Criteria[3]	Comparison to Evaluation Criterion in event of Disagreement or Major Disagreement
							Result	Q	DL	RL	Result	Q	DL	RL				
EPAMW11	Y1JB6	Y1JD8	09-Nov-04	Volatile Organics (CLP)	dibromochloropropane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW11	Y1JB6	Y1JD8	09-Nov-04	Volatile Organics (CLP)	dichlorodifluoromethane	µg/L	**0.15**	**LJ**		8.3	**0.16**	**LJ**		0.5	**6.5%**	Agreement	Use higher concentration	--
EPAMW11	Y1JB6	Y1JD8	09-Nov-04	Volatile Organics (CLP)	ethylbenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW11	Y1JB6	Y1JD8	09-Nov-04	Volatile Organics (CLP)	isopropylbenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW11	Y1JB6	Y1JD8	09-Nov-04	Volatile Organics (CLP)	methyl ester acetic acid	µg/L	0.5	UJ		0.5	0.5	UJ		0.5	NC	Agreement	Use reporting limit	--
EPAMW11	Y1JB6	Y1JD8	09-Nov-04	Volatile Organics (CLP)	methyl tert-butyl ether	µg/L	**0.35**	**LJ**		0.5	**0.44**	**LJ**		0.5	**22.8%**	Agreement	Use higher concentration	--
EPAMW11	Y1JB6	Y1JD8	09-Nov-04	Volatile Organics (CLP)	methylcyclohexane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW11	Y1JB6	Y1JD8	09-Nov-04	Volatile Organics (CLP)	methylene chloride	µg/L	**0.11**	**LJ**		0.5	**0.13**	**LJ**		0.5	**16.7%**	Agreement	Use higher concentration	--
EPAMW11	Y1JB6	Y1JD8	09-Nov-04	Volatile Organics (CLP)	styrene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW11	Y1JB6	Y1JD8	09-Nov-04	Volatile Organics (CLP)	tert-butyl alcohol	µg/L	5	UJ		5	5	UJ		5	NC	Agreement	Use reporting limit	--
EPAMW11	Y1JB6	Y1JD8	09-Nov-04	Volatile Organics (CLP)	tetrachloroethene	µg/L	**9.3**			0.5	**9.2**			0.5	**1.1%**	Agreement	Use higher concentration	--
EPAMW11	Y1JB6	Y1JD8	09-Nov-04	Volatile Organics (CLP)	toluene	µg/L	0.5	UJ		0.5	0.5	UJ		0.5	NC	Agreement	Use reporting limit	--
EPAMW11	Y1JB6	Y1JD8	09-Nov-04	Volatile Organics (CLP)	total xylenes	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW11	Y1JB6	Y1JD8	09-Nov-04	Volatile Organics (CLP)	trans-1,2-dichloroethene	µg/L	**0.26**	**LJ**		0.5	**0.26**	**LJ**		0.5	**0.0%**	Agreement	Use detected concentration	--
EPAMW11	Y1JB6	Y1JD8	09-Nov-04	Volatile Organics (CLP)	trans-1,3-dichloropropene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW11	Y1JB6	Y1JD8	09-Nov-04	Volatile Organics (CLP)	trichloroethene	µg/L	**220**			0.5	**220**				**0.0%**	Agreement	Use detected concentration	--
EPAMW11	Y1JB6	Y1JD8	09-Nov-04	Volatile Organics (CLP)	trichlorofluoromethane	µg/L	0.5	U		8.3	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW11	Y1JB6	Y1JD8	09-Nov-04	Volatile Organics (CLP)	vinyl chloride	µg/L	0.5	U		8.3	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW11	Y21C2	Y21C3	23-Aug-05	EPA Method 314.0	perchlorate	µg/L	**4.9**		1	2	**4.9**		1	2	**0.0%**	Agreement	Use detected concentration	--
EPAMW11	Y21C2	Y21C3	23-Aug-05	EPA Method 300.0	nitrate (as n)	mg/L	**12**		0.05	0.1	**12**		0.05	0.1	**0.0%**	Agreement	Use detected concentration	--
EPAMW11	Y21C2	Y21C3	23-Aug-05	Volatile Organics (CLP)	1,1,1-trichloroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW11	Y21C2	Y21C3	23-Aug-05	Volatile Organics (CLP)	1,1,2,2-tetrachloroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW11	Y21C2	Y21C3	23-Aug-05	Volatile Organics (CLP)	1,1,2-trichloro-1,2,2-trifluoroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW11	Y21C2	Y21C3	23-Aug-05	Volatile Organics (CLP)	1,1,2-trichloroethane	µg/L	**0.16**	**LJ**		0.5	**0.18**	**LJ**		0.5	**11.8%**	Agreement	Use higher concentration	--
EPAMW11	Y21C2	Y21C3	23-Aug-05	Volatile Organics (CLP)	1,1-dichloroethane	µg/L	**0.27**	**LJ**		0.5	**0.27**	**LJ**		0.5	**0.0%**	Agreement	Use detected concentration	--
EPAMW11	Y21C2	Y21C3	23-Aug-05	Volatile Organics (CLP)	1,1-dichloroethene	µg/L	**2.4**			0.5	**2.7**			0.5	**11.8%**	Agreement	Use higher concentration	--
EPAMW11	Y21C2	Y21C3	23-Aug-05	Volatile Organics (CLP)	1,2,3-trichlorobenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW11	Y21C2	Y21C3	23-Aug-05	Volatile Organics (CLP)	1,2,4-trichlorobenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW11	Y21C2	Y21C3	23-Aug-05	Volatile Organics (CLP)	1,2-dibromoethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW11	Y21C2	Y21C3	23-Aug-05	Volatile Organics (CLP)	1,2-dichlorobenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW11	Y21C2	Y21C3	23-Aug-05	Volatile Organics (CLP)	1,2-dichloroethane	µg/L	**0.57**			0.5	**0.63**			0.5	**10.0%**	Agreement	Use higher concentration	--
EPAMW11	Y21C2	Y21C3	23-Aug-05	Volatile Organics (CLP)	1,2-dichloropropane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW11	Y21C2	Y21C3	23-Aug-05	Volatile Organics (CLP)	1,3-dichlorobenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW11	Y21C2	Y21C3	23-Aug-05	Volatile Organics (CLP)	1,4-dichlorobenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW11	Y21C2	Y21C3	23-Aug-05	Volatile Organics (CLP)	2-butanone	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW11	Y21C2	Y21C3	23-Aug-05	Volatile Organics (CLP)	2-hexanone	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW11	Y21C2	Y21C3	23-Aug-05	Volatile Organics (CLP)	4-methyl-2-pentanone	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW11	Y21C2	Y21C3	23-Aug-05	Volatile Organics (CLP)	acetone	µg/L	5	UJ		5	5	UJ		5	NC	Agreement	Use reporting limit	--
EPAMW11	Y21C2	Y21C3	23-Aug-05	Volatile Organics (CLP)	benzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW11	Y21C2	Y21C3	23-Aug-05	Volatile Organics (CLP)	bromochloromethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW11	Y21C2	Y21C3	23-Aug-05	Volatile Organics (CLP)	bromodichloromethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--

Notes:
[1]Relative percent difference calculated using the equation %RPD = ((N-D)/(N+D))/2.
[2]Table C-3 provides EPA's criteria for comparing field duplicate sample results.
[3]The reporting criteria for field duplicates are designed to ensure that the most conservative data set in terms of protection of human health and the environment.

D = Field Duplicate
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TABLE C-4
Field Duplicate Evaluation
Remedial Investigation
San Gabriel Valley Area 3 Superfund Site

Location	Parent Sample ID	Field Duplicate ID	Sample Date	Analysis Method	Parameter	Units	Parent Sample Results				Field Duplicate Results				RPD[1]	Conclusion[2]	Reporting Criteria[3]	Comparison to Evaluation Criterion in event of Disagreement or Major Disagreement
							Result	Q	DL	RL	Result	Q	DL	RL				
EPAMW11	Y21C2	Y21C3	23-Aug-05	Volatile Organics (CLP)	bromoform	µg/L	0.5	U		0.5	0.5	UJ		0.5	NC	Agreement	Use reporting limit	--
EPAMW11	Y21C2	Y21C3	23-Aug-05	Volatile Organics (CLP)	bromomethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW11	Y21C2	Y21C3	23-Aug-05	Volatile Organics (CLP)	carbon disulfide	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW11	Y21C2	Y21C3	23-Aug-05	Volatile Organics (CLP)	carbon tetrachloride	µg/L	**1.1**			0.5	**1.1**			0.5	**0.0%**	Agreement	Use detected concentration	--
EPAMW11	Y21C2	Y21C3	23-Aug-05	Volatile Organics (CLP)	chlorobenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW11	Y21C2	Y21C3	23-Aug-05	Volatile Organics (CLP)	chloroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW11	Y21C2	Y21C3	23-Aug-05	Volatile Organics (CLP)	chloroform	µg/L	**0.73**			0.5	**0.74**			0.5	**1.4%**	Agreement	Use higher concentration	--
EPAMW11	Y21C2	Y21C3	23-Aug-05	Volatile Organics (CLP)	chloromethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW11	Y21C2	Y21C3	23-Aug-05	Volatile Organics (CLP)	cis-1,2-dichloroethene	µg/L	**3.5**			0.5	**3.7**			0.5	**5.6%**	Agreement	Use higher concentration	--
EPAMW11	Y21C2	Y21C3	23-Aug-05	Volatile Organics (CLP)	cis-1,3-dichloropropene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW11	Y21C2	Y21C3	23-Aug-05	Volatile Organics (CLP)	cyclohexane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW11	Y21C2	Y21C3	23-Aug-05	Volatile Organics (CLP)	dibromochloromethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW11	Y21C2	Y21C3	23-Aug-05	Volatile Organics (CLP)	dibromochloropropane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW11	Y21C2	Y21C3	23-Aug-05	Volatile Organics (CLP)	dichlorodifluoromethane	µg/L	**0.21**	**LJ**		0.5	**0.2**	**LJ**		0.5	**4.9%**	Agreement	Use higher concentration	--
EPAMW11	Y21C2	Y21C3	23-Aug-05	Volatile Organics (CLP)	ethylbenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW11	Y21C2	Y21C3	23-Aug-05	Volatile Organics (CLP)	isopropylbenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW11	Y21C2	Y21C3	23-Aug-05	Volatile Organics (CLP)	methyl ester acetic acid	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW11	Y21C2	Y21C3	23-Aug-05	Volatile Organics (CLP)	methyl tert-butyl ether	µg/L	**0.22**	**LJ**		0.5	**0.17**	**LJ**		0.5	**25.6%**	Agreement	Use higher concentration	--
EPAMW11	Y21C2	Y21C3	23-Aug-05	Volatile Organics (CLP)	methylcyclohexane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW11	Y21C2	Y21C3	23-Aug-05	Volatile Organics (CLP)	methylene chloride	µg/L	**0.14**	**LJ**		0.5	**0.16**	**LJ**		0.5	**13.3%**	Agreement	Use higher concentration	--
EPAMW11	Y21C2	Y21C3	23-Aug-05	Volatile Organics (CLP)	styrene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW11	Y21C2	Y21C3	23-Aug-05	Volatile Organics (CLP)	tert-butyl alcohol	µg/L	5	UJ		5	5	UJ		5	NC	Agreement	Use reporting limit	--
EPAMW11	Y21C2	Y21C3	23-Aug-05	Volatile Organics (CLP)	tetrachloroethene	µg/L	**8.5**			0.5	**9**			0.5	**5.7%**	Agreement	Use higher concentration	--
EPAMW11	Y21C2	Y21C3	23-Aug-05	Volatile Organics (CLP)	toluene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW11	Y21C2	Y21C3	23-Aug-05	Volatile Organics (CLP)	total xylenes	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW11	Y21C2	Y21C3	23-Aug-05	Volatile Organics (CLP)	trans-1,2-dichloroethene	µg/L	**0.18**	**LJ**		0.5	**0.22**	**LJ**		0.5	**20.0%**	Agreement	Use higher concentration	--
EPAMW11	Y21C2	Y21C3	23-Aug-05	Volatile Organics (CLP)	trans-1,3-dichloropropene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW11	Y21C2	Y21C3	23-Aug-05	Volatile Organics (CLP)	trichloroethene	µg/L	**170**				**230**				**30.0%**	Agreement	Use higher concentration	--
EPAMW11	Y21C2	Y21C3	23-Aug-05	Volatile Organics (CLP)	trichlorofluoromethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW11	Y21C2	Y21C3	23-Aug-05	Volatile Organics (CLP)	vinyl chloride	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW11	Y21C2	Y21C3	23-Aug-05	EPA Method 8270	2,2'-oxybis(1-chloropropane)	µg/L	10	U		10	10	U		10	NC	Agreement	Use reporting limit	--
EPAMW11	Y21C2	Y21C3	23-Aug-05	EPA Method 8270	2,4,5- trichlorophenol	µg/L	25	U		25	25	U		25	NC	Agreement	Use reporting limit	--
EPAMW11	Y21C2	Y21C3	23-Aug-05	EPA Method 8270	2,4,6-trichlorophenol	µg/L	10	U		10	10	U		10	NC	Agreement	Use reporting limit	--
EPAMW11	Y21C2	Y21C3	23-Aug-05	EPA Method 8270	2,4-dichlorophenol	µg/L	10	U		10	10	U		10	NC	Agreement	Use reporting limit	--
EPAMW11	Y21C2	Y21C3	23-Aug-05	EPA Method 8270	2,4-dimethylphenol	µg/L	10	U		10	10	U		10	NC	Agreement	Use reporting limit	--
EPAMW11	Y21C2	Y21C3	23-Aug-05	EPA Method 8270	2,4-dinitrophenol	µg/L	25	R		25	25	R		25	NC	Agreement	Use reporting limit	--
EPAMW11	Y21C2	Y21C3	23-Aug-05	EPA Method 8270	2,4-dinitrotoluene	µg/L	10	U		10	10	U		10	NC	Agreement	Use reporting limit	--
EPAMW11	Y21C2	Y21C3	23-Aug-05	EPA Method 8270	2,6-dinitrotoluene	µg/L	10	U		10	10	U		10	NC	Agreement	Use reporting limit	--
EPAMW11	Y21C2	Y21C3	23-Aug-05	EPA Method 8270	2-chloronaphthalene	µg/L	10	U		10	10	U		10	NC	Agreement	Use reporting limit	--
EPAMW11	Y21C2	Y21C3	23-Aug-05	EPA Method 8270	2-chlorophenol	µg/L	10	U		10	10	U		10	NC	Agreement	Use reporting limit	--
EPAMW11	Y21C2	Y21C3	23-Aug-05	EPA Method 8270	2-methylnaphthalene	µg/L	10	U		10	10	U		10	NC	Agreement	Use reporting limit	--

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							Result	Q	DL	RL	Result	Q	DL	RL				
EPAMW11	Y21C2	Y21C3	23-Aug-05	EPA Method 8270	2-methylphenol	µg/L	10	U		10	10	U		10	NC	Agreement	Use reporting limit	--
EPAMW11	Y21C2	Y21C3	23-Aug-05	EPA Method 8270	2-nitroaniline	µg/L	25	U		25	25	U		25	NC	Agreement	Use reporting limit	--
EPAMW11	Y21C2	Y21C3	23-Aug-05	EPA Method 8270	2-nitrophenol	µg/L	10	U		10	10	U		10	NC	Agreement	Use reporting limit	--
EPAMW11	Y21C2	Y21C3	23-Aug-05	EPA Method 8270	3,3-dichlorobenzidine	µg/L	10	UJ		10	10	UJ		10	NC	Agreement	Use reporting limit	--
EPAMW11	Y21C2	Y21C3	23-Aug-05	EPA Method 8270	3-nitroaniline	µg/L	25	U		25	25	U		25	NC	Agreement	Use reporting limit	--
EPAMW11	Y21C2	Y21C3	23-Aug-05	EPA Method 8270	4,6-dinitro-2-methylphenol	µg/L	25	UJ		25	25	UJ		25	NC	Agreement	Use reporting limit	--
EPAMW11	Y21C2	Y21C3	23-Aug-05	EPA Method 8270	4-bromophenyl-phenyl ether	µg/L	10	U		10	10	U		10	NC	Agreement	Use reporting limit	--
EPAMW11	Y21C2	Y21C3	23-Aug-05	EPA Method 8270	4-chloro-3-methylphenol	µg/L	10	U		10	10	U		10	NC	Agreement	Use reporting limit	--
EPAMW11	Y21C2	Y21C3	23-Aug-05	EPA Method 8270	4-chloroaniline	µg/L	10	U		10	10	U		10	NC	Agreement	Use reporting limit	--
EPAMW11	Y21C2	Y21C3	23-Aug-05	EPA Method 8270	4-chlorophenyl-phenyl ether	µg/L	10	U		10	10	U		10	NC	Agreement	Use reporting limit	--
EPAMW11	Y21C2	Y21C3	23-Aug-05	EPA Method 8270	4-methylphenol	µg/L	10	U		10	10	U		10	NC	Agreement	Use reporting limit	--
EPAMW11	Y21C2	Y21C3	23-Aug-05	EPA Method 8270	4-nitroaniline	µg/L	25	UJ		25	25	UJ		25	NC	Agreement	Use reporting limit	--
EPAMW11	Y21C2	Y21C3	23-Aug-05	EPA Method 8270	4-nitrophenol	µg/L	25	R		25	25	R		25	NC	Agreement	Use reporting limit	--
EPAMW11	Y21C2	Y21C3	23-Aug-05	EPA Method 8270	acenaphthene	µg/L	10	U		10	10	U		10	NC	Agreement	Use reporting limit	--
EPAMW11	Y21C2	Y21C3	23-Aug-05	EPA Method 8270	acenaphthylene	µg/L	10	U		10	10	U		10	NC	Agreement	Use reporting limit	--
EPAMW11	Y21C2	Y21C3	23-Aug-05	EPA Method 8270	acetophenone	µg/L	10	U		10	10	U		10	NC	Agreement	Use reporting limit	--
EPAMW11	Y21C2	Y21C3	23-Aug-05	EPA Method 8270	anthracene	µg/L	10	U		10	10	U		10	NC	Agreement	Use reporting limit	--
EPAMW11	Y21C2	Y21C3	23-Aug-05	EPA Method 8270	atrazine	µg/L	10	U		10	10	U		10	NC	Agreement	Use reporting limit	--
EPAMW11	Y21C2	Y21C3	23-Aug-05	EPA Method 8270	benzaldehyde	µg/L	10	U		10	10	U		10	NC	Agreement	Use reporting limit	--
EPAMW11	Y21C2	Y21C3	23-Aug-05	EPA Method 8270	benzo(a)anthracene	µg/L	10	U		10	10	U		10	NC	Agreement	Use reporting limit	--
EPAMW11	Y21C2	Y21C3	23-Aug-05	EPA Method 8270	benzo(a)pyrene	µg/L	10	U		10	10	U		10	NC	Agreement	Use reporting limit	--
EPAMW11	Y21C2	Y21C3	23-Aug-05	EPA Method 8270	benzo(b)fluoranthene	µg/L	10	U		10	10	U		10	NC	Agreement	Use reporting limit	--
EPAMW11	Y21C2	Y21C3	23-Aug-05	EPA Method 8270	benzo(g,h,i)perylene	µg/L	10	U		10	10	U		10	NC	Agreement	Use reporting limit	--
EPAMW11	Y21C2	Y21C3	23-Aug-05	EPA Method 8270	benzo(k)fluoranthene	µg/L	10	U		10	10	U		10	NC	Agreement	Use reporting limit	--
EPAMW11	Y21C2	Y21C3	23-Aug-05	EPA Method 8270	biphenyl	µg/L	10	U		10	10	U		10	NC	Agreement	Use reporting limit	--
EPAMW11	Y21C2	Y21C3	23-Aug-05	EPA Method 8270	bis(2-chloroethoxy)methane	µg/L	10	U		10	10	U		10	NC	Agreement	Use reporting limit	--
EPAMW11	Y21C2	Y21C3	23-Aug-05	EPA Method 8270	bis(2-chloroethyl)ether	µg/L	10	U		10	10	U		10	NC	Agreement	Use reporting limit	--
EPAMW11	Y21C2	Y21C3	23-Aug-05	EPA Method 8270	bis(2-ethylhexyl)phthalate	µg/L	10	U		10	10	U		10	NC	Agreement	Use reporting limit	--
EPAMW11	Y21C2	Y21C3	23-Aug-05	EPA Method 8270	butylbenzyl phthalate	µg/L	10	U		10	10	U		10	NC	Agreement	Use reporting limit	--
EPAMW11	Y21C2	Y21C3	23-Aug-05	EPA Method 8270	caprolactam	µg/L	10	UJ		10	10	UJ		10	NC	Agreement	Use reporting limit	--
EPAMW11	Y21C2	Y21C3	23-Aug-05	EPA Method 8270	carbazole	µg/L	10	U		10	10	U		10	NC	Agreement	Use reporting limit	--
EPAMW11	Y21C2	Y21C3	23-Aug-05	EPA Method 8270	chrysene	µg/L	10	U		10	10	U		10	NC	Agreement	Use reporting limit	--
EPAMW11	Y21C2	Y21C3	23-Aug-05	EPA Method 8270	dibenzo(a,h)anthracene	µg/L	10	U		10	10	U		10	NC	Agreement	Use reporting limit	--
EPAMW11	Y21C2	Y21C3	23-Aug-05	EPA Method 8270	dibenzofuran	µg/L	10	U		10	10	U		10	NC	Agreement	Use reporting limit	--
EPAMW11	Y21C2	Y21C3	23-Aug-05	EPA Method 8270	diethyl phthalate	µg/L	10	U		10	10	U		10	NC	Agreement	Use reporting limit	--
EPAMW11	Y21C2	Y21C3	23-Aug-05	EPA Method 8270	dimethyl phthalate	µg/L	10	U		10	10	U		10	NC	Agreement	Use reporting limit	--
EPAMW11	Y21C2	Y21C3	23-Aug-05	EPA Method 8270	di-n-butylphthalate	µg/L	10	U		10	10	U		10	NC	Agreement	Use reporting limit	--
EPAMW11	Y21C2	Y21C3	23-Aug-05	EPA Method 8270	di-n-octyl phthalate	µg/L	10	U		10	10	U		10	NC	Agreement	Use reporting limit	--
EPAMW11	Y21C2	Y21C3	23-Aug-05	EPA Method 8270	fluoranthene	µg/L	10	U		10	10	U		10	NC	Agreement	Use reporting limit	--
EPAMW11	Y21C2	Y21C3	23-Aug-05	EPA Method 8270	fluorene	µg/L	10	U		10	10	U		10	NC	Agreement	Use reporting limit	--
EPAMW11	Y21C2	Y21C3	23-Aug-05	EPA Method 8270	hexachlorobenzene	µg/L	10	U		10	10	U		10	NC	Agreement	Use reporting limit	--

Notes:
[1]Relative percent difference calculated using the equation %RPD = ((N-D)/(N+D))/2.
[2]Table C-3 provides EPA's criteria for comparing field duplicate sample results.
[3]The reporting criteria for field duplicates are designed to ensure that the most conservative data set in terms of protection of human health and the environment.

D = Field Duplicate
N = Primary Sample
mg/L = milligram(s) per liter
µg/L = microgram(s) per liter
ng/L = nanogram(s) per liter
NC = RPD not calculated
RPD = relative percent difference
-- = comparison to criterion not required due to data agreement.

Qualifiers
J = Estimated Value
LJ = Estimated Value, Result May be Biased Low
R = Rejected
U = Non-Detect
UJ = Non-Detect Estimated Value
UR = Rejected Non-Detect

TABLE C-4
Field Duplicate Evaluation
Remedial Investigation
San Gabriel Valley Area 3 Superfund Site

Location	Parent Sample ID	Field Duplicate ID	Sample Date	Analysis Method	Parameter	Units	Parent Sample Results				Field Duplicate Results				RPD[1]	Conclusion[2]	Reporting Criteria[3]	Comparison to Evaluation Criterion in event of Disagreement or Major Disagreement
							Result	Q	DL	RL	Result	Q	DL	RL				
EPAMW11	Y21C2	Y21C3	23-Aug-05	EPA Method 8270	hexachlorobutadiene	µg/L	10	U		10	10	U		10	NC	Agreement	Use reporting limit	--
EPAMW11	Y21C2	Y21C3	23-Aug-05	EPA Method 8270	hexachlorocyclopentadiene	µg/L	10	U		10	10	U		10	NC	Agreement	Use reporting limit	--
EPAMW11	Y21C2	Y21C3	23-Aug-05	EPA Method 8270	hexachloroethane	µg/L	10	U		10	10	U		10	NC	Agreement	Use reporting limit	--
EPAMW11	Y21C2	Y21C3	23-Aug-05	EPA Method 8270	indeno(1,2,3-c,d)pyrene	µg/L	10	U		10	10	U		10	NC	Agreement	Use reporting limit	--
EPAMW11	Y21C2	Y21C3	23-Aug-05	EPA Method 8270	isophorone	µg/L	10	U		10	10	U		10	NC	Agreement	Use reporting limit	--
EPAMW11	Y21C2	Y21C3	23-Aug-05	EPA Method 8270	naphthalene	µg/L	10	U		10	10	U		10	NC	Agreement	Use reporting limit	--
EPAMW11	Y21C2	Y21C3	23-Aug-05	EPA Method 8270	nitrobenzene	µg/L	10	U		10	10	U		10	NC	Agreement	Use reporting limit	--
EPAMW11	Y21C2	Y21C3	23-Aug-05	EPA Method 8270	n-nitrosodi-n-propylamine	µg/L	10	U		10	10	U		10	NC	Agreement	Use reporting limit	--
EPAMW11	Y21C2	Y21C3	23-Aug-05	EPA Method 8270	n-nitrosodiphenylamine	µg/L	10	U		10	10	U		10	NC	Agreement	Use reporting limit	--
EPAMW11	Y21C2	Y21C3	23-Aug-05	EPA Method 8270	pentachlorophenol	µg/L	25	U		25	25	U		25	NC	Agreement	Use reporting limit	--
EPAMW11	Y21C2	Y21C3	23-Aug-05	EPA Method 8270	phenanthrene	µg/L	10	U		10	10	U		10	NC	Agreement	Use reporting limit	--
EPAMW11	Y21C2	Y21C3	23-Aug-05	EPA Method 8270	phenol	µg/L	10	U		10	10	U		10	NC	Agreement	Use reporting limit	--
EPAMW11	Y21C2	Y21C3	23-Aug-05	EPA Method 8270	pyrene	µg/L	10	U		10	10	U		10	NC	Agreement	Use reporting limit	--
EPAMW11	Y21C2	Y21C3	23-Aug-05	Dissolved Metal (CLP)	aluminum	µg/L	71.5	UJ	14.8	200	75.7	UJ	14.8	200	NC	Agreement	Use reporting limit	--
EPAMW11	Y21C2	Y21C3	23-Aug-05	Dissolved Metal (CLP)	antimony	µg/L	2	U	0.17	2	2	U	0.17	2	NC	Agreement	Use reporting limit	--
EPAMW11	Y21C2	Y21C3	23-Aug-05	Dissolved Metal (CLP)	arsenic	µg/L	**0.69**	**LJ**	0.21	1	**0.63**	**LJ**	0.21	1	**9.1%**	Agreement	Use higher concentration	--
EPAMW11	Y21C2	Y21C3	23-Aug-05	Dissolved Metal (CLP)	barium	µg/L	**112**		0.11	10	**112**		0.11	10	**0.0%**	Agreement	Use detected concentration	--
EPAMW11	Y21C2	Y21C3	23-Aug-05	Dissolved Metal (CLP)	beryllium	µg/L	1	U	0.37	1	1	U	0.37	1	NC	Agreement	Use reporting limit	--
EPAMW11	Y21C2	Y21C3	23-Aug-05	Dissolved Metal (CLP)	cadmium	µg/L	1	U	0.18	1	1	U	0.18	1	NC	Agreement	Use reporting limit	--
EPAMW11	Y21C2	Y21C3	23-Aug-05	Dissolved Metal (CLP)	calcium	µg/L	**98300**		43.6	5000	**97500**		43.6	5000	**0.8%**	Agreement	Use higher concentration	--
EPAMW11	Y21C2	Y21C3	23-Aug-05	Dissolved Metal (CLP)	chromium (total)	µg/L	**11.8**		0.19	2	**11.9**		0.19	2	**0.8%**	Agreement	Use higher concentration	--
EPAMW11	Y21C2	Y21C3	23-Aug-05	Dissolved Metal (CLP)	cobalt	µg/L	1	U	0.22	1	1	U	0.22	1	NC	Agreement	Use reporting limit	--
EPAMW11	Y21C2	Y21C3	23-Aug-05	Dissolved Metal (CLP)	copper	µg/L	**0.99**	**LJ**	0.23	2	**1.1**	**LJ**	0.23	2	**10.5%**	Agreement	Use higher concentration	--
EPAMW11	Y21C2	Y21C3	23-Aug-05	Dissolved Metal (CLP)	iron	µg/L	100	U	49.8	100	100	U	49.8	100	NC	Agreement	Use reporting limit	--
EPAMW11	Y21C2	Y21C3	23-Aug-05	Dissolved Metal (CLP)	lead	µg/L	1	U	0.16	1	1	U	0.16	1	NC	Agreement	Use reporting limit	--
EPAMW11	Y21C2	Y21C3	23-Aug-05	Dissolved Metal (CLP)	magnesium	µg/L	**36500**		8.8	5000	**36200**		8.8	5000	**0.8%**	Agreement	Use higher concentration	--
EPAMW11	Y21C2	Y21C3	23-Aug-05	Dissolved Metal (CLP)	manganese	µg/L	**0.91**	**LJ**	0.27	1	**1.3**		0.27	1	**35.3%**	Disagreement	Use higher concentration	Both concentrations exceed MCL
EPAMW11	Y21C2	Y21C3	23-Aug-05	Dissolved Metal (CLP)	mercury	µg/L	0.2	U	0.04	0.2	0.2	U	0.04	0.2	NC	Agreement	Use reporting limit	--
EPAMW11	Y21C2	Y21C3	23-Aug-05	Dissolved Metal (CLP)	molybdenum	µg/L	**8.3**		0.27	1	**8.4**		0.27	1	**1.2%**	Agreement	Use higher concentration	--
EPAMW11	Y21C2	Y21C3	23-Aug-05	Dissolved Metal (CLP)	nickel	µg/L	**0.64**	**LJ**	0.29	1	**0.57**	**LJ**	0.29	1	**11.6%**	Agreement	Use higher concentration	--
EPAMW11	Y21C2	Y21C3	23-Aug-05	Dissolved Metal (CLP)	potassium	µg/L	**2480**	**J**	38.7	5000	**2480**	**J**	38.7	5000	**0.0%**	Agreement	Use detected concentration	--
EPAMW11	Y21C2	Y21C3	23-Aug-05	Dissolved Metal (CLP)	selenium	µg/L	**2.2**	**LJ**	0.62	5	**2**	**LJ**	0.62	5	**9.5%**	Agreement	Use higher concentration	--
EPAMW11	Y21C2	Y21C3	23-Aug-05	Dissolved Metal (CLP)	silver	µg/L	1	UJ	0.068	1	1	UJ	0.068	1	NC	Agreement	Use reporting limit	--
EPAMW11	Y21C2	Y21C3	23-Aug-05	Dissolved Metal (CLP)	sodium	µg/L	**70200**		709	5000	**69700**		709	5000	**0.7%**	Agreement	Use higher concentration	--
EPAMW11	Y21C2	Y21C3	23-Aug-05	Dissolved Metal (CLP)	thallium	µg/L	1	U	0.096	1	1	U	0.096	1	NC	Agreement	Use reporting limit	--
EPAMW11	Y21C2	Y21C3	23-Aug-05	Dissolved Metal (CLP)	vanadium	µg/L	**6.5**		0.45	1	**6.5**		0.45	1	**0.0%**	Agreement	Use detected concentration	--
EPAMW11	Y21C2	Y21C3	23-Aug-05	Dissolved Metal (CLP)	zinc	µg/L	**3.1**		0.81	2	**2.6**		0.81	2	**17.5%**	Agreement	Use higher concentration	--
EPAMW11	Y30A8	Y30A9	13-Nov-06	EPA Method 314.0	perchlorate	µg/L	**4.9**		1	2	**4.7**		1	2	**4.2%**	Agreement	Use higher concentration	--
EPAMW11	Y30A8	Y30A9	13-Nov-06	Volatile Organics (CLP)	1,1,1-trichloroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW11	Y30A8	Y30A9	13-Nov-06	Volatile Organics (CLP)	1,1,2,2-tetrachloroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW11	Y30A8	Y30A9	13-Nov-06	Volatile Organics (CLP)	1,1,2-trichloro-1,2,2-trifluoroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--

Notes:
[1]Relative percent difference calculated using the equation %RPD = ((N-D)/(N+D))/2.
[2]Table C-3 provides EPA's criteria for comparing field duplicate sample results.
[3]The reporting criteria for field duplicates are designed to ensure that the most conservative data set in terms of protection of human health and the environment.

D = Field Duplicate
N = Primary Sample
mg/L = milligram(s) per liter
µg/L = microgram(s) per liter
ng/L = nanogram(s) per liter
NC = RPD not calculated
RPD = relative percent difference
-- = comparison to criterion not required due to data agreement.

Qualifiers
J = Estimated Value
LJ = Estimated Value, Result May be Biased Low
R = Rejected
U = Non-Detect
UJ = Non-Detect Estimated Value
UR = Rejected Non-Detect

Location	Parent Sample ID	Field Duplicate ID	Sample Date	Analysis Method	Parameter	Units	Parent Sample Results				Field Duplicate Results				RPD[1]	Conclusion[2]	Reporting Criteria[3]	Comparison to Evaluation Criterion in event of Disagreement or Major Disagreement
							Result	Q	DL	RL	Result	Q	DL	RL				
EPAMW11	Y30A8	Y30A9	13-Nov-06	Volatile Organics (CLP)	1,1,2-trichloroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW11	Y30A8	Y30A9	13-Nov-06	Volatile Organics (CLP)	1,1-dichloroethane	µg/L	**0.27**	**J**		0.5	**0.28**	**J**		0.5	**3.6%**	Agreement	Use higher concentration	--
EPAMW11	Y30A8	Y30A9	13-Nov-06	Volatile Organics (CLP)	1,1-dichloroethene	µg/L	0.5	U		0.5	**2.4**			0.5	NC	Agreement	Use positive result	--
EPAMW11	Y30A8	Y30A9	13-Nov-06	Volatile Organics (CLP)	1,2,3-trichlorobenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW11	Y30A8	Y30A9	13-Nov-06	Volatile Organics (CLP)	1,2,4-trichlorobenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW11	Y30A8	Y30A9	13-Nov-06	Volatile Organics (CLP)	1,2-dibromoethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW11	Y30A8	Y30A9	13-Nov-06	Volatile Organics (CLP)	1,2-dichlorobenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW11	Y30A8	Y30A9	13-Nov-06	Volatile Organics (CLP)	1,2-dichloroethane	µg/L	**0.88**			0.5	**0.82**			0.5	**7.1%**	Agreement	Use higher concentration	--
EPAMW11	Y30A8	Y30A9	13-Nov-06	Volatile Organics (CLP)	1,2-dichloropropane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW11	Y30A8	Y30A9	13-Nov-06	Volatile Organics (CLP)	1,3-dichlorobenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW11	Y30A8	Y30A9	13-Nov-06	Volatile Organics (CLP)	1,4-dichlorobenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW11	Y30A8	Y30A9	13-Nov-06	Volatile Organics (CLP)	1,4-dioxane	µg/L	20	U		20	20	U		20	NC	Agreement	Use reporting limit	--
EPAMW11	Y30A8	Y30A9	13-Nov-06	Volatile Organics (CLP)	2-butanone	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW11	Y30A8	Y30A9	13-Nov-06	Volatile Organics (CLP)	2-hexanone	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW11	Y30A8	Y30A9	13-Nov-06	Volatile Organics (CLP)	4-methyl-2-pentanone	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW11	Y30A8	Y30A9	13-Nov-06	Volatile Organics (CLP)	acetone	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW11	Y30A8	Y30A9	13-Nov-06	Volatile Organics (CLP)	benzene	µg/L	**0.026**	**J**		0.5	0.5	U		0.5	NC	Agreement	Use positive result	--
EPAMW11	Y30A8	Y30A9	13-Nov-06	Volatile Organics (CLP)	bromochloromethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW11	Y30A8	Y30A9	13-Nov-06	Volatile Organics (CLP)	bromodichloromethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW11	Y30A8	Y30A9	13-Nov-06	Volatile Organics (CLP)	bromoform	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW11	Y30A8	Y30A9	13-Nov-06	Volatile Organics (CLP)	bromomethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW11	Y30A8	Y30A9	13-Nov-06	Volatile Organics (CLP)	carbon disulfide	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW11	Y30A8	Y30A9	13-Nov-06	Volatile Organics (CLP)	carbon tetrachloride	µg/L	**1.3**			0.5	**1.3**			0.5	**0.0%**	Agreement	Use detected concentration	--
EPAMW11	Y30A8	Y30A9	13-Nov-06	Volatile Organics (CLP)	chlorobenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW11	Y30A8	Y30A9	13-Nov-06	Volatile Organics (CLP)	chloroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW11	Y30A8	Y30A9	13-Nov-06	Volatile Organics (CLP)	chloroform	µg/L	**0.84**			0.5	**0.82**			0.5	**2.4%**	Agreement	Use higher concentration	--
EPAMW11	Y30A8	Y30A9	13-Nov-06	Volatile Organics (CLP)	chloromethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW11	Y30A8	Y30A9	13-Nov-06	Volatile Organics (CLP)	cis-1,2-dichloroethene	µg/L	**4.5**			0.5	**4.3**			0.5	**4.5%**	Agreement	Use higher concentration	--
EPAMW11	Y30A8	Y30A9	13-Nov-06	Volatile Organics (CLP)	cis-1,3-dichloropropene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW11	Y30A8	Y30A9	13-Nov-06	Volatile Organics (CLP)	cyclohexane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW11	Y30A8	Y30A9	13-Nov-06	Volatile Organics (CLP)	dibromochloromethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW11	Y30A8	Y30A9	13-Nov-06	Volatile Organics (CLP)	dibromochloropropane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW11	Y30A8	Y30A9	13-Nov-06	Volatile Organics (CLP)	dichlorodifluoromethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW11	Y30A8	Y30A9	13-Nov-06	Volatile Organics (CLP)	ethylbenzene	µg/L	0.5	U		0.5	**0.0067**	**J**		0.5	NC	Agreement	Use positive result	--
EPAMW11	Y30A8	Y30A9	13-Nov-06	Volatile Organics (CLP)	isopropylbenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW11	Y30A8	Y30A9	13-Nov-06	Volatile Organics (CLP)	m,p-xylene	µg/L	0.5	U		0.5	**0.0082**	**J**		0.5	NC	Agreement	Use positive result	--
EPAMW11	Y30A8	Y30A9	13-Nov-06	Volatile Organics (CLP)	methyl ester acetic acid	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW11	Y30A8	Y30A9	13-Nov-06	Volatile Organics (CLP)	methyl tert-butyl ether	µg/L	0.5	U		0.5	**0.3**	**J**		0.5	NC	Agreement	Use positive result	--
EPAMW11	Y30A8	Y30A9	13-Nov-06	Volatile Organics (CLP)	methylcyclohexane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW11	Y30A8	Y30A9	13-Nov-06	Volatile Organics (CLP)	methylene chloride	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW11	Y30A8	Y30A9	13-Nov-06	Volatile Organics (CLP)	o-xylene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--

Notes:
[1]Relative percent difference calculated using the equation %RPD = ((N-D)/(N+D))/2.
[2]Table C-3 provides EPA's criteria for comparing field duplicate sample results.
[3]The reporting criteria for field duplicates are designed to ensure that the most conservative data set in terms of protection of human health and the environment.

D = Field Duplicate
N = Primary Sample
mg/L = milligram(s) per liter
µg/L = microgram(s) per liter
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NC = RPD not calculated
RPD = relative percent difference
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Qualifiers
J = Estimated Value
LJ = Estimated Value, Result May be Biased Low
R = Rejected
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TABLE C-4
Field Duplicate Evaluation
Remedial Investigation
San Gabriel Valley Area 3 Superfund Site

Location	Parent Sample ID	Field Duplicate ID	Sample Date	Analysis Method	Parameter	Units	Parent Sample Results				Field Duplicate Results				RPD[1]	Conclusion[2]	Reporting Criteria[3]	Comparison to Evaluation Criterion in event of Disagreement or Major Disagreement
							Result	Q	DL	RL	Result	Q	DL	RL				
EPAMW11	Y30A8	Y30A9	13-Nov-06	Volatile Organics (CLP)	styrene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW11	Y30A8	Y30A9	13-Nov-06	Volatile Organics (CLP)	tert-butyl alcohol	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW11	Y30A8	Y30A9	13-Nov-06	Volatile Organics (CLP)	tetrachloroethene	µg/L	**12**			0.5	**12**			0.5	**0.0%**	Agreement	Use detected concentration	--
EPAMW11	Y30A8	Y30A9	13-Nov-06	Volatile Organics (CLP)	toluene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW11	Y30A8	Y30A9	13-Nov-06	Volatile Organics (CLP)	trans-1,2-dichloroethene	µg/L	**0.23**	**J**		0.5	**0.21**	**J**		0.5	**9.1%**	Agreement	Use higher concentration	--
EPAMW11	Y30A8	Y30A9	13-Nov-06	Volatile Organics (CLP)	trans-1,3-dichloropropene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW11	Y30A8	Y30A9	13-Nov-06	Volatile Organics (CLP)	trichloroethene	µg/L	**190**			0.5	**320**			0.5	**51.0%**	Disagreement	Use higher concentration	Both concentrations exceed MCL
EPAMW11	Y30A8	Y30A9	13-Nov-06	Volatile Organics (CLP)	trichlorofluoromethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW11	Y30A8	Y30A9	13-Nov-06	Volatile Organics (CLP)	vinyl chloride	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW11	Y21C2	Y21C3	23-Aug-05	EPA Method 8270-SIM	2,4,6-trichlorophenol	µg/L	0.1	U		0.1	0.1	U		0.1	NC	Agreement	Use reporting limit	--
EPAMW11	Y21C2	Y21C3	23-Aug-05	EPA Method 8270-SIM	2-nitroaniline	µg/L	0.1	U		0.1	0.1	U		0.1	NC	Agreement	Use reporting limit	--
EPAMW11	Y21C2	Y21C3	23-Aug-05	EPA Method 8270-SIM	3,3-dichlorobenzidine	µg/L	0.1	R		0.1	0.1	R		0.1	NC	Agreement	Use reporting limit	--
EPAMW11	Y21C2	Y21C3	23-Aug-05	EPA Method 8270-SIM	atrazine	µg/L	0.1	U		0.1	0.1	U		0.1	NC	Agreement	Use reporting limit	--
EPAMW11	Y21C2	Y21C3	23-Aug-05	EPA Method 8270-SIM	benzo(a)anthracene	µg/L	0.01	U		0.01	0.01	U		0.01	NC	Agreement	Use reporting limit	--
EPAMW11	Y21C2	Y21C3	23-Aug-05	EPA Method 8270-SIM	benzo(a)pyrene	µg/L	0.01	U		0.01	0.01	U		0.01	NC	Agreement	Use reporting limit	--
EPAMW11	Y21C2	Y21C3	23-Aug-05	EPA Method 8270-SIM	benzo(b)fluoranthene	µg/L	0.01	U		0.01	0.01	U		0.01	NC	Agreement	Use reporting limit	--
EPAMW11	Y21C2	Y21C3	23-Aug-05	EPA Method 8270-SIM	benzo(g,h,i)perylene	µg/L	0.01	U		0.01	0.01	U		0.01	NC	Agreement	Use reporting limit	--
EPAMW11	Y21C2	Y21C3	23-Aug-05	EPA Method 8270-SIM	benzo(k)fluoranthene	µg/L	0.01	U		0.01	0.01	U		0.01	NC	Agreement	Use reporting limit	--
EPAMW11	Y21C2	Y21C3	23-Aug-05	EPA Method 8270-SIM	bis(2-chloroethoxy)methane	µg/L	0.01	U		0.01	0.01	U		0.01	NC	Agreement	Use reporting limit	--
EPAMW11	Y21C2	Y21C3	23-Aug-05	EPA Method 8270-SIM	bis(2-chloroethyl)ether	µg/L	0.09	UJ			0.08	UJ			NC	Agreement	Use reporting limit	--
EPAMW11	Y21C2	Y21C3	23-Aug-05	EPA Method 8270-SIM	bis(2-ethylhexyl)phthalate	µg/L	0.6	UJ			1	UJ			NC	Agreement	Use reporting limit	--
EPAMW11	Y21C2	Y21C3	23-Aug-05	EPA Method 8270-SIM	dibenzo(a,h)anthracene	µg/L	**0.02**				**0.01**				**66.7%**	Major Disagreement	Use higher concentration	Evaluation criterion not established
EPAMW11	Y21C2	Y21C3	23-Aug-05	EPA Method 8270-SIM	hexachlorobenzene	µg/L	0.1	U		0.1	0.1	U		0.1	NC	Agreement	Use reporting limit	--
EPAMW11	Y21C2	Y21C3	23-Aug-05	EPA Method 8270-SIM	hexachlorobutadiene	µg/L	0.1	U		0.1	0.1	U		0.1	NC	Agreement	Use reporting limit	--
EPAMW11	Y21C2	Y21C3	23-Aug-05	EPA Method 8270-SIM	hexachloroethane	µg/L	0.1	U		0.1	0.1	U		0.1	NC	Agreement	Use reporting limit	--
EPAMW11	Y21C2	Y21C3	23-Aug-05	EPA Method 8270-SIM	indeno(1,2,3-c,d)pyrene	µg/L	0.01	U		0.01	0.01	U		0.01	NC	Agreement	Use reporting limit	--
EPAMW11	Y21C2	Y21C3	23-Aug-05	EPA Method 8270-SIM	nitrobenzene	µg/L	0.01	U		0.01	0.01	U		0.01	NC	Agreement	Use reporting limit	--
EPAMW11	Y21C2	Y21C3	23-Aug-05	EPA Method 8270-SIM	n-nitrosodi-n-propylamine	µg/L	0.01	U		0.01	0.01	U		0.01	NC	Agreement	Use reporting limit	--
EPAMW11	Y21C2	Y21C3	23-Aug-05	EPA Method 8270-SIM	pentachlorophenol	µg/L	0.1	R		0.1	0.1	R		0.1	NC	Agreement	Use reporting limit	--
EPAMW12A	Y1DQ0	Y1DQ1	04-Aug-04	Volatile Organics (CLP)	1,1,1-trichloroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW12A	Y1DQ0	Y1DQ1	04-Aug-04	Volatile Organics (CLP)	1,1,2,2-tetrachloroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW12A	Y1DQ0	Y1DQ1	04-Aug-04	Volatile Organics (CLP)	1,1,2-trichloro-1,2,2-trifluoroethane	µg/L	**0.16**	**LJ**			0.5	U		0.5	NC	Agreement	Use positive result	--
EPAMW12A	Y1DQ0	Y1DQ1	04-Aug-04	Volatile Organics (CLP)	1,1,2-trichloroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW12A	Y1DQ0	Y1DQ1	04-Aug-04	Volatile Organics (CLP)	1,1-dichloroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW12A	Y1DQ0	Y1DQ1	04-Aug-04	Volatile Organics (CLP)	1,1-dichloroethene	µg/L	**1.4**				**1.3**				**7.4%**	Agreement	Use higher concentration	--
EPAMW12A	Y1DQ0	Y1DQ1	04-Aug-04	Volatile Organics (CLP)	1,2,3-trichlorobenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW12A	Y1DQ0	Y1DQ1	04-Aug-04	Volatile Organics (CLP)	1,2,4-trichlorobenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW12A	Y1DQ0	Y1DQ1	04-Aug-04	Volatile Organics (CLP)	1,2-dibromoethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW12A	Y1DQ0	Y1DQ1	04-Aug-04	Volatile Organics (CLP)	1,2-dichlorobenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW12A	Y1DQ0	Y1DQ1	04-Aug-04	Volatile Organics (CLP)	1,2-dichloroethane	µg/L	**0.24**	**LJ**			**0.2**	**LJ**			**18.2%**	Agreement	Use higher concentration	--
EPAMW12A	Y1DQ0	Y1DQ1	04-Aug-04	Volatile Organics (CLP)	1,2-dichloropropane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--

Notes:
[1]Relative percent difference calculated using the equation %RPD = ((N-D)/(N+D))/2.
[2]Table C-3 provides EPA's criteria for comparing field duplicate sample results.
[3]The reporting criteria for field duplicates are designed to ensure that the most conservative data set in terms of protection of human health and the environment.

D = Field Duplicate
N = Primary Sample
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TABLE C-4
Field Duplicate Evaluation
Remedial Investigation
San Gabriel Valley Area 3 Superfund Site

Location	Parent Sample ID	Field Duplicate ID	Sample Date	Analysis Method	Parameter	Units	Parent Sample Results				Field Duplicate Results				RPD[1]	Conclusion[2]	Reporting Criteria[3]	Comparison to Evaluation Criterion in event of Disagreement or Major Disagreement
							Result	Q	DL	RL	Result	Q	DL	RL				
EPAMW12A	Y1DQ0	Y1DQ1	04-Aug-04	Volatile Organics (CLP)	1,3-dichlorobenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW12A	Y1DQ0	Y1DQ1	04-Aug-04	Volatile Organics (CLP)	1,4-dichlorobenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW12A	Y1DQ0	Y1DQ1	04-Aug-04	Volatile Organics (CLP)	2-butanone	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW12A	Y1DQ0	Y1DQ1	04-Aug-04	Volatile Organics (CLP)	2-hexanone	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW12A	Y1DQ0	Y1DQ1	04-Aug-04	Volatile Organics (CLP)	4-methyl-2-pentanone	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW12A	Y1DQ0	Y1DQ1	04-Aug-04	Volatile Organics (CLP)	acetone	µg/L	5	UJ			5	UJ		5	NC	Agreement	Use reporting limit	--
EPAMW12A	Y1DQ0	Y1DQ1	04-Aug-04	Volatile Organics (CLP)	benzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW12A	Y1DQ0	Y1DQ1	04-Aug-04	Volatile Organics (CLP)	bromochloromethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW12A	Y1DQ0	Y1DQ1	04-Aug-04	Volatile Organics (CLP)	bromodichloromethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW12A	Y1DQ0	Y1DQ1	04-Aug-04	Volatile Organics (CLP)	bromoform	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW12A	Y1DQ0	Y1DQ1	04-Aug-04	Volatile Organics (CLP)	bromomethane	µg/L	0.5	UJ		0.5	0.5	UJ		0.5	NC	Agreement	Use reporting limit	--
EPAMW12A	Y1DQ0	Y1DQ1	04-Aug-04	Volatile Organics (CLP)	carbon disulfide	µg/L	**0.26**	**LJ**			**0.25**	**LJ**			**3.9%**	Agreement	Use higher concentration	--
EPAMW12A	Y1DQ0	Y1DQ1	04-Aug-04	Volatile Organics (CLP)	carbon tetrachloride	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW12A	Y1DQ0	Y1DQ1	04-Aug-04	Volatile Organics (CLP)	chlorobenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW12A	Y1DQ0	Y1DQ1	04-Aug-04	Volatile Organics (CLP)	chloroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW12A	Y1DQ0	Y1DQ1	04-Aug-04	Volatile Organics (CLP)	chloroform	µg/L	**0.29**	**LJ**			**0.31**	**LJ**			**6.7%**	Agreement	Use higher concentration	--
EPAMW12A	Y1DQ0	Y1DQ1	04-Aug-04	Volatile Organics (CLP)	chloromethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW12A	Y1DQ0	Y1DQ1	04-Aug-04	Volatile Organics (CLP)	cis-1,2-dichloroethene	µg/L	**10**				**9.3**				**7.3%**	Agreement	Use higher concentration	--
EPAMW12A	Y1DQ0	Y1DQ1	04-Aug-04	Volatile Organics (CLP)	cis-1,3-dichloropropene	µg/L	**0.1**	**LJ**			0.5	U		0.5	NC	Agreement	Use positive result	--
EPAMW12A	Y1DQ0	Y1DQ1	04-Aug-04	Volatile Organics (CLP)	cyclohexane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW12A	Y1DQ0	Y1DQ1	04-Aug-04	Volatile Organics (CLP)	dibromochloromethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW12A	Y1DQ0	Y1DQ1	04-Aug-04	Volatile Organics (CLP)	dibromochloropropane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW12A	Y1DQ0	Y1DQ1	04-Aug-04	Volatile Organics (CLP)	dichlorodifluoromethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW12A	Y1DQ0	Y1DQ1	04-Aug-04	Volatile Organics (CLP)	ethylbenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW12A	Y1DQ0	Y1DQ1	04-Aug-04	Volatile Organics (CLP)	isopropylbenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW12A	Y1DQ0	Y1DQ1	04-Aug-04	Volatile Organics (CLP)	methyl ester acetic acid	µg/L	0.5	UJ		0.5	0.5	UJ		0.5	NC	Agreement	Use reporting limit	--
EPAMW12A	Y1DQ0	Y1DQ1	04-Aug-04	Volatile Organics (CLP)	methyl tert-butyl ether	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW12A	Y1DQ0	Y1DQ1	04-Aug-04	Volatile Organics (CLP)	methylcyclohexane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW12A	Y1DQ0	Y1DQ1	04-Aug-04	Volatile Organics (CLP)	methylene chloride	µg/L	0.5	UJ			0.5	UJ			NC	Agreement	Use reporting limit	--
EPAMW12A	Y1DQ0	Y1DQ1	04-Aug-04	Volatile Organics (CLP)	styrene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW12A	Y1DQ0	Y1DQ1	04-Aug-04	Volatile Organics (CLP)	tetrachloroethene	µg/L	**2.4**				**2.3**				**4.3%**	Agreement	Use higher concentration	--
EPAMW12A	Y1DQ0	Y1DQ1	04-Aug-04	Volatile Organics (CLP)	toluene	µg/L	**3.2**				**3.1**				**3.2%**	Agreement	Use higher concentration	--
EPAMW12A	Y1DQ0	Y1DQ1	04-Aug-04	Volatile Organics (CLP)	total xylenes	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW12A	Y1DQ0	Y1DQ1	04-Aug-04	Volatile Organics (CLP)	trans-1,2-dichloroethene	µg/L	**0.14**	**LJ**			**0.17**	**LJ**			**19.4%**	Agreement	Use higher concentration	--
EPAMW12A	Y1DQ0	Y1DQ1	04-Aug-04	Volatile Organics (CLP)	trans-1,3-dichloropropene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW12A	Y1DQ0	Y1DQ1	04-Aug-04	Volatile Organics (CLP)	trichloroethene	µg/L	**68**				**75**				**9.8%**	Agreement	Use higher concentration	--
EPAMW12A	Y1DQ0	Y1DQ1	04-Aug-04	Volatile Organics (CLP)	trichlorofluoromethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW12A	Y1DQ0	Y1DQ1	04-Aug-04	Volatile Organics (CLP)	vinyl chloride	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW12A	Y2943	Y2944	02-Dec-05	EPA Method 8270	1,2,4,5-tetrachlorobenzene	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW12A	Y2943	Y2944	02-Dec-05	EPA Method 8270	1,4-dioxane	µg/L	1	U		1	1	U		1	NC	Agreement	Use reporting limit	--
EPAMW12A	Y2943	Y2944	02-Dec-05	EPA Method 8270	2,2'-oxybis(1-chloropropane)	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--

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Location	Parent Sample ID	Field Duplicate ID	Sample Date	Analysis Method	Parameter	Units	Parent Sample Results				Field Duplicate Results				RPD[1]	Conclusion[2]	Reporting Criteria[3]	Comparison to Evaluation Criterion in event of Disagreement or Major Disagreement
							Result	Q	DL	RL	Result	Q	DL	RL				
EPAMW12A	Y2943	Y2944	02-Dec-05	EPA Method 8270	2,4,5- trichlorophenol	µg/L	20	U		20	20	U		20	NC	Agreement	Use reporting limit	--
EPAMW12A	Y2943	Y2944	02-Dec-05	EPA Method 8270	2,4,6-trichlorophenol	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW12A	Y2943	Y2944	02-Dec-05	EPA Method 8270	2,4-dichlorophenol	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW12A	Y2943	Y2944	02-Dec-05	EPA Method 8270	2,4-dimethylphenol	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW12A	Y2943	Y2944	02-Dec-05	EPA Method 8270	2,4-dinitrophenol	µg/L	20	U		20	20	U		20	NC	Agreement	Use reporting limit	--
EPAMW12A	Y2943	Y2944	02-Dec-05	EPA Method 8270	2,4-dinitrotoluene	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW12A	Y2943	Y2944	02-Dec-05	EPA Method 8270	2,6-dinitrotoluene	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW12A	Y2943	Y2944	02-Dec-05	EPA Method 8270	2-chloronaphthalene	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW12A	Y2943	Y2944	02-Dec-05	EPA Method 8270	2-chlorophenol	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW12A	Y2943	Y2944	02-Dec-05	EPA Method 8270	2-methylnaphthalene	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW12A	Y2943	Y2944	02-Dec-05	EPA Method 8270	2-methylphenol	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW12A	Y2943	Y2944	02-Dec-05	EPA Method 8270	2-nitroaniline	µg/L	20	U		20	20	U		20	NC	Agreement	Use reporting limit	--
EPAMW12A	Y2943	Y2944	02-Dec-05	EPA Method 8270	2-nitrophenol	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW12A	Y2943	Y2944	02-Dec-05	EPA Method 8270	3,3-dichlorobenzidine	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW12A	Y2943	Y2944	02-Dec-05	EPA Method 8270	3-nitroaniline	µg/L	20	U		20	20	U		20	NC	Agreement	Use reporting limit	--
EPAMW12A	Y2943	Y2944	02-Dec-05	EPA Method 8270	4,6-dinitro-2-methylphenol	µg/L	20	U		20	20	U		20	NC	Agreement	Use reporting limit	--
EPAMW12A	Y2943	Y2944	02-Dec-05	EPA Method 8270	4-bromophenyl-phenyl ether	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW12A	Y2943	Y2944	02-Dec-05	EPA Method 8270	4-chloro-3-methylphenol	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW12A	Y2943	Y2944	02-Dec-05	EPA Method 8270	4-chloroaniline	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW12A	Y2943	Y2944	02-Dec-05	EPA Method 8270	4-chlorophenyl-phenyl ether	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW12A	Y2943	Y2944	02-Dec-05	EPA Method 8270	4-methylphenol	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW12A	Y2943	Y2944	02-Dec-05	EPA Method 8270	4-nitroaniline	µg/L	20	U		20	20	U		20	NC	Agreement	Use reporting limit	--
EPAMW12A	Y2943	Y2944	02-Dec-05	EPA Method 8270	4-nitrophenol	µg/L	20	U		20	20	U		20	NC	Agreement	Use reporting limit	--
EPAMW12A	Y2943	Y2944	02-Dec-05	EPA Method 8270	acenaphthene	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW12A	Y2943	Y2944	02-Dec-05	EPA Method 8270	acenaphthylene	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW12A	Y2943	Y2944	02-Dec-05	EPA Method 8270	acetophenone	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW12A	Y2943	Y2944	02-Dec-05	EPA Method 8270	anthracene	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW12A	Y2943	Y2944	02-Dec-05	EPA Method 8270	atrazine	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW12A	Y2943	Y2944	02-Dec-05	EPA Method 8270	benzaldehyde	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW12A	Y2943	Y2944	02-Dec-05	EPA Method 8270	benzo(a)anthracene	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW12A	Y2943	Y2944	02-Dec-05	EPA Method 8270	benzo(a)pyrene	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW12A	Y2943	Y2944	02-Dec-05	EPA Method 8270	benzo(b)fluoranthene	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW12A	Y2943	Y2944	02-Dec-05	EPA Method 8270	benzo(g,h,i)perylene	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW12A	Y2943	Y2944	02-Dec-05	EPA Method 8270	benzo(k)fluoranthene	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW12A	Y2943	Y2944	02-Dec-05	EPA Method 8270	biphenyl	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW12A	Y2943	Y2944	02-Dec-05	EPA Method 8270	bis(2-chloroethoxy)methane	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW12A	Y2943	Y2944	02-Dec-05	EPA Method 8270	bis(2-chloroethyl)ether	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW12A	Y2943	Y2944	02-Dec-05	EPA Method 8270	bis(2-ethylhexyl)phthalate	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW12A	Y2943	Y2944	02-Dec-05	EPA Method 8270	butylbenzyl phthalate	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW12A	Y2943	Y2944	02-Dec-05	EPA Method 8270	caprolactam	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW12A	Y2943	Y2944	02-Dec-05	EPA Method 8270	chrysene	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--

Notes:

[1]Relative percent difference calculated using the equation %RPD = ((N-D)/(N+D))/2.

[2]Table C-3 provides EPA's criteria for comparing field duplicate sample results.

[3]The reporting criteria for field duplicates are designed to ensure that the most conservative data set in terms of protection of human health and the environment.

D = Field Duplicate
N = Primary Sample
mg/L = milligram(s) per liter
µg/L = microgram(s) per liter
ng/L = nanogram(s) per liter
NC = RPD not calculated
RPD = relative percent difference
-- = comparison to criterion not required due to data agreement.

Qualifiers
J = Estimated Value
LJ = Estimated Value, Result May be Biased Low
R = Rejected
U = Non-Detect
UJ = Non-Detect Estimated Value
UR = Rejected Non-Detect

Location	Parent Sample ID	Field Duplicate ID	Sample Date	Analysis Method	Parameter	Units	Parent Sample Results				Field Duplicate Results				RPD[1]	Conclusion[2]	Reporting Criteria[3]	Comparison to Evaluation Criterion in event of Disagreement or Major Disagreement
							Result	Q	DL	RL	Result	Q	DL	RL				
EPAMW12A	Y2943	Y2944	02-Dec-05	EPA Method 8270	dibenzo(a,h)anthracene	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW12A	Y2943	Y2944	02-Dec-05	EPA Method 8270	dibenzofuran	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW12A	Y2943	Y2944	02-Dec-05	EPA Method 8270	diethyl phthalate	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW12A	Y2943	Y2944	02-Dec-05	EPA Method 8270	dimethyl phthalate	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW12A	Y2943	Y2944	02-Dec-05	EPA Method 8270	di-n-butylphthalate	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW12A	Y2943	Y2944	02-Dec-05	EPA Method 8270	di-n-octyl phthalate	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW12A	Y2943	Y2944	02-Dec-05	EPA Method 8270	fluoranthene	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW12A	Y2943	Y2944	02-Dec-05	EPA Method 8270	fluorene	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW12A	Y2943	Y2944	02-Dec-05	EPA Method 8270	hexachlorobenzene	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW12A	Y2943	Y2944	02-Dec-05	EPA Method 8270	hexachlorobutadiene	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW12A	Y2943	Y2944	02-Dec-05	EPA Method 8270	hexachlorocyclopentadiene	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW12A	Y2943	Y2944	02-Dec-05	EPA Method 8270	hexachloroethane	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW12A	Y2943	Y2944	02-Dec-05	EPA Method 8270	indeno(1,2,3-c,d)pyrene	µg/L	5	UJ		5	5	UJ		5	NC	Agreement	Use reporting limit	--
EPAMW12A	Y2943	Y2944	02-Dec-05	EPA Method 8270	isophorone	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW12A	Y2943	Y2944	02-Dec-05	EPA Method 8270	naphthalene	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW12A	Y2943	Y2944	02-Dec-05	EPA Method 8270	nitrobenzene	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW12A	Y2943	Y2944	02-Dec-05	EPA Method 8270	n-nitrosodi-n-propylamine	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW12A	Y2943	Y2944	02-Dec-05	EPA Method 8270	n-nitrosodiphenylamine	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW12A	Y2943	Y2944	02-Dec-05	EPA Method 8270	pentachlorophenol	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW12A	Y2943	Y2944	02-Dec-05	EPA Method 8270	phenanthrene	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW12A	Y2943	Y2944	02-Dec-05	EPA Method 8270	phenol	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW12A	Y2943	Y2944	02-Dec-05	EPA Method 8270	pyrene	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW12A	Y2943	Y2944	02-Dec-05	Volatile Organics (CLP)	1,1,1-trichloroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW12A	Y2943	Y2944	02-Dec-05	Volatile Organics (CLP)	1,1,2,2-tetrachloroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW12A	Y2943	Y2944	02-Dec-05	Volatile Organics (CLP)	1,1,2-trichloro-1,2,2-trifluoroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW12A	Y2943	Y2944	02-Dec-05	Volatile Organics (CLP)	1,1,2-trichloroethane	µg/L	0.5	UJ		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW12A	Y2943	Y2944	02-Dec-05	Volatile Organics (CLP)	1,1-dichloroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW12A	Y2943	Y2944	02-Dec-05	Volatile Organics (CLP)	1,1-dichloroethene	µg/L	0.5	U		0.5	**0.91**			0.5	NC	Agreement	Use positive result	--
EPAMW12A	Y2943	Y2944	02-Dec-05	Volatile Organics (CLP)	1,2,3-trichlorobenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW12A	Y2943	Y2944	02-Dec-05	Volatile Organics (CLP)	1,2,4-trichlorobenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW12A	Y2943	Y2944	02-Dec-05	Volatile Organics (CLP)	1,2-dibromoethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW12A	Y2943	Y2944	02-Dec-05	Volatile Organics (CLP)	1,2-dichlorobenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW12A	Y2943	Y2944	02-Dec-05	Volatile Organics (CLP)	1,2-dichloroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW12A	Y2943	Y2944	02-Dec-05	Volatile Organics (CLP)	1,2-dichloropropane	µg/L	0.5	UJ		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW12A	Y2943	Y2944	02-Dec-05	Volatile Organics (CLP)	1,3-dichlorobenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW12A	Y2943	Y2944	02-Dec-05	Volatile Organics (CLP)	1,4-dichlorobenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW12A	Y2943	Y2944	02-Dec-05	Volatile Organics (CLP)	2-butanone	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW12A	Y2943	Y2944	02-Dec-05	Volatile Organics (CLP)	2-hexanone	µg/L	5	UJ		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW12A	Y2943	Y2944	02-Dec-05	Volatile Organics (CLP)	4-methyl-2-pentanone	µg/L	5	UJ		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW12A	Y2943	Y2944	02-Dec-05	Volatile Organics (CLP)	acetone	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW12A	Y2943	Y2944	02-Dec-05	Volatile Organics (CLP)	benzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--

Notes:

[1]Relative percent difference calculated using the equation %RPD = ((N-D)/(N+D))/2.

[2]Table C-3 provides EPA's criteria for comparing field duplicate sample results.

[3]The reporting criteria for field duplicates are designed to ensure that the most conservative data set in terms of protection of human health and the environment.

D = Field Duplicate
N = Primary Sample
mg/L = milligram(s) per liter
µg/L = microgram(s) per liter
ng/L = nanogram(s) per liter
NC = RPD not calculated
RPD = relative percent difference
-- = comparison to criterion not required due to data agreement.

Qualifiers
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LJ = Estimated Value, Result May be Biased Low
R = Rejected
U = Non-Detect
UJ = Non-Detect Estimated Value
UR = Rejected Non-Detect

TABLE C-4
Field Duplicate Evaluation
Remedial Investigation
San Gabriel Valley Area 3 Superfund Site

Location	Parent Sample ID	Field Duplicate ID	Sample Date	Analysis Method	Parameter	Units	Parent Sample Results				Field Duplicate Results				RPD[1]	Conclusion[2]	Reporting Criteria[3]	Comparison to Evaluation Criterion in event of Disagreement or Major Disagreement
							Result	Q	DL	RL	Result	Q	DL	RL				
EPAMW12A	Y2943	Y2944	02-Dec-05	Volatile Organics (CLP)	bromochloromethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW12A	Y2943	Y2944	02-Dec-05	Volatile Organics (CLP)	bromodichloromethane	µg/L	0.5	UJ		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW12A	Y2943	Y2944	02-Dec-05	Volatile Organics (CLP)	bromoform	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW12A	Y2943	Y2944	02-Dec-05	Volatile Organics (CLP)	bromomethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW12A	Y2943	Y2944	02-Dec-05	Volatile Organics (CLP)	carbon disulfide	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW12A	Y2943	Y2944	02-Dec-05	Volatile Organics (CLP)	carbon tetrachloride	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW12A	Y2943	Y2944	02-Dec-05	Volatile Organics (CLP)	chlorobenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW12A	Y2943	Y2944	02-Dec-05	Volatile Organics (CLP)	chloroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW12A	Y2943	Y2944	02-Dec-05	Volatile Organics (CLP)	chloroform	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW12A	Y2943	Y2944	02-Dec-05	Volatile Organics (CLP)	chloromethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW12A	Y2943	Y2944	02-Dec-05	Volatile Organics (CLP)	cis-1,2-dichloroethene	µg/L	**10**			0.5	**10**			0.5	**0.0%**	Agreement	Use detected concentration	--
EPAMW12A	Y2943	Y2944	02-Dec-05	Volatile Organics (CLP)	cis-1,3-dichloropropene	µg/L	0.5	UJ		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW12A	Y2943	Y2944	02-Dec-05	Volatile Organics (CLP)	cyclohexane	µg/L	0.5	UJ		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW12A	Y2943	Y2944	02-Dec-05	Volatile Organics (CLP)	dibromochloromethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW12A	Y2943	Y2944	02-Dec-05	Volatile Organics (CLP)	dibromochloropropane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW12A	Y2943	Y2944	02-Dec-05	Volatile Organics (CLP)	dichlorodifluoromethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW12A	Y2943	Y2944	02-Dec-05	Volatile Organics (CLP)	ethylbenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW12A	Y2943	Y2944	02-Dec-05	Volatile Organics (CLP)	isopropylbenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW12A	Y2943	Y2944	02-Dec-05	Volatile Organics (CLP)	methyl ester acetic acid	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW12A	Y2943	Y2944	02-Dec-05	Volatile Organics (CLP)	methyl tert-butyl ether	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW12A	Y2943	Y2944	02-Dec-05	Volatile Organics (CLP)	methylcyclohexane	µg/L	0.5	UJ		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW12A	Y2943	Y2944	02-Dec-05	Volatile Organics (CLP)	methylene chloride	µg/L	0.5	UJ		0.5	**1**			0.5	NC	Agreement	Use positive result	--
EPAMW12A	Y2943	Y2944	02-Dec-05	Volatile Organics (CLP)	styrene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW12A	Y2943	Y2944	02-Dec-05	Volatile Organics (CLP)	tert-butyl alcohol	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW12A	Y2943	Y2944	02-Dec-05	Volatile Organics (CLP)	tetrachloroethene	µg/L	**2.6**			0.5	**2**			0.5	**26.1%**	Agreement	Use higher concentration	--
EPAMW12A	Y2943	Y2944	02-Dec-05	Volatile Organics (CLP)	toluene	µg/L	**0.55**			0.5	**0.17**	**J**		0.5	**105.6%**	Major Disagreement	Use higher concentration	Both concentrations do not exceed MCL
EPAMW12A	Y2943	Y2944	02-Dec-05	Volatile Organics (CLP)	total xylenes	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW12A	Y2943	Y2944	02-Dec-05	Volatile Organics (CLP)	trans-1,2-dichloroethene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW12A	Y2943	Y2944	02-Dec-05	Volatile Organics (CLP)	trans-1,3-dichloropropene	µg/L	0.5	UJ		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW12A	Y2943	Y2944	02-Dec-05	Volatile Organics (CLP)	trichloroethene	µg/L	**56**			56	**51**			51	**9.3%**	Agreement	Use higher concentration	--
EPAMW12A	Y2943	Y2944	02-Dec-05	Volatile Organics (CLP)	trichlorofluoromethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW12A	Y2943	Y2944	02-Dec-05	Volatile Organics (CLP)	vinyl chloride	µg/L	0.5	UJ		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW12A	MY2943	MY2944	02-Dec-05	EPA Method 314.0	perchlorate	µg/L	**2.7**		1	2	**2.6**		1	2	**3.8%**	Agreement	Use higher concentration	--
EPAMW12A	MY2943	MY2944	02-Dec-05	EPA Method 300.0	nitrate (as n)	mg/L	**1**		0.05	0.1	**1.2**		0.05	0.1	**18.2%**	Agreement	Use higher concentration	--
EPAMW12A	MY2943	MY2944	02-Dec-05	Dissolved Metal (CLP)	aluminum	µg/L	200	U	14.8	200	22.3	UJ	14.8	200	NC	Agreement	Use reporting limit	--
EPAMW12A	MY2943	MY2944	02-Dec-05	Dissolved Metal (CLP)	antimony	µg/L	0.07	UJ	0.045	2	0.06	UJ	0.045	2	NC	Agreement	Use reporting limit	--
EPAMW12A	MY2943	MY2944	02-Dec-05	Dissolved Metal (CLP)	arsenic	µg/L	**0.84**	**J**	0.041	1	**0.87**	**J**	0.041	1	**3.5%**	Agreement	Use higher concentration	--
EPAMW12A	MY2943	MY2944	02-Dec-05	Dissolved Metal (CLP)	barium	µg/L	**104**		0.92	10	**105**		0.92	10	**1.0%**	Agreement	Use higher concentration	--
EPAMW12A	MY2943	MY2944	02-Dec-05	Dissolved Metal (CLP)	beryllium	µg/L	1	U	0.058	1	1	U	0.058	1	NC	Agreement	Use reporting limit	--
EPAMW12A	MY2943	MY2944	02-Dec-05	Dissolved Metal (CLP)	cadmium	µg/L	1	U	0.051	1	1	U	0.051	1	NC	Agreement	Use reporting limit	--
EPAMW12A	MY2943	MY2944	02-Dec-05	Dissolved Metal (CLP)	calcium	µg/L	**73000**		43.6	5000	**71300**		43.6	5000	**2.4%**	Agreement	Use higher concentration	--

Notes:
[1]Relative percent difference calculated using the equation %RPD = ((N-D)/(N+D))/2.
[2]Table C-3 provides EPA's criteria for comparing field duplicate sample results.
[3]The reporting criteria for field duplicates are designed to ensure that the most conservative data set in terms of protection of human health and the environment.

D = Field Duplicate
N = Primary Sample
mg/L = milligram(s) per liter
µg/L = microgram(s) per liter
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NC = RPD not calculated
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Qualifiers
J = Estimated Value
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TABLE C-4
Field Duplicate Evaluation
Remedial Investigation
San Gabriel Valley Area 3 Superfund Site

Location	Parent Sample ID	Field Duplicate ID	Sample Date	Analysis Method	Parameter	Units	Parent Sample Results				Field Duplicate Results				RPD[1]	Conclusion[2]	Reporting Criteria[3]	Comparison to Evaluation Criterion in event of Disagreement or Major Disagreement
							Result	Q	DL	RL	Result	Q	DL	RL				
EPAMW12A	MY2943	MY2944	02-Dec-05	Dissolved Metal (CLP)	chromium (total)	µg/L	**0.08**	**J**	0.058	2	**0.09**	**J**	0.058	2	**11.8%**	Agreement	Use higher concentration	--
EPAMW12A	MY2943	MY2944	02-Dec-05	Dissolved Metal (CLP)	cobalt	µg/L	**0.13**	**J**	0.045	1	**0.13**	**J**	0.045	1	**0.0%**	Agreement	Use detected concentration	--
EPAMW12A	MY2943	MY2944	02-Dec-05	Dissolved Metal (CLP)	copper	µg/L	**1.3**	**J**	0.37	2	**1.8**	**J**	0.37	2	**32.3%**	Disagreement	Use higher concentration	Both concentrations do not exceed MCL
EPAMW12A	MY2943	MY2944	02-Dec-05	Dissolved Metal (CLP)	iron	µg/L	100	U	49.8	100	100	U	49.8	100	NC	Agreement	Use reporting limit	--
EPAMW12A	MY2943	MY2944	02-Dec-05	Dissolved Metal (CLP)	lead	µg/L	1	U	0.22	1	1	U	0.22	1	NC	Agreement	Use reporting limit	--
EPAMW12A	MY2943	MY2944	02-Dec-05	Dissolved Metal (CLP)	magnesium	µg/L	**33400**		8.8	5000	**32600**		8.8	5000	**2.4%**	Agreement	Use higher concentration	--
EPAMW12A	MY2943	MY2944	02-Dec-05	Dissolved Metal (CLP)	manganese	µg/L	**28.1**		0.33	1	**28**		0.33	1	**0.4%**	Agreement	Use higher concentration	--
EPAMW12A	MY2943	MY2944	02-Dec-05	Dissolved Metal (CLP)	mercury	µg/L	0.2	U	0.04	0.2	0.2	U	0.04	0.2	NC	Agreement	Use reporting limit	--
EPAMW12A	MY2943	MY2944	02-Dec-05	Dissolved Metal (CLP)	molybdenum	µg/L	**15**		0.05	1	**15.1**		0.05	1	**0.7%**	Agreement	Use higher concentration	--
EPAMW12A	MY2943	MY2944	02-Dec-05	Dissolved Metal (CLP)	nickel	µg/L	**0.75**	**J**	0.18	1	**0.8**	**J**	0.18	1	**6.5%**	Agreement	Use higher concentration	--
EPAMW12A	MY2943	MY2944	02-Dec-05	Dissolved Metal (CLP)	potassium	µg/L	**3120**	**J**	38.7	5000	**3090**	**J**	38.7	5000	**1.0%**	Agreement	Use higher concentration	--
EPAMW12A	MY2943	MY2944	02-Dec-05	Dissolved Metal (CLP)	selenium	µg/L	**0.74**	**J**	0.14	5	**0.61**	**J**	0.14	5	**19.3%**	Agreement	Use higher concentration	--
EPAMW12A	MY2943	MY2944	02-Dec-05	Dissolved Metal (CLP)	silver	µg/L	1	U	0.037	1	1	U	0.037	1	NC	Agreement	Use reporting limit	--
EPAMW12A	MY2943	MY2944	02-Dec-05	Dissolved Metal (CLP)	sodium	µg/L	**82000**		709	5000	**80500**		709	5000	**1.8%**	Agreement	Use higher concentration	--
EPAMW12A	MY2943	MY2944	02-Dec-05	Dissolved Metal (CLP)	thallium	µg/L	1	U	0.036	1	1	U	0.036	1	NC	Agreement	Use reporting limit	--
EPAMW12A	MY2943	MY2944	02-Dec-05	Dissolved Metal (CLP)	vanadium	µg/L	**4.7**		0.026	1	**4.8**		0.026	1	**2.1%**	Agreement	Use higher concentration	--
EPAMW12A	MY2943	MY2944	02-Dec-05	Dissolved Metal (CLP)	zinc	µg/L	**2.9**	**J**	0.71	2	**4.2**	**J**	0.71	2	**36.6%**	Disagreement	Use higher concentration	Both concentrations do not exceed MCL
EPAMW13	Y1JC0	Y1JC1	11-Nov-04	Volatile Organics (CLP)	1,1,1-trichloroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW13	Y1JC0	Y1JC1	11-Nov-04	Volatile Organics (CLP)	1,1,2,2-tetrachloroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW13	Y1JC0	Y1JC1	11-Nov-04	Volatile Organics (CLP)	1,1,2-trichloro-1,2,2-trifluoroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW13	Y1JC0	Y1JC1	11-Nov-04	Volatile Organics (CLP)	1,1,2-trichloroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW13	Y1JC0	Y1JC1	11-Nov-04	Volatile Organics (CLP)	1,1-dichloroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW13	Y1JC0	Y1JC1	11-Nov-04	Volatile Organics (CLP)	1,1-dichloroethene	µg/L	**0.27**	**J**		0.5	0.5	U		0.5	NC	Agreement	Use positive result	--
EPAMW13	Y1JC0	Y1JC1	11-Nov-04	Volatile Organics (CLP)	1,2,3-trichlorobenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW13	Y1JC0	Y1JC1	11-Nov-04	Volatile Organics (CLP)	1,2,4-trichlorobenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW13	Y1JC0	Y1JC1	11-Nov-04	Volatile Organics (CLP)	1,2-dibromoethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW13	Y1JC0	Y1JC1	11-Nov-04	Volatile Organics (CLP)	1,2-dichlorobenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW13	Y1JC0	Y1JC1	11-Nov-04	Volatile Organics (CLP)	1,2-dichloroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW13	Y1JC0	Y1JC1	11-Nov-04	Volatile Organics (CLP)	1,2-dichloropropane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW13	Y1JC0	Y1JC1	11-Nov-04	Volatile Organics (CLP)	1,3-dichlorobenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW13	Y1JC0	Y1JC1	11-Nov-04	Volatile Organics (CLP)	1,4-dichlorobenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW13	Y1JC0	Y1JC1	11-Nov-04	Volatile Organics (CLP)	2-butanone	µg/L	**3.8**	**J**		5	**6.5**	**J**		5	**52.4%**	Disagreement	Use higher concentration	Evaluation criterion not established
EPAMW13	Y1JC0	Y1JC1	11-Nov-04	Volatile Organics (CLP)	2-hexanone	µg/L	5	UJ		5	5	UJ		5	NC	Agreement	Use reporting limit	--
EPAMW13	Y1JC0	Y1JC1	11-Nov-04	Volatile Organics (CLP)	4-methyl-2-pentanone	µg/L	5	UJ		5	5	UJ		5	NC	Agreement	Use reporting limit	--
EPAMW13	Y1JC0	Y1JC1	11-Nov-04	Volatile Organics (CLP)	acetone	µg/L	**3.8**	**J**		5	**3**	**J**		5	**23.5%**	Agreement	Use higher concentration	--
EPAMW13	Y1JC0	Y1JC1	11-Nov-04	Volatile Organics (CLP)	benzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW13	Y1JC0	Y1JC1	11-Nov-04	Volatile Organics (CLP)	bromochloromethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW13	Y1JC0	Y1JC1	11-Nov-04	Volatile Organics (CLP)	bromodichloromethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW13	Y1JC0	Y1JC1	11-Nov-04	Volatile Organics (CLP)	bromoform	µg/L	**0.56**			0.5	**0.65**			0.5	**14.9%**	Agreement	Use higher concentration	--
EPAMW13	Y1JC0	Y1JC1	11-Nov-04	Volatile Organics (CLP)	bromomethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW13	Y1JC0	Y1JC1	11-Nov-04	Volatile Organics (CLP)	carbon disulfide	µg/L	0.5	UJ		0.5	0.5	UJ		0.5	NC	Agreement	Use reporting limit	--

Notes:
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Location	Parent Sample ID	Field Duplicate ID	Sample Date	Analysis Method	Parameter	Units	Parent Sample Results				Field Duplicate Results				RPD[1]	Conclusion[2]	Reporting Criteria[3]	Comparison to Evaluation Criterion in event of Disagreement or Major Disagreement
							Result	Q	DL	RL	Result	Q	DL	RL				
EPAMW13	Y1JC0	Y1JC1	11-Nov-04	Volatile Organics (CLP)	carbon tetrachloride	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW13	Y1JC0	Y1JC1	11-Nov-04	Volatile Organics (CLP)	chlorobenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW13	Y1JC0	Y1JC1	11-Nov-04	Volatile Organics (CLP)	chloroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW13	Y1JC0	Y1JC1	11-Nov-04	Volatile Organics (CLP)	chloroform	µg/L	**0.59**	**J**		0.5	**0.59**			0.5	**0.0%**	Agreement	Use detected concentration	--
EPAMW13	Y1JC0	Y1JC1	11-Nov-04	Volatile Organics (CLP)	chloromethane	µg/L	**0.12**	**J**		0.5	0.5	U		0.5	NC	Agreement	Use positive result	--
EPAMW13	Y1JC0	Y1JC1	11-Nov-04	Volatile Organics (CLP)	cis-1,2-dichloroethene	µg/L	**1.3**			0.5	**1.2**			0.5	**8.0%**	Agreement	Use higher concentration	--
EPAMW13	Y1JC0	Y1JC1	11-Nov-04	Volatile Organics (CLP)	cis-1,3-dichloropropene	µg/L	0.5	UJ		0.5	0.5	UJ		0.5	NC	Agreement	Use reporting limit	--
EPAMW13	Y1JC0	Y1JC1	11-Nov-04	Volatile Organics (CLP)	cyclohexane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW13	Y1JC0	Y1JC1	11-Nov-04	Volatile Organics (CLP)	dibromochloromethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW13	Y1JC0	Y1JC1	11-Nov-04	Volatile Organics (CLP)	dibromochloropropane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW13	Y1JC0	Y1JC1	11-Nov-04	Volatile Organics (CLP)	dichlorodifluoromethane	µg/L	**0.12**	**J**		0.5	**0.11**	**J**		0.5	**8.7%**	Agreement	Use higher concentration	--
EPAMW13	Y1JC0	Y1JC1	11-Nov-04	Volatile Organics (CLP)	ethylbenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW13	Y1JC0	Y1JC1	11-Nov-04	Volatile Organics (CLP)	isopropylbenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW13	Y1JC0	Y1JC1	11-Nov-04	Volatile Organics (CLP)	methyl ester acetic acid	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW13	Y1JC0	Y1JC1	11-Nov-04	Volatile Organics (CLP)	methyl tert-butyl ether	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW13	Y1JC0	Y1JC1	11-Nov-04	Volatile Organics (CLP)	methylcyclohexane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW13	Y1JC0	Y1JC1	11-Nov-04	Volatile Organics (CLP)	methylene chloride	µg/L	**0.15**	**J**		0.5	**0.16**	**J**		0.5	**6.5%**	Agreement	Use higher concentration	--
EPAMW13	Y1JC0	Y1JC1	11-Nov-04	Volatile Organics (CLP)	styrene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW13	Y1JC0	Y1JC1	11-Nov-04	Volatile Organics (CLP)	tert-butyl alcohol	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW13	Y1JC0	Y1JC1	11-Nov-04	Volatile Organics (CLP)	tetrachloroethene	µg/L	**0.13**	**J**		0.5	**0.14**	**J**		0.5	**7.4%**	Agreement	Use higher concentration	--
EPAMW13	Y1JC0	Y1JC1	11-Nov-04	Volatile Organics (CLP)	toluene	µg/L	**0.12**	**J**		0.5	**0.11**	**J**		0.5	**8.7%**	Agreement	Use higher concentration	--
EPAMW13	Y1JC0	Y1JC1	11-Nov-04	Volatile Organics (CLP)	total xylenes	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW13	Y1JC0	Y1JC1	11-Nov-04	Volatile Organics (CLP)	trans-1,2-dichloroethene	µg/L	0.5	UJ		0.5	0.5	UJ		0.5	NC	Agreement	Use reporting limit	--
EPAMW13	Y1JC0	Y1JC1	11-Nov-04	Volatile Organics (CLP)	trans-1,3-dichloropropene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW13	Y1JC0	Y1JC1	11-Nov-04	Volatile Organics (CLP)	trichloroethene	µg/L	**17**			0.5	**18**			0.5	**5.7%**	Agreement	Use higher concentration	--
EPAMW13	Y1JC0	Y1JC1	11-Nov-04	Volatile Organics (CLP)	trichlorofluoromethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW13	Y1JC0	Y1JC1	11-Nov-04	Volatile Organics (CLP)	vinyl chloride	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW13	Y2HM8	Y2HM9	25-May-06	EPA (SM) Method 2320	bicarbonate alkalinity (as caco3)	mg/L	**110**		5	10	**110**		5	10	**0.0%**	Agreement	Use detected concentration	--
EPAMW13	Y2HM8	Y2HM9	25-May-06	EPA (SM) Method 2320	carbonate alkalinity (as caco3)	mg/L	**14**		5	10	**12**		5	10	**15.4%**	Agreement	Use higher concentration	--
EPAMW13	Y2HM8	Y2HM9	25-May-06	EPA (SM) Method 2320	hydroxide alkalinity (as caco3)	mg/L	10	U	5	10	10	U	5	10	NC	Agreement	Use reporting limit	--
EPAMW13	Y2HM8	Y2HM9	25-May-06	EPA (SM) Method 2320	total alkalinity (as caco3)	mg/L	**120**		5	10	**120**		5	10	**0.0%**	Agreement	Use detected concentration	--
EPAMW13	Y2HM8	Y2HM9	25-May-06	EPA Method 300.0	chloride	mg/L	**21**		0.5	1	**22**		0.5	1	**4.7%**	Agreement	Use higher concentration	--
EPAMW13	Y2HM8	Y2HM9	25-May-06	EPA Method 300.0	fluoride	mg/L	**0.36**		0.05	0.1	**0.44**		0.05	0.1	**20.0%**	Agreement	Use higher concentration	--
EPAMW13	Y2HM8	Y2HM9	25-May-06	EPA Method 300.0	sulfate	mg/L	**20**		0.25	0.5	**20**		0.25	0.5	**0.0%**	Agreement	Use detected concentration	--
EPAMW13	Y2TC5	Y2TC6	22-Aug-06	EPA (SM) Method 2320	bicarbonate alkalinity (as caco3)	mg/L	**170**		5	10	**180**		5	10	**5.7%**	Agreement	Use higher concentration	--
EPAMW13	Y2TC5	Y2TC6	22-Aug-06	EPA (SM) Method 2320	carbonate alkalinity (as caco3)	mg/L	10	U	5	10	10	U	5	10	NC	Agreement	Use reporting limit	--
EPAMW13	Y2TC5	Y2TC6	22-Aug-06	EPA (SM) Method 2320	hydroxide alkalinity (as caco3)	mg/L	10	U	5	10	10	U	5	10	NC	Agreement	Use reporting limit	--
EPAMW13	Y2TC5	Y2TC6	22-Aug-06	EPA (SM) Method 2320	total alkalinity (as caco3)	mg/L	**170**		5	10	**180**		5	10	**5.7%**	Agreement	Use higher concentration	--
EPAMW13	Y2TC5	Y2TC6	22-Aug-06	EPA Method 300.0	chloride	mg/L	**39**		0.5	1	**39**		0.5	1	**0.0%**	Agreement	Use detected concentration	--
EPAMW13	Y2TC5	Y2TC6	22-Aug-06	EPA Method 300.0	fluoride	mg/L	**0.35**		0.05	0.1	**0.39**		0.05	0.1	**10.8%**	Agreement	Use higher concentration	--
EPAMW13	Y2TC5	Y2TC6	22-Aug-06	EPA Method 300.0	sulfate	mg/L	**30**		0.25	0.5	**31**		0.25	0.5	**3.3%**	Agreement	Use higher concentration	--

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Location	Parent Sample ID	Field Duplicate ID	Sample Date	Analysis Method	Parameter	Units	Parent Sample Results				Field Duplicate Results				RPD[1]	Conclusion[2]	Reporting Criteria[3]	Comparison to Evaluation Criterion in event of Disagreement or Major Disagreement
							Result	Q	DL	RL	Result	Q	DL	RL				
EPAMW13	Y2TC5	Y2TC6	22-Aug-06	Dissolved Metal (CLP)	calcium	µg/L	**55800**		24.1	5000	**58400**		24.1	5000	**4.6%**	Agreement	Use higher concentration	--
EPAMW13	Y2TC5	Y2TC6	22-Aug-06	Dissolved Metal (CLP)	magnesium	µg/L	**19500**		27.1	5000	**20300**		27.1	5000	**4.0%**	Agreement	Use higher concentration	--
EPAMW13	Y2TC5	Y2TC6	22-Aug-06	Dissolved Metal (CLP)	manganese	µg/L	15	U	0.26	15	15	U	0.26	15	NC	Agreement	Use reporting limit	--
EPAMW13	Y2TC5	Y2TC6	22-Aug-06	Dissolved Metal (CLP)	potassium	µg/L	**2060**	**J**	19.3	5000	**2170**	**J**	19.3	5000	**5.2%**	Agreement	Use higher concentration	--
EPAMW13	Y2TC5	Y2TC6	22-Aug-06	Dissolved Metal (CLP)	sodium	µg/L	**27100**		253	5000	**28300**		253	5000	**4.3%**	Agreement	Use higher concentration	--
EPAMW13	Y30C6	Y30C7	16-Nov-06	EPA Method 314.0	perchlorate	µg/L	**1**	**J**	1	2	**1**	**J**	1	2	**0.0%**	Agreement	Use detected concentration	--
EPAMW13	Y30C6	Y30C7	16-Nov-06	Volatile Organics (CLP)	1,1,1-trichloroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW13	Y30C6	Y30C7	16-Nov-06	Volatile Organics (CLP)	1,1,2,2-tetrachloroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW13	Y30C6	Y30C7	16-Nov-06	Volatile Organics (CLP)	1,1,2-trichloro-1,2,2-trifluoroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW13	Y30C6	Y30C7	16-Nov-06	Volatile Organics (CLP)	1,1,2-trichloroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW13	Y30C6	Y30C7	16-Nov-06	Volatile Organics (CLP)	1,1-dichloroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW13	Y30C6	Y30C7	16-Nov-06	Volatile Organics (CLP)	1,1-dichloroethene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW13	Y30C6	Y30C7	16-Nov-06	Volatile Organics (CLP)	1,2,3-trichlorobenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW13	Y30C6	Y30C7	16-Nov-06	Volatile Organics (CLP)	1,2,4-trichlorobenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW13	Y30C6	Y30C7	16-Nov-06	Volatile Organics (CLP)	1,2-dibromoethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW13	Y30C6	Y30C7	16-Nov-06	Volatile Organics (CLP)	1,2-dichlorobenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW13	Y30C6	Y30C7	16-Nov-06	Volatile Organics (CLP)	1,2-dichloroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW13	Y30C6	Y30C7	16-Nov-06	Volatile Organics (CLP)	1,2-dichloropropane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW13	Y30C6	Y30C7	16-Nov-06	Volatile Organics (CLP)	1,3-dichlorobenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW13	Y30C6	Y30C7	16-Nov-06	Volatile Organics (CLP)	1,4-dichlorobenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW13	Y30C6	Y30C7	16-Nov-06	Volatile Organics (CLP)	1,4-dioxane	µg/L	20	U		20	20	U		20	NC	Agreement	Use reporting limit	--
EPAMW13	Y30C6	Y30C7	16-Nov-06	Volatile Organics (CLP)	2-butanone	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW13	Y30C6	Y30C7	16-Nov-06	Volatile Organics (CLP)	2-hexanone	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW13	Y30C6	Y30C7	16-Nov-06	Volatile Organics (CLP)	4-methyl-2-pentanone	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW13	Y30C6	Y30C7	16-Nov-06	Volatile Organics (CLP)	acetone	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW13	Y30C6	Y30C7	16-Nov-06	Volatile Organics (CLP)	benzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW13	Y30C6	Y30C7	16-Nov-06	Volatile Organics (CLP)	bromochloromethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW13	Y30C6	Y30C7	16-Nov-06	Volatile Organics (CLP)	bromodichloromethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW13	Y30C6	Y30C7	16-Nov-06	Volatile Organics (CLP)	bromoform	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW13	Y30C6	Y30C7	16-Nov-06	Volatile Organics (CLP)	bromomethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW13	Y30C6	Y30C7	16-Nov-06	Volatile Organics (CLP)	carbon disulfide	µg/L	**0.073**	**J**		0.5	**0.079**	**J**		0.5	**7.9%**	Agreement	Use higher concentration	--
EPAMW13	Y30C6	Y30C7	16-Nov-06	Volatile Organics (CLP)	carbon tetrachloride	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW13	Y30C6	Y30C7	16-Nov-06	Volatile Organics (CLP)	chlorobenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW13	Y30C6	Y30C7	16-Nov-06	Volatile Organics (CLP)	chloroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW13	Y30C6	Y30C7	16-Nov-06	Volatile Organics (CLP)	chloroform	µg/L	**0.36**	**J**		0.5	**0.3**	**J**		0.5	**18.2%**	Agreement	Use higher concentration	--
EPAMW13	Y30C6	Y30C7	16-Nov-06	Volatile Organics (CLP)	chloromethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW13	Y30C6	Y30C7	16-Nov-06	Volatile Organics (CLP)	cis-1,2-dichloroethene	µg/L	**3.4**			0.5	**3**			0.5	**12.5%**	Agreement	Use higher concentration	--
EPAMW13	Y30C6	Y30C7	16-Nov-06	Volatile Organics (CLP)	cis-1,3-dichloropropene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW13	Y30C6	Y30C7	16-Nov-06	Volatile Organics (CLP)	cyclohexane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW13	Y30C6	Y30C7	16-Nov-06	Volatile Organics (CLP)	dibromochloromethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW13	Y30C6	Y30C7	16-Nov-06	Volatile Organics (CLP)	dibromochloropropane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--

Notes:
[1]Relative percent difference calculated using the equation %RPD = ((N-D)/(N+D))/2.
[2]Table C-3 provides EPA's criteria for comparing field duplicate sample results.
[3]The reporting criteria for field duplicates are designed to ensure that the most conservative data set in terms of protection of human health and the environment.

D = Field Duplicate
N = Primary Sample
mg/L = milligram(s) per liter
µg/L = microgram(s) per liter
ng/L = nanogram(s) per liter
NC = RPD not calculated
RPD = relative percent difference
-- = comparison to criterion not required due to data agreement.

Qualifiers
J = Estimated Value
LJ = Estimated Value, Result May be Biased Low
R = Rejected
U = Non-Detect
UJ = Non-Detect Estimated Value
UR = Rejected Non-Detect

TABLE C-4
Field Duplicate Evaluation
Remedial Investigation
San Gabriel Valley Area 3 Superfund Site

Location	Parent Sample ID	Field Duplicate ID	Sample Date	Analysis Method	Parameter	Units	Parent Sample Results				Field Duplicate Results				RPD[1]	Conclusion[2]	Reporting Criteria[3]	Comparison to Evaluation Criterion in event of Disagreement or Major Disagreement
							Result	Q	DL	RL	Result	Q	DL	RL				
EPAMW13	Y30C6	Y30C7	16-Nov-06	Volatile Organics (CLP)	dichlorodifluoromethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW13	Y30C6	Y30C7	16-Nov-06	Volatile Organics (CLP)	ethylbenzene	µg/L	**0.0078**	**J**		0.5	**0.0053**	**J**		0.5	**38.2%**	Disagreement	Use higher concentration	Both concentrations do not exceed MCL
EPAMW13	Y30C6	Y30C7	16-Nov-06	Volatile Organics (CLP)	isopropylbenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW13	Y30C6	Y30C7	16-Nov-06	Volatile Organics (CLP)	m,p-xylene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW13	Y30C6	Y30C7	16-Nov-06	Volatile Organics (CLP)	methyl ester acetic acid	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW13	Y30C6	Y30C7	16-Nov-06	Volatile Organics (CLP)	methyl tert-butyl ether	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW13	Y30C6	Y30C7	16-Nov-06	Volatile Organics (CLP)	methylcyclohexane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW13	Y30C6	Y30C7	16-Nov-06	Volatile Organics (CLP)	methylene chloride	µg/L	**1.2**			0.5	**1.2**			0.5	**0.0%**	Agreement	Use detected concentration	--
EPAMW13	Y30C6	Y30C7	16-Nov-06	Volatile Organics (CLP)	o-xylene	µg/L	0.5	U		0.5	**0.0069**	**J**		0.5	NC	Agreement	Use positive result	--
EPAMW13	Y30C6	Y30C7	16-Nov-06	Volatile Organics (CLP)	styrene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW13	Y30C6	Y30C7	16-Nov-06	Volatile Organics (CLP)	tert-butyl alcohol	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW13	Y30C6	Y30C7	16-Nov-06	Volatile Organics (CLP)	tetrachloroethene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW13	Y30C6	Y30C7	16-Nov-06	Volatile Organics (CLP)	toluene	µg/L	**0.029**	**J**		0.5	**0.037**	**J**		0.5	**24.2%**	Agreement	Use higher concentration	--
EPAMW13	Y30C6	Y30C7	16-Nov-06	Volatile Organics (CLP)	trans-1,2-dichloroethene	µg/L	0.5	U		0.5	**0.03**	**J**		0.5	NC	Agreement	Use positive result	--
EPAMW13	Y30C6	Y30C7	16-Nov-06	Volatile Organics (CLP)	trans-1,3-dichloropropene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW13	Y30C6	Y30C7	16-Nov-06	Volatile Organics (CLP)	trichloroethene	µg/L	**4.1**			0.5	**3.5**			0.5	**15.8%**	Agreement	Use higher concentration	--
EPAMW13	Y30C6	Y30C7	16-Nov-06	Volatile Organics (CLP)	trichlorofluoromethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW13	Y30C6	Y30C7	16-Nov-06	Volatile Organics (CLP)	vinyl chloride	µg/L	**0.021**	**J**		0.5	0.5	U		0.5	NC	Agreement	Use positive result	--
EPAMW13	Y2HM8	Y2HM9	25-May-06	Dissolved Metal (CLP)	aluminum	µg/L	31.2	UJ	30.7	200	200	U	30.7	200	NC	Agreement	Use reporting limit	--
EPAMW13	Y2HM8	Y2HM9	25-May-06	Dissolved Metal (CLP)	boron	µg/L	**54.5**		0.72	100	**54.9**		0.72	100	**0.7%**	Agreement	Use higher concentration	--
EPAMW13	Y2HM8	Y2HM9	25-May-06	Dissolved Metal (CLP)	calcium	µg/L	**13200**		195	5000	**13400**		195	5000	**1.5%**	Agreement	Use higher concentration	--
EPAMW13	Y2HM8	Y2HM9	25-May-06	Dissolved Metal (CLP)	iron	µg/L	100	U	20.5	100	100	U	20.5	100	NC	Agreement	Use reporting limit	--
EPAMW13	Y2HM8	Y2HM9	25-May-06	Dissolved Metal (CLP)	magnesium	µg/L	**14900**		41.7	5000	**15100**		41.7	5000	**1.3%**	Agreement	Use higher concentration	--
EPAMW13	Y2HM8	Y2HM9	25-May-06	Dissolved Metal (CLP)	potassium	µg/L	**2950**	**J**	11.3	5000	**3040**	**J**	11.3	5000	**3.0%**	Agreement	Use higher concentration	--
EPAMW13	Y2HM8	Y2HM9	25-May-06	Dissolved Metal (CLP)	sodium	µg/L	**31900**		121	5000	**32600**		121	5000	**2.2%**	Agreement	Use higher concentration	--
EPAMW13	Y2HM8	Y2HM9	25-May-06	Volatile Organics (CLP)	1,1,1-trichloroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW13	Y2HM8	Y2HM9	25-May-06	Volatile Organics (CLP)	1,1,2,2-tetrachloroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW13	Y2HM8	Y2HM9	25-May-06	Volatile Organics (CLP)	1,1,2-trichloro-1,2,2-trifluoroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW13	Y2HM8	Y2HM9	25-May-06	Volatile Organics (CLP)	1,1,2-trichloroethane	µg/L	0.5	U		0.5	0.5	UJ		0.5	NC	Agreement	Use reporting limit	--
EPAMW13	Y2HM8	Y2HM9	25-May-06	Volatile Organics (CLP)	1,1-dichloroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW13	Y2HM8	Y2HM9	25-May-06	Volatile Organics (CLP)	1,1-dichloroethene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW13	Y2HM8	Y2HM9	25-May-06	Volatile Organics (CLP)	1,2,3-trichlorobenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW13	Y2HM8	Y2HM9	25-May-06	Volatile Organics (CLP)	1,2,4-trichlorobenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW13	Y2HM8	Y2HM9	25-May-06	Volatile Organics (CLP)	1,2-dibromoethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW13	Y2HM8	Y2HM9	25-May-06	Volatile Organics (CLP)	1,2-dichlorobenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW13	Y2HM8	Y2HM9	25-May-06	Volatile Organics (CLP)	1,2-dichloroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW13	Y2HM8	Y2HM9	25-May-06	Volatile Organics (CLP)	1,2-dichloropropane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW13	Y2HM8	Y2HM9	25-May-06	Volatile Organics (CLP)	1,3-dichlorobenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW13	Y2HM8	Y2HM9	25-May-06	Volatile Organics (CLP)	1,4-dichlorobenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW13	Y2HM8	Y2HM9	25-May-06	Volatile Organics (CLP)	2-butanone	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW13	Y2HM8	Y2HM9	25-May-06	Volatile Organics (CLP)	2-hexanone	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--

Notes:
[1]Relative percent difference calculated using the equation %RPD = ((N-D)/(N+D))/2.
[2]Table C-3 provides EPA's criteria for comparing field duplicate sample results.
[3]The reporting criteria for field duplicates are designed to ensure that the most conservative data set in terms of protection of human health and the environment.

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N = Primary Sample
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µg/L = microgram(s) per liter
ng/L = nanogram(s) per liter
NC = RPD not calculated
RPD = relative percent difference
-- = comparison to criterion not required due to data agreement.

Qualifiers
J = Estimated Value
LJ = Estimated Value, Result May be Biased Low
R = Rejected
U = Non-Detect
UJ = Non-Detect Estimated Value
UR = Rejected Non-Detect

TABLE C-4
Field Duplicate Evaluation
Remedial Investigation
San Gabriel Valley Area 3 Superfund Site

Location	Parent Sample ID	Field Duplicate ID	Sample Date	Analysis Method	Parameter	Units	Parent Sample Results				Field Duplicate Results				RPD[1]	Conclusion[2]	Reporting Criteria[3]	Comparison to Evaluation Criterion in event of Disagreement or Major Disagreement
							Result	Q	DL	RL	Result	Q	DL	RL				
EPAMW13	Y2HM8	Y2HM9	25-May-06	Volatile Organics (CLP)	4-methyl-2-pentanone	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW13	Y2HM8	Y2HM9	25-May-06	Volatile Organics (CLP)	acetone	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW13	Y2HM8	Y2HM9	25-May-06	Volatile Organics (CLP)	benzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW13	Y2HM8	Y2HM9	25-May-06	Volatile Organics (CLP)	bromochloromethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW13	Y2HM8	Y2HM9	25-May-06	Volatile Organics (CLP)	bromodichloromethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW13	Y2HM8	Y2HM9	25-May-06	Volatile Organics (CLP)	bromoform	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW13	Y2HM8	Y2HM9	25-May-06	Volatile Organics (CLP)	bromomethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW13	Y2HM8	Y2HM9	25-May-06	Volatile Organics (CLP)	carbon disulfide	µg/L	**0.18**	**J**		0.5	0.5	U		0.5	NC	Agreement	Use positive result	--
EPAMW13	Y2HM8	Y2HM9	25-May-06	Volatile Organics (CLP)	carbon tetrachloride	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW13	Y2HM8	Y2HM9	25-May-06	Volatile Organics (CLP)	chlorobenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW13	Y2HM8	Y2HM9	25-May-06	Volatile Organics (CLP)	chloroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW13	Y2HM8	Y2HM9	25-May-06	Volatile Organics (CLP)	chloroform	µg/L	**0.14**	**J**		0.5	**0.15**	**J**		0.5	**6.9%**	Agreement	Use higher concentration	--
EPAMW13	Y2HM8	Y2HM9	25-May-06	Volatile Organics (CLP)	chloromethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW13	Y2HM8	Y2HM9	25-May-06	Volatile Organics (CLP)	cis-1,2-dichloroethene	µg/L	**0.13**	**J**		0.5	0.5	U		0.5	NC	Agreement	Use positive result	--
EPAMW13	Y2HM8	Y2HM9	25-May-06	Volatile Organics (CLP)	cis-1,3-dichloropropene	µg/L	0.5	U		0.5	0.5	UJ		0.5	NC	Agreement	Use reporting limit	--
EPAMW13	Y2HM8	Y2HM9	25-May-06	Volatile Organics (CLP)	cyclohexane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW13	Y2HM8	Y2HM9	25-May-06	Volatile Organics (CLP)	dibromochloromethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW13	Y2HM8	Y2HM9	25-May-06	Volatile Organics (CLP)	dibromochloropropane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW13	Y2HM8	Y2HM9	25-May-06	Volatile Organics (CLP)	dichlorodifluoromethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW13	Y2HM8	Y2HM9	25-May-06	Volatile Organics (CLP)	ethylbenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW13	Y2HM8	Y2HM9	25-May-06	Volatile Organics (CLP)	isopropylbenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW13	Y2HM8	Y2HM9	25-May-06	Volatile Organics (CLP)	methyl ester acetic acid	µg/L	0.5	UJ		0.5	0.5	UJ		0.5	NC	Agreement	Use reporting limit	--
EPAMW13	Y2HM8	Y2HM9	25-May-06	Volatile Organics (CLP)	methyl tert-butyl ether	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW13	Y2HM8	Y2HM9	25-May-06	Volatile Organics (CLP)	methylcyclohexane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW13	Y2HM8	Y2HM9	25-May-06	Volatile Organics (CLP)	methylene chloride	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW13	Y2HM8	Y2HM9	25-May-06	Volatile Organics (CLP)	styrene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW13	Y2HM8	Y2HM9	25-May-06	Volatile Organics (CLP)	tert-butyl alcohol	µg/L	5	UJ		5	5	UJ		5	NC	Agreement	Use reporting limit	--
EPAMW13	Y2HM8	Y2HM9	25-May-06	Volatile Organics (CLP)	tetrachloroethene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW13	Y2HM8	Y2HM9	25-May-06	Volatile Organics (CLP)	toluene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW13	Y2HM8	Y2HM9	25-May-06	Volatile Organics (CLP)	total xylenes	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW13	Y2HM8	Y2HM9	25-May-06	Volatile Organics (CLP)	trans-1,2-dichloroethene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW13	Y2HM8	Y2HM9	25-May-06	Volatile Organics (CLP)	trans-1,3-dichloropropene	µg/L	0.5	U		0.5	0.5	UJ		0.5	NC	Agreement	Use reporting limit	--
EPAMW13	Y2HM8	Y2HM9	25-May-06	Volatile Organics (CLP)	trichloroethene	µg/L	**2.5**			0.5	**3**			0.5	**18.2%**	Agreement	Use higher concentration	--
EPAMW13	Y2HM8	Y2HM9	25-May-06	Volatile Organics (CLP)	trichlorofluoromethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW13	Y2HM8	Y2HM9	25-May-06	Volatile Organics (CLP)	vinyl chloride	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW13	Y3AN2	Y3AN3	10-May-07	Volatile Organics (CLP)	1,1,1-trichloroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW13	Y3AN2	Y3AN3	10-May-07	Volatile Organics (CLP)	1,1,2,2-tetrachloroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW13	Y3AN2	Y3AN3	10-May-07	Volatile Organics (CLP)	1,1,2-trichloro-1,2,2-trifluoroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW13	Y3AN2	Y3AN3	10-May-07	Volatile Organics (CLP)	1,1,2-trichloroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW13	Y3AN2	Y3AN3	10-May-07	Volatile Organics (CLP)	1,1-dichloroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW13	Y3AN2	Y3AN3	10-May-07	Volatile Organics (CLP)	1,1-dichloroethene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--

Notes:
[1]Relative percent difference calculated using the equation %RPD = ((N-D)/(N+D))/2.
[2]Table C-3 provides EPA's criteria for comparing field duplicate sample results.
[3]The reporting criteria for field duplicates are designed to ensure that the most conservative data set in terms of protection of human health and the environment.

D = Field Duplicate
N = Primary Sample
mg/L = milligram(s) per liter
µg/L = microgram(s) per liter
ng/L = nanogram(s) per liter
NC = RPD not calculated
RPD = relative percent difference
-- = comparison to criterion not required due to data agreement.

Qualifiers
J = Estimated Value
LJ = Estimated Value, Result May be Biased Low
R = Rejected
U = Non-Detect
UJ = Non-Detect Estimated Value
UR = Rejected Non-Detect

TABLE C-4
Field Duplicate Evaluation
Remedial Investigation
San Gabriel Valley Area 3 Superfund Site

Location	Parent Sample ID	Field Duplicate ID	Sample Date	Analysis Method	Parameter	Units	Parent Sample Results				Field Duplicate Results				RPD[1]	Conclusion[2]	Reporting Criteria[3]	Comparison to Evaluation Criterion in event of Disagreement or Major Disagreement
							Result	Q	DL	RL	Result	Q	DL	RL				
EPAMW13	Y3AN2	Y3AN3	10-May-07	Volatile Organics (CLP)	1,2,3-trichlorobenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW13	Y3AN2	Y3AN3	10-May-07	Volatile Organics (CLP)	1,2,4-trichlorobenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW13	Y3AN2	Y3AN3	10-May-07	Volatile Organics (CLP)	1,2-dibromoethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW13	Y3AN2	Y3AN3	10-May-07	Volatile Organics (CLP)	1,2-dichlorobenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW13	Y3AN2	Y3AN3	10-May-07	Volatile Organics (CLP)	1,2-dichloroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW13	Y3AN2	Y3AN3	10-May-07	Volatile Organics (CLP)	1,2-dichloropropane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW13	Y3AN2	Y3AN3	10-May-07	Volatile Organics (CLP)	1,3-dichlorobenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW13	Y3AN2	Y3AN3	10-May-07	Volatile Organics (CLP)	1,4-dichlorobenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW13	Y3AN2	Y3AN3	10-May-07	Volatile Organics (CLP)	1,4-dioxane	µg/L	20	R		20	20	R		20	NC	Agreement	Use reporting limit	--
EPAMW13	Y3AN2	Y3AN3	10-May-07	Volatile Organics (CLP)	2-butanone	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW13	Y3AN2	Y3AN3	10-May-07	Volatile Organics (CLP)	2-hexanone	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW13	Y3AN2	Y3AN3	10-May-07	Volatile Organics (CLP)	4-methyl-2-pentanone	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW13	Y3AN2	Y3AN3	10-May-07	Volatile Organics (CLP)	acetone	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW13	Y3AN2	Y3AN3	10-May-07	Volatile Organics (CLP)	benzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW13	Y3AN2	Y3AN3	10-May-07	Volatile Organics (CLP)	bromochloromethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW13	Y3AN2	Y3AN3	10-May-07	Volatile Organics (CLP)	bromodichloromethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW13	Y3AN2	Y3AN3	10-May-07	Volatile Organics (CLP)	bromoform	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW13	Y3AN2	Y3AN3	10-May-07	Volatile Organics (CLP)	bromomethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW13	Y3AN2	Y3AN3	10-May-07	Volatile Organics (CLP)	carbon disulfide	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW13	Y3AN2	Y3AN3	10-May-07	Volatile Organics (CLP)	carbon tetrachloride	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW13	Y3AN2	Y3AN3	10-May-07	Volatile Organics (CLP)	chlorobenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW13	Y3AN2	Y3AN3	10-May-07	Volatile Organics (CLP)	chloroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW13	Y3AN2	Y3AN3	10-May-07	Volatile Organics (CLP)	chloroform	µg/L	**0.73**			0.5	**0.51**			0.5	**35.5%**	Disagreement	Use higher concentration	Both concentrations do not exceed MCL
EPAMW13	Y3AN2	Y3AN3	10-May-07	Volatile Organics (CLP)	chloromethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW13	Y3AN2	Y3AN3	10-May-07	Volatile Organics (CLP)	cis-1,2-dichloroethene	µg/L	**2**			0.5	**1.5**			0.5	**28.6%**	Agreement	Use higher concentration	--
EPAMW13	Y3AN2	Y3AN3	10-May-07	Volatile Organics (CLP)	cis-1,3-dichloropropene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW13	Y3AN2	Y3AN3	10-May-07	Volatile Organics (CLP)	cyclohexane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW13	Y3AN2	Y3AN3	10-May-07	Volatile Organics (CLP)	dibromochloromethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW13	Y3AN2	Y3AN3	10-May-07	Volatile Organics (CLP)	dibromochloropropane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW13	Y3AN2	Y3AN3	10-May-07	Volatile Organics (CLP)	dichlorodifluoromethane	µg/L	**0.84**			0.5	0.5	U		0.5	NC	Agreement	Use positive result	--
EPAMW13	Y3AN2	Y3AN3	10-May-07	Volatile Organics (CLP)	ethylbenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW13	Y3AN2	Y3AN3	10-May-07	Volatile Organics (CLP)	isopropylbenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW13	Y3AN2	Y3AN3	10-May-07	Volatile Organics (CLP)	m,p-xylene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW13	Y3AN2	Y3AN3	10-May-07	Volatile Organics (CLP)	methyl ester acetic acid	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW13	Y3AN2	Y3AN3	10-May-07	Volatile Organics (CLP)	methyl tert-butyl ether	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW13	Y3AN2	Y3AN3	10-May-07	Volatile Organics (CLP)	methylcyclohexane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW13	Y3AN2	Y3AN3	10-May-07	Volatile Organics (CLP)	methylene chloride	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW13	Y3AN2	Y3AN3	10-May-07	Volatile Organics (CLP)	o-xylene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW13	Y3AN2	Y3AN3	10-May-07	Volatile Organics (CLP)	styrene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW13	Y3AN2	Y3AN3	10-May-07	Volatile Organics (CLP)	tert-butyl alcohol	µg/L	5	R		5	5	R		5	NC	Agreement	Use reporting limit	--
EPAMW13	Y3AN2	Y3AN3	10-May-07	Volatile Organics (CLP)	tetrachloroethene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--

Notes:
[1]Relative percent difference calculated using the equation %RPD = ((N-D)/(N+D))/2.
[2]Table C-3 provides EPA's criteria for comparing field duplicate sample results.
[3]The reporting criteria for field duplicates are designed to ensure that the most conservative data set in terms of protection of human health and the environment.

D = Field Duplicate
N = Primary Sample
mg/L = milligram(s) per liter
µg/L = microgram(s) per liter
ng/L = nanogram(s) per liter
NC = RPD not calculated
RPD = relative percent difference
-- = comparison to criterion not required due to data agreement.

Qualifiers
J = Estimated Value
LJ = Estimated Value, Result May be Biased Low
R = Rejected
U = Non-Detect
UJ = Non-Detect Estimated Value
UR = Rejected Non-Detect

TABLE C-4
Field Duplicate Evaluation
Remedial Investigation
San Gabriel Valley Area 3 Superfund Site

Location	Parent Sample ID	Field Duplicate ID	Sample Date	Analysis Method	Parameter	Units	Parent Sample Results				Field Duplicate Results				RPD[1]	Conclusion[2]	Reporting Criteria[3]	Comparison to Evaluation Criterion in event of Disagreement or Major Disagreement
							Result	Q	DL	RL	Result	Q	DL	RL				
EPAMW13	Y3AN2	Y3AN3	10-May-07	Volatile Organics (CLP)	toluene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW13	Y3AN2	Y3AN3	10-May-07	Volatile Organics (CLP)	trans-1,2-dichloroethene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW13	Y3AN2	Y3AN3	10-May-07	Volatile Organics (CLP)	trans-1,3-dichloropropene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW13	Y3AN2	Y3AN3	10-May-07	Volatile Organics (CLP)	trichloroethene	µg/L	**29**			0.5	**20**			0.5	**36.7%**	Disagreement	Use higher concentration	Both concentrations exceed MCL
EPAMW13	Y3AN2	Y3AN3	10-May-07	Volatile Organics (CLP)	trichlorofluoromethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW13	Y3AN2	Y3AN3	10-May-07	Volatile Organics (CLP)	vinyl chloride	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW13	Y3QN7	Y3QN8	14-Nov-07	Volatile Organics (CLP)	1,1,1-trichloroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW13	Y3QN7	Y3QN8	14-Nov-07	Volatile Organics (CLP)	1,1,2,2-tetrachloroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW13	Y3QN7	Y3QN8	14-Nov-07	Volatile Organics (CLP)	1,1,2-trichloro-1,2,2-trifluoroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW13	Y3QN7	Y3QN8	14-Nov-07	Volatile Organics (CLP)	1,1,2-trichloroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW13	Y3QN7	Y3QN8	14-Nov-07	Volatile Organics (CLP)	1,1-dichloroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW13	Y3QN7	Y3QN8	14-Nov-07	Volatile Organics (CLP)	1,1-dichloroethene	µg/L	**0.082**	**J**		0.5	**0.087**	**J**		0.5	**5.9%**	Agreement	Use higher concentration	--
EPAMW13	Y3QN7	Y3QN8	14-Nov-07	Volatile Organics (CLP)	1,2,3-trichlorobenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW13	Y3QN7	Y3QN8	14-Nov-07	Volatile Organics (CLP)	1,2,4-trichlorobenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW13	Y3QN7	Y3QN8	14-Nov-07	Volatile Organics (CLP)	1,2-dibromoethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW13	Y3QN7	Y3QN8	14-Nov-07	Volatile Organics (CLP)	1,2-dichlorobenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW13	Y3QN7	Y3QN8	14-Nov-07	Volatile Organics (CLP)	1,2-dichloroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW13	Y3QN7	Y3QN8	14-Nov-07	Volatile Organics (CLP)	1,2-dichloropropane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW13	Y3QN7	Y3QN8	14-Nov-07	Volatile Organics (CLP)	1,3-dichlorobenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW13	Y3QN7	Y3QN8	14-Nov-07	Volatile Organics (CLP)	1,4-dichlorobenzene	µg/L	**0.059**	**J**		0.5	0.5	U		0.5	NC	Agreement	Use positive result	--
EPAMW13	Y3QN7	Y3QN8	14-Nov-07	Volatile Organics (CLP)	1,4-dioxane	µg/L	20	U		20	20	U		20	NC	Agreement	Use reporting limit	--
EPAMW13	Y3QN7	Y3QN8	14-Nov-07	Volatile Organics (CLP)	2-butanone	µg/L	**0.2**	**J**		5	5	U		5	NC	Agreement	Use positive result	--
EPAMW13	Y3QN7	Y3QN8	14-Nov-07	Volatile Organics (CLP)	2-hexanone	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW13	Y3QN7	Y3QN8	14-Nov-07	Volatile Organics (CLP)	4-methyl-2-pentanone	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW13	Y3QN7	Y3QN8	14-Nov-07	Volatile Organics (CLP)	acetone	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW13	Y3QN7	Y3QN8	14-Nov-07	Volatile Organics (CLP)	benzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW13	Y3QN7	Y3QN8	14-Nov-07	Volatile Organics (CLP)	bromochloromethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW13	Y3QN7	Y3QN8	14-Nov-07	Volatile Organics (CLP)	bromodichloromethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW13	Y3QN7	Y3QN8	14-Nov-07	Volatile Organics (CLP)	bromoform	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW13	Y3QN7	Y3QN8	14-Nov-07	Volatile Organics (CLP)	bromomethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW13	Y3QN7	Y3QN8	14-Nov-07	Volatile Organics (CLP)	carbon disulfide	µg/L	0.5	U		0.5	**1.1**			0.5	NC	Agreement	Use positive result	--
EPAMW13	Y3QN7	Y3QN8	14-Nov-07	Volatile Organics (CLP)	carbon tetrachloride	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW13	Y3QN7	Y3QN8	14-Nov-07	Volatile Organics (CLP)	chlorobenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW13	Y3QN7	Y3QN8	14-Nov-07	Volatile Organics (CLP)	chloroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW13	Y3QN7	Y3QN8	14-Nov-07	Volatile Organics (CLP)	chloroform	µg/L	**0.56**			0.5	**0.15**	**J**		0.5	**115.5%**	Major Disagreement	Use higher concentration	Both concentrations do not exceed MCL
EPAMW13	Y3QN7	Y3QN8	14-Nov-07	Volatile Organics (CLP)	chloromethane	µg/L	**0.078**	**J**		0.5	**0.067**	**J**		0.5	**15.2%**	Agreement	Use higher concentration	--
EPAMW13	Y3QN7	Y3QN8	14-Nov-07	Volatile Organics (CLP)	cis-1,2-dichloroethene	µg/L	**1.4**			0.5	0.5	U		0.5	NC	Agreement	Use positive result	--
EPAMW13	Y3QN7	Y3QN8	14-Nov-07	Volatile Organics (CLP)	cis-1,3-dichloropropene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW13	Y3QN7	Y3QN8	14-Nov-07	Volatile Organics (CLP)	cyclohexane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW13	Y3QN7	Y3QN8	14-Nov-07	Volatile Organics (CLP)	dibromochloromethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW13	Y3QN7	Y3QN8	14-Nov-07	Volatile Organics (CLP)	dibromochloropropane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--

Notes:
[1]Relative percent difference calculated using the equation %RPD = ((N-D)/(N+D))/2.
[2]Table C-3 provides EPA's criteria for comparing field duplicate sample results.
[3]The reporting criteria for field duplicates are designed to ensure that the most conservative data set in terms of protection of human health and the environment.

D = Field Duplicate
N = Primary Sample
mg/L = milligram(s) per liter
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Qualifiers
J = Estimated Value
LJ = Estimated Value, Result May be Biased Low
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Location	Parent Sample ID	Field Duplicate ID	Sample Date	Analysis Method	Parameter	Units	Parent Sample Results				Field Duplicate Results				RPD[1]	Conclusion[2]	Reporting Criteria[3]	Comparison to Evaluation Criterion in event of Disagreement or Major Disagreement
							Result	Q	DL	RL	Result	Q	DL	RL				
EPAMW13	Y3QN7	Y3QN8	14-Nov-07	Volatile Organics (CLP)	dichlorodifluoromethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW13	Y3QN7	Y3QN8	14-Nov-07	Volatile Organics (CLP)	ethylbenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW13	Y3QN7	Y3QN8	14-Nov-07	Volatile Organics (CLP)	isopropylbenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW13	Y3QN7	Y3QN8	14-Nov-07	Volatile Organics (CLP)	m,p-xylene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW13	Y3QN7	Y3QN8	14-Nov-07	Volatile Organics (CLP)	methyl ester acetic acid	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW13	Y3QN7	Y3QN8	14-Nov-07	Volatile Organics (CLP)	methyl tert-butyl ether	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW13	Y3QN7	Y3QN8	14-Nov-07	Volatile Organics (CLP)	methylcyclohexane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW13	Y3QN7	Y3QN8	14-Nov-07	Volatile Organics (CLP)	methylene chloride	µg/L	**0.24**	**J**		0.5	**0.24**	**J**		0.5	**0.0%**	Agreement	Use detected concentration	--
EPAMW13	Y3QN7	Y3QN8	14-Nov-07	Volatile Organics (CLP)	o-xylene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW13	Y3QN7	Y3QN8	14-Nov-07	Volatile Organics (CLP)	styrene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW13	Y3QN7	Y3QN8	14-Nov-07	Volatile Organics (CLP)	tert-butyl alcohol	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW13	Y3QN7	Y3QN8	14-Nov-07	Volatile Organics (CLP)	tetrachloroethene	µg/L	0.5	U		0.5	**0.1**	**J**		0.5	NC	Agreement	Use positive result	--
EPAMW13	Y3QN7	Y3QN8	14-Nov-07	Volatile Organics (CLP)	toluene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW13	Y3QN7	Y3QN8	14-Nov-07	Volatile Organics (CLP)	trans-1,2-dichloroethene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW13	Y3QN7	Y3QN8	14-Nov-07	Volatile Organics (CLP)	trans-1,3-dichloropropene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW13	Y3QN7	Y3QN8	14-Nov-07	Volatile Organics (CLP)	trichloroethene	µg/L	**2.8**			0.5	**0.094**	**J**		0.5	**187.0%**	Major Disagreement	Use higher concentration	Both concentrations do not exceed MCL
EPAMW13	Y3QN7	Y3QN8	14-Nov-07	Volatile Organics (CLP)	trichlorofluoromethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW13	Y3QN7	Y3QN8	14-Nov-07	Volatile Organics (CLP)	vinyl chloride	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW13	Y3QN7	Y3QN8	14-Nov-07	EPA Method 314.0	perchlorate	µg/L	**2.5**		1	2	**1.1**	**J**	1	2	**77.8%**	Major Disagreement	Use higher concentration	Both concentrations do not exceed MCL
EPAMW13	Y3QN7	Y3QN8	14-Nov-07	EPA Method 300.0	nitrate (as n)	mg/L	**5.5**		0.05	0.1	**5.4**		0.05	0.1	**1.8%**	Agreement	Use higher concentration	--
EPAMW13	Y3QN7	Y3QN8	14-Nov-07	EPA Method 160.1	total dissolved solids	mg/L	**330**		10	20	**320**		10	20	**3.1%**	Agreement	Use higher concentration	--
EPAMW14	AH04021	AH04022	09-Feb-04	EPA Method 200.7	boron	µg/L	**110**		50	100	**110**		50	100	**0.0%**	Agreement	Use detected concentration	--
EPAMW14	AH04021	AH04022	09-Feb-04	EPA Method 200.7	calcium	µg/L	**82000**		50	100	**83000**		50	100	**1.2%**	Agreement	Use higher concentration	--
EPAMW14	AH04021	AH04022	09-Feb-04	EPA Method 200.7	iron	µg/L	100	U	50	100	100	U	50	100	NC	Agreement	Use reporting limit	--
EPAMW14	AH04021	AH04022	09-Feb-04	EPA Method 200.7	magnesium	µg/L	**23000**		250	500	**23000**		250	500	**0.0%**	Agreement	Use detected concentration	--
EPAMW14	AH04021	AH04022	09-Feb-04	EPA Method 200.7	potassium	µg/L	**3000**	**J**	2500	5000	**3200**	**J**	2500	5000	**6.5%**	Agreement	Use higher concentration	--
EPAMW14	AH04021	AH04022	09-Feb-04	EPA Method 200.7	sodium	µg/L	**64000**		250	500	**65000**		250	500	**1.6%**	Agreement	Use higher concentration	--
EPAMW14	AH04021	AH04022	09-Feb-04	EPA Method 200.7	vanadium	µg/L	20	U	10	20	20	U	10	20	NC	Agreement	Use reporting limit	--
EPAMW14	AH04021	AH04022	09-Feb-04	EPA Method 200.8	aluminum	µg/L	20	U	10	20	20	U	10	20	NC	Agreement	Use reporting limit	--
EPAMW14	AH04021	AH04022	09-Feb-04	EPA Method 200.8	antimony	µg/L	1	U	0.5	1	1	U	0.5	1	NC	Agreement	Use reporting limit	--
EPAMW14	AH04021	AH04022	09-Feb-04	EPA Method 200.8	arsenic	µg/L	**0.93**		0.25	0.5	**0.88**		0.25	0.5	**5.5%**	Agreement	Use higher concentration	--
EPAMW14	AH04021	AH04022	09-Feb-04	EPA Method 200.8	barium	µg/L	**94**		0.5	1	**95**		0.5	1	**1.1%**	Agreement	Use higher concentration	--
EPAMW14	AH04021	AH04022	09-Feb-04	EPA Method 200.8	beryllium	µg/L	0.5	U	0.25	0.5	0.5	U	0.25	0.5	NC	Agreement	Use reporting limit	--
EPAMW14	AH04021	AH04022	09-Feb-04	EPA Method 200.8	cadmium	µg/L	1	U	0.5	1	1	U	0.5	1	NC	Agreement	Use reporting limit	--
EPAMW14	AH04021	AH04022	09-Feb-04	EPA Method 200.8	chromium (total)	µg/L	**4.5**		0.5	1	**4.5**		0.5	1	**0.0%**	Agreement	Use detected concentration	--
EPAMW14	AH04021	AH04022	09-Feb-04	EPA Method 200.8	cobalt	µg/L	1	U	0.5	1	1	U	0.5	1	NC	Agreement	Use reporting limit	--
EPAMW14	AH04021	AH04022	09-Feb-04	EPA Method 200.8	copper	µg/L	4	U	2	4	4	U	2	4	NC	Agreement	Use reporting limit	--
EPAMW14	AH04021	AH04022	09-Feb-04	EPA Method 200.8	lead	µg/L	1	U	0.5	1	1	U	0.5	1	NC	Agreement	Use reporting limit	--
EPAMW14	AH04021	AH04022	09-Feb-04	EPA Method 200.8	manganese	µg/L	**1.5**	**J**	1	2	**1.6**	**J**	1	2	**6.5%**	Agreement	Use higher concentration	--
EPAMW14	AH04021	AH04022	09-Feb-04	EPA Method 200.8	molybdenum	µg/L	**4.6**		0.25	0.5	**4.6**		0.25	0.5	**0.0%**	Agreement	Use detected concentration	--
EPAMW14	AH04021	AH04022	09-Feb-04	EPA Method 200.8	nickel	µg/L	**2.9**		1	2	**3**		1	2	**3.4%**	Agreement	Use higher concentration	--

Notes:

[1]Relative percent difference calculated using the equation %RPD = ((N-D)/(N+D))/2.

[2]Table C-3 provides EPA's criteria for comparing field duplicate sample results.

[3]The reporting criteria for field duplicates are designed to ensure that the most conservative data set in terms of protection of human health and the environment.

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TABLE C-4
Field Duplicate Evaluation
Remedial Investigation
San Gabriel Valley Area 3 Superfund Site

Location	Parent Sample ID	Field Duplicate ID	Sample Date	Analysis Method	Parameter	Units	Parent Sample Results				Field Duplicate Results				RPD[1]	Conclusion[2]	Reporting Criteria[3]	Comparison to Evaluation Criterion in event of Disagreement or Major Disagreement
							Result	Q	DL	RL	Result	Q	DL	RL				
EPAMW14	AH04021	AH04022	09-Feb-04	EPA Method 200.8	selenium	µg/L	**1.7**		0.5	1	**1.5**		0.5	1	**12.5%**	Agreement	Use higher concentration	--
EPAMW14	AH04021	AH04022	09-Feb-04	EPA Method 200.8	silver	µg/L	0.5	U	0.25	0.5	0.5	U	0.25	0.5	NC	Agreement	Use reporting limit	--
EPAMW14	AH04021	AH04022	09-Feb-04	EPA Method 200.8	thallium	µg/L	1	U	0.5	1	1	U	0.5	1	NC	Agreement	Use reporting limit	--
EPAMW14	AH04021	AH04022	09-Feb-04	EPA Method 200.8	zinc	µg/L	**11**		2.5	5	**8.6**		2.5	5	**24.5%**	Agreement	Use higher concentration	--
EPAMW14	AH04021	AH04022	09-Feb-04	EPA Method 245.1	mercury	µg/L	**0.023**	**J**	0.015	0.03	**0.017**	**J**	0.015	0.03	**30.0%**	Agreement	Use higher concentration	--
EPAMW14	AH04021	AH04022	09-Feb-04	EPA Method 314.0	perchlorate	µg/L	**3.5**		1	2	**3**		1	2	**15.4%**	Agreement	Use higher concentration	--
EPAMW14	AH04021	AH04022	09-Feb-04	EPA Method 8270C	1,2,4-trichlorobenzene	µg/L	1.1	U	0.6	1.1	1.1	U	0.6	1.1	NC	Agreement	Use reporting limit	--
EPAMW14	AH04021	AH04022	09-Feb-04	EPA Method 8270C	1,2-dichlorobenzene	µg/L	1.1	U	0.6	1.1	1.1	U	0.6	1.1	NC	Agreement	Use reporting limit	--
EPAMW14	AH04021	AH04022	09-Feb-04	EPA Method 8270C	1,3-dichlorobenzene	µg/L	1.1	U	0.6	1.1	1.1	U	0.6	1.1	NC	Agreement	Use reporting limit	--
EPAMW14	AH04021	AH04022	09-Feb-04	EPA Method 8270C	1,4-dichlorobenzene	µg/L	1.1	U	0.6	1.1	1.1	U	0.6	1.1	NC	Agreement	Use reporting limit	--
EPAMW14	AH04021	AH04022	09-Feb-04	EPA Method 8270C	1,4-dioxane	µg/L	1.1	U	0.6	1.1	1.1	U	0.6	1.1	NC	Agreement	Use reporting limit	--
EPAMW14	AH04021	AH04022	09-Feb-04	EPA Method 8270C	2,2'-oxybis(1-chloropropane)	µg/L	1.1	U	0.6	1.1	1.1	U	0.6	1.1	NC	Agreement	Use reporting limit	--
EPAMW14	AH04021	AH04022	09-Feb-04	EPA Method 8270C	2,4,5- trichlorophenol	µg/L	5.7	U	2.8	5.7	5.7	U	2.9	5.7	NC	Agreement	Use reporting limit	--
EPAMW14	AH04021	AH04022	09-Feb-04	EPA Method 8270C	2,4,6-trichlorophenol	µg/L	5.7	U	2.8	5.7	5.7	U	2.9	5.7	NC	Agreement	Use reporting limit	--
EPAMW14	AH04021	AH04022	09-Feb-04	EPA Method 8270C	2,4-dichlorophenol	µg/L	5.7	U	2.8	5.7	5.7	U	2.9	5.7	NC	Agreement	Use reporting limit	--
EPAMW14	AH04021	AH04022	09-Feb-04	EPA Method 8270C	2,4-dimethylphenol	µg/L	5.7	U	2.8	5.7	5.7	U	2.9	5.7	NC	Agreement	Use reporting limit	--
EPAMW14	AH04021	AH04022	09-Feb-04	EPA Method 8270C	2,4-dinitrophenol	µg/L	5.7	U	2.8	5.7	5.7	U	2.9	5.7	NC	Agreement	Use reporting limit	--
EPAMW14	AH04021	AH04022	09-Feb-04	EPA Method 8270C	2,4-dinitrotoluene	µg/L	1.1	U	0.6	1.1	1.1	U	0.6	1.1	NC	Agreement	Use reporting limit	--
EPAMW14	AH04021	AH04022	09-Feb-04	EPA Method 8270C	2,6-dinitrotoluene	µg/L	1.1	U	0.6	1.1	1.1	U	0.6	1.1	NC	Agreement	Use reporting limit	--
EPAMW14	AH04021	AH04022	09-Feb-04	EPA Method 8270C	2-chloronaphthalene	µg/L	1.1	U	0.6	1.1	1.1	U	0.6	1.1	NC	Agreement	Use reporting limit	--
EPAMW14	AH04021	AH04022	09-Feb-04	EPA Method 8270C	2-chlorophenol	µg/L	5.7	U	2.8	5.7	5.7	U	2.9	5.7	NC	Agreement	Use reporting limit	--
EPAMW14	AH04021	AH04022	09-Feb-04	EPA Method 8270C	2-methylnaphthalene	µg/L	1.1	U	0.6	1.1	1.1	U	0.6	1.1	NC	Agreement	Use reporting limit	--
EPAMW14	AH04021	AH04022	09-Feb-04	EPA Method 8270C	2-methylphenol	µg/L	5.7	U	2.8	5.7	5.7	U	2.9	5.7	NC	Agreement	Use reporting limit	--
EPAMW14	AH04021	AH04022	09-Feb-04	EPA Method 8270C	2-nitroaniline	µg/L	5.7	U	2.8	5.7	5.7	U	2.9	5.7	NC	Agreement	Use reporting limit	--
EPAMW14	AH04021	AH04022	09-Feb-04	EPA Method 8270C	2-nitrophenol	µg/L	5.7	U	2.8	5.7	5.7	U	2.9	5.7	NC	Agreement	Use reporting limit	--
EPAMW14	AH04021	AH04022	09-Feb-04	EPA Method 8270C	3,3-dichlorobenzidine	µg/L	5.7	U	2.8	5.7	5.7	U	2.9	5.7	NC	Agreement	Use reporting limit	--
EPAMW14	AH04021	AH04022	09-Feb-04	EPA Method 8270C	3/4 methylphenol	µg/L	5.7	U	2.8	5.7	5.7	U	2.9	5.7	NC	Agreement	Use reporting limit	--
EPAMW14	AH04021	AH04022	09-Feb-04	EPA Method 8270C	3-nitroaniline	µg/L	5.7	U	2.8	5.7	5.7	U	2.9	5.7	NC	Agreement	Use reporting limit	--
EPAMW14	AH04021	AH04022	09-Feb-04	EPA Method 8270C	4,6-dinitro-2-methylphenol	µg/L	5.7	U	2.8	5.7	5.7	U	2.9	5.7	NC	Agreement	Use reporting limit	--
EPAMW14	AH04021	AH04022	09-Feb-04	EPA Method 8270C	4-bromophenyl-phenyl ether	µg/L	1.1	U	0.6	1.1	1.1	U	0.6	1.1	NC	Agreement	Use reporting limit	--
EPAMW14	AH04021	AH04022	09-Feb-04	EPA Method 8270C	4-chloro-3-methylphenol	µg/L	5.7	U	2.8	5.7	5.7	U	2.9	5.7	NC	Agreement	Use reporting limit	--
EPAMW14	AH04021	AH04022	09-Feb-04	EPA Method 8270C	4-chloroaniline	µg/L	5.7	U	2.8	5.7	5.7	U	2.9	5.7	NC	Agreement	Use reporting limit	--
EPAMW14	AH04021	AH04022	09-Feb-04	EPA Method 8270C	4-chlorophenyl-phenyl ether	µg/L	1.1	U	0.6	1.1	1.1	U	0.6	1.1	NC	Agreement	Use reporting limit	--
EPAMW14	AH04021	AH04022	09-Feb-04	EPA Method 8270C	4-nitroaniline	µg/L	5.7	U	2.8	5.7	5.7	U	2.9	5.7	NC	Agreement	Use reporting limit	--
EPAMW14	AH04021	AH04022	09-Feb-04	EPA Method 8270C	4-nitrophenol	µg/L	5.7	U	2.8	5.7	5.7	U	2.9	5.7	NC	Agreement	Use reporting limit	--
EPAMW14	AH04021	AH04022	09-Feb-04	EPA Method 8270C	acenaphthene	µg/L	1.1	U	0.6	1.1	1.1	U	0.6	1.1	NC	Agreement	Use reporting limit	--
EPAMW14	AH04021	AH04022	09-Feb-04	EPA Method 8270C	acenaphthylene	µg/L	1.1	U	0.6	1.1	1.1	U	0.6	1.1	NC	Agreement	Use reporting limit	--
EPAMW14	AH04021	AH04022	09-Feb-04	EPA Method 8270C	anthracene	µg/L	1.1	U	0.6	1.1	1.1	U	0.6	1.1	NC	Agreement	Use reporting limit	--
EPAMW14	AH04021	AH04022	09-Feb-04	EPA Method 8270C	benzo(a)anthracene	µg/L	1.1	U	0.6	1.1	1.1	U	0.6	1.1	NC	Agreement	Use reporting limit	--
EPAMW14	AH04021	AH04022	09-Feb-04	EPA Method 8270C	benzo(a)pyrene	µg/L	1.1	U	0.6	1.1	1.1	U	0.6	1.1	NC	Agreement	Use reporting limit	--
EPAMW14	AH04021	AH04022	09-Feb-04	EPA Method 8270C	benzo(b)fluoranthene	µg/L	1.1	U	0.6	1.1	1.1	U	0.6	1.1	NC	Agreement	Use reporting limit	--

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Remedial Investigation
San Gabriel Valley Area 3 Superfund Site

Location	Parent Sample ID	Field Duplicate ID	Sample Date	Analysis Method	Parameter	Units	Parent Sample Results				Field Duplicate Results				RPD[1]	Conclusion[2]	Reporting Criteria[3]	Comparison to Evaluation Criterion in event of Disagreement or Major Disagreement
							Result	Q	DL	RL	Result	Q	DL	RL				
EPAMW14	AH04021	AH04022	09-Feb-04	EPA Method 8270C	benzo(g,h,i)perylene	µg/L	1.1	U	0.6	1.1	1.1	U	0.6	1.1	NC	Agreement	Use reporting limit	--
EPAMW14	AH04021	AH04022	09-Feb-04	EPA Method 8270C	benzo(k)fluoranthene	µg/L	1.1	U	0.6	1.1	1.1	U	0.6	1.1	NC	Agreement	Use reporting limit	--
EPAMW14	AH04021	AH04022	09-Feb-04	EPA Method 8270C	benzyl alcohol	µg/L	**2.8**	**J**	2.8	5.7	**2.9**	**J**	2.9	5.7	**3.5%**	Agreement	Use higher concentration	--
EPAMW14	AH04021	AH04022	09-Feb-04	EPA Method 8270C	bis(2-chloroethoxy)methane	µg/L	1.1	U	0.6	1.1	1.1	U	0.6	1.1	NC	Agreement	Use reporting limit	--
EPAMW14	AH04021	AH04022	09-Feb-04	EPA Method 8270C	bis(2-chloroethyl)ether	µg/L	1.1	U	0.6	1.1	1.1	U	0.6	1.1	NC	Agreement	Use reporting limit	--
EPAMW14	AH04021	AH04022	09-Feb-04	EPA Method 8270C	bis(2-ethylhexyl)phthalate	µg/L	**3.7**		0.6	1.1	**2**		0.6	1.1	**59.6%**	Disagreement	Use higher concentration	Both concentrations do not exceed MCL
EPAMW14	AH04021	AH04022	09-Feb-04	EPA Method 8270C	butylbenzyl phthalate	µg/L	1.1	U	0.6	1.1	1.1	U	0.6	1.1	NC	Agreement	Use reporting limit	--
EPAMW14	AH04021	AH04022	09-Feb-04	EPA Method 8270C	carbazole	µg/L	1.1	U	0.6	1.1	1.1	U	0.6	1.1	NC	Agreement	Use reporting limit	--
EPAMW14	AH04021	AH04022	09-Feb-04	EPA Method 8270C	chrysene	µg/L	1.1	U	0.6	1.1	1.1	U	0.6	1.1	NC	Agreement	Use reporting limit	--
EPAMW14	AH04021	AH04022	09-Feb-04	EPA Method 8270C	dibenzo(a,h)anthracene	µg/L	1.1	U	0.6	1.1	1.1	U	0.6	1.1	NC	Agreement	Use reporting limit	--
EPAMW14	AH04021	AH04022	09-Feb-04	EPA Method 8270C	dibenzofuran	µg/L	1.1	U	0.6	1.1	1.1	U	0.6	1.1	NC	Agreement	Use reporting limit	--
EPAMW14	AH04021	AH04022	09-Feb-04	EPA Method 8270C	diethyl phthalate	µg/L	1.1	U	0.6	1.1	1.1	U	0.6	1.1	NC	Agreement	Use reporting limit	--
EPAMW14	AH04021	AH04022	09-Feb-04	EPA Method 8270C	dimethyl phthalate	µg/L	1.1	U	0.6	1.1	1.1	U	0.6	1.1	NC	Agreement	Use reporting limit	--
EPAMW14	AH04021	AH04022	09-Feb-04	EPA Method 8270C	di-n-butylphthalate	µg/L	1.1	U	0.6	1.1	1.1	U	0.6	1.1	NC	Agreement	Use reporting limit	--
EPAMW14	AH04021	AH04022	09-Feb-04	EPA Method 8270C	di-n-octyl phthalate	µg/L	1.1	U	0.6	1.1	1.1	U	0.6	1.1	NC	Agreement	Use reporting limit	--
EPAMW14	AH04021	AH04022	09-Feb-04	EPA Method 8270C	diphenylamine	µg/L	1.1	U	0.6	1.1	1.1	U	0.6	1.1	NC	Agreement	Use reporting limit	--
EPAMW14	AH04021	AH04022	09-Feb-04	EPA Method 8270C	fluoranthene	µg/L	1.1	U	0.6	1.1	1.1	U	0.6	1.1	NC	Agreement	Use reporting limit	--
EPAMW14	AH04021	AH04022	09-Feb-04	EPA Method 8270C	fluorene	µg/L	1.1	U	0.6	1.1	1.1	U	0.6	1.1	NC	Agreement	Use reporting limit	--
EPAMW14	AH04021	AH04022	09-Feb-04	EPA Method 8270C	hexachlorobenzene	µg/L	1.1	U	0.6	1.1	1.1	U	0.6	1.1	NC	Agreement	Use reporting limit	--
EPAMW14	AH04021	AH04022	09-Feb-04	EPA Method 8270C	hexachlorobutadiene	µg/L	1.1	U	0.6	1.1	1.1	U	0.6	1.1	NC	Agreement	Use reporting limit	--
EPAMW14	AH04021	AH04022	09-Feb-04	EPA Method 8270C	hexachlorocyclopentadiene	µg/L	0.6	UJ	0.6	1.1	0.6	UJ	0.6	1.1	NC	Agreement	Use reporting limit	--
EPAMW14	AH04021	AH04022	09-Feb-04	EPA Method 8270C	hexachloroethane	µg/L	1.1	U	0.6	1.1	1.1	U	0.6	1.1	NC	Agreement	Use reporting limit	--
EPAMW14	AH04021	AH04022	09-Feb-04	EPA Method 8270C	indeno(1,2,3-c,d)pyrene	µg/L	1.1	U	0.6	1.1	1.1	U	0.6	1.1	NC	Agreement	Use reporting limit	--
EPAMW14	AH04021	AH04022	09-Feb-04	EPA Method 8270C	isophorone	µg/L	1.1	U	0.6	1.1	1.1	U	0.6	1.1	NC	Agreement	Use reporting limit	--
EPAMW14	AH04021	AH04022	09-Feb-04	EPA Method 8270C	naphthalene	µg/L	1.1	U	0.6	1.1	1.1	U	0.6	1.1	NC	Agreement	Use reporting limit	--
EPAMW14	AH04021	AH04022	09-Feb-04	EPA Method 8270C	nitrobenzene	µg/L	1.1	U	0.6	1.1	1.1	U	0.6	1.1	NC	Agreement	Use reporting limit	--
EPAMW14	AH04021	AH04022	09-Feb-04	EPA Method 8270C	n-nitrosodi-n-propylamine	µg/L	1.1	U	0.6	1.1	1.1	U	0.6	1.1	NC	Agreement	Use reporting limit	--
EPAMW14	AH04021	AH04022	09-Feb-04	EPA Method 8270C	pentachlorophenol	µg/L	5.7	U	2.8	5.7	5.7	U	2.9	5.7	NC	Agreement	Use reporting limit	--
EPAMW14	AH04021	AH04022	09-Feb-04	EPA Method 8270C	phenanthrene	µg/L	1.1	U	0.6	1.1	1.1	U	0.6	1.1	NC	Agreement	Use reporting limit	--
EPAMW14	AH04021	AH04022	09-Feb-04	EPA Method 8270C	phenol	µg/L	5.7	U	2.8	5.7	5.7	U	2.9	5.7	NC	Agreement	Use reporting limit	--
EPAMW14	AH04021	AH04022	09-Feb-04	EPA Method 8270C	pyrene	µg/L	1.1	U	0.6	1.1	1.1	U	0.6	1.1	NC	Agreement	Use reporting limit	--
EPAMW14	AH04021	AH04022	09-Feb-04	EPA Method 524.2	1,1,1,2-tetrachloroethane	µg/L	1	U	0.5	1	1	U	0.5	1	NC	Agreement	Use reporting limit	--
EPAMW14	AH04021	AH04022	09-Feb-04	EPA Method 524.2	1,1,1-trichloroethane	µg/L	1	U	0.5	1	1	U	0.5	1	NC	Agreement	Use reporting limit	--
EPAMW14	AH04021	AH04022	09-Feb-04	EPA Method 524.2	1,1,2,2-tetrachloroethane	µg/L	1	U	0.5	1	1	U	0.5	1	NC	Agreement	Use reporting limit	--
EPAMW14	AH04021	AH04022	09-Feb-04	EPA Method 524.2	1,1,2-trichloro-1,2,2-trifluoroethane	µg/L	1	U	0.5	1	1	U	0.5	1	NC	Agreement	Use reporting limit	--
EPAMW14	AH04021	AH04022	09-Feb-04	EPA Method 524.2	1,1,2-trichloroethane	µg/L	1	U	0.5	1	1	U	0.5	1	NC	Agreement	Use reporting limit	--
EPAMW14	AH04021	AH04022	09-Feb-04	EPA Method 524.2	1,1-dichloroethane	µg/L	1	U	0.5	1	1	U	0.5	1	NC	Agreement	Use reporting limit	--
EPAMW14	AH04021	AH04022	09-Feb-04	EPA Method 524.2	1,1-dichloroethene	µg/L	1	U	0.5	1	1	U	0.5	1	NC	Agreement	Use reporting limit	--
EPAMW14	AH04021	AH04022	09-Feb-04	EPA Method 524.2	1,1-dichloropropene	µg/L	1	U	0.5	1	1	U	0.5	1	NC	Agreement	Use reporting limit	--
EPAMW14	AH04021	AH04022	09-Feb-04	EPA Method 524.2	1,2,3-trichlorobenzene	µg/L	1	U	0.5	1	1	U	0.5	1	NC	Agreement	Use reporting limit	--
EPAMW14	AH04021	AH04022	09-Feb-04	EPA Method 524.2	1,2,3-trichloropropane	µg/L	1	U	0.5	1	1	U	0.5	1	NC	Agreement	Use reporting limit	--

Notes:
[1]Relative percent difference calculated using the equation %RPD = ((N-D)/(N+D))/2.
[2]Table C-3 provides EPA's criteria for comparing field duplicate sample results.
[3]The reporting criteria for field duplicates are designed to ensure that the most conservative data set in terms of protection of human health and the environment.

D = Field Duplicate
N = Primary Sample
mg/L = milligram(s) per liter
µg/L = microgram(s) per liter
ng/L = nanogram(s) per liter
NC = RPD not calculated
RPD = relative percent difference
-- = comparison to criterion not required due to data agreement.

Qualifiers
J = Estimated Value
LJ = Estimated Value, Result May be Biased Low
R = Rejected
U = Non-Detect
UJ = Non-Detect Estimated Value
UR = Rejected Non-Detect

TABLE C-4
Field Duplicate Evaluation
Remedial Investigation
San Gabriel Valley Area 3 Superfund Site

Location	Parent Sample ID	Field Duplicate ID	Sample Date	Analysis Method	Parameter	Units	Parent Sample Results				Field Duplicate Results				RPD[1]	Conclusion[2]	Reporting Criteria[3]	Comparison to Evaluation Criterion in event of Disagreement or Major Disagreement
							Result	Q	DL	RL	Result	Q	DL	RL				
EPAMW14	AH04021	AH04022	09-Feb-04	EPA Method 524.2	1,2,4-trichlorobenzene	µg/L	1	U	0.5	1	1	U	0.5	1	NC	Agreement	Use reporting limit	--
EPAMW14	AH04021	AH04022	09-Feb-04	EPA Method 524.2	1,2,4-trimethylbenzene	µg/L	1	U	0.5	1	1	U	0.5	1	NC	Agreement	Use reporting limit	--
EPAMW14	AH04021	AH04022	09-Feb-04	EPA Method 524.2	1,2-dibromoethane	µg/L	1	U	0.5	1	1	U	0.5	1	NC	Agreement	Use reporting limit	--
EPAMW14	AH04021	AH04022	09-Feb-04	EPA Method 524.2	1,2-dichlorobenzene	µg/L	1	U	0.5	1	1	U	0.5	1	NC	Agreement	Use reporting limit	--
EPAMW14	AH04021	AH04022	09-Feb-04	EPA Method 524.2	1,2-dichloroethane	µg/L	0.5	U	0.2	0.5	0.5	U	0.2	0.5	NC	Agreement	Use reporting limit	--
EPAMW14	AH04021	AH04022	09-Feb-04	EPA Method 524.2	1,2-dichloropropane	µg/L	1	U	0.5	1	1	U	0.5	1	NC	Agreement	Use reporting limit	--
EPAMW14	AH04021	AH04022	09-Feb-04	EPA Method 524.2	1,3,5-trimethylbenzene	µg/L	1	U	0.5	1	1	U	0.5	1	NC	Agreement	Use reporting limit	--
EPAMW14	AH04021	AH04022	09-Feb-04	EPA Method 524.2	1,3-dichlorobenzene	µg/L	1	U	0.5	1	1	U	0.5	1	NC	Agreement	Use reporting limit	--
EPAMW14	AH04021	AH04022	09-Feb-04	EPA Method 524.2	1,3-dichloropropane	µg/L	1	U	0.5	1	1	U	0.5	1	NC	Agreement	Use reporting limit	--
EPAMW14	AH04021	AH04022	09-Feb-04	EPA Method 524.2	1,4-dichlorobenzene	µg/L	1	U	0.5	1	1	U	0.5	1	NC	Agreement	Use reporting limit	--
EPAMW14	AH04021	AH04022	09-Feb-04	EPA Method 524.2	2,2-dichloropropane	µg/L	1	U	0.5	1	1	U	0.5	1	NC	Agreement	Use reporting limit	--
EPAMW14	AH04021	AH04022	09-Feb-04	EPA Method 524.2	2-butanone	µg/L	4	UJ	2	4	**2.6**	**J**	2	4	NC	Agreement	Use positive result	--
EPAMW14	AH04021	AH04022	09-Feb-04	EPA Method 524.2	2-chlorotoluene	µg/L	1	U	0.5	1	1	U	0.5	1	NC	Agreement	Use reporting limit	--
EPAMW14	AH04021	AH04022	09-Feb-04	EPA Method 524.2	4-chlorotoluene	µg/L	1	U	0.5	1	1	U	0.5	1	NC	Agreement	Use reporting limit	--
EPAMW14	AH04021	AH04022	09-Feb-04	EPA Method 524.2	acetone	µg/L	4	U	2	4	4	U	2	4	NC	Agreement	Use reporting limit	--
EPAMW14	AH04021	AH04022	09-Feb-04	EPA Method 524.2	bromodichloromethane	µg/L	1	U	0.5	1	1	U	0.5	1	NC	Agreement	Use reporting limit	--
EPAMW14	AH04021	AH04022	09-Feb-04	EPA Method 524.2	bromomethane	µg/L	1	U	0.5	1	1	U	0.5	1	NC	Agreement	Use reporting limit	--
EPAMW14	AH04021	AH04022	09-Feb-04	EPA Method 524.2	butylbenzene (total)	µg/L	1	U	0.5	1	1	U	0.5	1	NC	Agreement	Use reporting limit	--
EPAMW14	AH04021	AH04022	09-Feb-04	EPA Method 524.2	carbon disulfide	µg/L	1	U	0.5	1	1	U	0.5	1	NC	Agreement	Use reporting limit	--
EPAMW14	AH04021	AH04022	09-Feb-04	EPA Method 524.2	carbon tetrachloride	µg/L	0.5	U	0.2	0.5	0.5	U	0.2	0.5	NC	Agreement	Use reporting limit	--
EPAMW14	AH04021	AH04022	09-Feb-04	EPA Method 524.2	chlorobenzene	µg/L	1	U	0.5	1	1	U	0.5	1	NC	Agreement	Use reporting limit	--
EPAMW14	AH04021	AH04022	09-Feb-04	EPA Method 524.2	chloroethane	µg/L	1	U	0.5	1	1	U	0.5	1	NC	Agreement	Use reporting limit	--
EPAMW14	AH04021	AH04022	09-Feb-04	EPA Method 524.2	chloroform	µg/L	1	U	0.5	1	1	U	0.5	1	NC	Agreement	Use reporting limit	--
EPAMW14	AH04021	AH04022	09-Feb-04	EPA Method 524.2	chloromethane	µg/L	**1.8**		0.5	1	**3.4**		0.5	1	**61.5%**	Disagreement	Use higher concentration	Evaluation criterion not established
EPAMW14	AH04021	AH04022	09-Feb-04	EPA Method 524.2	cis-1,2-dichloroethene	µg/L	**3.6**		0.5	1	**5.9**		0.5	1	**48.4%**	Disagreement	Use higher concentration	Both concentrations do not exceed MCL
EPAMW14	AH04021	AH04022	09-Feb-04	EPA Method 524.2	cis-1,3-dichloropropene	µg/L	0.2	UJ	0.2	0.5	0.2	UJ	0.2	0.5	NC	Agreement	Use reporting limit	--
EPAMW14	AH04021	AH04022	09-Feb-04	EPA Method 524.2	dibromochloromethane	µg/L	1	U	0.5	1	1	U	0.5	1	NC	Agreement	Use reporting limit	--
EPAMW14	AH04021	AH04022	09-Feb-04	EPA Method 524.2	dibromochloropropane	µg/L	1	UJ	1	2	1	UJ	1	2	NC	Agreement	Use reporting limit	--
EPAMW14	AH04021	AH04022	09-Feb-04	EPA Method 524.2	dibromomethane	µg/L	1	U	0.5	1	1	U	0.5	1	NC	Agreement	Use reporting limit	--
EPAMW14	AH04021	AH04022	09-Feb-04	EPA Method 524.2	dichlorodifluoromethane	µg/L	**0.8**	**J**	0.5	1	**1.4**	**J**	0.5	1	**54.5%**	Disagreement	Use higher concentration	Both concentrations do not exceed NL
EPAMW14	AH04021	AH04022	09-Feb-04	EPA Method 524.2	ethylbenzene	µg/L	1	U	0.5	1	1	U	0.5	1	NC	Agreement	Use reporting limit	--
EPAMW14	AH04021	AH04022	09-Feb-04	EPA Method 524.2	hexachlorobutadiene	µg/L	1	U	0.5	1	1	U	0.5	1	NC	Agreement	Use reporting limit	--
EPAMW14	AH04021	AH04022	09-Feb-04	EPA Method 524.2	isopropylbenzene	µg/L	1	U	0.5	1	1	U	0.5	1	NC	Agreement	Use reporting limit	--
EPAMW14	AH04021	AH04022	09-Feb-04	EPA Method 524.2	m,p-xylene	µg/L	1	U	0.5	1	1	U	0.5	1	NC	Agreement	Use reporting limit	--
EPAMW14	AH04021	AH04022	09-Feb-04	EPA Method 524.2	methyl tert-butyl ether	µg/L	1	U	0.5	1	1	U	0.5	1	NC	Agreement	Use reporting limit	--
EPAMW14	AH04021	AH04022	09-Feb-04	EPA Method 524.2	methylene chloride	µg/L	1	U	0.5	1	1	U	0.5	1	NC	Agreement	Use reporting limit	--
EPAMW14	AH04021	AH04022	09-Feb-04	EPA Method 524.2	naphthalene	µg/L	0.5	UJ	0.5	1	0.5	UJ	0.5	1	NC	Agreement	Use reporting limit	--
EPAMW14	AH04021	AH04022	09-Feb-04	EPA Method 524.2	n-propylbenzene	µg/L	1	U	0.5	1	1	U	0.5	1	NC	Agreement	Use reporting limit	--
EPAMW14	AH04021	AH04022	09-Feb-04	EPA Method 524.2	p-isopropyltoluene	µg/L	1	U	0.5	1	1	U	0.5	1	NC	Agreement	Use reporting limit	--
EPAMW14	AH04021	AH04022	09-Feb-04	EPA Method 524.2	sec-butylbenzene	µg/L	1	U	0.5	1	1	U	0.5	1	NC	Agreement	Use reporting limit	--
EPAMW14	AH04021	AH04022	09-Feb-04	EPA Method 524.2	styrene	µg/L	1	U	0.5	1	1	U	0.5	1	NC	Agreement	Use reporting limit	--

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Qualifiers
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LJ = Estimated Value, Result May be Biased Low
R = Rejected
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UJ = Non-Detect Estimated Value
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							Result	Q	DL	RL	Result	Q	DL	RL				
EPAMW14	AH04021	AH04022	09-Feb-04	EPA Method 524.2	tert-butyl alcohol	µg/L	20	U	10	20	20	U	10	20	NC	Agreement	Use reporting limit	--
EPAMW14	AH04021	AH04022	09-Feb-04	EPA Method 524.2	tert-butylbenzene	µg/L	1	U	0.5	1	1	U	0.5	1	NC	Agreement	Use reporting limit	--
EPAMW14	AH04021	AH04022	09-Feb-04	EPA Method 524.2	tetrachloroethene	µg/L	**0.5**	**J**	0.5	1	**0.9**	**J**	0.5	1	**57.1%**	Disagreement	Use higher concentration	Both concentrations do not exceed MCL
EPAMW14	AH04021	AH04022	09-Feb-04	EPA Method 524.2	toluene	µg/L	1	U	0.5	1	1	U	0.5	1	NC	Agreement	Use reporting limit	--
EPAMW14	AH04021	AH04022	09-Feb-04	EPA Method 524.2	trans-1,2-dichloroethene	µg/L	1	U	0.5	1	1	U	0.5	1	NC	Agreement	Use reporting limit	--
EPAMW14	AH04021	AH04022	09-Feb-04	EPA Method 524.2	trans-1,3-dichloropropene	µg/L	0.2	UJ	0.2	0.5	0.2	UJ	0.2	0.5	NC	Agreement	Use reporting limit	--
EPAMW14	AH04021	AH04022	09-Feb-04	EPA Method 524.2	trichlorofluoromethane	µg/L	1	U	0.5	1	1	U	0.5	1	NC	Agreement	Use reporting limit	--
EPAMW14	AH04021	AH04022	09-Feb-04	EPA Method 524.2	vinyl chloride	µg/L	0.5	U	0.2	0.5	0.5	U	0.2	0.5	NC	Agreement	Use reporting limit	--
EPAMW14	AH04021	AH04022	09-Feb-04	EPA Method 300.0	nitrate (as n)	mg/L	**9.7**		0.05	0.1	**9.7**		0.05	0.1	**0.0%**	Agreement	Use detected concentration	--
EPAMW14	AH04021	AH04022	09-Feb-04	524.2M SIM	1,2,3-trichloropropane	NG/L	5	U	5	0.73	5	U	5	0.73	NC	Agreement	Use reporting limit	--
EPAMW14	AH04021	AH04022	09-Feb-04	PA Method 607/1625M-NDM	n-nitrosodimethylamine	µg/L	**0.000589**	**J**	0.002		**0.00101**	**J**	0.002		**52.7%**	Disagreement	Use higher concentration	Both concentrations do not exceed NL
EPAMW14	AH04109	AH04110	21-May-04	EPA Method 524.2	1,1,1,2-tetrachloroethane	µg/L	1	U		1	1	U		1	NC	Agreement	Use reporting limit	--
EPAMW14	AH04109	AH04110	21-May-04	EPA Method 524.2	1,1,1-trichloroethane	µg/L	1	U		1	1	U		1	NC	Agreement	Use reporting limit	--
EPAMW14	AH04109	AH04110	21-May-04	EPA Method 524.2	1,1,2,2-tetrachloroethane	µg/L	1	U		1	1	U		1	NC	Agreement	Use reporting limit	--
EPAMW14	AH04109	AH04110	21-May-04	EPA Method 524.2	1,1,2-trichloro-1,2,2-trifluoroethane	µg/L	1	U		1	1	U		1	NC	Agreement	Use reporting limit	--
EPAMW14	AH04109	AH04110	21-May-04	EPA Method 524.2	1,1,2-trichloroethane	µg/L	1	U		1	1	U		1	NC	Agreement	Use reporting limit	--
EPAMW14	AH04109	AH04110	21-May-04	EPA Method 524.2	1,1-dichloroethane	µg/L	1	U		1	1	U		1	NC	Agreement	Use reporting limit	--
EPAMW14	AH04109	AH04110	21-May-04	EPA Method 524.2	1,1-dichloroethene	µg/L	**0.5**	**J**		1	**0.6**	**J**		1	**18.2%**	Agreement	Use higher concentration	--
EPAMW14	AH04109	AH04110	21-May-04	EPA Method 524.2	1,1-dichloropropene	µg/L	1	U		1	1	U		1	NC	Agreement	Use reporting limit	--
EPAMW14	AH04109	AH04110	21-May-04	EPA Method 524.2	1,2,3-trichlorobenzene	µg/L	1	U		1	1	U		1	NC	Agreement	Use reporting limit	--
EPAMW14	AH04109	AH04110	21-May-04	EPA Method 524.2	1,2,3-trichloropropane	µg/L	1	U		1	1	U		1	NC	Agreement	Use reporting limit	--
EPAMW14	AH04109	AH04110	21-May-04	EPA Method 524.2	1,2,4-trichlorobenzene	µg/L	1	U		1	1	U		1	NC	Agreement	Use reporting limit	--
EPAMW14	AH04109	AH04110	21-May-04	EPA Method 524.2	1,2,4-trimethylbenzene	µg/L	1	U		1	1	U		1	NC	Agreement	Use reporting limit	--
EPAMW14	AH04109	AH04110	21-May-04	EPA Method 524.2	1,2-dibromoethane	µg/L	1	U		1	1	U		1	NC	Agreement	Use reporting limit	--
EPAMW14	AH04109	AH04110	21-May-04	EPA Method 524.2	1,2-dichlorobenzene	µg/L	1	U		1	1	U		1	NC	Agreement	Use reporting limit	--
EPAMW14	AH04109	AH04110	21-May-04	EPA Method 524.2	1,2-dichloroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	AH04109	AH04110	21-May-04	EPA Method 524.2	1,2-dichloropropane	µg/L	1	U		1	1	U		1	NC	Agreement	Use reporting limit	--
EPAMW14	AH04109	AH04110	21-May-04	EPA Method 524.2	1,3,5-trimethylbenzene	µg/L	1	U		1	1	U		1	NC	Agreement	Use reporting limit	--
EPAMW14	AH04109	AH04110	21-May-04	EPA Method 524.2	1,3-dichlorobenzene	µg/L	1	U		1	1	U		1	NC	Agreement	Use reporting limit	--
EPAMW14	AH04109	AH04110	21-May-04	EPA Method 524.2	1,3-dichloropropane	µg/L	1	U		1	1	U		1	NC	Agreement	Use reporting limit	--
EPAMW14	AH04109	AH04110	21-May-04	EPA Method 524.2	1,4-dichlorobenzene	µg/L	1	U		1	1	U		1	NC	Agreement	Use reporting limit	--
EPAMW14	AH04109	AH04110	21-May-04	EPA Method 524.2	2,2-dichloropropane	µg/L	1	U		1	1	U		1	NC	Agreement	Use reporting limit	--
EPAMW14	AH04109	AH04110	21-May-04	EPA Method 524.2	2-butanone	µg/L	4	U		4	4	U		4	NC	Agreement	Use reporting limit	--
EPAMW14	AH04109	AH04110	21-May-04	EPA Method 524.2	2-chlorotoluene	µg/L	1	U		1	1	U		1	NC	Agreement	Use reporting limit	--
EPAMW14	AH04109	AH04110	21-May-04	EPA Method 524.2	4-chlorotoluene	µg/L	1	U		1	1	U		1	NC	Agreement	Use reporting limit	--
EPAMW14	AH04109	AH04110	21-May-04	EPA Method 524.2	4-methyl-2-pentanone	µg/L	4	U		4	4	U		4	NC	Agreement	Use reporting limit	--
EPAMW14	AH04109	AH04110	21-May-04	EPA Method 524.2	acetone	µg/L	4	UJ		4	4	UJ		4	NC	Agreement	Use reporting limit	--
EPAMW14	AH04109	AH04110	21-May-04	EPA Method 524.2	benzene	µg/L	1	U		1	1	U		1	NC	Agreement	Use reporting limit	--
EPAMW14	AH04109	AH04110	21-May-04	EPA Method 524.2	bromobenzene	µg/L	1	U		1	1	U		1	NC	Agreement	Use reporting limit	--
EPAMW14	AH04109	AH04110	21-May-04	EPA Method 524.2	bromochloromethane	µg/L	1	U		1	1	U		1	NC	Agreement	Use reporting limit	--
EPAMW14	AH04109	AH04110	21-May-04	EPA Method 524.2	bromodichloromethane	µg/L	1	U		1	1	U		1	NC	Agreement	Use reporting limit	--

Notes:
[1]Relative percent difference calculated using the equation %RPD = ((N-D)/(N+D))/2.
[2]Table C-3 provides EPA's criteria for comparing field duplicate sample results.
[3]The reporting criteria for field duplicates are designed to ensure that the most conservative data set in terms of protection of human health and the environment.

D = Field Duplicate
N = Primary Sample
mg/L = milligram(s) per liter
µg/L = microgram(s) per liter
ng/L = nanogram(s) per liter
NC = RPD not calculated
RPD = relative percent difference
-- = comparison to criterion not required due to data agreement.

Qualifiers
J = Estimated Value
LJ = Estimated Value, Result May be Biased Low
R = Rejected
U = Non-Detect
UJ = Non-Detect Estimated Value
UR = Rejected Non-Detect

Location	Parent Sample ID	Field Duplicate ID	Sample Date	Analysis Method	Parameter	Units	Parent Sample Results				Field Duplicate Results				RPD[1]	Conclusion[2]	Reporting Criteria[3]	Comparison to Evaluation Criterion in event of Disagreement or Major Disagreement
							Result	Q	DL	RL	Result	Q	DL	RL				
EPAMW14	AH04109	AH04110	21-May-04	EPA Method 524.2	bromoform	µg/L	1	U		1	1	U		1	NC	Agreement	Use reporting limit	--
EPAMW14	AH04109	AH04110	21-May-04	EPA Method 524.2	bromomethane	µg/L	1	U		1	1	U		1	NC	Agreement	Use reporting limit	--
EPAMW14	AH04109	AH04110	21-May-04	EPA Method 524.2	butylbenzene (total)	µg/L	1	U		1	1	U		1	NC	Agreement	Use reporting limit	--
EPAMW14	AH04109	AH04110	21-May-04	EPA Method 524.2	carbon disulfide	µg/L	1	U		1	1	U		1	NC	Agreement	Use reporting limit	--
EPAMW14	AH04109	AH04110	21-May-04	EPA Method 524.2	carbon tetrachloride	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	AH04109	AH04110	21-May-04	EPA Method 524.2	chlorobenzene	µg/L	1	U		1	1	U		1	NC	Agreement	Use reporting limit	--
EPAMW14	AH04109	AH04110	21-May-04	EPA Method 524.2	chloroethane	µg/L	1	U		1	1	U		1	NC	Agreement	Use reporting limit	--
EPAMW14	AH04109	AH04110	21-May-04	EPA Method 524.2	chloroform	µg/L	1	U		1	1	U		1	NC	Agreement	Use reporting limit	--
EPAMW14	AH04109	AH04110	21-May-04	EPA Method 524.2	chloromethane	µg/L	**1.5**			1	1	U		1	NC	Agreement	Use reporting limit	--
EPAMW14	AH04109	AH04110	21-May-04	EPA Method 524.2	cis-1,2-dichloroethene	µg/L	**6.9**			1	**8.6**			1	**21.9%**	Agreement	Use higher concentration	--
EPAMW14	AH04109	AH04110	21-May-04	EPA Method 524.2	cis-1,3-dichloropropene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	AH04109	AH04110	21-May-04	EPA Method 524.2	dibromochloromethane	µg/L	1	U		1	1	U		1	NC	Agreement	Use reporting limit	--
EPAMW14	AH04109	AH04110	21-May-04	EPA Method 524.2	dibromochloropropane	µg/L	1	U		1	1	U		1	NC	Agreement	Use reporting limit	--
EPAMW14	AH04109	AH04110	21-May-04	EPA Method 524.2	dibromomethane	µg/L	1	U		1	1	U		1	NC	Agreement	Use reporting limit	--
EPAMW14	AH04109	AH04110	21-May-04	EPA Method 524.2	dichlorodifluoromethane	µg/L	1	U		1	1	U		1	NC	Agreement	Use reporting limit	--
EPAMW14	AH04109	AH04110	21-May-04	EPA Method 524.2	ethylbenzene	µg/L	1	U		1	1	U		1	NC	Agreement	Use reporting limit	--
EPAMW14	AH04109	AH04110	21-May-04	EPA Method 524.2	hexachlorobutadiene	µg/L	1	U		1	1	U		1	NC	Agreement	Use reporting limit	--
EPAMW14	AH04109	AH04110	21-May-04	EPA Method 524.2	isopropylbenzene	µg/L	1	U		1	1	U		1	NC	Agreement	Use reporting limit	--
EPAMW14	AH04109	AH04110	21-May-04	EPA Method 524.2	m,p-xylene	µg/L	1	U		1	1	U		1	NC	Agreement	Use reporting limit	--
EPAMW14	AH04109	AH04110	21-May-04	EPA Method 524.2	methyl tert-butyl ether	µg/L	1	U		1	1	U		1	NC	Agreement	Use reporting limit	--
EPAMW14	AH04109	AH04110	21-May-04	EPA Method 524.2	methylene chloride	µg/L	1	U		1	1	U		1	NC	Agreement	Use reporting limit	--
EPAMW14	AH04109	AH04110	21-May-04	EPA Method 524.2	naphthalene	µg/L	1	U		1	1	U		1	NC	Agreement	Use reporting limit	--
EPAMW14	AH04109	AH04110	21-May-04	EPA Method 524.2	n-propylbenzene	µg/L	1	U		1	1	U		1	NC	Agreement	Use reporting limit	--
EPAMW14	AH04109	AH04110	21-May-04	EPA Method 524.2	o-xylene	µg/L	1	U		1	1	U		1	NC	Agreement	Use reporting limit	--
EPAMW14	AH04109	AH04110	21-May-04	EPA Method 524.2	p-isopropyltoluene	µg/L	1	U		1	1	U		1	NC	Agreement	Use reporting limit	--
EPAMW14	AH04109	AH04110	21-May-04	EPA Method 524.2	sec-butylbenzene	µg/L	1	U		1	1	U		1	NC	Agreement	Use reporting limit	--
EPAMW14	AH04109	AH04110	21-May-04	EPA Method 524.2	styrene	µg/L	1	U		1	1	U		1	NC	Agreement	Use reporting limit	--
EPAMW14	AH04109	AH04110	21-May-04	EPA Method 524.2	tert-butyl alcohol	µg/L	20	U		20	20	U		20	NC	Agreement	Use reporting limit	--
EPAMW14	AH04109	AH04110	21-May-04	EPA Method 524.2	tert-butylbenzene	µg/L	1	U		1	1	U		1	NC	Agreement	Use reporting limit	--
EPAMW14	AH04109	AH04110	21-May-04	EPA Method 524.2	tetrachloroethene	µg/L	**0.8**	**J**		1	**1**			1	**22.2%**	Agreement	Use higher concentration	--
EPAMW14	AH04109	AH04110	21-May-04	EPA Method 524.2	toluene	µg/L	1	U		1	1	U		1	NC	Agreement	Use reporting limit	--
EPAMW14	AH04109	AH04110	21-May-04	EPA Method 524.2	trans-1,2-dichloroethene	µg/L	1	U		1	1	U		1	NC	Agreement	Use reporting limit	--
EPAMW14	AH04109	AH04110	21-May-04	EPA Method 524.2	trans-1,3-dichloropropene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	AH04109	AH04110	21-May-04	EPA Method 524.2	trichloroethene	µg/L	**42**			1	**46**			2.5	**9.1%**	Agreement	Use higher concentration	--
EPAMW14	AH04109	AH04110	21-May-04	EPA Method 524.2	trichlorofluoromethane	µg/L	1	U		1	1	U		1	NC	Agreement	Use reporting limit	--
EPAMW14	AH04109	AH04110	21-May-04	EPA Method 524.2	vinyl chloride	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y1P22	Y1P23	16-Feb-05	Volatile Organics (CLP)	1,1,1-trichloroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y1P22	Y1P23	16-Feb-05	Volatile Organics (CLP)	1,1,2,2-tetrachloroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y1P22	Y1P23	16-Feb-05	Volatile Organics (CLP)	1,1,2-trichloro-1,2,2-trifluoroethane	µg/L	0.5	UJ		0.5	0.5	UJ		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y1P22	Y1P23	16-Feb-05	Volatile Organics (CLP)	1,1,2-trichloroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y1P22	Y1P23	16-Feb-05	Volatile Organics (CLP)	1,1-dichloroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--

Notes:

[1]Relative percent difference calculated using the equation %RPD = ((N-D)/(N+D))/2.

[2]Table C-3 provides EPA's criteria for comparing field duplicate sample results.

[3]The reporting criteria for field duplicates are designed to ensure that the most conservative data set in terms of protection of human health and the environment.

D = Field Duplicate
N = Primary Sample
mg/L = milligram(s) per liter
µg/L = microgram(s) per liter
ng/L = nanogram(s) per liter
NC = RPD not calculated
RPD = relative percent difference
-- = comparison to criterion not required due to data agreement.

Qualifiers
J = Estimated Value
LJ = Estimated Value, Result May be Biased Low
R = Rejected
U = Non-Detect
UJ = Non-Detect Estimated Value
UR = Rejected Non-Detect

TABLE C-4
Field Duplicate Evaluation
Remedial Investigation
San Gabriel Valley Area 3 Superfund Site

Location	Parent Sample ID	Field Duplicate ID	Sample Date	Analysis Method	Parameter	Units	Parent Sample Results				Field Duplicate Results				RPD[1]	Conclusion[2]	Reporting Criteria[3]	Comparison to Evaluation Criterion in event of Disagreement or Major Disagreement
							Result	Q	DL	RL	Result	Q	DL	RL				
EPAMW14	Y1P22	Y1P23	16-Feb-05	Volatile Organics (CLP)	1,1-dichloroethene	µg/L	0.5	UJ		0.5	**0.1**	**LJ**			NC	Agreement	Use reporting limit	--
EPAMW14	Y1P22	Y1P23	16-Feb-05	Volatile Organics (CLP)	1,2,3-trichlorobenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y1P22	Y1P23	16-Feb-05	Volatile Organics (CLP)	1,2,4-trichlorobenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y1P22	Y1P23	16-Feb-05	Volatile Organics (CLP)	1,2-dibromoethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y1P22	Y1P23	16-Feb-05	Volatile Organics (CLP)	1,2-dichlorobenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y1P22	Y1P23	16-Feb-05	Volatile Organics (CLP)	1,2-dichloroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y1P22	Y1P23	16-Feb-05	Volatile Organics (CLP)	1,2-dichloropropane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y1P22	Y1P23	16-Feb-05	Volatile Organics (CLP)	1,3-dichlorobenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y1P22	Y1P23	16-Feb-05	Volatile Organics (CLP)	1,4-dichlorobenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y1P22	Y1P23	16-Feb-05	Volatile Organics (CLP)	2-butanone	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW14	Y1P22	Y1P23	16-Feb-05	Volatile Organics (CLP)	2-hexanone	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW14	Y1P22	Y1P23	16-Feb-05	Volatile Organics (CLP)	4-methyl-2-pentanone	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW14	Y1P22	Y1P23	16-Feb-05	Volatile Organics (CLP)	acetone	µg/L	5	UJ		5	5	UJ		5	NC	Agreement	Use reporting limit	--
EPAMW14	Y1P22	Y1P23	16-Feb-05	Volatile Organics (CLP)	benzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y1P22	Y1P23	16-Feb-05	Volatile Organics (CLP)	bromochloromethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y1P22	Y1P23	16-Feb-05	Volatile Organics (CLP)	bromodichloromethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y1P22	Y1P23	16-Feb-05	Volatile Organics (CLP)	bromoform	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y1P22	Y1P23	16-Feb-05	Volatile Organics (CLP)	bromomethane	µg/L	0.5	UJ		0.5	0.5	UJ		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y1P22	Y1P23	16-Feb-05	Volatile Organics (CLP)	carbon disulfide	µg/L	**0.15**	**LJ**		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y1P22	Y1P23	16-Feb-05	Volatile Organics (CLP)	carbon tetrachloride	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y1P22	Y1P23	16-Feb-05	Volatile Organics (CLP)	chlorobenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y1P22	Y1P23	16-Feb-05	Volatile Organics (CLP)	chloroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y1P22	Y1P23	16-Feb-05	Volatile Organics (CLP)	chloroform	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y1P22	Y1P23	16-Feb-05	Volatile Organics (CLP)	chloromethane	µg/L	0.5	UJ		0.5	0.5	UJ		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y1P22	Y1P23	16-Feb-05	Volatile Organics (CLP)	cis-1,2-dichloroethene	µg/L	**0.31**	**LJ**		0.5	**0.38**	**LJ**		0.5	**20.3%**	Agreement	Use higher concentration	--
EPAMW14	Y1P22	Y1P23	16-Feb-05	Volatile Organics (CLP)	cis-1,3-dichloropropene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y1P22	Y1P23	16-Feb-05	Volatile Organics (CLP)	cyclohexane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y1P22	Y1P23	16-Feb-05	Volatile Organics (CLP)	dibromochloromethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y1P22	Y1P23	16-Feb-05	Volatile Organics (CLP)	dibromochloropropane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y1P22	Y1P23	16-Feb-05	Volatile Organics (CLP)	dichlorodifluoromethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y1P22	Y1P23	16-Feb-05	Volatile Organics (CLP)	ethylbenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y1P22	Y1P23	16-Feb-05	Volatile Organics (CLP)	isopropylbenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y1P22	Y1P23	16-Feb-05	Volatile Organics (CLP)	methyl ester acetic acid	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y1P22	Y1P23	16-Feb-05	Volatile Organics (CLP)	methyl tert-butyl ether	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y1P22	Y1P23	16-Feb-05	Volatile Organics (CLP)	methylcyclohexane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y1P22	Y1P23	16-Feb-05	Volatile Organics (CLP)	methylene chloride	µg/L	**0.16**	**LJ**		0.5	**0.13**	**LJ**		0.5	**20.7%**	Agreement	Use higher concentration	--
EPAMW14	Y1P22	Y1P23	16-Feb-05	Volatile Organics (CLP)	styrene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y1P22	Y1P23	16-Feb-05	Volatile Organics (CLP)	tert-butyl alcohol	µg/L	5	UJ		5	5	UJ		5	NC	Agreement	Use reporting limit	--
EPAMW14	Y1P22	Y1P23	16-Feb-05	Volatile Organics (CLP)	tetrachloroethene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y1P22	Y1P23	16-Feb-05	Volatile Organics (CLP)	toluene	µg/L	**0.12**	**LJ**			**0.12**	**LJ**			**0.0%**	Agreement	Use detected concentration	--
EPAMW14	Y1P22	Y1P23	16-Feb-05	Volatile Organics (CLP)	total xylenes	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--

Notes:
[1]Relative percent difference calculated using the equation %RPD = ((N-D)/(N+D))/2.
[2]Table C-3 provides EPA's criteria for comparing field duplicate sample results.
[3]The reporting criteria for field duplicates are designed to ensure that the most conservative data set in terms of protection of human health and the environment.

D = Field Duplicate
N = Primary Sample
mg/L = milligram(s) per liter
µg/L = microgram(s) per liter
ng/L = nanogram(s) per liter
NC = RPD not calculated
RPD = relative percent difference
-- = comparison to criterion not required due to data agreement.

Qualifiers
J = Estimated Value
LJ = Estimated Value, Result May be Biased Low
R = Rejected
U = Non-Detect
UJ = Non-Detect Estimated Value
UR = Rejected Non-Detect

Location	Parent Sample ID	Field Duplicate ID	Sample Date	Analysis Method	Parameter	Units	Parent Sample Results				Field Duplicate Results				RPD[1]	Conclusion[2]	Reporting Criteria[3]	Comparison to Evaluation Criterion in event of Disagreement or Major Disagreement
							Result	Q	DL	RL	Result	Q	DL	RL				
EPAMW14	Y1P22	Y1P23	16-Feb-05	Volatile Organics (CLP)	trans-1,2-dichloroethene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y1P22	Y1P23	16-Feb-05	Volatile Organics (CLP)	trans-1,3-dichloropropene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y1P22	Y1P23	16-Feb-05	Volatile Organics (CLP)	trichloroethene	µg/L	**1.5**				**1.7**				**12.5%**	Agreement	Use higher concentration	--
EPAMW14	Y1P22	Y1P23	16-Feb-05	Volatile Organics (CLP)	trichlorofluoromethane	µg/L	0.5	UJ		0.5	0.5	UJ		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y1P22	Y1P23	16-Feb-05	Volatile Organics (CLP)	vinyl chloride	µg/L	0.5	UJ		0.5	0.5	UJ		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y1X92	Y1X93	17-May-05	Volatile Organics (CLP)	1,1,1-trichloroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y1X92	Y1X93	17-May-05	Volatile Organics (CLP)	1,1,2,2-tetrachloroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y1X92	Y1X93	17-May-05	Volatile Organics (CLP)	1,1,2-trichloro-1,2,2-trifluoroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y1X92	Y1X93	17-May-05	Volatile Organics (CLP)	1,1,2-trichloroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y1X92	Y1X93	17-May-05	Volatile Organics (CLP)	1,1-dichloroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y1X92	Y1X93	17-May-05	Volatile Organics (CLP)	1,1-dichloroethene	µg/L	**0.13**	**LJ**			0.5	U		0.5	NC	Agreement	Use positive result	--
EPAMW14	Y1X92	Y1X93	17-May-05	Volatile Organics (CLP)	1,2,3-trichlorobenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y1X92	Y1X93	17-May-05	Volatile Organics (CLP)	1,2,4-trichlorobenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y1X92	Y1X93	17-May-05	Volatile Organics (CLP)	1,2-dibromoethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y1X92	Y1X93	17-May-05	Volatile Organics (CLP)	1,2-dichlorobenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y1X92	Y1X93	17-May-05	Volatile Organics (CLP)	1,2-dichloroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y1X92	Y1X93	17-May-05	Volatile Organics (CLP)	1,2-dichloropropane	µg/L	0.5	UJ		0.5	0.5	UJ		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y1X92	Y1X93	17-May-05	Volatile Organics (CLP)	1,3-dichlorobenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y1X92	Y1X93	17-May-05	Volatile Organics (CLP)	1,4-dichlorobenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y1X92	Y1X93	17-May-05	Volatile Organics (CLP)	2-butanone	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW14	Y1X92	Y1X93	17-May-05	Volatile Organics (CLP)	2-hexanone	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW14	Y1X92	Y1X93	17-May-05	Volatile Organics (CLP)	4-methyl-2-pentanone	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW14	Y1X92	Y1X93	17-May-05	Volatile Organics (CLP)	acetone	µg/L	5	UJ		5	5	UJ		5	NC	Agreement	Use reporting limit	--
EPAMW14	Y1X92	Y1X93	17-May-05	Volatile Organics (CLP)	benzene	µg/L	**0.12**	**LJ**			**0.11**	**LJ**			**8.7%**	Agreement	Use higher concentration	--
EPAMW14	Y1X92	Y1X93	17-May-05	Volatile Organics (CLP)	bromochloromethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y1X92	Y1X93	17-May-05	Volatile Organics (CLP)	bromodichloromethane	µg/L	0.5	UJ		0.5	0.5	UJ		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y1X92	Y1X93	17-May-05	Volatile Organics (CLP)	bromoform	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y1X92	Y1X93	17-May-05	Volatile Organics (CLP)	bromomethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y1X92	Y1X93	17-May-05	Volatile Organics (CLP)	carbon disulfide	µg/L	**0.18**	**LJ**			**0.14**	**LJ**			**25.0%**	Agreement	Use higher concentration	--
EPAMW14	Y1X92	Y1X93	17-May-05	Volatile Organics (CLP)	carbon tetrachloride	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y1X92	Y1X93	17-May-05	Volatile Organics (CLP)	chlorobenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y1X92	Y1X93	17-May-05	Volatile Organics (CLP)	chloroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y1X92	Y1X93	17-May-05	Volatile Organics (CLP)	chloroform	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y1X92	Y1X93	17-May-05	Volatile Organics (CLP)	chloromethane	µg/L	**0.11**	**LJ**			0.5	U		0.5	NC	Agreement	Use positive result	--
EPAMW14	Y1X92	Y1X93	17-May-05	Volatile Organics (CLP)	cis-1,2-dichloroethene	µg/L	**0.34**	**LJ**			**0.32**	**LJ**			**6.1%**	Agreement	Use higher concentration	--
EPAMW14	Y1X92	Y1X93	17-May-05	Volatile Organics (CLP)	cis-1,3-dichloropropene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y1X92	Y1X93	17-May-05	Volatile Organics (CLP)	cyclohexane	µg/L	0.5	UJ		0.5	0.5	UJ		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y1X92	Y1X93	17-May-05	Volatile Organics (CLP)	dibromochloromethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y1X92	Y1X93	17-May-05	Volatile Organics (CLP)	dibromochloropropane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y1X92	Y1X93	17-May-05	Volatile Organics (CLP)	dichlorodifluoromethane	µg/L	0.5	UJ			0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y1X92	Y1X93	17-May-05	Volatile Organics (CLP)	ethylbenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--

Notes:
[1]Relative percent difference calculated using the equation %RPD = ((N-D)/(N+D))/2.
[2]Table C-3 provides EPA's criteria for comparing field duplicate sample results.
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Location	Parent Sample ID	Field Duplicate ID	Sample Date	Analysis Method	Parameter	Units	Parent Sample Results				Field Duplicate Results				RPD[1]	Conclusion[2]	Reporting Criteria[3]	Comparison to Evaluation Criterion in event of Disagreement or Major Disagreement
							Result	Q	DL	RL	Result	Q	DL	RL				
EPAMW14	Y1X92	Y1X93	17-May-05	Volatile Organics (CLP)	isopropylbenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y1X92	Y1X93	17-May-05	Volatile Organics (CLP)	methyl ester acetic acid	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y1X92	Y1X93	17-May-05	Volatile Organics (CLP)	methyl tert-butyl ether	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y1X92	Y1X93	17-May-05	Volatile Organics (CLP)	methylcyclohexane	µg/L	0.5	UJ		0.5	0.5	UJ		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y1X92	Y1X93	17-May-05	Volatile Organics (CLP)	methylene chloride	µg/L	0.5	UJ			0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y1X92	Y1X93	17-May-05	Volatile Organics (CLP)	styrene	µg/L	**0.11**	**LJ**			0.5	U		0.5	NC	Agreement	Use positive result	--
EPAMW14	Y1X92	Y1X93	17-May-05	Volatile Organics (CLP)	tert-butyl alcohol	µg/L	5	UJ		5	5	UJ		5	NC	Agreement	Use reporting limit	--
EPAMW14	Y1X92	Y1X93	17-May-05	Volatile Organics (CLP)	tetrachloroethene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y1X92	Y1X93	17-May-05	Volatile Organics (CLP)	toluene	µg/L	0.5	UJ			0.5	UJ			NC	Agreement	Use reporting limit	--
EPAMW14	Y1X92	Y1X93	17-May-05	Volatile Organics (CLP)	total xylenes	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y1X92	Y1X93	17-May-05	Volatile Organics (CLP)	trans-1,2-dichloroethene	µg/L	0.5	UJ		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y1X92	Y1X93	17-May-05	Volatile Organics (CLP)	trans-1,3-dichloropropene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y1X92	Y1X93	17-May-05	Volatile Organics (CLP)	trichloroethene	µg/L	**1.3**				**1.3**				**0.0%**	Agreement	Use detected concentration	--
EPAMW14	Y1X92	Y1X93	17-May-05	Volatile Organics (CLP)	trichlorofluoromethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y1X92	Y1X93	17-May-05	Volatile Organics (CLP)	vinyl chloride	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y2910	Y2911	16-Nov-05	Volatile Organics (CLP)	1,1,1-trichloroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y2910	Y2911	16-Nov-05	Volatile Organics (CLP)	1,1,2,2-tetrachloroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y2910	Y2911	16-Nov-05	Volatile Organics (CLP)	1,1,2-trichloro-1,2,2-trifluoroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y2910	Y2911	16-Nov-05	Volatile Organics (CLP)	1,1,2-trichloroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y2910	Y2911	16-Nov-05	Volatile Organics (CLP)	1,1-dichloroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y2910	Y2911	16-Nov-05	Volatile Organics (CLP)	1,1-dichloroethene	µg/L	**0.21**	**J**		0.5	0.5	U		0.5	NC	Agreement	Use positive result	--
EPAMW14	Y2910	Y2911	16-Nov-05	Volatile Organics (CLP)	1,2,3-trichlorobenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y2910	Y2911	16-Nov-05	Volatile Organics (CLP)	1,2,4-trichlorobenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y2910	Y2911	16-Nov-05	Volatile Organics (CLP)	1,2-dibromoethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y2910	Y2911	16-Nov-05	Volatile Organics (CLP)	1,2-dichlorobenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y2910	Y2911	16-Nov-05	Volatile Organics (CLP)	1,2-dichloroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y2910	Y2911	16-Nov-05	Volatile Organics (CLP)	1,2-dichloropropane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y2910	Y2911	16-Nov-05	Volatile Organics (CLP)	1,3-dichlorobenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y2910	Y2911	16-Nov-05	Volatile Organics (CLP)	1,4-dichlorobenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y2910	Y2911	16-Nov-05	Volatile Organics (CLP)	2-butanone	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW14	Y2910	Y2911	16-Nov-05	Volatile Organics (CLP)	2-hexanone	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW14	Y2910	Y2911	16-Nov-05	Volatile Organics (CLP)	4-methyl-2-pentanone	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW14	Y2910	Y2911	16-Nov-05	Volatile Organics (CLP)	acetone	µg/L	**3.4**	**J**		5	**9**	**J**		5	**90.3%**	Major Disagreement	Use higher concentration	Evaluation criterion not established
EPAMW14	Y2910	Y2911	16-Nov-05	Volatile Organics (CLP)	benzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y2910	Y2911	16-Nov-05	Volatile Organics (CLP)	bromochloromethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y2910	Y2911	16-Nov-05	Volatile Organics (CLP)	bromodichloromethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y2910	Y2911	16-Nov-05	Volatile Organics (CLP)	bromoform	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y2910	Y2911	16-Nov-05	Volatile Organics (CLP)	bromomethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y2910	Y2911	16-Nov-05	Volatile Organics (CLP)	carbon disulfide	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y2910	Y2911	16-Nov-05	Volatile Organics (CLP)	carbon tetrachloride	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y2910	Y2911	16-Nov-05	Volatile Organics (CLP)	chlorobenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--

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							Result	Q	DL	RL	Result	Q	DL	RL				
EPAMW14	Y2910	Y2911	16-Nov-05	Volatile Organics (CLP)	chloroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y2910	Y2911	16-Nov-05	Volatile Organics (CLP)	chloroform	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y2910	Y2911	16-Nov-05	Volatile Organics (CLP)	chloromethane	µg/L	**1.6**			0.5	**1.1**			0.5	**37.0%**	Disagreement	Use higher concentration	Evaluation criterion not established
EPAMW14	Y2910	Y2911	16-Nov-05	Volatile Organics (CLP)	cis-1,2-dichloroethene	µg/L	**6.1**			0.5	**3.8**			0.5	**46.5%**	Disagreement	Use higher concentration	Highest concentration exceeds MCL
EPAMW14	Y2910	Y2911	16-Nov-05	Volatile Organics (CLP)	cis-1,3-dichloropropene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y2910	Y2911	16-Nov-05	Volatile Organics (CLP)	cyclohexane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y2910	Y2911	16-Nov-05	Volatile Organics (CLP)	dibromochloromethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y2910	Y2911	16-Nov-05	Volatile Organics (CLP)	dibromochloropropane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y2910	Y2911	16-Nov-05	Volatile Organics (CLP)	dichlorodifluoromethane	µg/L	**0.38**	**J**		0.5	0.5	U		0.5	NC	Agreement	Use positive result	--
EPAMW14	Y2910	Y2911	16-Nov-05	Volatile Organics (CLP)	ethylbenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y2910	Y2911	16-Nov-05	Volatile Organics (CLP)	isopropylbenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y2910	Y2911	16-Nov-05	Volatile Organics (CLP)	methyl ester acetic acid	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y2910	Y2911	16-Nov-05	Volatile Organics (CLP)	methyl tert-butyl ether	µg/L	0.5	U		0.5	**0.21**	**J**		0.5	NC	Agreement	Use positive result	--
EPAMW14	Y2910	Y2911	16-Nov-05	Volatile Organics (CLP)	methylcyclohexane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y2910	Y2911	16-Nov-05	Volatile Organics (CLP)	methylene chloride	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y2910	Y2911	16-Nov-05	Volatile Organics (CLP)	styrene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y2910	Y2911	16-Nov-05	Volatile Organics (CLP)	tert-butyl alcohol	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW14	Y2910	Y2911	16-Nov-05	Volatile Organics (CLP)	tetrachloroethene	µg/L	**0.51**			0.5	**0.35**	**J**		0.5	**37.2%**	Disagreement	Use higher concentration	Both concentrations do not exceed MCL
EPAMW14	Y2910	Y2911	16-Nov-05	Volatile Organics (CLP)	toluene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y2910	Y2911	16-Nov-05	Volatile Organics (CLP)	total xylenes	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y2910	Y2911	16-Nov-05	Volatile Organics (CLP)	trans-1,2-dichloroethene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y2910	Y2911	16-Nov-05	Volatile Organics (CLP)	trans-1,3-dichloropropene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y2910	Y2911	16-Nov-05	Volatile Organics (CLP)	trichloroethene	µg/L	**24**			0.5	**15**			0.5	**46.2%**	Disagreement	Use higher concentration	Both concentrations exceed MCL
EPAMW14	Y2910	Y2911	16-Nov-05	Volatile Organics (CLP)	trichlorofluoromethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y2910	Y2911	16-Nov-05	Volatile Organics (CLP)	vinyl chloride	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y2916	Y2917	17-Nov-05	EPA Method 8270	1,2,4,5-tetrachlorobenzene	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW14	Y2916	Y2917	17-Nov-05	EPA Method 8270	1,4-dioxane	µg/L	1	U		1	1	U		1	NC	Agreement	Use reporting limit	--
EPAMW14	Y2916	Y2917	17-Nov-05	EPA Method 8270	2,2'-oxybis(1-chloropropane)	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW14	Y2916	Y2917	17-Nov-05	EPA Method 8270	2,4,5- trichlorophenol	µg/L	20	U		20	20	U		20	NC	Agreement	Use reporting limit	--
EPAMW14	Y2916	Y2917	17-Nov-05	EPA Method 8270	2,4,6-trichlorophenol	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW14	Y2916	Y2917	17-Nov-05	EPA Method 8270	2,4-dichlorophenol	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW14	Y2916	Y2917	17-Nov-05	EPA Method 8270	2,4-dimethylphenol	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW14	Y2916	Y2917	17-Nov-05	EPA Method 8270	2,4-dinitrophenol	µg/L	20	U		20	20	U		20	NC	Agreement	Use reporting limit	--
EPAMW14	Y2916	Y2917	17-Nov-05	EPA Method 8270	2,4-dinitrotoluene	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW14	Y2916	Y2917	17-Nov-05	EPA Method 8270	2,6-dinitrotoluene	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW14	Y2916	Y2917	17-Nov-05	EPA Method 8270	2-chloronaphthalene	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW14	Y2916	Y2917	17-Nov-05	EPA Method 8270	2-chlorophenol	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW14	Y2916	Y2917	17-Nov-05	EPA Method 8270	2-methylnaphthalene	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW14	Y2916	Y2917	17-Nov-05	EPA Method 8270	2-methylphenol	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW14	Y2916	Y2917	17-Nov-05	EPA Method 8270	2-nitroaniline	µg/L	20	U		20	20	U		20	NC	Agreement	Use reporting limit	--
EPAMW14	Y2916	Y2917	17-Nov-05	EPA Method 8270	2-nitrophenol	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--

Notes:
[1]Relative percent difference calculated using the equation %RPD = ((N-D)/(N+D))/2.
[2]Table C-3 provides EPA's criteria for comparing field duplicate sample results.
[3]The reporting criteria for field duplicates are designed to ensure that the most conservative data set in terms of protection of human health and the environment.

D = Field Duplicate
N = Primary Sample
mg/L = milligram(s) per liter
µg/L = microgram(s) per liter
ng/L = nanogram(s) per liter
NC = RPD not calculated
RPD = relative percent difference
-- = comparison to criterion not required due to data agreement.

Qualifiers
J = Estimated Value
LJ = Estimated Value, Result May be Biased Low
R = Rejected
U = Non-Detect
UJ = Non-Detect Estimated Value
UR = Rejected Non-Detect

Location	Parent Sample ID	Field Duplicate ID	Sample Date	Analysis Method	Parameter	Units	Parent Sample Results				Field Duplicate Results				RPD[1]	Conclusion[2]	Reporting Criteria[3]	Comparison to Evaluation Criterion in event of Disagreement or Major Disagreement
							Result	Q	DL	RL	Result	Q	DL	RL				
EPAMW14	Y2916	Y2917	17-Nov-05	EPA Method 8270	3,3-dichlorobenzidine	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW14	Y2916	Y2917	17-Nov-05	EPA Method 8270	3-nitroaniline	µg/L	20	U		20	20	U		20	NC	Agreement	Use reporting limit	--
EPAMW14	Y2916	Y2917	17-Nov-05	EPA Method 8270	4,6-dinitro-2-methylphenol	µg/L	20	U		20	20	U		20	NC	Agreement	Use reporting limit	--
EPAMW14	Y2916	Y2917	17-Nov-05	EPA Method 8270	4-bromophenyl-phenyl ether	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW14	Y2916	Y2917	17-Nov-05	EPA Method 8270	4-chloro-3-methylphenol	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW14	Y2916	Y2917	17-Nov-05	EPA Method 8270	4-chloroaniline	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW14	Y2916	Y2917	17-Nov-05	EPA Method 8270	4-chlorophenyl-phenyl ether	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW14	Y2916	Y2917	17-Nov-05	EPA Method 8270	4-methylphenol	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW14	Y2916	Y2917	17-Nov-05	EPA Method 8270	4-nitroaniline	µg/L	20	U		20	20	U		20	NC	Agreement	Use reporting limit	--
EPAMW14	Y2916	Y2917	17-Nov-05	EPA Method 8270	4-nitrophenol	µg/L	20	U		20	20	U		20	NC	Agreement	Use reporting limit	--
EPAMW14	Y2916	Y2917	17-Nov-05	EPA Method 8270	acenaphthene	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW14	Y2916	Y2917	17-Nov-05	EPA Method 8270	acenaphthylene	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW14	Y2916	Y2917	17-Nov-05	EPA Method 8270	acetophenone	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW14	Y2916	Y2917	17-Nov-05	EPA Method 8270	anthracene	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW14	Y2916	Y2917	17-Nov-05	EPA Method 8270	atrazine	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW14	Y2916	Y2917	17-Nov-05	EPA Method 8270	benzaldehyde	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW14	Y2916	Y2917	17-Nov-05	EPA Method 8270	benzo(a)anthracene	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW14	Y2916	Y2917	17-Nov-05	EPA Method 8270	benzo(a)pyrene	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW14	Y2916	Y2917	17-Nov-05	EPA Method 8270	benzo(b)fluoranthene	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW14	Y2916	Y2917	17-Nov-05	EPA Method 8270	benzo(g,h,i)perylene	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW14	Y2916	Y2917	17-Nov-05	EPA Method 8270	benzo(k)fluoranthene	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW14	Y2916	Y2917	17-Nov-05	EPA Method 8270	biphenyl	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW14	Y2916	Y2917	17-Nov-05	EPA Method 8270	bis(2-chloroethoxy)methane	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW14	Y2916	Y2917	17-Nov-05	EPA Method 8270	bis(2-chloroethyl)ether	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW14	Y2916	Y2917	17-Nov-05	EPA Method 8270	bis(2-ethylhexyl)phthalate	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW14	Y2916	Y2917	17-Nov-05	EPA Method 8270	butylbenzyl phthalate	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW14	Y2916	Y2917	17-Nov-05	EPA Method 8270	caprolactam	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW14	Y2916	Y2917	17-Nov-05	EPA Method 8270	chrysene	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW14	Y2916	Y2917	17-Nov-05	EPA Method 8270	dibenzo(a,h)anthracene	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW14	Y2916	Y2917	17-Nov-05	EPA Method 8270	dibenzofuran	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW14	Y2916	Y2917	17-Nov-05	EPA Method 8270	diethyl phthalate	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW14	Y2916	Y2917	17-Nov-05	EPA Method 8270	dimethyl phthalate	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW14	Y2916	Y2917	17-Nov-05	EPA Method 8270	di-n-butylphthalate	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW14	Y2916	Y2917	17-Nov-05	EPA Method 8270	di-n-octyl phthalate	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW14	Y2916	Y2917	17-Nov-05	EPA Method 8270	fluoranthene	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW14	Y2916	Y2917	17-Nov-05	EPA Method 8270	fluorene	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW14	Y2916	Y2917	17-Nov-05	EPA Method 8270	hexachlorobenzene	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW14	Y2916	Y2917	17-Nov-05	EPA Method 8270	hexachlorobutadiene	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW14	Y2916	Y2917	17-Nov-05	EPA Method 8270	hexachlorocyclopentadiene	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW14	Y2916	Y2917	17-Nov-05	EPA Method 8270	hexachloroethane	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW14	Y2916	Y2917	17-Nov-05	EPA Method 8270	indeno(1,2,3-c,d)pyrene	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--

Notes:
[1]Relative percent difference calculated using the equation %RPD = ((N-D)/(N+D))/2.
[2]Table C-3 provides EPA's criteria for comparing field duplicate sample results.
[3]The reporting criteria for field duplicates are designed to ensure that the most conservative data set in terms of protection of human health and the environment.

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Location	Parent Sample ID	Field Duplicate ID	Sample Date	Analysis Method	Parameter	Units	Parent Sample Results				Field Duplicate Results				RPD[1]	Conclusion[2]	Reporting Criteria[3]	Comparison to Evaluation Criterion in event of Disagreement or Major Disagreement
							Result	Q	DL	RL	Result	Q	DL	RL				
EPAMW14	MY2910	MY2911	16-Nov-05	Dissolved Metal (CLP)	antimony	µg/L	0.14	UJ	0.045	2	0.11	UJ	0.045	2	NC	Agreement	Use reporting limit	--
EPAMW14	MY2910	MY2911	16-Nov-05	Dissolved Metal (CLP)	arsenic	µg/L	**0.62**	**J**	0.041	1	**0.59**	**J**	0.041	1	**5.0%**	Agreement	Use higher concentration	--
EPAMW14	MY2910	MY2911	16-Nov-05	Dissolved Metal (CLP)	barium	µg/L	**99.7**		0.92	10	**98.2**		0.92	10	**1.5%**	Agreement	Use higher concentration	--
EPAMW14	MY2910	MY2911	16-Nov-05	Dissolved Metal (CLP)	beryllium	µg/L	1	U	0.058	1	1	U	0.058	1	NC	Agreement	Use reporting limit	--
EPAMW14	MY2910	MY2911	16-Nov-05	Dissolved Metal (CLP)	cadmium	µg/L	**0.06**	**J**	0.051	1	1	U	0.051	1	NC	Agreement	Use positive result	--
EPAMW14	MY2910	MY2911	16-Nov-05	Dissolved Metal (CLP)	calcium	µg/L	**78600**		43.6	5000	**81400**		43.6	5000	**3.5%**	Agreement	Use higher concentration	--
EPAMW14	MY2910	MY2911	16-Nov-05	Dissolved Metal (CLP)	chromium (total)	µg/L	**4.4**		0.058	2	**4.6**		0.058	2	**4.4%**	Agreement	Use higher concentration	--
EPAMW14	MY2910	MY2911	16-Nov-05	Dissolved Metal (CLP)	cobalt	µg/L	**0.1**	**J**	0.045	1	**0.07**	**J**	0.045	1	**35.3%**	Disagreement	Use higher concentration	Evaluation criterion not established
EPAMW14	MY2910	MY2911	16-Nov-05	Dissolved Metal (CLP)	copper	µg/L	**0.83**	**J**	0.37	2	**0.75**	**J**	0.37	2	**10.1%**	Agreement	Use higher concentration	--
EPAMW14	MY2910	MY2911	16-Nov-05	Dissolved Metal (CLP)	iron	µg/L	100	U	49.8	100	100	U	49.8	100	NC	Agreement	Use reporting limit	--
EPAMW14	MY2910	MY2911	16-Nov-05	Dissolved Metal (CLP)	lead	µg/L	1	U	0.22	1	1	U	0.22	1	NC	Agreement	Use reporting limit	--
EPAMW14	MY2910	MY2911	16-Nov-05	Dissolved Metal (CLP)	magnesium	µg/L	**22900**		8.8	5000	**23700**		8.8	5000	**3.4%**	Agreement	Use higher concentration	--
EPAMW14	MY2910	MY2911	16-Nov-05	Dissolved Metal (CLP)	manganese	µg/L	**1.9**		0.33	1	0.76	UJ	0.33	1	NC	Agreement	Use positive result	--
EPAMW14	MY2910	MY2911	16-Nov-05	Dissolved Metal (CLP)	mercury	µg/L	0.2	U	0.04	0.2	0.2	U	0.04	0.2	NC	Agreement	Use reporting limit	--
EPAMW14	MY2910	MY2911	16-Nov-05	Dissolved Metal (CLP)	molybdenum	µg/L	**5.2**		0.047	1	**5.1**		0.047	1	**1.9%**	Agreement	Use higher concentration	--
EPAMW14	MY2910	MY2911	16-Nov-05	Dissolved Metal (CLP)	nickel	µg/L	**1.6**		0.18	1	**0.67**	**J**	0.18	1	**81.9%**	Major Disagreement	Use higher concentration	Both concentrations do not exceed MCL
EPAMW14	MY2910	MY2911	16-Nov-05	Dissolved Metal (CLP)	potassium	µg/L	**3150**	**J**	38.7	5000	**3220**	**J**	38.7	5000	**2.2%**	Agreement	Use higher concentration	--
EPAMW14	MY2910	MY2911	16-Nov-05	Dissolved Metal (CLP)	selenium	µg/L	**1**	**J**	0.14	5	**1**	**J**	0.14	5	**0.0%**	Agreement	Use detected concentration	--
EPAMW14	MY2910	MY2911	16-Nov-05	Dissolved Metal (CLP)	silver	µg/L	1	U	0.037	1	1	U	0.037	1	NC	Agreement	Use reporting limit	--
EPAMW14	MY2910	MY2911	16-Nov-05	Dissolved Metal (CLP)	sodium	µg/L	**61900**		709	5000	**63700**		709	5000	**2.9%**	Agreement	Use higher concentration	--
EPAMW14	MY2910	MY2911	16-Nov-05	Dissolved Metal (CLP)	thallium	µg/L	1	U	0.036	1	1	U	0.036	1	NC	Agreement	Use reporting limit	--
EPAMW14	MY2910	MY2911	16-Nov-05	Dissolved Metal (CLP)	vanadium	µg/L	**5.1**		0.026	1	**5.1**		0.026	1	**0.0%**	Agreement	Use detected concentration	--
EPAMW14	MY2910	MY2911	16-Nov-05	Dissolved Metal (CLP)	zinc	µg/L	**28.6**		0.71	2	**14.8**		0.71	2	**63.6%**	Disagreement	Use higher concentration	Both concentrations do not exceed MCL
EPAMW14	Y2DZ0	Y2DZ1	27-Feb-06	Volatile Organics (CLP)	1,1,1-trichloroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y2DZ0	Y2DZ1	27-Feb-06	Volatile Organics (CLP)	1,1,2,2-tetrachloroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y2DZ0	Y2DZ1	27-Feb-06	Volatile Organics (CLP)	1,1,2-trichloro-1,2,2-trifluoroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y2DZ0	Y2DZ1	27-Feb-06	Volatile Organics (CLP)	1,1,2-trichloroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y2DZ0	Y2DZ1	27-Feb-06	Volatile Organics (CLP)	1,1-dichloroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y2DZ0	Y2DZ1	27-Feb-06	Volatile Organics (CLP)	1,1-dichloroethene	µg/L	**0.46**	**J**		0.5	**0.94**	**J**		0.5	**68.6%**	Major Disagreement	Use higher concentration	Both concentrations do not exceed MCL
EPAMW14	Y2DZ0	Y2DZ1	27-Feb-06	Volatile Organics (CLP)	1,2,3-trichlorobenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y2DZ0	Y2DZ1	27-Feb-06	Volatile Organics (CLP)	1,2,4-trichlorobenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y2DZ0	Y2DZ1	27-Feb-06	Volatile Organics (CLP)	1,2-dibromoethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y2DZ0	Y2DZ1	27-Feb-06	Volatile Organics (CLP)	1,2-dichlorobenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y2DZ0	Y2DZ1	27-Feb-06	Volatile Organics (CLP)	1,2-dichloroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y2DZ0	Y2DZ1	27-Feb-06	Volatile Organics (CLP)	1,2-dichloropropane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y2DZ0	Y2DZ1	27-Feb-06	Volatile Organics (CLP)	1,3-dichlorobenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y2DZ0	Y2DZ1	27-Feb-06	Volatile Organics (CLP)	1,4-dichlorobenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y2DZ0	Y2DZ1	27-Feb-06	Volatile Organics (CLP)	2-butanone	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW14	Y2DZ0	Y2DZ1	27-Feb-06	Volatile Organics (CLP)	2-hexanone	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW14	Y2DZ0	Y2DZ1	27-Feb-06	Volatile Organics (CLP)	4-methyl-2-pentanone	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW14	Y2DZ0	Y2DZ1	27-Feb-06	Volatile Organics (CLP)	acetone	µg/L	5	UJ		5	5	UJ		5	NC	Agreement	Use reporting limit	--

Notes:

[1]Relative percent difference calculated using the equation %RPD = ((N-D)/(N+D))/2.

[2]Table C-3 provides EPA's criteria for comparing field duplicate sample results.

[3]The reporting criteria for field duplicates are designed to ensure that the most conservative data set in terms of protection of human health and the environment.

D = Field Duplicate
N = Primary Sample
mg/L = milligram(s) per liter
µg/L = microgram(s) per liter
ng/L = nanogram(s) per liter
NC = RPD not calculated
RPD = relative percent difference
-- = comparison to criterion not required due to data agreement.

Qualifiers
J = Estimated Value
LJ = Estimated Value, Result May be Biased Low
R = Rejected
U = Non-Detect
UJ = Non-Detect Estimated Value
UR = Rejected Non-Detect

Location	Parent Sample ID	Field Duplicate ID	Sample Date	Analysis Method	Parameter	Units	Parent Sample Results				Field Duplicate Results				RPD[1]	Conclusion[2]	Reporting Criteria[3]	Comparison to Evaluation Criterion in event of Disagreement or Major Disagreement
							Result	Q	DL	RL	Result	Q	DL	RL				
EPAMW14	Y2DZ0	Y2DZ1	27-Feb-06	Volatile Organics (CLP)	benzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y2DZ0	Y2DZ1	27-Feb-06	Volatile Organics (CLP)	bromochloromethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y2DZ0	Y2DZ1	27-Feb-06	Volatile Organics (CLP)	bromodichloromethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y2DZ0	Y2DZ1	27-Feb-06	Volatile Organics (CLP)	bromoform	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y2DZ0	Y2DZ1	27-Feb-06	Volatile Organics (CLP)	bromomethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y2DZ0	Y2DZ1	27-Feb-06	Volatile Organics (CLP)	carbon disulfide	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y2DZ0	Y2DZ1	27-Feb-06	Volatile Organics (CLP)	carbon tetrachloride	µg/L	**0.12**	**J**		0.5	**0.25**	**J**		0.5	**70.3%**	Major Disagreement	Use higher concentration	Highest concentration exceeds MCL
EPAMW14	Y2DZ0	Y2DZ1	27-Feb-06	Volatile Organics (CLP)	chlorobenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y2DZ0	Y2DZ1	27-Feb-06	Volatile Organics (CLP)	chloroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y2DZ0	Y2DZ1	27-Feb-06	Volatile Organics (CLP)	chloroform	µg/L	**0.24**	**J**		0.5	**0.32**	**J**		0.5	**28.6%**	Agreement	Use higher concentration	--
EPAMW14	Y2DZ0	Y2DZ1	27-Feb-06	Volatile Organics (CLP)	chloromethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y2DZ0	Y2DZ1	27-Feb-06	Volatile Organics (CLP)	cis-1,2-dichloroethene	µg/L	**6.4**			0.5	**8.1**			0.5	**23.4%**	Agreement	Use higher concentration	--
EPAMW14	Y2DZ0	Y2DZ1	27-Feb-06	Volatile Organics (CLP)	cis-1,3-dichloropropene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y2DZ0	Y2DZ1	27-Feb-06	Volatile Organics (CLP)	cyclohexane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y2DZ0	Y2DZ1	27-Feb-06	Volatile Organics (CLP)	dibromochloromethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y2DZ0	Y2DZ1	27-Feb-06	Volatile Organics (CLP)	dibromochloropropane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y2DZ0	Y2DZ1	27-Feb-06	Volatile Organics (CLP)	dichlorodifluoromethane	µg/L	**0.54**			0.5	**1.2**	**J**		0.5	**75.9%**	Major Disagreement	Use higher concentration	Both concentrations do not exceed MCL
EPAMW14	Y2DZ0	Y2DZ1	27-Feb-06	Volatile Organics (CLP)	ethylbenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y2DZ0	Y2DZ1	27-Feb-06	Volatile Organics (CLP)	isopropylbenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y2DZ0	Y2DZ1	27-Feb-06	Volatile Organics (CLP)	methyl ester acetic acid	µg/L	0.5	UJ		0.5	0.5	UJ		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y2DZ0	Y2DZ1	27-Feb-06	Volatile Organics (CLP)	methyl tert-butyl ether	µg/L	**0.29**	**J**		0.5	**0.26**	**J**		0.5	**10.9%**	Agreement	Use higher concentration	--
EPAMW14	Y2DZ0	Y2DZ1	27-Feb-06	Volatile Organics (CLP)	methylcyclohexane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y2DZ0	Y2DZ1	27-Feb-06	Volatile Organics (CLP)	methylene chloride	µg/L	0.5	U		0.5	0.5	UJ		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y2DZ0	Y2DZ1	27-Feb-06	Volatile Organics (CLP)	styrene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y2DZ0	Y2DZ1	27-Feb-06	Volatile Organics (CLP)	tert-butyl alcohol	µg/L	5	UJ		5	5	UJ		5	NC	Agreement	Use reporting limit	--
EPAMW14	Y2DZ0	Y2DZ1	27-Feb-06	Volatile Organics (CLP)	tetrachloroethene	µg/L	**0.78**			0.5	**1.2**			0.5	**42.4%**	Disagreement	Use higher concentration	Both concentrations do not exceed MCL
EPAMW14	Y2DZ0	Y2DZ1	27-Feb-06	Volatile Organics (CLP)	toluene	µg/L	0.5	U		0.5	**0.11**	**J**		0.5	NC	Agreement	Use positive result	--
EPAMW14	Y2DZ0	Y2DZ1	27-Feb-06	Volatile Organics (CLP)	total xylenes	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y2DZ0	Y2DZ1	27-Feb-06	Volatile Organics (CLP)	trans-1,2-dichloroethene	µg/L	**0.14**	**J**		0.5	**0.26**	**J**		0.5	**60.0%**	Disagreement	Use higher concentration	Both concentrations do not exceed MCL
EPAMW14	Y2DZ0	Y2DZ1	27-Feb-06	Volatile Organics (CLP)	trans-1,3-dichloropropene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y2DZ0	Y2DZ1	27-Feb-06	Volatile Organics (CLP)	trichloroethene	µg/L	**25**			1	**35**			2.5	**33.3%**	Disagreement	Use higher concentration	Both concentrations exceed MCL
EPAMW14	Y2DZ0	Y2DZ1	27-Feb-06	Volatile Organics (CLP)	trichlorofluoromethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y2DZ0	Y2DZ1	27-Feb-06	Volatile Organics (CLP)	vinyl chloride	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y2TF3	Y2TF4	28-Aug-06	EPA (SM) Method 2320	bicarbonate alkalinity (as caco3)	mg/L	**33**		5	10	**36**		5	10	**8.7%**	Agreement	Use higher concentration	--
EPAMW14	Y2TF3	Y2TF4	28-Aug-06	EPA (SM) Method 2320	carbonate alkalinity (as caco3)	mg/L	**52**		5	10	**52**		5	10	**0.0%**	Agreement	Use detected concentration	--
EPAMW14	Y2TF3	Y2TF4	28-Aug-06	EPA (SM) Method 2320	hydroxide alkalinity (as caco3)	mg/L	10	U	5	10	10	U	5	10	NC	Agreement	Use reporting limit	--
EPAMW14	Y2TF3	Y2TF4	28-Aug-06	EPA (SM) Method 2320	total alkalinity (as caco3)	mg/L	**85**		5	10	**88**		5	10	**3.5%**	Agreement	Use higher concentration	--
EPAMW14	Y2TF3	Y2TF4	28-Aug-06	EPA Method 300.0	chloride	mg/L	**47**		0.5	1	**48**		0.5	1	**2.1%**	Agreement	Use higher concentration	--
EPAMW14	Y2TF3	Y2TF4	28-Aug-06	EPA Method 300.0	fluoride	mg/L	**0.4**		0.05	0.1	**0.46**		0.05	0.1	**14.0%**	Agreement	Use higher concentration	--
EPAMW14	Y2TF3	Y2TF4	28-Aug-06	EPA Method 300.0	sulfate	mg/L	**53**		0.5	1	**52**		0.5	1	**1.9%**	Agreement	Use higher concentration	--
EPAMW14	Y2TF3	Y2TF4	28-Aug-06	Dissolved Metal (CLP)	calcium	µg/L	**3380**	**J**	195	5000	**3980**	**J**	195	5000	**16.3%**	Agreement	Use higher concentration	--

Notes:

[1]Relative percent difference calculated using the equation %RPD = ((N-D)/(N+D))/2.

[2]Table C-3 provides EPA's criteria for comparing field duplicate sample results.

[3]The reporting criteria for field duplicates are designed to ensure that the most conservative data set in terms of protection of human health and the environment.

D = Field Duplicate
N = Primary Sample
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Qualifiers
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LJ = Estimated Value, Result May be Biased Low
R = Rejected
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UJ = Non-Detect Estimated Value
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Location	Parent Sample ID	Field Duplicate ID	Sample Date	Analysis Method	Parameter	Units	Parent Sample Results				Field Duplicate Results				RPD[1]	Conclusion[2]	Reporting Criteria[3]	Comparison to Evaluation Criterion in event of Disagreement or Major Disagreement
							Result	Q	DL	RL	Result	Q	DL	RL				
EPAMW14	Y2TF3	Y2TF4	28-Aug-06	Dissolved Metal (CLP)	magnesium	µg/L	**2510**	**J**	41.7	5000	**2750**	**J**	41.7	5000	**9.1%**	Agreement	Use higher concentration	--
EPAMW14	Y2TF3	Y2TF4	28-Aug-06	Dissolved Metal (CLP)	manganese	µg/L	15	U	0.5	15	15	U	0.5	15	NC	Agreement	Use reporting limit	--
EPAMW14	Y2TF3	Y2TF4	28-Aug-06	Dissolved Metal (CLP)	potassium	µg/L	**2400**	**J**	11.3	5000	**2340**	**J**	11.3	5000	**2.5%**	Agreement	Use higher concentration	--
EPAMW14	Y2TF3	Y2TF4	28-Aug-06	Dissolved Metal (CLP)	sodium	µg/L	**87900**		121	5000	**86100**		121	5000	**2.1%**	Agreement	Use higher concentration	--
EPAMW14	Y2TF3	Y2TF4	28-Aug-06	Volatile Organics (CLP)	1,1,1-trichloroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y2TF3	Y2TF4	28-Aug-06	Volatile Organics (CLP)	1,1,2,2-tetrachloroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y2TF3	Y2TF4	28-Aug-06	Volatile Organics (CLP)	1,1,2-trichloro-1,2,2-trifluoroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y2TF3	Y2TF4	28-Aug-06	Volatile Organics (CLP)	1,1,2-trichloroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y2TF3	Y2TF4	28-Aug-06	Volatile Organics (CLP)	1,1-dichloroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y2TF3	Y2TF4	28-Aug-06	Volatile Organics (CLP)	1,1-dichloroethene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y2TF3	Y2TF4	28-Aug-06	Volatile Organics (CLP)	1,2,3-trichlorobenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y2TF3	Y2TF4	28-Aug-06	Volatile Organics (CLP)	1,2,4-trichlorobenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y2TF3	Y2TF4	28-Aug-06	Volatile Organics (CLP)	1,2-dibromoethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y2TF3	Y2TF4	28-Aug-06	Volatile Organics (CLP)	1,2-dichlorobenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y2TF3	Y2TF4	28-Aug-06	Volatile Organics (CLP)	1,2-dichloroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y2TF3	Y2TF4	28-Aug-06	Volatile Organics (CLP)	1,2-dichloropropane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y2TF3	Y2TF4	28-Aug-06	Volatile Organics (CLP)	1,3-dichlorobenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y2TF3	Y2TF4	28-Aug-06	Volatile Organics (CLP)	1,4-dichlorobenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y2TF3	Y2TF4	28-Aug-06	Volatile Organics (CLP)	1,4-dioxane	µg/L	20	R		20	20	R		20	NC	Agreement	Use reporting limit	--
EPAMW14	Y2TF3	Y2TF4	28-Aug-06	Volatile Organics (CLP)	2-butanone	µg/L	5	R		5	5	R		5	NC	Agreement	Use reporting limit	--
EPAMW14	Y2TF3	Y2TF4	28-Aug-06	Volatile Organics (CLP)	2-hexanone	µg/L	5	R		5	5	R		5	NC	Agreement	Use reporting limit	--
EPAMW14	Y2TF3	Y2TF4	28-Aug-06	Volatile Organics (CLP)	4-methyl-2-pentanone	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW14	Y2TF3	Y2TF4	28-Aug-06	Volatile Organics (CLP)	acetone	µg/L	5	R		5	5	R		5	NC	Agreement	Use reporting limit	--
EPAMW14	Y2TF3	Y2TF4	28-Aug-06	Volatile Organics (CLP)	benzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y2TF3	Y2TF4	28-Aug-06	Volatile Organics (CLP)	bromochloromethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y2TF3	Y2TF4	28-Aug-06	Volatile Organics (CLP)	bromodichloromethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y2TF3	Y2TF4	28-Aug-06	Volatile Organics (CLP)	bromoform	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y2TF3	Y2TF4	28-Aug-06	Volatile Organics (CLP)	bromomethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y2TF3	Y2TF4	28-Aug-06	Volatile Organics (CLP)	carbon disulfide	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y2TF3	Y2TF4	28-Aug-06	Volatile Organics (CLP)	carbon tetrachloride	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y2TF3	Y2TF4	28-Aug-06	Volatile Organics (CLP)	chlorobenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y2TF3	Y2TF4	28-Aug-06	Volatile Organics (CLP)	chloroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y2TF3	Y2TF4	28-Aug-06	Volatile Organics (CLP)	chloroform	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y2TF3	Y2TF4	28-Aug-06	Volatile Organics (CLP)	chloromethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y2TF3	Y2TF4	28-Aug-06	Volatile Organics (CLP)	cis-1,2-dichloroethene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y2TF3	Y2TF4	28-Aug-06	Volatile Organics (CLP)	cis-1,3-dichloropropene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y2TF3	Y2TF4	28-Aug-06	Volatile Organics (CLP)	cyclohexane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y2TF3	Y2TF4	28-Aug-06	Volatile Organics (CLP)	dibromochloromethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y2TF3	Y2TF4	28-Aug-06	Volatile Organics (CLP)	dibromochloropropane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y2TF3	Y2TF4	28-Aug-06	Volatile Organics (CLP)	dichlorodifluoromethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y2TF3	Y2TF4	28-Aug-06	Volatile Organics (CLP)	ethylbenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--

Notes:

[1]Relative percent difference calculated using the equation %RPD = ((N-D)/(N+D))/2.

[2]Table C-3 provides EPA's criteria for comparing field duplicate sample results.

[3]The reporting criteria for field duplicates are designed to ensure that the most conservative data set in terms of protection of human health and the environment.

D = Field Duplicate
N = Primary Sample
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NC = RPD not calculated
RPD = relative percent difference
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Qualifiers
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LJ = Estimated Value, Result May be Biased Low
R = Rejected
U = Non-Detect
UJ = Non-Detect Estimated Value
UR = Rejected Non-Detect

TABLE C-4
Field Duplicate Evaluation
Remedial Investigation
San Gabriel Valley Area 3 Superfund Site

Location	Parent Sample ID	Field Duplicate ID	Sample Date	Analysis Method	Parameter	Units	Parent Sample Results				Field Duplicate Results				RPD[1]	Conclusion[2]	Reporting Criteria[3]	Comparison to Evaluation Criterion in event of Disagreement or Major Disagreement
							Result	Q	DL	RL	Result	Q	DL	RL				
EPAMW14	Y2TF3	Y2TF4	28-Aug-06	Volatile Organics (CLP)	isopropylbenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y2TF3	Y2TF4	28-Aug-06	Volatile Organics (CLP)	m,p-xylene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y2TF3	Y2TF4	28-Aug-06	Volatile Organics (CLP)	methyl ester acetic acid	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y2TF3	Y2TF4	28-Aug-06	Volatile Organics (CLP)	methyl tert-butyl ether	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y2TF3	Y2TF4	28-Aug-06	Volatile Organics (CLP)	methylcyclohexane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y2TF3	Y2TF4	28-Aug-06	Volatile Organics (CLP)	methylene chloride	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y2TF3	Y2TF4	28-Aug-06	Volatile Organics (CLP)	o-xylene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y2TF3	Y2TF4	28-Aug-06	Volatile Organics (CLP)	styrene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y2TF3	Y2TF4	28-Aug-06	Volatile Organics (CLP)	tert-butyl alcohol	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW14	Y2TF3	Y2TF4	28-Aug-06	Volatile Organics (CLP)	tetrachloroethene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y2TF3	Y2TF4	28-Aug-06	Volatile Organics (CLP)	toluene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y2TF3	Y2TF4	28-Aug-06	Volatile Organics (CLP)	trans-1,2-dichloroethene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y2TF3	Y2TF4	28-Aug-06	Volatile Organics (CLP)	trans-1,3-dichloropropene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y2TF3	Y2TF4	28-Aug-06	Volatile Organics (CLP)	trichloroethene	µg/L	**1.3**			0.5	**1.9**			0.5	**37.5%**	Disagreement	Use higher concentration	Both concentrations do not exceed MCL
EPAMW14	Y2TF3	Y2TF4	28-Aug-06	Volatile Organics (CLP)	trichlorofluoromethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y2TF3	Y2TF4	28-Aug-06	Volatile Organics (CLP)	vinyl chloride	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y34X2	Y34X3	07-Feb-07	Volatile Organics (CLP)	1,1,1-trichloroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y34X2	Y34X3	07-Feb-07	Volatile Organics (CLP)	1,1,2,2-tetrachloroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y34X2	Y34X3	07-Feb-07	Volatile Organics (CLP)	1,1,2-trichloro-1,2,2-trifluoroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y34X2	Y34X3	07-Feb-07	Volatile Organics (CLP)	1,1,2-trichloroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y34X2	Y34X3	07-Feb-07	Volatile Organics (CLP)	1,1-dichloroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y34X2	Y34X3	07-Feb-07	Volatile Organics (CLP)	1,1-dichloroethene	µg/L	**0.58**	**J**		0.5	**0.56**	**J**		0.5	**3.5%**	Agreement	Use higher concentration	--
EPAMW14	Y34X2	Y34X3	07-Feb-07	Volatile Organics (CLP)	1,2,3-trichlorobenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y34X2	Y34X3	07-Feb-07	Volatile Organics (CLP)	1,2,4-trichlorobenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y34X2	Y34X3	07-Feb-07	Volatile Organics (CLP)	1,2-dibromoethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y34X2	Y34X3	07-Feb-07	Volatile Organics (CLP)	1,2-dichlorobenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y34X2	Y34X3	07-Feb-07	Volatile Organics (CLP)	1,2-dichloroethane	µg/L	0.5	U		0.5	**0.12**	**J**		0.5	NC	Agreement	Use positive result	--
EPAMW14	Y34X2	Y34X3	07-Feb-07	Volatile Organics (CLP)	1,2-dichloropropane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y34X2	Y34X3	07-Feb-07	Volatile Organics (CLP)	1,3-dichlorobenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y34X2	Y34X3	07-Feb-07	Volatile Organics (CLP)	1,4-dichlorobenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y34X2	Y34X3	07-Feb-07	Volatile Organics (CLP)	1,4-dioxane	µg/L	20	R		20	20	R		20	NC	Agreement	Use reporting limit	--
EPAMW14	Y34X2	Y34X3	07-Feb-07	Volatile Organics (CLP)	2-butanone	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW14	Y34X2	Y34X3	07-Feb-07	Volatile Organics (CLP)	2-hexanone	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW14	Y34X2	Y34X3	07-Feb-07	Volatile Organics (CLP)	4-methyl-2-pentanone	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW14	Y34X2	Y34X3	07-Feb-07	Volatile Organics (CLP)	acetone	µg/L	5	UJ		5	5	UJ		5	NC	Agreement	Use reporting limit	--
EPAMW14	Y34X2	Y34X3	07-Feb-07	Volatile Organics (CLP)	benzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y34X2	Y34X3	07-Feb-07	Volatile Organics (CLP)	bromochloromethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y34X2	Y34X3	07-Feb-07	Volatile Organics (CLP)	bromodichloromethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y34X2	Y34X3	07-Feb-07	Volatile Organics (CLP)	bromoform	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y34X2	Y34X3	07-Feb-07	Volatile Organics (CLP)	bromomethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y34X2	Y34X3	07-Feb-07	Volatile Organics (CLP)	carbon disulfide	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--

Notes:
[1]Relative percent difference calculated using the equation %RPD = ((N-D)/(N+D))/2.
[2]Table C-3 provides EPA's criteria for comparing field duplicate sample results.
[3]The reporting criteria for field duplicates are designed to ensure that the most conservative data set in terms of protection of human health and the environment.

D = Field Duplicate
N = Primary Sample
mg/L = milligram(s) per liter
µg/L = microgram(s) per liter
ng/L = nanogram(s) per liter
NC = RPD not calculated
RPD = relative percent difference
-- = comparison to criterion not required due to data agreement.

Qualifiers
J = Estimated Value
LJ = Estimated Value, Result May be Biased Low
R = Rejected
U = Non-Detect
UJ = Non-Detect Estimated Value
UR = Rejected Non-Detect

Location	Parent Sample ID	Field Duplicate ID	Sample Date	Analysis Method	Parameter	Units	Parent Sample Results				Field Duplicate Results				RPD[1]	Conclusion[2]	Reporting Criteria[3]	Comparison to Evaluation Criterion in event of Disagreement or Major Disagreement
							Result	Q	DL	RL	Result	Q	DL	RL				
EPAMW14	Y34X2	Y34X3	07-Feb-07	Volatile Organics (CLP)	carbon tetrachloride	µg/L	**0.17**	**J**		0.5	0.5	U		0.5	NC	Agreement	Use positive result	--
EPAMW14	Y34X2	Y34X3	07-Feb-07	Volatile Organics (CLP)	chlorobenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y34X2	Y34X3	07-Feb-07	Volatile Organics (CLP)	chloroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y34X2	Y34X3	07-Feb-07	Volatile Organics (CLP)	chloroform	µg/L	0.5	UJ		0.5	0.5	UJ		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y34X2	Y34X3	07-Feb-07	Volatile Organics (CLP)	chloromethane	µg/L	0.5	U		0.5	0.5	UJ		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y34X2	Y34X3	07-Feb-07	Volatile Organics (CLP)	cis-1,2-dichloroethene	µg/L	**6.3**	**J**		0.5	**6.2**	**J**		0.5	**1.6%**	Agreement	Use higher concentration	--
EPAMW14	Y34X2	Y34X3	07-Feb-07	Volatile Organics (CLP)	cis-1,3-dichloropropene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y34X2	Y34X3	07-Feb-07	Volatile Organics (CLP)	cyclohexane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y34X2	Y34X3	07-Feb-07	Volatile Organics (CLP)	dibromochloromethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y34X2	Y34X3	07-Feb-07	Volatile Organics (CLP)	dibromochloropropane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y34X2	Y34X3	07-Feb-07	Volatile Organics (CLP)	dichlorodifluoromethane	µg/L	**0.83**	**J**		0.5	**0.88**	**J**		0.5	**5.8%**	Agreement	Use higher concentration	--
EPAMW14	Y34X2	Y34X3	07-Feb-07	Volatile Organics (CLP)	ethylbenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y34X2	Y34X3	07-Feb-07	Volatile Organics (CLP)	isopropylbenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y34X2	Y34X3	07-Feb-07	Volatile Organics (CLP)	m,p-xylene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y34X2	Y34X3	07-Feb-07	Volatile Organics (CLP)	methyl ester acetic acid	µg/L	**0.092**	**J**		0.5	0.5	U		0.5	NC	Agreement	Use positive result	--
EPAMW14	Y34X2	Y34X3	07-Feb-07	Volatile Organics (CLP)	methyl tert-butyl ether	µg/L	**0.18**	**J**		0.5	**0.17**	**J**		0.5	**5.7%**	Agreement	Use higher concentration	--
EPAMW14	Y34X2	Y34X3	07-Feb-07	Volatile Organics (CLP)	methylcyclohexane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y34X2	Y34X3	07-Feb-07	Volatile Organics (CLP)	methylene chloride	µg/L	0.5	UJ		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y34X2	Y34X3	07-Feb-07	Volatile Organics (CLP)	o-xylene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y34X2	Y34X3	07-Feb-07	Volatile Organics (CLP)	styrene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y34X2	Y34X3	07-Feb-07	Volatile Organics (CLP)	tert-butyl alcohol	µg/L	5	R		5	5	R		5	NC	Agreement	Use reporting limit	--
EPAMW14	Y34X2	Y34X3	07-Feb-07	Volatile Organics (CLP)	tetrachloroethene	µg/L	**0.86**	**J**		0.5	**0.83**	**J**		0.5	**3.6%**	Agreement	Use higher concentration	--
EPAMW14	Y34X2	Y34X3	07-Feb-07	Volatile Organics (CLP)	toluene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y34X2	Y34X3	07-Feb-07	Volatile Organics (CLP)	trans-1,2-dichloroethene	µg/L	**0.15**	**J**		0.5	**0.19**	**J**		0.5	**23.5%**	Agreement	Use higher concentration	--
EPAMW14	Y34X2	Y34X3	07-Feb-07	Volatile Organics (CLP)	trans-1,3-dichloropropene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y34X2	Y34X3	07-Feb-07	Volatile Organics (CLP)	trichloroethene	µg/L	**31**	**J**		0.5	**31**	**J**		0.5	**0.0%**	Agreement	Use detected concentration	--
EPAMW14	Y34X2	Y34X3	07-Feb-07	Volatile Organics (CLP)	trichlorofluoromethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y34X2	Y34X3	07-Feb-07	Volatile Organics (CLP)	vinyl chloride	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y3ET8	Y3ET9	22-Aug-07	EPA Method 314.0	perchlorate	µg/L	**3.3**		1	2	**3.8**		1	2	**14.1%**	Agreement	Use higher concentration	--
EPAMW14	Y3ET8	Y3ET9	22-Aug-07	EPA Method 160.1	total dissolved solids	mg/L	**540**		10	20	**560**		10	20	**3.6%**	Agreement	Use higher concentration	--
EPAMW14	Y3ET8	Y3ET9	22-Aug-07	Volatile Organics (CLP)	1,1,1-trichloroethane	µg/L	1.3	U		0.5	1.3	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y3ET8	Y3ET9	22-Aug-07	Volatile Organics (CLP)	1,1,2,2-tetrachloroethane	µg/L	1.3	U		0.5	1.3	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y3ET8	Y3ET9	22-Aug-07	Volatile Organics (CLP)	1,1,2-trichloro-1,2,2-trifluoroethane	µg/L	1.3	U		0.5	1.3	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y3ET8	Y3ET9	22-Aug-07	Volatile Organics (CLP)	1,1,2-trichloroethane	µg/L	1.3	UJ		0.5	1.3	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y3ET8	Y3ET9	22-Aug-07	Volatile Organics (CLP)	1,1-dichloroethane	µg/L	1.3	U		0.5	1.3	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y3ET8	Y3ET9	22-Aug-07	Volatile Organics (CLP)	1,1-dichloroethene	µg/L	1.3	U		0.5	1.3	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y3ET8	Y3ET9	22-Aug-07	Volatile Organics (CLP)	1,2,3-trichlorobenzene	µg/L	1.3	U		0.5	1.3	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y3ET8	Y3ET9	22-Aug-07	Volatile Organics (CLP)	1,2,4-trichlorobenzene	µg/L	1.3	U		0.5	1.3	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y3ET8	Y3ET9	22-Aug-07	Volatile Organics (CLP)	1,2-dibromoethane	µg/L	1.3	U		0.5	1.3	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y3ET8	Y3ET9	22-Aug-07	Volatile Organics (CLP)	1,2-dichlorobenzene	µg/L	1.3	U		0.5	1.3	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y3ET8	Y3ET9	22-Aug-07	Volatile Organics (CLP)	1,2-dichloroethane	µg/L	1.3	U		0.5	1.3	U		0.5	NC	Agreement	Use reporting limit	--

Notes:
[1]Relative percent difference calculated using the equation %RPD = ((N-D)/(N+D))/2.
[2]Table C-3 provides EPA's criteria for comparing field duplicate sample results.
[3]The reporting criteria for field duplicates are designed to ensure that the most conservative data set in terms of protection of human health and the environment.

D = Field Duplicate
N = Primary Sample
mg/L = milligram(s) per liter
µg/L = microgram(s) per liter
ng/L = nanogram(s) per liter
NC = RPD not calculated
RPD = relative percent difference
-- = comparison to criterion not required due to data agreement.

Qualifiers
J = Estimated Value
LJ = Estimated Value, Result May be Biased Low
R = Rejected
U = Non-Detect
UJ = Non-Detect Estimated Value
UR = Rejected Non-Detect

Location	Parent Sample ID	Field Duplicate ID	Sample Date	Analysis Method	Parameter	Units	Parent Sample Results				Field Duplicate Results				RPD[1]	Conclusion[2]	Reporting Criteria[3]	Comparison to Evaluation Criterion in event of Disagreement or Major Disagreement
							Result	Q	DL	RL	Result	Q	DL	RL				
EPAMW14	Y3ET8	Y3ET9	22-Aug-07	Volatile Organics (CLP)	1,2-dichloropropane	µg/L	1.3	U		0.5	1.3	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y3ET8	Y3ET9	22-Aug-07	Volatile Organics (CLP)	1,3-dichlorobenzene	µg/L	1.3	U		0.5	1.3	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y3ET8	Y3ET9	22-Aug-07	Volatile Organics (CLP)	1,4-dichlorobenzene	µg/L	1.3	U		0.5	1.3	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y3ET8	Y3ET9	22-Aug-07	Volatile Organics (CLP)	2-butanone	µg/L	13	U		5	13	U		5	NC	Agreement	Use reporting limit	--
EPAMW14	Y3ET8	Y3ET9	22-Aug-07	Volatile Organics (CLP)	2-hexanone	µg/L	13	U		5	13	U		5	NC	Agreement	Use reporting limit	--
EPAMW14	Y3ET8	Y3ET9	22-Aug-07	Volatile Organics (CLP)	4-methyl-2-pentanone	µg/L	13	U		5	13	U		5	NC	Agreement	Use reporting limit	--
EPAMW14	Y3ET8	Y3ET9	22-Aug-07	Volatile Organics (CLP)	acetone	µg/L	13	U		5	13	U		5	NC	Agreement	Use reporting limit	--
EPAMW14	Y3ET8	Y3ET9	22-Aug-07	Volatile Organics (CLP)	benzene	µg/L	1.3	U		0.5	1.3	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y3ET8	Y3ET9	22-Aug-07	Volatile Organics (CLP)	bromochloromethane	µg/L	1.3	U		0.5	1.3	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y3ET8	Y3ET9	22-Aug-07	Volatile Organics (CLP)	bromodichloromethane	µg/L	1.3	U		0.5	1.3	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y3ET8	Y3ET9	22-Aug-07	Volatile Organics (CLP)	bromoform	µg/L	1.3	U		0.5	1.3	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y3ET8	Y3ET9	22-Aug-07	Volatile Organics (CLP)	bromomethane	µg/L	1.3	U		0.5	1.3	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y3ET8	Y3ET9	22-Aug-07	Volatile Organics (CLP)	carbon disulfide	µg/L	1.3	U		0.5	1.3	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y3ET8	Y3ET9	22-Aug-07	Volatile Organics (CLP)	carbon tetrachloride	µg/L	1.3	U		0.5	1.3	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y3ET8	Y3ET9	22-Aug-07	Volatile Organics (CLP)	chlorobenzene	µg/L	1.3	U		0.5	1.3	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y3ET8	Y3ET9	22-Aug-07	Volatile Organics (CLP)	chloroethane	µg/L	1.3	U		0.5	1.3	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y3ET8	Y3ET9	22-Aug-07	Volatile Organics (CLP)	chloroform	µg/L	1.3	U		0.5	1.3	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y3ET8	Y3ET9	22-Aug-07	Volatile Organics (CLP)	chloromethane	µg/L	1.3	U		0.5	1.3	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y3ET8	Y3ET9	22-Aug-07	Volatile Organics (CLP)	cis-1,2-dichloroethene	µg/L	**4.2**			0.5	**4.4**			0.5	**4.7%**	Agreement	Use higher concentration	--
EPAMW14	Y3ET8	Y3ET9	22-Aug-07	Volatile Organics (CLP)	cis-1,3-dichloropropene	µg/L	1.3	UJ		0.5	1.3	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y3ET8	Y3ET9	22-Aug-07	Volatile Organics (CLP)	cyclohexane	µg/L	1.3	U		0.5	1.3	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y3ET8	Y3ET9	22-Aug-07	Volatile Organics (CLP)	dibromochloromethane	µg/L	1.3	U		0.5	1.3	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y3ET8	Y3ET9	22-Aug-07	Volatile Organics (CLP)	dibromochloropropane	µg/L	1.3	U		0.5	1.3	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y3ET8	Y3ET9	22-Aug-07	Volatile Organics (CLP)	dichlorodifluoromethane	µg/L	1.3	U		0.5	1.3	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y3ET8	Y3ET9	22-Aug-07	Volatile Organics (CLP)	ethylbenzene	µg/L	1.3	U		0.5	1.3	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y3ET8	Y3ET9	22-Aug-07	Volatile Organics (CLP)	isopropylbenzene	µg/L	1.3	U		0.5	1.3	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y3ET8	Y3ET9	22-Aug-07	Volatile Organics (CLP)	m,p-xylene	µg/L	1.3	U		0.5	1.3	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y3ET8	Y3ET9	22-Aug-07	Volatile Organics (CLP)	methyl ester acetic acid	µg/L	1.3	U		0.5	1.3	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y3ET8	Y3ET9	22-Aug-07	Volatile Organics (CLP)	methyl tert-butyl ether	µg/L	1.3	U		0.5	1.3	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y3ET8	Y3ET9	22-Aug-07	Volatile Organics (CLP)	methylcyclohexane	µg/L	1.3	U		0.5	1.3	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y3ET8	Y3ET9	22-Aug-07	Volatile Organics (CLP)	methylene chloride	µg/L	1.3	U		0.5	1.3	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y3ET8	Y3ET9	22-Aug-07	Volatile Organics (CLP)	o-xylene	µg/L	1.3	U		0.5	1.3	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y3ET8	Y3ET9	22-Aug-07	Volatile Organics (CLP)	styrene	µg/L	1.3	U		0.5	1.3	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y3ET8	Y3ET9	22-Aug-07	Volatile Organics (CLP)	tert-butyl alcohol	µg/L	13	U		5	13	U		5	NC	Agreement	Use reporting limit	--
EPAMW14	Y3ET8	Y3ET9	22-Aug-07	Volatile Organics (CLP)	tetrachloroethene	µg/L	**0.84**	**J**		0.5	**0.73**	**J**		0.5	**14.0%**	Agreement	Use higher concentration	--
EPAMW14	Y3ET8	Y3ET9	22-Aug-07	Volatile Organics (CLP)	toluene	µg/L	1.3	U		0.5	1.3	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y3ET8	Y3ET9	22-Aug-07	Volatile Organics (CLP)	trans-1,2-dichloroethene	µg/L	1.3	U		0.5	1.3	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y3ET8	Y3ET9	22-Aug-07	Volatile Organics (CLP)	trans-1,3-dichloropropene	µg/L	1.3	UJ		0.5	1.3	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y3ET8	Y3ET9	22-Aug-07	Volatile Organics (CLP)	trichloroethene	µg/L	**20**			0.5	**19**			0.5	**5.1%**	Agreement	Use higher concentration	--
EPAMW14	Y3ET8	Y3ET9	22-Aug-07	Volatile Organics (CLP)	trichlorofluoromethane	µg/L	1.3	U		0.5	1.3	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW14	Y3ET8	Y3ET9	22-Aug-07	Volatile Organics (CLP)	vinyl chloride	µg/L	1.3	U		0.5	1.3	U		0.5	NC	Agreement	Use reporting limit	--

Notes:
[1]Relative percent difference calculated using the equation %RPD = ((N-D)/(N+D))/2.
[2]Table C-3 provides EPA's criteria for comparing field duplicate sample results.
[3]The reporting criteria for field duplicates are designed to ensure that the most conservative data set in terms of protection of human health and the environment.

D = Field Duplicate
N = Primary Sample
mg/L = milligram(s) per liter
µg/L = microgram(s) per liter
ng/L = nanogram(s) per liter
NC = RPD not calculated
RPD = relative percent difference
-- = comparison to criterion not required due to data agreement.

Qualifiers
J = Estimated Value
LJ = Estimated Value, Result May be Biased Low
R = Rejected
U = Non-Detect
UJ = Non-Detect Estimated Value
UR = Rejected Non-Detect

Location	Parent Sample ID	Field Duplicate ID	Sample Date	Analysis Method	Parameter	Units	Parent Sample Results				Field Duplicate Results				RPD[1]	Conclusion[2]	Reporting Criteria[3]	Comparison to Evaluation Criterion in event of Disagreement or Major Disagreement
							Result	Q	DL	RL	Result	Q	DL	RL				
EPAMW15	Y1DP6	Y1DP7	04-Aug-04	Volatile Organics (CLP)	1,1,1-trichloroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y1DP6	Y1DP7	04-Aug-04	Volatile Organics (CLP)	1,1,2,2-tetrachloroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y1DP6	Y1DP7	04-Aug-04	Volatile Organics (CLP)	1,1,2-trichloro-1,2,2-trifluoroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y1DP6	Y1DP7	04-Aug-04	Volatile Organics (CLP)	1,1,2-trichloroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y1DP6	Y1DP7	04-Aug-04	Volatile Organics (CLP)	1,1-dichloroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y1DP6	Y1DP7	04-Aug-04	Volatile Organics (CLP)	1,1-dichloroethene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y1DP6	Y1DP7	04-Aug-04	Volatile Organics (CLP)	1,2,3-trichlorobenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y1DP6	Y1DP7	04-Aug-04	Volatile Organics (CLP)	1,2,4-trichlorobenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y1DP6	Y1DP7	04-Aug-04	Volatile Organics (CLP)	1,2-dibromoethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y1DP6	Y1DP7	04-Aug-04	Volatile Organics (CLP)	1,2-dichlorobenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y1DP6	Y1DP7	04-Aug-04	Volatile Organics (CLP)	1,2-dichloroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y1DP6	Y1DP7	04-Aug-04	Volatile Organics (CLP)	1,2-dichloropropane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y1DP6	Y1DP7	04-Aug-04	Volatile Organics (CLP)	1,3-dichlorobenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y1DP6	Y1DP7	04-Aug-04	Volatile Organics (CLP)	1,4-dichlorobenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y1DP6	Y1DP7	04-Aug-04	Volatile Organics (CLP)	2-butanone	µg/L	5	UJ			5	UJ			NC	Agreement	Use reporting limit	--
EPAMW15	Y1DP6	Y1DP7	04-Aug-04	Volatile Organics (CLP)	2-hexanone	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW15	Y1DP6	Y1DP7	04-Aug-04	Volatile Organics (CLP)	4-methyl-2-pentanone	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW15	Y1DP6	Y1DP7	04-Aug-04	Volatile Organics (CLP)	acetone	µg/L	5	UJ			5	UJ		5	NC	Agreement	Use reporting limit	--
EPAMW15	Y1DP6	Y1DP7	04-Aug-04	Volatile Organics (CLP)	benzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y1DP6	Y1DP7	04-Aug-04	Volatile Organics (CLP)	bromochloromethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y1DP6	Y1DP7	04-Aug-04	Volatile Organics (CLP)	bromodichloromethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y1DP6	Y1DP7	04-Aug-04	Volatile Organics (CLP)	bromoform	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y1DP6	Y1DP7	04-Aug-04	Volatile Organics (CLP)	bromomethane	µg/L	0.5	UJ		0.5	0.5	UJ		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y1DP6	Y1DP7	04-Aug-04	Volatile Organics (CLP)	carbon disulfide	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y1DP6	Y1DP7	04-Aug-04	Volatile Organics (CLP)	carbon tetrachloride	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y1DP6	Y1DP7	04-Aug-04	Volatile Organics (CLP)	chlorobenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y1DP6	Y1DP7	04-Aug-04	Volatile Organics (CLP)	chloroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y1DP6	Y1DP7	04-Aug-04	Volatile Organics (CLP)	chloroform	µg/L	0.5	U		0.5	**0.12**	**LJ**			NC	Agreement	Use positive result	--
EPAMW15	Y1DP6	Y1DP7	04-Aug-04	Volatile Organics (CLP)	chloromethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y1DP6	Y1DP7	04-Aug-04	Volatile Organics (CLP)	cis-1,2-dichloroethene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y1DP6	Y1DP7	04-Aug-04	Volatile Organics (CLP)	cis-1,3-dichloropropene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y1DP6	Y1DP7	04-Aug-04	Volatile Organics (CLP)	cyclohexane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y1DP6	Y1DP7	04-Aug-04	Volatile Organics (CLP)	dibromochloromethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y1DP6	Y1DP7	04-Aug-04	Volatile Organics (CLP)	dibromochloropropane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y1DP6	Y1DP7	04-Aug-04	Volatile Organics (CLP)	dichlorodifluoromethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y1DP6	Y1DP7	04-Aug-04	Volatile Organics (CLP)	ethylbenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y1DP6	Y1DP7	04-Aug-04	Volatile Organics (CLP)	isopropylbenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y1DP6	Y1DP7	04-Aug-04	Volatile Organics (CLP)	methyl ester acetic acid	µg/L	0.5	UJ		0.5	0.5	UJ		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y1DP6	Y1DP7	04-Aug-04	Volatile Organics (CLP)	methyl tert-butyl ether	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y1DP6	Y1DP7	04-Aug-04	Volatile Organics (CLP)	methylcyclohexane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y1DP6	Y1DP7	04-Aug-04	Volatile Organics (CLP)	methylene chloride	µg/L	0.5	UJ			0.5	UJ			NC	Agreement	Use reporting limit	--

Notes:

[1]Relative percent difference calculated using the equation %RPD = ((N-D)/(N+D))/2.

[2]Table C-3 provides EPA's criteria for comparing field duplicate sample results.

[3]The reporting criteria for field duplicates are designed to ensure that the most conservative data set in terms of protection of human health and the environment.

D = Field Duplicate
N = Primary Sample
mg/L = milligram(s) per liter
µg/L = microgram(s) per liter
ng/L = nanogram(s) per liter
NC = RPD not calculated
RPD = relative percent difference
-- = comparison to criterion not required due to data agreement.

Qualifiers
J = Estimated Value
LJ = Estimated Value, Result May be Biased Low
R = Rejected
U = Non-Detect
UJ = Non-Detect Estimated Value
UR = Rejected Non-Detect

TABLE C-4
Field Duplicate Evaluation
Remedial Investigation
San Gabriel Valley Area 3 Superfund Site

Location	Parent Sample ID	Field Duplicate ID	Sample Date	Analysis Method	Parameter	Units	Parent Sample Results				Field Duplicate Results				RPD[1]	Conclusion[2]	Reporting Criteria[3]	Comparison to Evaluation Criterion in event of Disagreement or Major Disagreement
							Result	Q	DL	RL	Result	Q	DL	RL				
EPAMW15	Y1DP6	Y1DP7	04-Aug-04	Volatile Organics (CLP)	styrene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y1DP6	Y1DP7	04-Aug-04	Volatile Organics (CLP)	tetrachloroethene	µg/L	**14**				**22**				**44.4%**	Disagreement	Use higher concentration	Both concentrations exceed MCL
EPAMW15	Y1DP6	Y1DP7	04-Aug-04	Volatile Organics (CLP)	toluene	µg/L	0.5	UJ			0.5	UJ			NC	Agreement	Use reporting limit	--
EPAMW15	Y1DP6	Y1DP7	04-Aug-04	Volatile Organics (CLP)	total xylenes	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y1DP6	Y1DP7	04-Aug-04	Volatile Organics (CLP)	trans-1,2-dichloroethene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y1DP6	Y1DP7	04-Aug-04	Volatile Organics (CLP)	trans-1,3-dichloropropene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y1DP6	Y1DP7	04-Aug-04	Volatile Organics (CLP)	trichloroethene	µg/L	**0.89**				**1.5**				**51.0%**	Disagreement	Use higher concentration	Both concentrations do not exceed MCL
EPAMW15	Y1DP6	Y1DP7	04-Aug-04	Volatile Organics (CLP)	trichlorofluoromethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y1DP6	Y1DP7	04-Aug-04	Volatile Organics (CLP)	vinyl chloride	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y1P32	Y1P33	17-Feb-05	Volatile Organics (CLP)	1,1,1-trichloroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y1P32	Y1P33	17-Feb-05	Volatile Organics (CLP)	1,1,2,2-tetrachloroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y1P32	Y1P33	17-Feb-05	Volatile Organics (CLP)	1,1,2-trichloro-1,2,2-trifluoroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y1P32	Y1P33	17-Feb-05	Volatile Organics (CLP)	1,1,2-trichloroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y1P32	Y1P33	17-Feb-05	Volatile Organics (CLP)	1,1-dichloroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y1P32	Y1P33	17-Feb-05	Volatile Organics (CLP)	1,1-dichloroethene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y1P32	Y1P33	17-Feb-05	Volatile Organics (CLP)	1,2,3-trichlorobenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y1P32	Y1P33	17-Feb-05	Volatile Organics (CLP)	1,2,4-trichlorobenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y1P32	Y1P33	17-Feb-05	Volatile Organics (CLP)	1,2-dibromoethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y1P32	Y1P33	17-Feb-05	Volatile Organics (CLP)	1,2-dichlorobenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y1P32	Y1P33	17-Feb-05	Volatile Organics (CLP)	1,2-dichloroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y1P32	Y1P33	17-Feb-05	Volatile Organics (CLP)	1,2-dichloropropane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y1P32	Y1P33	17-Feb-05	Volatile Organics (CLP)	1,3-dichlorobenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y1P32	Y1P33	17-Feb-05	Volatile Organics (CLP)	1,4-dichlorobenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y1P32	Y1P33	17-Feb-05	Volatile Organics (CLP)	2-butanone	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW15	Y1P32	Y1P33	17-Feb-05	Volatile Organics (CLP)	2-hexanone	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW15	Y1P32	Y1P33	17-Feb-05	Volatile Organics (CLP)	4-methyl-2-pentanone	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW15	Y1P32	Y1P33	17-Feb-05	Volatile Organics (CLP)	acetone	µg/L	5	U		5	**3.3**	**J**		5	NC	Agreement	Use positive result	--
EPAMW15	Y1P32	Y1P33	17-Feb-05	Volatile Organics (CLP)	benzene	µg/L	**0.14**	**J**		0.5	**0.14**	**J**		0.5	**0.0%**	Agreement	Use detected concentration	--
EPAMW15	Y1P32	Y1P33	17-Feb-05	Volatile Organics (CLP)	bromochloromethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y1P32	Y1P33	17-Feb-05	Volatile Organics (CLP)	bromodichloromethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y1P32	Y1P33	17-Feb-05	Volatile Organics (CLP)	bromoform	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y1P32	Y1P33	17-Feb-05	Volatile Organics (CLP)	bromomethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y1P32	Y1P33	17-Feb-05	Volatile Organics (CLP)	carbon disulfide	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y1P32	Y1P33	17-Feb-05	Volatile Organics (CLP)	carbon tetrachloride	µg/L	0.5	UJ		0.5	0.5	UJ		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y1P32	Y1P33	17-Feb-05	Volatile Organics (CLP)	chlorobenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y1P32	Y1P33	17-Feb-05	Volatile Organics (CLP)	chloroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y1P32	Y1P33	17-Feb-05	Volatile Organics (CLP)	chloroform	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y1P32	Y1P33	17-Feb-05	Volatile Organics (CLP)	chloromethane	µg/L	0.5	UJ		0.5	0.5	UJ		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y1P32	Y1P33	17-Feb-05	Volatile Organics (CLP)	cis-1,2-dichloroethene	µg/L	0.5	UJ		0.5	0.5	UJ		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y1P32	Y1P33	17-Feb-05	Volatile Organics (CLP)	cis-1,3-dichloropropene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y1P32	Y1P33	17-Feb-05	Volatile Organics (CLP)	cyclohexane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--

Notes:
[1]Relative percent difference calculated using the equation %RPD = ((N-D)/(N+D))/2.
[2]Table C-3 provides EPA's criteria for comparing field duplicate sample results.
[3]The reporting criteria for field duplicates are designed to ensure that the most conservative data set in terms of protection of human health and the environment.

D = Field Duplicate
N = Primary Sample
mg/L = milligram(s) per liter
µg/L = microgram(s) per liter
ng/L = nanogram(s) per liter
NC = RPD not calculated
RPD = relative percent difference
-- = comparison to criterion not required due to data agreement.

Qualifiers
J = Estimated Value
LJ = Estimated Value, Result May be Biased Low
R = Rejected
U = Non-Detect
UJ = Non-Detect Estimated Value
UR = Rejected Non-Detect

TABLE C-4
Field Duplicate Evaluation
Remedial Investigation
San Gabriel Valley Area 3 Superfund Site

Location	Parent Sample ID	Field Duplicate ID	Sample Date	Analysis Method	Parameter	Units	Parent Sample Results				Field Duplicate Results				RPD[1]	Conclusion[2]	Reporting Criteria[3]	Comparison to Evaluation Criterion in event of Disagreement or Major Disagreement
							Result	Q	DL	RL	Result	Q	DL	RL				
EPAMW15	Y1P32	Y1P33	17-Feb-05	Volatile Organics (CLP)	dibromochloromethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y1P32	Y1P33	17-Feb-05	Volatile Organics (CLP)	dibromochloropropane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y1P32	Y1P33	17-Feb-05	Volatile Organics (CLP)	dichlorodifluoromethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y1P32	Y1P33	17-Feb-05	Volatile Organics (CLP)	ethylbenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y1P32	Y1P33	17-Feb-05	Volatile Organics (CLP)	isopropylbenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y1P32	Y1P33	17-Feb-05	Volatile Organics (CLP)	methyl ester acetic acid	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y1P32	Y1P33	17-Feb-05	Volatile Organics (CLP)	methyl tert-butyl ether	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y1P32	Y1P33	17-Feb-05	Volatile Organics (CLP)	methylcyclohexane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y1P32	Y1P33	17-Feb-05	Volatile Organics (CLP)	methylene chloride	µg/L	**0.11**	**J**		0.5	**0.42**	**J**		0.5	**117.0%**	Major Disagreement	Use higher concentration	Both concentrations do not exceed MCL
EPAMW15	Y1P32	Y1P33	17-Feb-05	Volatile Organics (CLP)	styrene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y1P32	Y1P33	17-Feb-05	Volatile Organics (CLP)	tert-butyl alcohol	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW15	Y1P32	Y1P33	17-Feb-05	Volatile Organics (CLP)	tetrachloroethene	µg/L	**0.61**			0.5	**0.77**			0.5	**23.2%**	Agreement	Use higher concentration	--
EPAMW15	Y1P32	Y1P33	17-Feb-05	Volatile Organics (CLP)	toluene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y1P32	Y1P33	17-Feb-05	Volatile Organics (CLP)	total xylenes	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y1P32	Y1P33	17-Feb-05	Volatile Organics (CLP)	trans-1,2-dichloroethene	µg/L	0.5	UJ		0.5	0.5	UJ		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y1P32	Y1P33	17-Feb-05	Volatile Organics (CLP)	trans-1,3-dichloropropene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y1P32	Y1P33	17-Feb-05	Volatile Organics (CLP)	trichloroethene	µg/L	**0.57**				**0.71**				**21.9%**	Agreement	Use higher concentration	--
EPAMW15	Y1P32	Y1P33	17-Feb-05	Volatile Organics (CLP)	trichlorofluoromethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y1P32	Y1P33	17-Feb-05	Volatile Organics (CLP)	vinyl chloride	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y1XA8	Y1XA9	19-May-05	Volatile Organics (CLP)	1,1,1-trichloroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y1XA8	Y1XA9	19-May-05	Volatile Organics (CLP)	1,1,2,2-tetrachloroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y1XA8	Y1XA9	19-May-05	Volatile Organics (CLP)	1,1,2-trichloro-1,2,2-trifluoroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y1XA8	Y1XA9	19-May-05	Volatile Organics (CLP)	1,1,2-trichloroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y1XA8	Y1XA9	19-May-05	Volatile Organics (CLP)	1,1-dichloroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y1XA8	Y1XA9	19-May-05	Volatile Organics (CLP)	1,1-dichloroethene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y1XA8	Y1XA9	19-May-05	Volatile Organics (CLP)	1,2,3-trichlorobenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y1XA8	Y1XA9	19-May-05	Volatile Organics (CLP)	1,2,4-trichlorobenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y1XA8	Y1XA9	19-May-05	Volatile Organics (CLP)	1,2-dibromoethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y1XA8	Y1XA9	19-May-05	Volatile Organics (CLP)	1,2-dichlorobenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y1XA8	Y1XA9	19-May-05	Volatile Organics (CLP)	1,2-dichloroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y1XA8	Y1XA9	19-May-05	Volatile Organics (CLP)	1,2-dichloropropane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y1XA8	Y1XA9	19-May-05	Volatile Organics (CLP)	1,3-dichlorobenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y1XA8	Y1XA9	19-May-05	Volatile Organics (CLP)	1,4-dichlorobenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y1XA8	Y1XA9	19-May-05	Volatile Organics (CLP)	2-butanone	µg/L	5	UJ		5	5	UJ		5	NC	Agreement	Use reporting limit	--
EPAMW15	Y1XA8	Y1XA9	19-May-05	Volatile Organics (CLP)	2-hexanone	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW15	Y1XA8	Y1XA9	19-May-05	Volatile Organics (CLP)	4-methyl-2-pentanone	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW15	Y1XA8	Y1XA9	19-May-05	Volatile Organics (CLP)	acetone	µg/L	5	UJ			5	UJ			NC	Agreement	Use reporting limit	--
EPAMW15	Y1XA8	Y1XA9	19-May-05	Volatile Organics (CLP)	benzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y1XA8	Y1XA9	19-May-05	Volatile Organics (CLP)	bromochloromethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y1XA8	Y1XA9	19-May-05	Volatile Organics (CLP)	bromodichloromethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y1XA8	Y1XA9	19-May-05	Volatile Organics (CLP)	bromoform	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--

Notes:
[1]Relative percent difference calculated using the equation %RPD = ((N-D)/(N+D))/2.
[2]Table C-3 provides EPA's criteria for comparing field duplicate sample results.
[3]The reporting criteria for field duplicates are designed to ensure that the most conservative data set in terms of protection of human health and the environment.

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Location	Parent Sample ID	Field Duplicate ID	Sample Date	Analysis Method	Parameter	Units	Parent Sample Results				Field Duplicate Results				RPD[1]	Conclusion[2]	Reporting Criteria[3]	Comparison to Evaluation Criterion in event of Disagreement or Major Disagreement
							Result	Q	DL	RL	Result	Q	DL	RL				
EPAMW15	Y1XA8	Y1XA9	19-May-05	Volatile Organics (CLP)	bromomethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y1XA8	Y1XA9	19-May-05	Volatile Organics (CLP)	carbon disulfide	µg/L	**0.12**	**LJ**			0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y1XA8	Y1XA9	19-May-05	Volatile Organics (CLP)	carbon tetrachloride	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y1XA8	Y1XA9	19-May-05	Volatile Organics (CLP)	chlorobenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y1XA8	Y1XA9	19-May-05	Volatile Organics (CLP)	chloroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y1XA8	Y1XA9	19-May-05	Volatile Organics (CLP)	chloroform	µg/L	0.5	U		0.5	**0.11**	**LJ**			NC	Agreement	Use positive result	--
EPAMW15	Y1XA8	Y1XA9	19-May-05	Volatile Organics (CLP)	chloromethane	µg/L	**0.36**	**LJ**			**0.38**	**LJ**			**5.4%**	Agreement	Use higher concentration	--
EPAMW15	Y1XA8	Y1XA9	19-May-05	Volatile Organics (CLP)	cis-1,2-dichloroethene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y1XA8	Y1XA9	19-May-05	Volatile Organics (CLP)	cis-1,3-dichloropropene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y1XA8	Y1XA9	19-May-05	Volatile Organics (CLP)	cyclohexane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y1XA8	Y1XA9	19-May-05	Volatile Organics (CLP)	dibromochloromethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y1XA8	Y1XA9	19-May-05	Volatile Organics (CLP)	dibromochloropropane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y1XA8	Y1XA9	19-May-05	Volatile Organics (CLP)	dichlorodifluoromethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y1XA8	Y1XA9	19-May-05	Volatile Organics (CLP)	ethylbenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y1XA8	Y1XA9	19-May-05	Volatile Organics (CLP)	isopropylbenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y1XA8	Y1XA9	19-May-05	Volatile Organics (CLP)	methyl ester acetic acid	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y1XA8	Y1XA9	19-May-05	Volatile Organics (CLP)	methyl tert-butyl ether	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y1XA8	Y1XA9	19-May-05	Volatile Organics (CLP)	methylcyclohexane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y1XA8	Y1XA9	19-May-05	Volatile Organics (CLP)	methylene chloride	µg/L	0.5	UJ			0.5	UJ			NC	Agreement	Use reporting limit	--
EPAMW15	Y1XA8	Y1XA9	19-May-05	Volatile Organics (CLP)	styrene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y1XA8	Y1XA9	19-May-05	Volatile Organics (CLP)	tert-butyl alcohol	µg/L	8	UJ			5	UJ		5	NC	Agreement	Use reporting limit	--
EPAMW15	Y1XA8	Y1XA9	19-May-05	Volatile Organics (CLP)	tetrachloroethene	µg/L	**2.6**				**2.8**				**7.4%**	Agreement	Use higher concentration	--
EPAMW15	Y1XA8	Y1XA9	19-May-05	Volatile Organics (CLP)	toluene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y1XA8	Y1XA9	19-May-05	Volatile Organics (CLP)	total xylenes	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y1XA8	Y1XA9	19-May-05	Volatile Organics (CLP)	trans-1,2-dichloroethene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y1XA8	Y1XA9	19-May-05	Volatile Organics (CLP)	trans-1,3-dichloropropene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y1XA8	Y1XA9	19-May-05	Volatile Organics (CLP)	trichloroethene	µg/L	**2.2**				**2.4**				**8.7%**	Agreement	Use higher concentration	--
EPAMW15	Y1XA8	Y1XA9	19-May-05	Volatile Organics (CLP)	trichlorofluoromethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y1XA8	Y1XA9	19-May-05	Volatile Organics (CLP)	vinyl chloride	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y1JD0	Y1JD1	10-Nov-04	Volatile Organics (CLP)	1,1,1-trichloroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y1JD0	Y1JD1	10-Nov-04	Volatile Organics (CLP)	1,1,2,2-tetrachloroethane	µg/L	0.5	U		0.5	0.5	UJ		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y1JD0	Y1JD1	10-Nov-04	Volatile Organics (CLP)	1,1,2-trichloro-1,2,2-trifluoroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y1JD0	Y1JD1	10-Nov-04	Volatile Organics (CLP)	1,1,2-trichloroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y1JD0	Y1JD1	10-Nov-04	Volatile Organics (CLP)	1,1-dichloroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y1JD0	Y1JD1	10-Nov-04	Volatile Organics (CLP)	1,1-dichloroethene	µg/L	**0.19**	**LJ**		0.5	0.5	U		0.5	NC	Agreement	Use positive result	--
EPAMW15	Y1JD0	Y1JD1	10-Nov-04	Volatile Organics (CLP)	1,2,3-trichlorobenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y1JD0	Y1JD1	10-Nov-04	Volatile Organics (CLP)	1,2,4-trichlorobenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y1JD0	Y1JD1	10-Nov-04	Volatile Organics (CLP)	1,2-dibromoethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y1JD0	Y1JD1	10-Nov-04	Volatile Organics (CLP)	1,2-dichlorobenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y1JD0	Y1JD1	10-Nov-04	Volatile Organics (CLP)	1,2-dichloroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y1JD0	Y1JD1	10-Nov-04	Volatile Organics (CLP)	1,2-dichloropropane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--

Notes:
[1]Relative percent difference calculated using the equation %RPD = ((N-D)/(N+D))/2.
[2]Table C-3 provides EPA's criteria for comparing field duplicate sample results.
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San Gabriel Valley Area 3 Superfund Site

Location	Parent Sample ID	Field Duplicate ID	Sample Date	Analysis Method	Parameter	Units	Parent Sample Results				Field Duplicate Results				RPD[1]	Conclusion[2]	Reporting Criteria[3]	Comparison to Evaluation Criterion in event of Disagreement or Major Disagreement
							Result	Q	DL	RL	Result	Q	DL	RL				
EPAMW15	Y1JD0	Y1JD1	10-Nov-04	Volatile Organics (CLP)	1,3-dichlorobenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y1JD0	Y1JD1	10-Nov-04	Volatile Organics (CLP)	1,4-dichlorobenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y1JD0	Y1JD1	10-Nov-04	Volatile Organics (CLP)	2-butanone	µg/L	5	UJ		5	5	UJ		5	NC	Agreement	Use reporting limit	--
EPAMW15	Y1JD0	Y1JD1	10-Nov-04	Volatile Organics (CLP)	2-hexanone	µg/L	5	U		5	5	UJ		5	NC	Agreement	Use reporting limit	--
EPAMW15	Y1JD0	Y1JD1	10-Nov-04	Volatile Organics (CLP)	4-methyl-2-pentanone	µg/L	5	U		5	5	UJ		5	NC	Agreement	Use reporting limit	--
EPAMW15	Y1JD0	Y1JD1	10-Nov-04	Volatile Organics (CLP)	acetone	µg/L	5	U		5	5	UJ		5	NC	Agreement	Use reporting limit	--
EPAMW15	Y1JD0	Y1JD1	10-Nov-04	Volatile Organics (CLP)	benzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y1JD0	Y1JD1	10-Nov-04	Volatile Organics (CLP)	bromochloromethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y1JD0	Y1JD1	10-Nov-04	Volatile Organics (CLP)	bromodichloromethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y1JD0	Y1JD1	10-Nov-04	Volatile Organics (CLP)	bromoform	µg/L	0.5	UJ		0.5	0.5	UJ		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y1JD0	Y1JD1	10-Nov-04	Volatile Organics (CLP)	bromomethane	µg/L	0.5	UJ		0.5	0.5	UJ		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y1JD0	Y1JD1	10-Nov-04	Volatile Organics (CLP)	carbon disulfide	µg/L	0.5	U		0.5	**0.1**	**LJ**		0.5	NC	Agreement	Use positive result	--
EPAMW15	Y1JD0	Y1JD1	10-Nov-04	Volatile Organics (CLP)	carbon tetrachloride	µg/L	**0.1**	**LJ**		0.5	0.5	U		0.5	NC	Agreement	Use positive result	--
EPAMW15	Y1JD0	Y1JD1	10-Nov-04	Volatile Organics (CLP)	chlorobenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y1JD0	Y1JD1	10-Nov-04	Volatile Organics (CLP)	chloroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y1JD0	Y1JD1	10-Nov-04	Volatile Organics (CLP)	chloroform	µg/L	**0.21**	**LJ**		0.5	**0.17**	**LJ**		0.5	**21.1%**	Agreement	Use higher concentration	--
EPAMW15	Y1JD0	Y1JD1	10-Nov-04	Volatile Organics (CLP)	chloromethane	µg/L	**0.11**	**LJ**		0.5	**0.13**	**LJ**		0.5	**16.7%**	Agreement	Use higher concentration	--
EPAMW15	Y1JD0	Y1JD1	10-Nov-04	Volatile Organics (CLP)	cis-1,2-dichloroethene	µg/L	**0.11**	**LJ**		0.5	0.5	U		0.5	NC	Agreement	Use positive result	--
EPAMW15	Y1JD0	Y1JD1	10-Nov-04	Volatile Organics (CLP)	cis-1,3-dichloropropene	µg/L	0.5	UJ		0.5	0.5	UJ		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y1JD0	Y1JD1	10-Nov-04	Volatile Organics (CLP)	cyclohexane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y1JD0	Y1JD1	10-Nov-04	Volatile Organics (CLP)	dibromochloromethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y1JD0	Y1JD1	10-Nov-04	Volatile Organics (CLP)	dibromochloropropane	µg/L	0.5	U		0.5	0.5	UJ		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y1JD0	Y1JD1	10-Nov-04	Volatile Organics (CLP)	dichlorodifluoromethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y1JD0	Y1JD1	10-Nov-04	Volatile Organics (CLP)	ethylbenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y1JD0	Y1JD1	10-Nov-04	Volatile Organics (CLP)	isopropylbenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y1JD0	Y1JD1	10-Nov-04	Volatile Organics (CLP)	methyl ester acetic acid	µg/L	0.5	UJ		0.5	0.5	UJ		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y1JD0	Y1JD1	10-Nov-04	Volatile Organics (CLP)	methyl tert-butyl ether	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y1JD0	Y1JD1	10-Nov-04	Volatile Organics (CLP)	methylcyclohexane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y1JD0	Y1JD1	10-Nov-04	Volatile Organics (CLP)	methylene chloride	µg/L	0.5	UJ		0.5	0.1	UJ		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y1JD0	Y1JD1	10-Nov-04	Volatile Organics (CLP)	styrene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y1JD0	Y1JD1	10-Nov-04	Volatile Organics (CLP)	tert-butyl alcohol	µg/L	5	UJ		5	5	UR		5	NC	Agreement	Use reporting limit	--
EPAMW15	Y1JD0	Y1JD1	10-Nov-04	Volatile Organics (CLP)	tetrachloroethene	µg/L	**3.6**			0.5	**3.1**			0.5	**14.9%**	Agreement	Use higher concentration	--
EPAMW15	Y1JD0	Y1JD1	10-Nov-04	Volatile Organics (CLP)	toluene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y1JD0	Y1JD1	10-Nov-04	Volatile Organics (CLP)	total xylenes	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y1JD0	Y1JD1	10-Nov-04	Volatile Organics (CLP)	trans-1,2-dichloroethene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y1JD0	Y1JD1	10-Nov-04	Volatile Organics (CLP)	trans-1,3-dichloropropene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y1JD0	Y1JD1	10-Nov-04	Volatile Organics (CLP)	trichloroethene	µg/L	**3.5**			0.5	**2.9**			0.5	**18.8%**	Agreement	Use higher concentration	--
EPAMW15	Y1JD0	Y1JD1	10-Nov-04	Volatile Organics (CLP)	trichlorofluoromethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y1JD0	Y1JD1	10-Nov-04	Volatile Organics (CLP)	vinyl chloride	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y21F2	Y21F3	07-Sep-05	EPA Method 314.0	perchlorate	µg/L	**4.4**		1	2	**3.4**		1	2	**25.6%**	Agreement	Use higher concentration	--
EPAMW15	Y21F2	Y21F3	07-Sep-05	EPA Method 300.0	nitrate (as n)	mg/L	**17**		0.05	0.1	**18**		0.05	0.1	**5.7%**	Agreement	Use higher concentration	--

Notes:
[1]Relative percent difference calculated using the equation %RPD = ((N-D)/(N+D))/2.
[2]Table C-3 provides EPA's criteria for comparing field duplicate sample results.
[3]The reporting criteria for field duplicates are designed to ensure that the most conservative data set in terms of protection of human health and the environment.

D = Field Duplicate
N = Primary Sample
mg/L = milligram(s) per liter
µg/L = microgram(s) per liter
ng/L = nanogram(s) per liter
NC = RPD not calculated
RPD = relative percent difference
-- = comparison to criterion not required due to data agreement.

Qualifiers
J = Estimated Value
LJ = Estimated Value, Result May be Biased Low
R = Rejected
U = Non-Detect
UJ = Non-Detect Estimated Value
UR = Rejected Non-Detect

Location	Parent Sample ID	Field Duplicate ID	Sample Date	Analysis Method	Parameter	Units	Parent Sample Results				Field Duplicate Results				RPD[1]	Conclusion[2]	Reporting Criteria[3]	Comparison to Evaluation Criterion in event of Disagreement or Major Disagreement
							Result	Q	DL	RL	Result	Q	DL	RL				
EPAMW15	Y21F2	Y21F3	07-Sep-05	Volatile Organics (CLP)	1,1,1-trichloroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y21F2	Y21F3	07-Sep-05	Volatile Organics (CLP)	1,1,2,2-tetrachloroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y21F2	Y21F3	07-Sep-05	Volatile Organics (CLP)	1,1,2-trichloro-1,2,2-trifluoroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y21F2	Y21F3	07-Sep-05	Volatile Organics (CLP)	1,1,2-trichloroethane	µg/L	0.5	UJ		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y21F2	Y21F3	07-Sep-05	Volatile Organics (CLP)	1,1-dichloroethane	µg/L	0.5	UJ		0.5	0.5	UJ		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y21F2	Y21F3	07-Sep-05	Volatile Organics (CLP)	1,1-dichloroethene	µg/L	0.5	UJ		0.5	0.5	UJ		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y21F2	Y21F3	07-Sep-05	Volatile Organics (CLP)	1,2,3-trichlorobenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y21F2	Y21F3	07-Sep-05	Volatile Organics (CLP)	1,2,4-trichlorobenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y21F2	Y21F3	07-Sep-05	Volatile Organics (CLP)	1,2-dibromoethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y21F2	Y21F3	07-Sep-05	Volatile Organics (CLP)	1,2-dichlorobenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y21F2	Y21F3	07-Sep-05	Volatile Organics (CLP)	1,2-dichloroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y21F2	Y21F3	07-Sep-05	Volatile Organics (CLP)	1,2-dichloropropane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y21F2	Y21F3	07-Sep-05	Volatile Organics (CLP)	1,3-dichlorobenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y21F2	Y21F3	07-Sep-05	Volatile Organics (CLP)	1,4-dichlorobenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y21F2	Y21F3	07-Sep-05	Volatile Organics (CLP)	2-butanone	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW15	Y21F2	Y21F3	07-Sep-05	Volatile Organics (CLP)	2-hexanone	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW15	Y21F2	Y21F3	07-Sep-05	Volatile Organics (CLP)	4-methyl-2-pentanone	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW15	Y21F2	Y21F3	07-Sep-05	Volatile Organics (CLP)	acetone	µg/L	**2.4**	**J**		5	**3.6**	**J**		5	**40.0%**	Disagreement	Use higher concentration	Evaluation criterion not established
EPAMW15	Y21F2	Y21F3	07-Sep-05	Volatile Organics (CLP)	benzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y21F2	Y21F3	07-Sep-05	Volatile Organics (CLP)	bromochloromethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y21F2	Y21F3	07-Sep-05	Volatile Organics (CLP)	bromodichloromethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y21F2	Y21F3	07-Sep-05	Volatile Organics (CLP)	bromoform	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y21F2	Y21F3	07-Sep-05	Volatile Organics (CLP)	bromomethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y21F2	Y21F3	07-Sep-05	Volatile Organics (CLP)	carbon disulfide	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y21F2	Y21F3	07-Sep-05	Volatile Organics (CLP)	carbon tetrachloride	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y21F2	Y21F3	07-Sep-05	Volatile Organics (CLP)	chlorobenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y21F2	Y21F3	07-Sep-05	Volatile Organics (CLP)	chloroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y21F2	Y21F3	07-Sep-05	Volatile Organics (CLP)	chloroform	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y21F2	Y21F3	07-Sep-05	Volatile Organics (CLP)	chloromethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y21F2	Y21F3	07-Sep-05	Volatile Organics (CLP)	cis-1,2-dichloroethene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y21F2	Y21F3	07-Sep-05	Volatile Organics (CLP)	cis-1,3-dichloropropene	µg/L	0.5	UJ		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y21F2	Y21F3	07-Sep-05	Volatile Organics (CLP)	cyclohexane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y21F2	Y21F3	07-Sep-05	Volatile Organics (CLP)	dibromochloromethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y21F2	Y21F3	07-Sep-05	Volatile Organics (CLP)	dibromochloropropane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y21F2	Y21F3	07-Sep-05	Volatile Organics (CLP)	dichlorodifluoromethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y21F2	Y21F3	07-Sep-05	Volatile Organics (CLP)	ethylbenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y21F2	Y21F3	07-Sep-05	Volatile Organics (CLP)	isopropylbenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y21F2	Y21F3	07-Sep-05	Volatile Organics (CLP)	methyl ester acetic acid	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y21F2	Y21F3	07-Sep-05	Volatile Organics (CLP)	methyl tert-butyl ether	µg/L	0.5	UJ		0.5	0.5	UJ		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y21F2	Y21F3	07-Sep-05	Volatile Organics (CLP)	methylcyclohexane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y21F2	Y21F3	07-Sep-05	Volatile Organics (CLP)	methylene chloride	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--

Notes:
[1]Relative percent difference calculated using the equation %RPD = ((N-D)/(N+D))/2.
[2]Table C-3 provides EPA's criteria for comparing field duplicate sample results.
[3]The reporting criteria for field duplicates are designed to ensure that the most conservative data set in terms of protection of human health and the environment.

D = Field Duplicate
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RPD = relative percent difference
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Qualifiers
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LJ = Estimated Value, Result May be Biased Low
R = Rejected
U = Non-Detect
UJ = Non-Detect Estimated Value
UR = Rejected Non-Detect

Location	Parent Sample ID	Field Duplicate ID	Sample Date	Analysis Method	Parameter	Units	Parent Sample Results				Field Duplicate Results				RPD[1]	Conclusion[2]	Reporting Criteria[3]	Comparison to Evaluation Criterion in event of Disagreement or Major Disagreement
							Result	Q	DL	RL	Result	Q	DL	RL				
EPAMW15	Y21F2	Y21F3	07-Sep-05	Volatile Organics (CLP)	styrene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y21F2	Y21F3	07-Sep-05	Volatile Organics (CLP)	tert-butyl alcohol	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW15	Y21F2	Y21F3	07-Sep-05	Volatile Organics (CLP)	tetrachloroethene	µg/L	**1**			0.5	**0.99**			0.5	**1.0%**	Agreement	Use higher concentration	--
EPAMW15	Y21F2	Y21F3	07-Sep-05	Volatile Organics (CLP)	toluene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y21F2	Y21F3	07-Sep-05	Volatile Organics (CLP)	total xylenes	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y21F2	Y21F3	07-Sep-05	Volatile Organics (CLP)	trans-1,2-dichloroethene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y21F2	Y21F3	07-Sep-05	Volatile Organics (CLP)	trans-1,3-dichloropropene	µg/L	0.5	UJ		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y21F2	Y21F3	07-Sep-05	Volatile Organics (CLP)	trichloroethene	µg/L	**0.75**			0.5	**0.81**			0.5	**7.7%**	Agreement	Use higher concentration	--
EPAMW15	Y21F2	Y21F3	07-Sep-05	Volatile Organics (CLP)	trichlorofluoromethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y21F2	Y21F3	07-Sep-05	Volatile Organics (CLP)	vinyl chloride	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y21F2	Y21F3	07-Sep-05	EPA Method 8270	2,2'-oxybis(1-chloropropane)	µg/L	10	U		10	10	U		10	NC	Agreement	Use reporting limit	--
EPAMW15	Y21F2	Y21F3	07-Sep-05	EPA Method 8270	2,4,5- trichlorophenol	µg/L	25	U		25	25	U		25	NC	Agreement	Use reporting limit	--
EPAMW15	Y21F2	Y21F3	07-Sep-05	EPA Method 8270	2,4-dichlorophenol	µg/L	10	U		10	10	U		10	NC	Agreement	Use reporting limit	--
EPAMW15	Y21F2	Y21F3	07-Sep-05	EPA Method 8270	2,4-dimethylphenol	µg/L	10	U		10	10	U		10	NC	Agreement	Use reporting limit	--
EPAMW15	Y21F2	Y21F3	07-Sep-05	EPA Method 8270	2,4-dinitrophenol	µg/L	25	UJ		25	25	UJ		25	NC	Agreement	Use reporting limit	--
EPAMW15	Y21F2	Y21F3	07-Sep-05	EPA Method 8270	2,4-dinitrotoluene	µg/L	10	U		10	10	U		10	NC	Agreement	Use reporting limit	--
EPAMW15	Y21F2	Y21F3	07-Sep-05	EPA Method 8270	2,6-dinitrotoluene	µg/L	10	U		10	10	U		10	NC	Agreement	Use reporting limit	--
EPAMW15	Y21F2	Y21F3	07-Sep-05	EPA Method 8270	2-chloronaphthalene	µg/L	10	U		10	10	U		10	NC	Agreement	Use reporting limit	--
EPAMW15	Y21F2	Y21F3	07-Sep-05	EPA Method 8270	2-chlorophenol	µg/L	10	U		10	10	U		10	NC	Agreement	Use reporting limit	--
EPAMW15	Y21F2	Y21F3	07-Sep-05	EPA Method 8270	2-methylnaphthalene	µg/L	10	U		10	10	U		10	NC	Agreement	Use reporting limit	--
EPAMW15	Y21F2	Y21F3	07-Sep-05	EPA Method 8270	2-methylphenol	µg/L	10	U		10	10	U		10	NC	Agreement	Use reporting limit	--
EPAMW15	Y21F2	Y21F3	07-Sep-05	EPA Method 8270	2-nitrophenol	µg/L	10	U		10	10	U		10	NC	Agreement	Use reporting limit	--
EPAMW15	Y21F2	Y21F3	07-Sep-05	EPA Method 8270	3-nitroaniline	µg/L	25	U		25	25	U		25	NC	Agreement	Use reporting limit	--
EPAMW15	Y21F2	Y21F3	07-Sep-05	EPA Method 8270	4,6-dinitro-2-methylphenol	µg/L	25	U		25	25	U		25	NC	Agreement	Use reporting limit	--
EPAMW15	Y21F2	Y21F3	07-Sep-05	EPA Method 8270	4-bromophenyl-phenyl ether	µg/L	10	U		10	10	U		10	NC	Agreement	Use reporting limit	--
EPAMW15	Y21F2	Y21F3	07-Sep-05	EPA Method 8270	4-chloro-3-methylphenol	µg/L	10	U		10	10	U		10	NC	Agreement	Use reporting limit	--
EPAMW15	Y21F2	Y21F3	07-Sep-05	EPA Method 8270	4-chloroaniline	µg/L	10	U		10	10	U		10	NC	Agreement	Use reporting limit	--
EPAMW15	Y21F2	Y21F3	07-Sep-05	EPA Method 8270	4-chlorophenyl-phenyl ether	µg/L	10	U		10	10	U		10	NC	Agreement	Use reporting limit	--
EPAMW15	Y21F2	Y21F3	07-Sep-05	EPA Method 8270	4-methylphenol	µg/L	10	U		10	10	U		10	NC	Agreement	Use reporting limit	--
EPAMW15	Y21F2	Y21F3	07-Sep-05	EPA Method 8270	4-nitroaniline	µg/L	25	UJ		25	25	UJ		25	NC	Agreement	Use reporting limit	--
EPAMW15	Y21F2	Y21F3	07-Sep-05	EPA Method 8270	4-nitrophenol	µg/L	25	UJ		25	25	UJ		25	NC	Agreement	Use reporting limit	--
EPAMW15	Y21F2	Y21F3	07-Sep-05	EPA Method 8270	acenaphthene	µg/L	10	U		10	10	U		10	NC	Agreement	Use reporting limit	--
EPAMW15	Y21F2	Y21F3	07-Sep-05	EPA Method 8270	acenaphthylene	µg/L	10	U		10	10	U		10	NC	Agreement	Use reporting limit	--
EPAMW15	Y21F2	Y21F3	07-Sep-05	EPA Method 8270	acetophenone	µg/L	10	U		10	10	U		10	NC	Agreement	Use reporting limit	--
EPAMW15	Y21F2	Y21F3	07-Sep-05	EPA Method 8270	anthracene	µg/L	10	U		10	10	U		10	NC	Agreement	Use reporting limit	--
EPAMW15	Y21F2	Y21F3	07-Sep-05	EPA Method 8270	benzaldehyde	µg/L	10	UJ		10	10	UJ		10	NC	Agreement	Use reporting limit	--
EPAMW15	Y21F2	Y21F3	07-Sep-05	EPA Method 8270	biphenyl	µg/L	10	U		10	10	U		10	NC	Agreement	Use reporting limit	--
EPAMW15	Y21F2	Y21F3	07-Sep-05	EPA Method 8270	butylbenzyl phthalate	µg/L	10	U		10	10	U		10	NC	Agreement	Use reporting limit	--
EPAMW15	Y21F2	Y21F3	07-Sep-05	EPA Method 8270	caprolactam	µg/L	10	U		10	10	U		10	NC	Agreement	Use reporting limit	--
EPAMW15	Y21F2	Y21F3	07-Sep-05	EPA Method 8270	carbazole	µg/L	10	U		10	10	U		10	NC	Agreement	Use reporting limit	--
EPAMW15	Y21F2	Y21F3	07-Sep-05	EPA Method 8270	chrysene	µg/L	10	U		10	10	U		10	NC	Agreement	Use reporting limit	--

Notes:
[1]Relative percent difference calculated using the equation %RPD = ((N-D)/(N+D))/2.
[2]Table C-3 provides EPA's criteria for comparing field duplicate sample results.
[3]The reporting criteria for field duplicates are designed to ensure that the most conservative data set in terms of protection of human health and the environment.

D = Field Duplicate
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Qualifiers
J = Estimated Value
LJ = Estimated Value, Result May be Biased Low
R = Rejected
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UJ = Non-Detect Estimated Value
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TABLE C-4
Field Duplicate Evaluation
Remedial Investigation
San Gabriel Valley Area 3 Superfund Site

Location	Parent Sample ID	Field Duplicate ID	Sample Date	Analysis Method	Parameter	Units	Parent Sample Results				Field Duplicate Results				RPD[1]	Conclusion[2]	Reporting Criteria[3]	Comparison to Evaluation Criterion in event of Disagreement or Major Disagreement
							Result	Q	DL	RL	Result	Q	DL	RL				
EPAMW15	Y21F2	Y21F3	07-Sep-05	EPA Method 8270	dibenzofuran	µg/L	10	U		10	10	U		10	NC	Agreement	Use reporting limit	--
EPAMW15	Y21F2	Y21F3	07-Sep-05	EPA Method 8270	diethyl phthalate	µg/L	10	U		10	10	U		10	NC	Agreement	Use reporting limit	--
EPAMW15	Y21F2	Y21F3	07-Sep-05	EPA Method 8270	dimethyl phthalate	µg/L	10	U		10	10	U		10	NC	Agreement	Use reporting limit	--
EPAMW15	Y21F2	Y21F3	07-Sep-05	EPA Method 8270	di-n-butylphthalate	µg/L	10	U		10	10	U		10	NC	Agreement	Use reporting limit	--
EPAMW15	Y21F2	Y21F3	07-Sep-05	EPA Method 8270	di-n-octyl phthalate	µg/L	10	UJ		10	10	UJ		10	NC	Agreement	Use reporting limit	--
EPAMW15	Y21F2	Y21F3	07-Sep-05	EPA Method 8270	fluoranthene	µg/L	10	U		10	10	U		10	NC	Agreement	Use reporting limit	--
EPAMW15	Y21F2	Y21F3	07-Sep-05	EPA Method 8270	fluorene	µg/L	10	U		10	10	U		10	NC	Agreement	Use reporting limit	--
EPAMW15	Y21F2	Y21F3	07-Sep-05	EPA Method 8270	hexachlorocyclopentadiene	µg/L	10	U		10	10	U		10	NC	Agreement	Use reporting limit	--
EPAMW15	Y21F2	Y21F3	07-Sep-05	EPA Method 8270	isophorone	µg/L	10	U		10	10	U		10	NC	Agreement	Use reporting limit	--
EPAMW15	Y21F2	Y21F3	07-Sep-05	EPA Method 8270	naphthalene	µg/L	10	U		10	10	U		10	NC	Agreement	Use reporting limit	--
EPAMW15	Y21F2	Y21F3	07-Sep-05	EPA Method 8270	n-nitrosodiphenylamine	µg/L	10	U		10	10	U		10	NC	Agreement	Use reporting limit	--
EPAMW15	Y21F2	Y21F3	07-Sep-05	EPA Method 8270	phenanthrene	µg/L	10	U		10	10	U		10	NC	Agreement	Use reporting limit	--
EPAMW15	Y21F2	Y21F3	07-Sep-05	EPA Method 8270	phenol	µg/L	10	U		10	10	U		10	NC	Agreement	Use reporting limit	--
EPAMW15	Y21F2	Y21F3	07-Sep-05	EPA Method 8270	pyrene	µg/L	10	U		10	10	U		10	NC	Agreement	Use reporting limit	--
EPAMW15	Y21F2	Y21F3	07-Sep-05	Dissolved Metal (CLP)	aluminum	µg/L	200	U	14.8	200	200	U	14.8	200	NC	Agreement	Use reporting limit	--
EPAMW15	Y21F2	Y21F3	07-Sep-05	Dissolved Metal (CLP)	antimony	µg/L	**2**	**J**	0.17	2	**2.3**	**J**	0.17	2	**14.0%**	Agreement	Use higher concentration	--
EPAMW15	Y21F2	Y21F3	07-Sep-05	Dissolved Metal (CLP)	arsenic	µg/L	**0.78**	**LJ**	0.21	1	**0.56**	**LJ**	0.21	1	**32.8%**	Disagreement	Use higher concentration	Both concentrations do not exceed MCL
EPAMW15	Y21F2	Y21F3	07-Sep-05	Dissolved Metal (CLP)	barium	µg/L	**42**		0.11	10	**44.7**		0.11	10	**6.2%**	Agreement	Use higher concentration	--
EPAMW15	Y21F2	Y21F3	07-Sep-05	Dissolved Metal (CLP)	beryllium	µg/L	1	U	0.37	1	1	U	0.37	1	NC	Agreement	Use reporting limit	--
EPAMW15	Y21F2	Y21F3	07-Sep-05	Dissolved Metal (CLP)	cadmium	µg/L	1	U	0.18	1	1	U	0.18	1	NC	Agreement	Use reporting limit	--
EPAMW15	Y21F2	Y21F3	07-Sep-05	Dissolved Metal (CLP)	calcium	µg/L	**45200**		43.6	5000	**52100**		43.6	5000	**14.2%**	Agreement	Use higher concentration	--
EPAMW15	Y21F2	Y21F3	07-Sep-05	Dissolved Metal (CLP)	chromium (total)	µg/L	**2.7**		0.19	2	**3**		0.19	2	**10.5%**	Agreement	Use higher concentration	--
EPAMW15	Y21F2	Y21F3	07-Sep-05	Dissolved Metal (CLP)	cobalt	µg/L	1	U	0.22	1	1	U	0.22	1	NC	Agreement	Use reporting limit	--
EPAMW15	Y21F2	Y21F3	07-Sep-05	Dissolved Metal (CLP)	copper	µg/L	2	U	0.23	2	2	U	0.23	2	NC	Agreement	Use reporting limit	--
EPAMW15	Y21F2	Y21F3	07-Sep-05	Dissolved Metal (CLP)	iron	µg/L	100	U	49.8	100	100	U	49.8	100	NC	Agreement	Use reporting limit	--
EPAMW15	Y21F2	Y21F3	07-Sep-05	Dissolved Metal (CLP)	lead	µg/L	1	U	0.16	1	1	U	0.16	1	NC	Agreement	Use reporting limit	--
EPAMW15	Y21F2	Y21F3	07-Sep-05	Dissolved Metal (CLP)	magnesium	µg/L	**17100**		8.8	5000	**18500**		8.8	5000	**7.9%**	Agreement	Use higher concentration	--
EPAMW15	Y21F2	Y21F3	07-Sep-05	Dissolved Metal (CLP)	manganese	µg/L	**4.1**		0.27	1	**5**		0.27	1	**19.8%**	Agreement	Use higher concentration	--
EPAMW15	Y21F2	Y21F3	07-Sep-05	Dissolved Metal (CLP)	mercury	µg/L	0.2	U	0.04	0.2	0.2	U	0.04	0.2	NC	Agreement	Use reporting limit	--
EPAMW15	Y21F2	Y21F3	07-Sep-05	Dissolved Metal (CLP)	molybdenum	µg/L	**5**		0.27	5	**4.3**		0.27	1	**15.1%**	Agreement	Use higher concentration	--
EPAMW15	Y21F2	Y21F3	07-Sep-05	Dissolved Metal (CLP)	nickel	µg/L	**0.8**	**LJ**	0.29	1	**0.51**	**LJ**	0.29	1	**44.3%**	Disagreement	Use higher concentration	Both concentrations do not exceed MCL
EPAMW15	Y21F2	Y21F3	07-Sep-05	Dissolved Metal (CLP)	potassium	µg/L	**2610**	**LJ**	38.7	5000	**2460**	**LJ**	38.7	5000	**5.9%**	Agreement	Use higher concentration	--
EPAMW15	Y21F2	Y21F3	07-Sep-05	Dissolved Metal (CLP)	selenium	µg/L	5	U	0.62	5	**0.9**	**LJ**	0.62	5	NC	Agreement	Use positive result	--
EPAMW15	Y21F2	Y21F3	07-Sep-05	Dissolved Metal (CLP)	silver	µg/L	1	U	0.068	1	1	U	0.068	1	NC	Agreement	Use reporting limit	--
EPAMW15	Y21F2	Y21F3	07-Sep-05	Dissolved Metal (CLP)	sodium	µg/L	**39600**		709	5000	**38200**		709	5000	**3.6%**	Agreement	Use higher concentration	--
EPAMW15	Y21F2	Y21F3	07-Sep-05	Dissolved Metal (CLP)	thallium	µg/L	1	U	0.096	1	1	U	0.096	1	NC	Agreement	Use reporting limit	--
EPAMW15	Y21F2	Y21F3	07-Sep-05	Dissolved Metal (CLP)	vanadium	µg/L	**3.5**		0.45	1	**3.3**		0.45	1	**5.9%**	Agreement	Use higher concentration	--
EPAMW15	Y21F2	Y21F3	07-Sep-05	Dissolved Metal (CLP)	zinc	µg/L	**64.8**	**J**	0.81	2	**63.9**	**J**	0.81	2	**1.4%**	Agreement	Use higher concentration	--
EPAMW15	Y21F2	Y21F3	07-Sep-05	EPA Method 8270-SIM	1,4-dioxane	µg/L	**0.15**			1	**0.16**			1	**6.5%**	Agreement	Use higher concentration	--
EPAMW15	Y2938	Y2940	01-Dec-05	EPA Method 8270	1,2,4,5-tetrachlorobenzene	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW15	Y2938	Y2940	01-Dec-05	EPA Method 8270	1,4-dioxane	µg/L	1	U		1	1	U		1	NC	Agreement	Use reporting limit	--

Notes:
[1]Relative percent difference calculated using the equation %RPD = ((N-D)/(N+D))/2.
[2]Table C-3 provides EPA's criteria for comparing field duplicate sample results.
[3]The reporting criteria for field duplicates are designed to ensure that the most conservative data set in terms of protection of human health and the environment.

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Location	Parent Sample ID	Field Duplicate ID	Sample Date	Analysis Method	Parameter	Units	Parent Sample Results				Field Duplicate Results				RPD[1]	Conclusion[2]	Reporting Criteria[3]	Comparison to Evaluation Criterion in event of Disagreement or Major Disagreement
							Result	Q	DL	RL	Result	Q	DL	RL				
EPAMW15	Y2938	Y2940	01-Dec-05	EPA Method 8270	2,2'-oxybis(1-chloropropane)	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW15	Y2938	Y2940	01-Dec-05	EPA Method 8270	2,4,5- trichlorophenol	µg/L	20	U		20	20	U		20	NC	Agreement	Use reporting limit	--
EPAMW15	Y2938	Y2940	01-Dec-05	EPA Method 8270	2,4,6-trichlorophenol	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW15	Y2938	Y2940	01-Dec-05	EPA Method 8270	2,4-dichlorophenol	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW15	Y2938	Y2940	01-Dec-05	EPA Method 8270	2,4-dimethylphenol	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW15	Y2938	Y2940	01-Dec-05	EPA Method 8270	2,4-dinitrophenol	µg/L	20	U		20	20	U		20	NC	Agreement	Use reporting limit	--
EPAMW15	Y2938	Y2940	01-Dec-05	EPA Method 8270	2,4-dinitrotoluene	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW15	Y2938	Y2940	01-Dec-05	EPA Method 8270	2,6-dinitrotoluene	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW15	Y2938	Y2940	01-Dec-05	EPA Method 8270	2-chloronaphthalene	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW15	Y2938	Y2940	01-Dec-05	EPA Method 8270	2-chlorophenol	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW15	Y2938	Y2940	01-Dec-05	EPA Method 8270	2-methylnaphthalene	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW15	Y2938	Y2940	01-Dec-05	EPA Method 8270	2-methylphenol	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW15	Y2938	Y2940	01-Dec-05	EPA Method 8270	2-nitroaniline	µg/L	20	U		20	20	U		20	NC	Agreement	Use reporting limit	--
EPAMW15	Y2938	Y2940	01-Dec-05	EPA Method 8270	2-nitrophenol	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW15	Y2938	Y2940	01-Dec-05	EPA Method 8270	3,3-dichlorobenzidine	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW15	Y2938	Y2940	01-Dec-05	EPA Method 8270	3-nitroaniline	µg/L	20	U		20	20	U		20	NC	Agreement	Use reporting limit	--
EPAMW15	Y2938	Y2940	01-Dec-05	EPA Method 8270	4,6-dinitro-2-methylphenol	µg/L	20	U		20	20	U		20	NC	Agreement	Use reporting limit	--
EPAMW15	Y2938	Y2940	01-Dec-05	EPA Method 8270	4-bromophenyl-phenyl ether	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW15	Y2938	Y2940	01-Dec-05	EPA Method 8270	4-chloro-3-methylphenol	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW15	Y2938	Y2940	01-Dec-05	EPA Method 8270	4-chloroaniline	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW15	Y2938	Y2940	01-Dec-05	EPA Method 8270	4-chlorophenyl-phenyl ether	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW15	Y2938	Y2940	01-Dec-05	EPA Method 8270	4-methylphenol	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW15	Y2938	Y2940	01-Dec-05	EPA Method 8270	4-nitroaniline	µg/L	20	U		20	20	U		20	NC	Agreement	Use reporting limit	--
EPAMW15	Y2938	Y2940	01-Dec-05	EPA Method 8270	4-nitrophenol	µg/L	20	U		20	20	U		20	NC	Agreement	Use reporting limit	--
EPAMW15	Y2938	Y2940	01-Dec-05	EPA Method 8270	acenaphthene	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW15	Y2938	Y2940	01-Dec-05	EPA Method 8270	acenaphthylene	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW15	Y2938	Y2940	01-Dec-05	EPA Method 8270	acetophenone	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW15	Y2938	Y2940	01-Dec-05	EPA Method 8270	anthracene	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW15	Y2938	Y2940	01-Dec-05	EPA Method 8270	atrazine	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW15	Y2938	Y2940	01-Dec-05	EPA Method 8270	benzaldehyde	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW15	Y2938	Y2940	01-Dec-05	EPA Method 8270	benzo(a)anthracene	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW15	Y2938	Y2940	01-Dec-05	EPA Method 8270	benzo(a)pyrene	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW15	Y2938	Y2940	01-Dec-05	EPA Method 8270	benzo(b)fluoranthene	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW15	Y2938	Y2940	01-Dec-05	EPA Method 8270	benzo(g,h,i)perylene	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW15	Y2938	Y2940	01-Dec-05	EPA Method 8270	benzo(k)fluoranthene	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW15	Y2938	Y2940	01-Dec-05	EPA Method 8270	biphenyl	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW15	Y2938	Y2940	01-Dec-05	EPA Method 8270	bis(2-chloroethoxy)methane	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW15	Y2938	Y2940	01-Dec-05	EPA Method 8270	bis(2-chloroethyl)ether	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW15	Y2938	Y2940	01-Dec-05	EPA Method 8270	bis(2-ethylhexyl)phthalate	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW15	Y2938	Y2940	01-Dec-05	EPA Method 8270	butylbenzyl phthalate	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW15	Y2938	Y2940	01-Dec-05	EPA Method 8270	caprolactam	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--

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							Result	Q	DL	RL	Result	Q	DL	RL				
EPAMW15	Y2938	Y2940	01-Dec-05	EPA Method 8270	chrysene	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW15	Y2938	Y2940	01-Dec-05	EPA Method 8270	dibenzo(a,h)anthracene	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW15	Y2938	Y2940	01-Dec-05	EPA Method 8270	dibenzofuran	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW15	Y2938	Y2940	01-Dec-05	EPA Method 8270	diethyl phthalate	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW15	Y2938	Y2940	01-Dec-05	EPA Method 8270	dimethyl phthalate	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW15	Y2938	Y2940	01-Dec-05	EPA Method 8270	di-n-butylphthalate	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW15	Y2938	Y2940	01-Dec-05	EPA Method 8270	di-n-octyl phthalate	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW15	Y2938	Y2940	01-Dec-05	EPA Method 8270	fluoranthene	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW15	Y2938	Y2940	01-Dec-05	EPA Method 8270	fluorene	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW15	Y2938	Y2940	01-Dec-05	EPA Method 8270	hexachlorobenzene	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW15	Y2938	Y2940	01-Dec-05	EPA Method 8270	hexachlorobutadiene	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW15	Y2938	Y2940	01-Dec-05	EPA Method 8270	hexachlorocyclopentadiene	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW15	Y2938	Y2940	01-Dec-05	EPA Method 8270	hexachloroethane	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW15	Y2938	Y2940	01-Dec-05	EPA Method 8270	indeno(1,2,3-c,d)pyrene	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW15	Y2938	Y2940	01-Dec-05	EPA Method 8270	isophorone	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW15	Y2938	Y2940	01-Dec-05	EPA Method 8270	naphthalene	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW15	Y2938	Y2940	01-Dec-05	EPA Method 8270	nitrobenzene	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW15	Y2938	Y2940	01-Dec-05	EPA Method 8270	n-nitrosodi-n-propylamine	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW15	Y2938	Y2940	01-Dec-05	EPA Method 8270	n-nitrosodiphenylamine	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW15	Y2938	Y2940	01-Dec-05	EPA Method 8270	pentachlorophenol	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW15	Y2938	Y2940	01-Dec-05	EPA Method 8270	phenanthrene	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW15	Y2938	Y2940	01-Dec-05	EPA Method 8270	phenol	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW15	Y2938	Y2940	01-Dec-05	EPA Method 8270	pyrene	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW15	Y2938	Y2940	01-Dec-05	Volatile Organics (CLP)	1,1,1-trichloroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y2938	Y2940	01-Dec-05	Volatile Organics (CLP)	1,1,2,2-tetrachloroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y2938	Y2940	01-Dec-05	Volatile Organics (CLP)	1,1,2-trichloro-1,2,2-trifluoroethane	µg/L	0.5	UJ		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y2938	Y2940	01-Dec-05	Volatile Organics (CLP)	1,1,2-trichloroethane	µg/L	0.5	U		0.5	0.5	UJ		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y2938	Y2940	01-Dec-05	Volatile Organics (CLP)	1,1-dichloroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y2938	Y2940	01-Dec-05	Volatile Organics (CLP)	1,1-dichloroethene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y2938	Y2940	01-Dec-05	Volatile Organics (CLP)	1,2,3-trichlorobenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y2938	Y2940	01-Dec-05	Volatile Organics (CLP)	1,2,4-trichlorobenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y2938	Y2940	01-Dec-05	Volatile Organics (CLP)	1,2-dibromoethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y2938	Y2940	01-Dec-05	Volatile Organics (CLP)	1,2-dichlorobenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y2938	Y2940	01-Dec-05	Volatile Organics (CLP)	1,2-dichloroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y2938	Y2940	01-Dec-05	Volatile Organics (CLP)	1,2-dichloropropane	µg/L	0.5	U		0.5	0.5	UJ		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y2938	Y2940	01-Dec-05	Volatile Organics (CLP)	1,3-dichlorobenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y2938	Y2940	01-Dec-05	Volatile Organics (CLP)	1,4-dichlorobenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y2938	Y2940	01-Dec-05	Volatile Organics (CLP)	2-butanone	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW15	Y2938	Y2940	01-Dec-05	Volatile Organics (CLP)	2-hexanone	µg/L	5	U		5	5	UJ		5	NC	Agreement	Use reporting limit	--
EPAMW15	Y2938	Y2940	01-Dec-05	Volatile Organics (CLP)	4-methyl-2-pentanone	µg/L	5	U		5	5	UJ		5	NC	Agreement	Use reporting limit	--
EPAMW15	Y2938	Y2940	01-Dec-05	Volatile Organics (CLP)	acetone	µg/L	5	U		5	**2.6**	**J**		5	NC	Agreement	Use positive result	--

Notes:
[1]Relative percent difference calculated using the equation %RPD = ((N-D)/(N+D))/2.
[2]Table C-3 provides EPA's criteria for comparing field duplicate sample results.
[3]The reporting criteria for field duplicates are designed to ensure that the most conservative data set in terms of protection of human health and the environment.

D = Field Duplicate
N = Primary Sample
mg/L = milligram(s) per liter
µg/L = microgram(s) per liter
ng/L = nanogram(s) per liter
NC = RPD not calculated
RPD = relative percent difference
-- = comparison to criterion not required due to data agreement.

Qualifiers
J = Estimated Value
LJ = Estimated Value, Result May be Biased Low
R = Rejected
U = Non-Detect
UJ = Non-Detect Estimated Value
UR = Rejected Non-Detect

Location	Parent Sample ID	Field Duplicate ID	Sample Date	Analysis Method	Parameter	Units	Parent Sample Results				Field Duplicate Results				RPD[1]	Conclusion[2]	Reporting Criteria[3]	Comparison to Evaluation Criterion in event of Disagreement or Major Disagreement
							Result	Q	DL	RL	Result	Q	DL	RL				
EPAMW15	Y2938	Y2940	01-Dec-05	Volatile Organics (CLP)	benzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y2938	Y2940	01-Dec-05	Volatile Organics (CLP)	bromochloromethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y2938	Y2940	01-Dec-05	Volatile Organics (CLP)	bromodichloromethane	µg/L	0.5	U		0.5	0.5	UJ		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y2938	Y2940	01-Dec-05	Volatile Organics (CLP)	bromoform	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y2938	Y2940	01-Dec-05	Volatile Organics (CLP)	bromomethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y2938	Y2940	01-Dec-05	Volatile Organics (CLP)	carbon disulfide	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y2938	Y2940	01-Dec-05	Volatile Organics (CLP)	carbon tetrachloride	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y2938	Y2940	01-Dec-05	Volatile Organics (CLP)	chlorobenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y2938	Y2940	01-Dec-05	Volatile Organics (CLP)	chloroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y2938	Y2940	01-Dec-05	Volatile Organics (CLP)	chloroform	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y2938	Y2940	01-Dec-05	Volatile Organics (CLP)	chloromethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y2938	Y2940	01-Dec-05	Volatile Organics (CLP)	cis-1,2-dichloroethene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y2938	Y2940	01-Dec-05	Volatile Organics (CLP)	cis-1,3-dichloropropene	µg/L	0.5	U		0.5	0.5	UJ		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y2938	Y2940	01-Dec-05	Volatile Organics (CLP)	cyclohexane	µg/L	0.5	U		0.5	0.5	UJ		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y2938	Y2940	01-Dec-05	Volatile Organics (CLP)	dibromochloromethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y2938	Y2940	01-Dec-05	Volatile Organics (CLP)	dibromochloropropane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y2938	Y2940	01-Dec-05	Volatile Organics (CLP)	dichlorodifluoromethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y2938	Y2940	01-Dec-05	Volatile Organics (CLP)	ethylbenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y2938	Y2940	01-Dec-05	Volatile Organics (CLP)	isopropylbenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y2938	Y2940	01-Dec-05	Volatile Organics (CLP)	methyl ester acetic acid	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y2938	Y2940	01-Dec-05	Volatile Organics (CLP)	methyl tert-butyl ether	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y2938	Y2940	01-Dec-05	Volatile Organics (CLP)	methylcyclohexane	µg/L	0.5	U		0.5	0.5	UJ		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y2938	Y2940	01-Dec-05	Volatile Organics (CLP)	methylene chloride	µg/L	**0.7**			0.5	**0.53**			0.5	**27.6%**	Agreement	Use higher concentration	--
EPAMW15	Y2938	Y2940	01-Dec-05	Volatile Organics (CLP)	styrene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y2938	Y2940	01-Dec-05	Volatile Organics (CLP)	tert-butyl alcohol	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW15	Y2938	Y2940	01-Dec-05	Volatile Organics (CLP)	tetrachloroethene	µg/L	**2.8**			0.5	**3.9**			0.5	**32.8%**	Disagreement	Use higher concentration	Both concentrations do not exceed MCL
EPAMW15	Y2938	Y2940	01-Dec-05	Volatile Organics (CLP)	toluene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y2938	Y2940	01-Dec-05	Volatile Organics (CLP)	total xylenes	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y2938	Y2940	01-Dec-05	Volatile Organics (CLP)	trans-1,2-dichloroethene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y2938	Y2940	01-Dec-05	Volatile Organics (CLP)	trans-1,3-dichloropropene	µg/L	0.5	U		0.5	0.5	UJ		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y2938	Y2940	01-Dec-05	Volatile Organics (CLP)	trichloroethene	µg/L	**0.3**	**J**		0.5	**0.51**			0.5	**51.9%**	Disagreement	Use higher concentration	Both concentrations do not exceed MCL
EPAMW15	Y2938	Y2940	01-Dec-05	Volatile Organics (CLP)	trichlorofluoromethane	µg/L	0.5	UJ		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y2938	Y2940	01-Dec-05	Volatile Organics (CLP)	vinyl chloride	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	MY2938	MY2940	01-Dec-05	EPA Method 314.0	perchlorate	µg/L	**3.3**		1	2	**3.2**		1	2	**3.1%**	Agreement	Use higher concentration	--
EPAMW15	MY2938	MY2940	01-Dec-05	EPA Method 300.0	nitrate (as n)	mg/L	**14**		0.05	0.1	**14**		0.05	0.1	**0.0%**	Agreement	Use detected concentration	--
EPAMW15	MY2938	MY2940	01-Dec-05	Dissolved Metal (CLP)	aluminum	µg/L	200	U	14.8	200	200	U	14.8	200	NC	Agreement	Use reporting limit	--
EPAMW15	MY2938	MY2940	01-Dec-05	Dissolved Metal (CLP)	antimony	µg/L	2	U	0.045	2	2	U	0.045	2	NC	Agreement	Use reporting limit	--
EPAMW15	MY2938	MY2940	01-Dec-05	Dissolved Metal (CLP)	arsenic	µg/L	**0.36**	**J**	0.041	1	**0.41**	**J**	0.041	1	**13.0%**	Agreement	Use higher concentration	--
EPAMW15	MY2938	MY2940	01-Dec-05	Dissolved Metal (CLP)	barium	µg/L	**42.3**		0.92	10	**43.4**		0.92	10	**2.6%**	Agreement	Use higher concentration	--
EPAMW15	MY2938	MY2940	01-Dec-05	Dissolved Metal (CLP)	beryllium	µg/L	1	U	0.058	1	1	U	0.058	1	NC	Agreement	Use reporting limit	--
EPAMW15	MY2938	MY2940	01-Dec-05	Dissolved Metal (CLP)	cadmium	µg/L	1	U	0.051	1	1	U	0.051	1	NC	Agreement	Use reporting limit	--

Notes:

[1]Relative percent difference calculated using the equation %RPD = ((N-D)/(N+D))/2.

[2]Table C-3 provides EPA's criteria for comparing field duplicate sample results.

[3]The reporting criteria for field duplicates are designed to ensure that the most conservative data set in terms of protection of human health and the environment.

D = Field Duplicate
N = Primary Sample
mg/L = milligram(s) per liter
µg/L = microgram(s) per liter
ng/L = nanogram(s) per liter
NC = RPD not calculated
RPD = relative percent difference
-- = comparison to criterion not required due to data agreement.

Qualifiers
J = Estimated Value
LJ = Estimated Value, Result May be Biased Low
R = Rejected
U = Non-Detect
UJ = Non-Detect Estimated Value
UR = Rejected Non-Detect

TABLE C-4
Field Duplicate Evaluation
Remedial Investigation
San Gabriel Valley Area 3 Superfund Site

Location	Parent Sample ID	Field Duplicate ID	Sample Date	Analysis Method	Parameter	Units	Parent Sample Results				Field Duplicate Results				RPD[1]	Conclusion[2]	Reporting Criteria[3]	Comparison to Evaluation Criterion in event of Disagreement or Major Disagreement
							Result	Q	DL	RL	Result	Q	DL	RL				
EPAMW15	MY2938	MY2940	01-Dec-05	Dissolved Metal (CLP)	calcium	µg/L	**46700**		43.6	5000	**46600**		43.6	5000	**0.2%**	Agreement	Use higher concentration	--
EPAMW15	MY2938	MY2940	01-Dec-05	Dissolved Metal (CLP)	chromium (total)	µg/L	**5.7**		0.058	2	**6.2**		0.058	2	**8.4%**	Agreement	Use higher concentration	--
EPAMW15	MY2938	MY2940	01-Dec-05	Dissolved Metal (CLP)	cobalt	µg/L	1	U	0.045	1	1	U	0.045	1	NC	Agreement	Use reporting limit	--
EPAMW15	MY2938	MY2940	01-Dec-05	Dissolved Metal (CLP)	copper	µg/L	**1.4**	**J**	0.37	2	**0.77**	**J**	0.37	2	**58.1%**	Disagreement	Use higher concentration	Both concentrations do not exceed MCL
EPAMW15	MY2938	MY2940	01-Dec-05	Dissolved Metal (CLP)	iron	µg/L	100	U	49.8	100	100	U	49.8	100	NC	Agreement	Use reporting limit	--
EPAMW15	MY2938	MY2940	01-Dec-05	Dissolved Metal (CLP)	lead	µg/L	1	U	0.22	1	1	U	0.22	1	NC	Agreement	Use reporting limit	--
EPAMW15	MY2938	MY2940	01-Dec-05	Dissolved Metal (CLP)	magnesium	µg/L	**13900**		8.8	5000	**14100**		8.8	5000	**1.4%**	Agreement	Use higher concentration	--
EPAMW15	MY2938	MY2940	01-Dec-05	Dissolved Metal (CLP)	manganese	µg/L	1	U	0.33	1	1	U	0.33	1	NC	Agreement	Use reporting limit	--
EPAMW15	MY2938	MY2940	01-Dec-05	Dissolved Metal (CLP)	mercury	µg/L	0.2	U	0.04	0.2	0.2	U	0.04	0.2	NC	Agreement	Use reporting limit	--
EPAMW15	MY2938	MY2940	01-Dec-05	Dissolved Metal (CLP)	molybdenum	µg/L	**4.7**		0.05	1	**5.1**		0.05	1	**8.2%**	Agreement	Use higher concentration	--
EPAMW15	MY2938	MY2940	01-Dec-05	Dissolved Metal (CLP)	nickel	µg/L	**0.3**	**J**	0.18	1	**0.46**	**J**	0.18	1	**42.1%**	Disagreement	Use higher concentration	Both concentrations do not exceed MCL
EPAMW15	MY2938	MY2940	01-Dec-05	Dissolved Metal (CLP)	potassium	µg/L	**1790**	**J**	38.7	5000	**1810**	**J**	38.7	5000	**1.1%**	Agreement	Use higher concentration	--
EPAMW15	MY2938	MY2940	01-Dec-05	Dissolved Metal (CLP)	selenium	µg/L	**0.44**	**J**	0.14	5	**0.51**	**J**	0.14	5	**14.7%**	Agreement	Use higher concentration	--
EPAMW15	MY2938	MY2940	01-Dec-05	Dissolved Metal (CLP)	silver	µg/L	1	U	0.037	1	1	U	0.037	1	NC	Agreement	Use reporting limit	--
EPAMW15	MY2938	MY2940	01-Dec-05	Dissolved Metal (CLP)	sodium	µg/L	**29700**		709	5000	**29600**		709	5000	**0.3%**	Agreement	Use higher concentration	--
EPAMW15	MY2938	MY2940	01-Dec-05	Dissolved Metal (CLP)	thallium	µg/L	1	U	0.036	1	1	U	0.036	1	NC	Agreement	Use reporting limit	--
EPAMW15	MY2938	MY2940	01-Dec-05	Dissolved Metal (CLP)	vanadium	µg/L	**4.1**		0.026	1	**4.4**		0.026	1	**7.1%**	Agreement	Use higher concentration	--
EPAMW15	MY2938	MY2940	01-Dec-05	Dissolved Metal (CLP)	zinc	µg/L	**16.6**	**J**	0.71	2	**16.9**	**J**	0.71	2	**1.8%**	Agreement	Use higher concentration	--
EPAMW15	Y30D9	Y30E0	20-Nov-06	EPA Method 314.0	perchlorate	µg/L	2	U	1	2	2	U	1	2	NC	Agreement	Use reporting limit	--
EPAMW15	Y30D9	Y30E0	20-Nov-06	Volatile Organics (CLP)	1,1,1-trichloroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y30D9	Y30E0	20-Nov-06	Volatile Organics (CLP)	1,1,2,2-tetrachloroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y30D9	Y30E0	20-Nov-06	Volatile Organics (CLP)	1,1,2-trichloro-1,2,2-trifluoroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y30D9	Y30E0	20-Nov-06	Volatile Organics (CLP)	1,1,2-trichloroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y30D9	Y30E0	20-Nov-06	Volatile Organics (CLP)	1,1-dichloroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y30D9	Y30E0	20-Nov-06	Volatile Organics (CLP)	1,1-dichloroethene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y30D9	Y30E0	20-Nov-06	Volatile Organics (CLP)	1,2,3-trichlorobenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y30D9	Y30E0	20-Nov-06	Volatile Organics (CLP)	1,2,4-trichlorobenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y30D9	Y30E0	20-Nov-06	Volatile Organics (CLP)	1,2-dibromoethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y30D9	Y30E0	20-Nov-06	Volatile Organics (CLP)	1,2-dichlorobenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y30D9	Y30E0	20-Nov-06	Volatile Organics (CLP)	1,2-dichloroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y30D9	Y30E0	20-Nov-06	Volatile Organics (CLP)	1,2-dichloropropane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y30D9	Y30E0	20-Nov-06	Volatile Organics (CLP)	1,3-dichlorobenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y30D9	Y30E0	20-Nov-06	Volatile Organics (CLP)	1,4-dichlorobenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y30D9	Y30E0	20-Nov-06	Volatile Organics (CLP)	1,4-dioxane	µg/L	20	U		20	20	U		20	NC	Agreement	Use reporting limit	--
EPAMW15	Y30D9	Y30E0	20-Nov-06	Volatile Organics (CLP)	2-butanone	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW15	Y30D9	Y30E0	20-Nov-06	Volatile Organics (CLP)	2-hexanone	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW15	Y30D9	Y30E0	20-Nov-06	Volatile Organics (CLP)	4-methyl-2-pentanone	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW15	Y30D9	Y30E0	20-Nov-06	Volatile Organics (CLP)	acetone	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW15	Y30D9	Y30E0	20-Nov-06	Volatile Organics (CLP)	benzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y30D9	Y30E0	20-Nov-06	Volatile Organics (CLP)	bromochloromethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y30D9	Y30E0	20-Nov-06	Volatile Organics (CLP)	bromodichloromethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--

Notes:
[1]Relative percent difference calculated using the equation %RPD = ((N-D)/(N+D))/2.
[2]Table C-3 provides EPA's criteria for comparing field duplicate sample results.
[3]The reporting criteria for field duplicates are designed to ensure that the most conservative data set in terms of protection of human health and the environment.

D = Field Duplicate
N = Primary Sample
mg/L = milligram(s) per liter
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Qualifiers
J = Estimated Value
LJ = Estimated Value, Result May be Biased Low
R = Rejected
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Location	Parent Sample ID	Field Duplicate ID	Sample Date	Analysis Method	Parameter	Units	Parent Sample Results				Field Duplicate Results				RPD[1]	Conclusion[2]	Reporting Criteria[3]	Comparison to Evaluation Criterion in event of Disagreement or Major Disagreement
							Result	Q	DL	RL	Result	Q	DL	RL				
EPAMW15	Y30D9	Y30E0	20-Nov-06	Volatile Organics (CLP)	bromoform	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y30D9	Y30E0	20-Nov-06	Volatile Organics (CLP)	bromomethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y30D9	Y30E0	20-Nov-06	Volatile Organics (CLP)	carbon disulfide	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y30D9	Y30E0	20-Nov-06	Volatile Organics (CLP)	carbon tetrachloride	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y30D9	Y30E0	20-Nov-06	Volatile Organics (CLP)	chlorobenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y30D9	Y30E0	20-Nov-06	Volatile Organics (CLP)	chloroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y30D9	Y30E0	20-Nov-06	Volatile Organics (CLP)	chloroform	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y30D9	Y30E0	20-Nov-06	Volatile Organics (CLP)	chloromethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y30D9	Y30E0	20-Nov-06	Volatile Organics (CLP)	cis-1,2-dichloroethene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y30D9	Y30E0	20-Nov-06	Volatile Organics (CLP)	cis-1,3-dichloropropene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y30D9	Y30E0	20-Nov-06	Volatile Organics (CLP)	cyclohexane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y30D9	Y30E0	20-Nov-06	Volatile Organics (CLP)	dibromochloromethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y30D9	Y30E0	20-Nov-06	Volatile Organics (CLP)	dibromochloropropane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y30D9	Y30E0	20-Nov-06	Volatile Organics (CLP)	dichlorodifluoromethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y30D9	Y30E0	20-Nov-06	Volatile Organics (CLP)	ethylbenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y30D9	Y30E0	20-Nov-06	Volatile Organics (CLP)	isopropylbenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y30D9	Y30E0	20-Nov-06	Volatile Organics (CLP)	m,p-xylene	µg/L	0.5	U		0.5	**0.032**	**J**		0.5	NC	Agreement	Use positive result	--
EPAMW15	Y30D9	Y30E0	20-Nov-06	Volatile Organics (CLP)	methyl ester acetic acid	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y30D9	Y30E0	20-Nov-06	Volatile Organics (CLP)	methyl tert-butyl ether	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y30D9	Y30E0	20-Nov-06	Volatile Organics (CLP)	methylcyclohexane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y30D9	Y30E0	20-Nov-06	Volatile Organics (CLP)	methylene chloride	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y30D9	Y30E0	20-Nov-06	Volatile Organics (CLP)	o-xylene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y30D9	Y30E0	20-Nov-06	Volatile Organics (CLP)	styrene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y30D9	Y30E0	20-Nov-06	Volatile Organics (CLP)	tert-butyl alcohol	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW15	Y30D9	Y30E0	20-Nov-06	Volatile Organics (CLP)	tetrachloroethene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y30D9	Y30E0	20-Nov-06	Volatile Organics (CLP)	toluene	µg/L	0.5	U		0.5	**0.035**	**J**		0.5	NC	Agreement	Use positive result	--
EPAMW15	Y30D9	Y30E0	20-Nov-06	Volatile Organics (CLP)	trans-1,2-dichloroethene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y30D9	Y30E0	20-Nov-06	Volatile Organics (CLP)	trans-1,3-dichloropropene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y30D9	Y30E0	20-Nov-06	Volatile Organics (CLP)	trichloroethene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y30D9	Y30E0	20-Nov-06	Volatile Organics (CLP)	trichlorofluoromethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y30D9	Y30E0	20-Nov-06	Volatile Organics (CLP)	vinyl chloride	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y2HL8	Y2HL9	23-May-06	Volatile Organics (CLP)	1,1,1-trichloroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y2HL8	Y2HL9	23-May-06	Volatile Organics (CLP)	1,1,2,2-tetrachloroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y2HL8	Y2HL9	23-May-06	Volatile Organics (CLP)	1,1,2-trichloro-1,2,2-trifluoroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y2HL8	Y2HL9	23-May-06	Volatile Organics (CLP)	1,1,2-trichloroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y2HL8	Y2HL9	23-May-06	Volatile Organics (CLP)	1,1-dichloroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y2HL8	Y2HL9	23-May-06	Volatile Organics (CLP)	1,1-dichloroethene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y2HL8	Y2HL9	23-May-06	Volatile Organics (CLP)	1,2,3-trichlorobenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y2HL8	Y2HL9	23-May-06	Volatile Organics (CLP)	1,2,4-trichlorobenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y2HL8	Y2HL9	23-May-06	Volatile Organics (CLP)	1,2-dibromoethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y2HL8	Y2HL9	23-May-06	Volatile Organics (CLP)	1,2-dichlorobenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--

Notes:
[1]Relative percent difference calculated using the equation %RPD = ((N-D)/(N+D))/2.
[2]Table C-3 provides EPA's criteria for comparing field duplicate sample results.
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Location	Parent Sample ID	Field Duplicate ID	Sample Date	Analysis Method	Parameter	Units	Parent Sample Results				Field Duplicate Results				RPD[1]	Conclusion[2]	Reporting Criteria[3]	Comparison to Evaluation Criterion in event of Disagreement or Major Disagreement
							Result	Q	DL	RL	Result	Q	DL	RL				
EPAMW15	Y2HL8	Y2HL9	23-May-06	Volatile Organics (CLP)	1,2-dichloroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y2HL8	Y2HL9	23-May-06	Volatile Organics (CLP)	1,2-dichloropropane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y2HL8	Y2HL9	23-May-06	Volatile Organics (CLP)	1,3-dichlorobenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y2HL8	Y2HL9	23-May-06	Volatile Organics (CLP)	1,4-dichlorobenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y2HL8	Y2HL9	23-May-06	Volatile Organics (CLP)	2-butanone	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW15	Y2HL8	Y2HL9	23-May-06	Volatile Organics (CLP)	2-hexanone	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW15	Y2HL8	Y2HL9	23-May-06	Volatile Organics (CLP)	4-methyl-2-pentanone	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW15	Y2HL8	Y2HL9	23-May-06	Volatile Organics (CLP)	acetone	µg/L	**3.3**	**J**		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW15	Y2HL8	Y2HL9	23-May-06	Volatile Organics (CLP)	benzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y2HL8	Y2HL9	23-May-06	Volatile Organics (CLP)	bromochloromethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y2HL8	Y2HL9	23-May-06	Volatile Organics (CLP)	bromodichloromethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y2HL8	Y2HL9	23-May-06	Volatile Organics (CLP)	bromoform	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y2HL8	Y2HL9	23-May-06	Volatile Organics (CLP)	bromomethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y2HL8	Y2HL9	23-May-06	Volatile Organics (CLP)	carbon disulfide	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y2HL8	Y2HL9	23-May-06	Volatile Organics (CLP)	carbon tetrachloride	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y2HL8	Y2HL9	23-May-06	Volatile Organics (CLP)	chlorobenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y2HL8	Y2HL9	23-May-06	Volatile Organics (CLP)	chloroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y2HL8	Y2HL9	23-May-06	Volatile Organics (CLP)	chloroform	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y2HL8	Y2HL9	23-May-06	Volatile Organics (CLP)	chloromethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y2HL8	Y2HL9	23-May-06	Volatile Organics (CLP)	cis-1,2-dichloroethene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y2HL8	Y2HL9	23-May-06	Volatile Organics (CLP)	cis-1,3-dichloropropene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y2HL8	Y2HL9	23-May-06	Volatile Organics (CLP)	cyclohexane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y2HL8	Y2HL9	23-May-06	Volatile Organics (CLP)	dibromochloromethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y2HL8	Y2HL9	23-May-06	Volatile Organics (CLP)	dibromochloropropane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y2HL8	Y2HL9	23-May-06	Volatile Organics (CLP)	dichlorodifluoromethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y2HL8	Y2HL9	23-May-06	Volatile Organics (CLP)	ethylbenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y2HL8	Y2HL9	23-May-06	Volatile Organics (CLP)	isopropylbenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y2HL8	Y2HL9	23-May-06	Volatile Organics (CLP)	methyl ester acetic acid	µg/L	0.5	UJ		0.5	0.5	UJ		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y2HL8	Y2HL9	23-May-06	Volatile Organics (CLP)	methyl tert-butyl ether	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y2HL8	Y2HL9	23-May-06	Volatile Organics (CLP)	methylcyclohexane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y2HL8	Y2HL9	23-May-06	Volatile Organics (CLP)	methylene chloride	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y2HL8	Y2HL9	23-May-06	Volatile Organics (CLP)	styrene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y2HL8	Y2HL9	23-May-06	Volatile Organics (CLP)	tert-butyl alcohol	µg/L	5	UJ		5	5	UJ		5	NC	Agreement	Use reporting limit	--
EPAMW15	Y2HL8	Y2HL9	23-May-06	Volatile Organics (CLP)	tetrachloroethene	µg/L	**0.42**	**J**		0.5	**0.47**	**J**		0.5	**11.2%**	Agreement	Use higher concentration	--
EPAMW15	Y2HL8	Y2HL9	23-May-06	Volatile Organics (CLP)	toluene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y2HL8	Y2HL9	23-May-06	Volatile Organics (CLP)	total xylenes	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y2HL8	Y2HL9	23-May-06	Volatile Organics (CLP)	trans-1,2-dichloroethene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y2HL8	Y2HL9	23-May-06	Volatile Organics (CLP)	trans-1,3-dichloropropene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y2HL8	Y2HL9	23-May-06	Volatile Organics (CLP)	trichloroethene	µg/L	**0.4**	**J**		0.5	**0.45**	**J**		0.5	**11.8%**	Agreement	Use higher concentration	--
EPAMW15	Y2HL8	Y2HL9	23-May-06	Volatile Organics (CLP)	trichlorofluoromethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y2HL8	Y2HL9	23-May-06	Volatile Organics (CLP)	vinyl chloride	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--

Notes:

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[2]Table C-3 provides EPA's criteria for comparing field duplicate sample results.

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LJ = Estimated Value, Result May be Biased Low
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U = Non-Detect
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TABLE C-4
Field Duplicate Evaluation
Remedial Investigation
San Gabriel Valley Area 3 Superfund Site

Location	Parent Sample ID	Field Duplicate ID	Sample Date	Analysis Method	Parameter	Units	Parent Sample Results				Field Duplicate Results				RPD[1]	Conclusion[2]	Reporting Criteria[3]	Comparison to Evaluation Criterion in event of Disagreement or Major Disagreement
							Result	Q	DL	RL	Result	Q	DL	RL				
EPAMW15	Y3AM6	Y3AM7	09-May-07	Volatile Organics (CLP)	1,1,1-trichloroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y3AM6	Y3AM7	09-May-07	Volatile Organics (CLP)	1,1,2,2-tetrachloroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y3AM6	Y3AM7	09-May-07	Volatile Organics (CLP)	1,1,2-trichloro-1,2,2-trifluoroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y3AM6	Y3AM7	09-May-07	Volatile Organics (CLP)	1,1,2-trichloroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y3AM6	Y3AM7	09-May-07	Volatile Organics (CLP)	1,1-dichloroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y3AM6	Y3AM7	09-May-07	Volatile Organics (CLP)	1,1-dichloroethene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y3AM6	Y3AM7	09-May-07	Volatile Organics (CLP)	1,2,3-trichlorobenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y3AM6	Y3AM7	09-May-07	Volatile Organics (CLP)	1,2,4-trichlorobenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y3AM6	Y3AM7	09-May-07	Volatile Organics (CLP)	1,2-dibromoethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y3AM6	Y3AM7	09-May-07	Volatile Organics (CLP)	1,2-dichlorobenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y3AM6	Y3AM7	09-May-07	Volatile Organics (CLP)	1,2-dichloroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y3AM6	Y3AM7	09-May-07	Volatile Organics (CLP)	1,2-dichloropropane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y3AM6	Y3AM7	09-May-07	Volatile Organics (CLP)	1,3-dichlorobenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y3AM6	Y3AM7	09-May-07	Volatile Organics (CLP)	1,4-dichlorobenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y3AM6	Y3AM7	09-May-07	Volatile Organics (CLP)	1,4-dioxane	µg/L	20	R		20	20	R		20	NC	Agreement	Use reporting limit	--
EPAMW15	Y3AM6	Y3AM7	09-May-07	Volatile Organics (CLP)	2-butanone	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW15	Y3AM6	Y3AM7	09-May-07	Volatile Organics (CLP)	2-hexanone	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW15	Y3AM6	Y3AM7	09-May-07	Volatile Organics (CLP)	4-methyl-2-pentanone	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW15	Y3AM6	Y3AM7	09-May-07	Volatile Organics (CLP)	acetone	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW15	Y3AM6	Y3AM7	09-May-07	Volatile Organics (CLP)	benzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y3AM6	Y3AM7	09-May-07	Volatile Organics (CLP)	bromochloromethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y3AM6	Y3AM7	09-May-07	Volatile Organics (CLP)	bromodichloromethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y3AM6	Y3AM7	09-May-07	Volatile Organics (CLP)	bromoform	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y3AM6	Y3AM7	09-May-07	Volatile Organics (CLP)	bromomethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y3AM6	Y3AM7	09-May-07	Volatile Organics (CLP)	carbon disulfide	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y3AM6	Y3AM7	09-May-07	Volatile Organics (CLP)	carbon tetrachloride	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y3AM6	Y3AM7	09-May-07	Volatile Organics (CLP)	chlorobenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y3AM6	Y3AM7	09-May-07	Volatile Organics (CLP)	chloroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y3AM6	Y3AM7	09-May-07	Volatile Organics (CLP)	chloroform	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y3AM6	Y3AM7	09-May-07	Volatile Organics (CLP)	chloromethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y3AM6	Y3AM7	09-May-07	Volatile Organics (CLP)	cis-1,2-dichloroethene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y3AM6	Y3AM7	09-May-07	Volatile Organics (CLP)	cis-1,3-dichloropropene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y3AM6	Y3AM7	09-May-07	Volatile Organics (CLP)	cyclohexane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y3AM6	Y3AM7	09-May-07	Volatile Organics (CLP)	dibromochloromethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y3AM6	Y3AM7	09-May-07	Volatile Organics (CLP)	dibromochloropropane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y3AM6	Y3AM7	09-May-07	Volatile Organics (CLP)	dichlorodifluoromethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y3AM6	Y3AM7	09-May-07	Volatile Organics (CLP)	ethylbenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y3AM6	Y3AM7	09-May-07	Volatile Organics (CLP)	isopropylbenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y3AM6	Y3AM7	09-May-07	Volatile Organics (CLP)	m,p-xylene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y3AM6	Y3AM7	09-May-07	Volatile Organics (CLP)	methyl ester acetic acid	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y3AM6	Y3AM7	09-May-07	Volatile Organics (CLP)	methyl tert-butyl ether	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--

Notes:
[1]Relative percent difference calculated using the equation %RPD = ((N-D)/(N+D))/2.
[2]Table C-3 provides EPA's criteria for comparing field duplicate sample results.
[3]The reporting criteria for field duplicates are designed to ensure that the most conservative data set in terms of protection of human health and the environment.

D = Field Duplicate
N = Primary Sample
mg/L = milligram(s) per liter
µg/L = microgram(s) per liter
ng/L = nanogram(s) per liter
NC = RPD not calculated
RPD = relative percent difference
-- = comparison to criterion not required due to data agreement.

Qualifiers
J = Estimated Value
LJ = Estimated Value, Result May be Biased Low
R = Rejected
U = Non-Detect
UJ = Non-Detect Estimated Value
UR = Rejected Non-Detect

TABLE C-4
Field Duplicate Evaluation
Remedial Investigation
San Gabriel Valley Area 3 Superfund Site

Location	Parent Sample ID	Field Duplicate ID	Sample Date	Analysis Method	Parameter	Units	Parent Sample Results				Field Duplicate Results				RPD[1]	Conclusion[2]	Reporting Criteria[3]	Comparison to Evaluation Criterion in event of Disagreement or Major Disagreement
							Result	Q	DL	RL	Result	Q	DL	RL				
EPAMW15	Y3AM6	Y3AM7	09-May-07	Volatile Organics (CLP)	methylcyclohexane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y3AM6	Y3AM7	09-May-07	Volatile Organics (CLP)	methylene chloride	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y3AM6	Y3AM7	09-May-07	Volatile Organics (CLP)	o-xylene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y3AM6	Y3AM7	09-May-07	Volatile Organics (CLP)	styrene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y3AM6	Y3AM7	09-May-07	Volatile Organics (CLP)	tert-butyl alcohol	µg/L	5	R		5	5	R		5	NC	Agreement	Use reporting limit	--
EPAMW15	Y3AM6	Y3AM7	09-May-07	Volatile Organics (CLP)	tetrachloroethene	µg/L	**8**			0.5	**9.4**			0.5	**16.1%**	Agreement	Use higher concentration	--
EPAMW15	Y3AM6	Y3AM7	09-May-07	Volatile Organics (CLP)	toluene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y3AM6	Y3AM7	09-May-07	Volatile Organics (CLP)	trans-1,2-dichloroethene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y3AM6	Y3AM7	09-May-07	Volatile Organics (CLP)	trans-1,3-dichloropropene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y3AM6	Y3AM7	09-May-07	Volatile Organics (CLP)	trichloroethene	µg/L	**0.86**			0.5	**1**			0.5	**15.1%**	Agreement	Use higher concentration	--
EPAMW15	Y3AM6	Y3AM7	09-May-07	Volatile Organics (CLP)	trichlorofluoromethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y3AM6	Y3AM7	09-May-07	Volatile Organics (CLP)	vinyl chloride	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y3QP5	Y3QP6	15-Nov-07	Volatile Organics (CLP)	1,1,1-trichloroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y3QP5	Y3QP6	15-Nov-07	Volatile Organics (CLP)	1,1,2,2-tetrachloroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y3QP5	Y3QP6	15-Nov-07	Volatile Organics (CLP)	1,1,2-trichloro-1,2,2-trifluoroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y3QP5	Y3QP6	15-Nov-07	Volatile Organics (CLP)	1,1,2-trichloroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y3QP5	Y3QP6	15-Nov-07	Volatile Organics (CLP)	1,1-dichloroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y3QP5	Y3QP6	15-Nov-07	Volatile Organics (CLP)	1,1-dichloroethene	µg/L	**0.082**	**J**		0.5	**0.088**	**J**		0.5	**7.1%**	Agreement	Use higher concentration	--
EPAMW15	Y3QP5	Y3QP6	15-Nov-07	Volatile Organics (CLP)	1,2,3-trichlorobenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y3QP5	Y3QP6	15-Nov-07	Volatile Organics (CLP)	1,2,4-trichlorobenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y3QP5	Y3QP6	15-Nov-07	Volatile Organics (CLP)	1,2-dibromoethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y3QP5	Y3QP6	15-Nov-07	Volatile Organics (CLP)	1,2-dichlorobenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y3QP5	Y3QP6	15-Nov-07	Volatile Organics (CLP)	1,2-dichloroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y3QP5	Y3QP6	15-Nov-07	Volatile Organics (CLP)	1,2-dichloropropane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y3QP5	Y3QP6	15-Nov-07	Volatile Organics (CLP)	1,3-dichlorobenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y3QP5	Y3QP6	15-Nov-07	Volatile Organics (CLP)	1,4-dichlorobenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y3QP5	Y3QP6	15-Nov-07	Volatile Organics (CLP)	1,4-dioxane	µg/L	20	U		20	20	U		20	NC	Agreement	Use reporting limit	--
EPAMW15	Y3QP5	Y3QP6	15-Nov-07	Volatile Organics (CLP)	2-butanone	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW15	Y3QP5	Y3QP6	15-Nov-07	Volatile Organics (CLP)	2-hexanone	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW15	Y3QP5	Y3QP6	15-Nov-07	Volatile Organics (CLP)	4-methyl-2-pentanone	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW15	Y3QP5	Y3QP6	15-Nov-07	Volatile Organics (CLP)	acetone	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW15	Y3QP5	Y3QP6	15-Nov-07	Volatile Organics (CLP)	benzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y3QP5	Y3QP6	15-Nov-07	Volatile Organics (CLP)	bromochloromethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y3QP5	Y3QP6	15-Nov-07	Volatile Organics (CLP)	bromodichloromethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y3QP5	Y3QP6	15-Nov-07	Volatile Organics (CLP)	bromoform	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y3QP5	Y3QP6	15-Nov-07	Volatile Organics (CLP)	bromomethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y3QP5	Y3QP6	15-Nov-07	Volatile Organics (CLP)	carbon disulfide	µg/L	**0.1**	**J**		0.5	0.5	U		0.5	NC	Agreement	Use positive result	--
EPAMW15	Y3QP5	Y3QP6	15-Nov-07	Volatile Organics (CLP)	carbon tetrachloride	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y3QP5	Y3QP6	15-Nov-07	Volatile Organics (CLP)	chlorobenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y3QP5	Y3QP6	15-Nov-07	Volatile Organics (CLP)	chloroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y3QP5	Y3QP6	15-Nov-07	Volatile Organics (CLP)	chloroform	µg/L	**0.28**	**J**		0.5	**0.31**	**J**		0.5	**10.2%**	Agreement	Use higher concentration	--

Notes:
[1]Relative percent difference calculated using the equation %RPD = ((N-D)/(N+D))/2.
[2]Table C-3 provides EPA's criteria for comparing field duplicate sample results.
[3]The reporting criteria for field duplicates are designed to ensure that the most conservative data set in terms of protection of human health and the environment.

D = Field Duplicate
N = Primary Sample
mg/L = milligram(s) per liter
µg/L = microgram(s) per liter
ng/L = nanogram(s) per liter
NC = RPD not calculated
RPD = relative percent difference
-- = comparison to criterion not required due to data agreement.

Qualifiers
J = Estimated Value
LJ = Estimated Value, Result May be Biased Low
R = Rejected
U = Non-Detect
UJ = Non-Detect Estimated Value
UR = Rejected Non-Detect

TABLE C-4
Field Duplicate Evaluation
Remedial Investigation
San Gabriel Valley Area 3 Superfund Site

Location	Parent Sample ID	Field Duplicate ID	Sample Date	Analysis Method	Parameter	Units	Parent Sample Results				Field Duplicate Results				RPD[1]	Conclusion[2]	Reporting Criteria[3]	Comparison to Evaluation Criterion in event of Disagreement or Major Disagreement
							Result	Q	DL	RL	Result	Q	DL	RL				
EPAMW15	Y3QP5	Y3QP6	15-Nov-07	Volatile Organics (CLP)	chloromethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y3QP5	Y3QP6	15-Nov-07	Volatile Organics (CLP)	cis-1,2-dichloroethene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y3QP5	Y3QP6	15-Nov-07	Volatile Organics (CLP)	cis-1,3-dichloropropene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y3QP5	Y3QP6	15-Nov-07	Volatile Organics (CLP)	cyclohexane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y3QP5	Y3QP6	15-Nov-07	Volatile Organics (CLP)	dibromochloromethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y3QP5	Y3QP6	15-Nov-07	Volatile Organics (CLP)	dibromochloropropane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y3QP5	Y3QP6	15-Nov-07	Volatile Organics (CLP)	dichlorodifluoromethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y3QP5	Y3QP6	15-Nov-07	Volatile Organics (CLP)	ethylbenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y3QP5	Y3QP6	15-Nov-07	Volatile Organics (CLP)	isopropylbenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y3QP5	Y3QP6	15-Nov-07	Volatile Organics (CLP)	m,p-xylene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y3QP5	Y3QP6	15-Nov-07	Volatile Organics (CLP)	methyl ester acetic acid	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y3QP5	Y3QP6	15-Nov-07	Volatile Organics (CLP)	methyl tert-butyl ether	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y3QP5	Y3QP6	15-Nov-07	Volatile Organics (CLP)	methylcyclohexane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y3QP5	Y3QP6	15-Nov-07	Volatile Organics (CLP)	methylene chloride	µg/L	**0.23**	**J**		0.5	**0.25**	**J**		0.5	**8.3%**	Agreement	Use higher concentration	--
EPAMW15	Y3QP5	Y3QP6	15-Nov-07	Volatile Organics (CLP)	o-xylene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y3QP5	Y3QP6	15-Nov-07	Volatile Organics (CLP)	styrene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y3QP5	Y3QP6	15-Nov-07	Volatile Organics (CLP)	tert-butyl alcohol	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW15	Y3QP5	Y3QP6	15-Nov-07	Volatile Organics (CLP)	tetrachloroethene	µg/L	**1.9**			0.5	**2**			0.5	**5.1%**	Agreement	Use higher concentration	--
EPAMW15	Y3QP5	Y3QP6	15-Nov-07	Volatile Organics (CLP)	toluene	µg/L	0.5	U		0.5	**0.071**	**J**		0.5	NC	Agreement	Use positive result	--
EPAMW15	Y3QP5	Y3QP6	15-Nov-07	Volatile Organics (CLP)	trans-1,2-dichloroethene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y3QP5	Y3QP6	15-Nov-07	Volatile Organics (CLP)	trans-1,3-dichloropropene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y3QP5	Y3QP6	15-Nov-07	Volatile Organics (CLP)	trichloroethene	µg/L	**1.4**			0.5	**1.3**			0.5	**7.4%**	Agreement	Use higher concentration	--
EPAMW15	Y3QP5	Y3QP6	15-Nov-07	Volatile Organics (CLP)	trichlorofluoromethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW15	Y3QP5	Y3QP6	15-Nov-07	Volatile Organics (CLP)	vinyl chloride	µg/L	0.5	U		0.5	**0.052**	**J**		0.5	NC	Agreement	Use positive result	--
EPAMW15	Y3QP5	Y3QP6	15-Nov-07	EPA Method 314.0	perchlorate	µg/L	**2.8**		1	2	**2.7**		1	2	**3.6%**	Agreement	Use higher concentration	--
EPAMW15	Y3QP5	Y3QP6	15-Nov-07	EPA Method 300.0	nitrate (as n)	mg/L	**15**		0.05	0.1	**16**		0.05	0.1	**6.5%**	Agreement	Use higher concentration	--
EPAMW15	Y3QP5	Y3QP6	15-Nov-07	EPA Method 160.1	total dissolved solids	mg/L	**340**		10	20	**360**		10	20	**5.7%**	Agreement	Use higher concentration	--
EPAMW16	Y1TG6	Y1TG7	31-Mar-05	Volatile Organics (CLP)	1,1,1-trichloroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW16	Y1TG6	Y1TG7	31-Mar-05	Volatile Organics (CLP)	1,1,2,2-tetrachloroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW16	Y1TG6	Y1TG7	31-Mar-05	Volatile Organics (CLP)	1,1,2-trichloro-1,2,2-trifluoroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW16	Y1TG6	Y1TG7	31-Mar-05	Volatile Organics (CLP)	1,1,2-trichloroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW16	Y1TG6	Y1TG7	31-Mar-05	Volatile Organics (CLP)	1,1-dichloroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW16	Y1TG6	Y1TG7	31-Mar-05	Volatile Organics (CLP)	1,1-dichloroethene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW16	Y1TG6	Y1TG7	31-Mar-05	Volatile Organics (CLP)	1,2,3-trichlorobenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW16	Y1TG6	Y1TG7	31-Mar-05	Volatile Organics (CLP)	1,2,4-trichlorobenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW16	Y1TG6	Y1TG7	31-Mar-05	Volatile Organics (CLP)	1,2-dibromoethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW16	Y1TG6	Y1TG7	31-Mar-05	Volatile Organics (CLP)	1,2-dichlorobenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW16	Y1TG6	Y1TG7	31-Mar-05	Volatile Organics (CLP)	1,2-dichloroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW16	Y1TG6	Y1TG7	31-Mar-05	Volatile Organics (CLP)	1,2-dichloropropane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW16	Y1TG6	Y1TG7	31-Mar-05	Volatile Organics (CLP)	1,3-dichlorobenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW16	Y1TG6	Y1TG7	31-Mar-05	Volatile Organics (CLP)	1,4-dichlorobenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--

Notes:
[1]Relative percent difference calculated using the equation %RPD = ((N-D)/(N+D))/2.
[2]Table C-3 provides EPA's criteria for comparing field duplicate sample results.
[3]The reporting criteria for field duplicates are designed to ensure that the most conservative data set in terms of protection of human health and the environment.

D = Field Duplicate
N = Primary Sample
mg/L = milligram(s) per liter
µg/L = microgram(s) per liter
ng/L = nanogram(s) per liter
NC = RPD not calculated
RPD = relative percent difference
-- = comparison to criterion not required due to data agreement.

Qualifiers
J = Estimated Value
LJ = Estimated Value, Result May be Biased Low
R = Rejected
U = Non-Detect
UJ = Non-Detect Estimated Value
UR = Rejected Non-Detect

Location	Parent Sample ID	Field Duplicate ID	Sample Date	Analysis Method	Parameter	Units	Parent Sample Results				Field Duplicate Results				RPD[1]	Conclusion[2]	Reporting Criteria[3]	Comparison to Evaluation Criterion in event of Disagreement or Major Disagreement
							Result	Q	DL	RL	Result	Q	DL	RL				
EPAMW16	Y1TG6	Y1TG7	31-Mar-05	Volatile Organics (CLP)	2-butanone	µg/L	5	UJ		5	5	UJ		5	NC	Agreement	Use reporting limit	--
EPAMW16	Y1TG6	Y1TG7	31-Mar-05	Volatile Organics (CLP)	2-hexanone	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW16	Y1TG6	Y1TG7	31-Mar-05	Volatile Organics (CLP)	4-methyl-2-pentanone	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW16	Y1TG6	Y1TG7	31-Mar-05	Volatile Organics (CLP)	acetone	µg/L	5	U		5	**2.4**	**LJ**			NC	Agreement	Use positive result	--
EPAMW16	Y1TG6	Y1TG7	31-Mar-05	Volatile Organics (CLP)	benzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW16	Y1TG6	Y1TG7	31-Mar-05	Volatile Organics (CLP)	bromochloromethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW16	Y1TG6	Y1TG7	31-Mar-05	Volatile Organics (CLP)	bromodichloromethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW16	Y1TG6	Y1TG7	31-Mar-05	Volatile Organics (CLP)	bromoform	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW16	Y1TG6	Y1TG7	31-Mar-05	Volatile Organics (CLP)	bromomethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW16	Y1TG6	Y1TG7	31-Mar-05	Volatile Organics (CLP)	carbon disulfide	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW16	Y1TG6	Y1TG7	31-Mar-05	Volatile Organics (CLP)	carbon tetrachloride	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW16	Y1TG6	Y1TG7	31-Mar-05	Volatile Organics (CLP)	chlorobenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW16	Y1TG6	Y1TG7	31-Mar-05	Volatile Organics (CLP)	chloroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW16	Y1TG6	Y1TG7	31-Mar-05	Volatile Organics (CLP)	chloroform	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW16	Y1TG6	Y1TG7	31-Mar-05	Volatile Organics (CLP)	chloromethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW16	Y1TG6	Y1TG7	31-Mar-05	Volatile Organics (CLP)	cis-1,2-dichloroethene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW16	Y1TG6	Y1TG7	31-Mar-05	Volatile Organics (CLP)	cis-1,3-dichloropropene	µg/L	0.5	U		0.5	**0.11**	**LJ**			NC	Agreement	Use positive result	--
EPAMW16	Y1TG6	Y1TG7	31-Mar-05	Volatile Organics (CLP)	cyclohexane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW16	Y1TG6	Y1TG7	31-Mar-05	Volatile Organics (CLP)	dibromochloromethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW16	Y1TG6	Y1TG7	31-Mar-05	Volatile Organics (CLP)	dibromochloropropane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW16	Y1TG6	Y1TG7	31-Mar-05	Volatile Organics (CLP)	dichlorodifluoromethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW16	Y1TG6	Y1TG7	31-Mar-05	Volatile Organics (CLP)	ethylbenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW16	Y1TG6	Y1TG7	31-Mar-05	Volatile Organics (CLP)	isopropylbenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW16	Y1TG6	Y1TG7	31-Mar-05	Volatile Organics (CLP)	methyl ester acetic acid	µg/L	0.5	UJ		0.5	0.5	UJ		0.5	NC	Agreement	Use reporting limit	--
EPAMW16	Y1TG6	Y1TG7	31-Mar-05	Volatile Organics (CLP)	methyl tert-butyl ether	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW16	Y1TG6	Y1TG7	31-Mar-05	Volatile Organics (CLP)	methylcyclohexane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW16	Y1TG6	Y1TG7	31-Mar-05	Volatile Organics (CLP)	methylene chloride	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW16	Y1TG6	Y1TG7	31-Mar-05	Volatile Organics (CLP)	styrene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW16	Y1TG6	Y1TG7	31-Mar-05	Volatile Organics (CLP)	tert-butyl alcohol	µg/L	5	UJ		5	5	UJ		5	NC	Agreement	Use reporting limit	--
EPAMW16	Y1TG6	Y1TG7	31-Mar-05	Volatile Organics (CLP)	tetrachloroethene	µg/L	**0.14**	**LJ**			**0.2**	**LJ**			**35.3%**	Disagreement	Use higher concentration	Both concentrations do not exceed MCL
EPAMW16	Y1TG6	Y1TG7	31-Mar-05	Volatile Organics (CLP)	toluene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW16	Y1TG6	Y1TG7	31-Mar-05	Volatile Organics (CLP)	total xylenes	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW16	Y1TG6	Y1TG7	31-Mar-05	Volatile Organics (CLP)	trans-1,2-dichloroethene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW16	Y1TG6	Y1TG7	31-Mar-05	Volatile Organics (CLP)	trans-1,3-dichloropropene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW16	Y1TG6	Y1TG7	31-Mar-05	Volatile Organics (CLP)	trichloroethene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW16	Y1TG6	Y1TG7	31-Mar-05	Volatile Organics (CLP)	trichlorofluoromethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW16	Y1TG6	Y1TG7	31-Mar-05	Volatile Organics (CLP)	vinyl chloride	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW16	Y2DZ5	Y2DZ6	01-Mar-06	EPA Method 314.0	perchlorate	µg/L	**3.3**		1	2	**2.4**		1	2	**31.6%**	Disagreement	Use higher concentration	Both concentrations do not exceed MCL
EPAMW16	Y2DZ5	Y2DZ6	01-Mar-06	EPA Method 300.0	nitrate (as no3)	mg/L	**29**		0.1	0.2	**29**		0.1	0.2	**0.0%**	Agreement	Use detected concentration	--
EPAMW16	Y2DZ5	Y2DZ6	01-Mar-06	Volatile Organics (CLP)	1,1,1-trichloroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW16	Y2DZ5	Y2DZ6	01-Mar-06	Volatile Organics (CLP)	1,1,2,2-tetrachloroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--

Notes:

[1]Relative percent difference calculated using the equation %RPD = ((N-D)/(N+D))/2.

[2]Table C-3 provides EPA's criteria for comparing field duplicate sample results.

[3]The reporting criteria for field duplicates are designed to ensure that the most conservative data set in terms of protection of human health and the environment.

D = Field Duplicate
N = Primary Sample
mg/L = milligram(s) per liter
µg/L = microgram(s) per liter
ng/L = nanogram(s) per liter
NC = RPD not calculated
RPD = relative percent difference
-- = comparison to criterion not required due to data agreement.

Qualifiers
J = Estimated Value
LJ = Estimated Value, Result May be Biased Low
R = Rejected
U = Non-Detect
UJ = Non-Detect Estimated Value
UR = Rejected Non-Detect

TABLE C-4
Field Duplicate Evaluation
Remedial Investigation
San Gabriel Valley Area 3 Superfund Site

Location	Parent Sample ID	Field Duplicate ID	Sample Date	Analysis Method	Parameter	Units	Parent Sample Results				Field Duplicate Results				RPD[1]	Conclusion[2]	Reporting Criteria[3]	Comparison to Evaluation Criterion in event of Disagreement or Major Disagreement
							Result	Q	DL	RL	Result	Q	DL	RL				
EPAMW16	Y2DZ5	Y2DZ6	01-Mar-06	Volatile Organics (CLP)	1,1,2-trichloro-1,2,2-trifluoroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW16	Y2DZ5	Y2DZ6	01-Mar-06	Volatile Organics (CLP)	1,1,2-trichloroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW16	Y2DZ5	Y2DZ6	01-Mar-06	Volatile Organics (CLP)	1,1-dichloroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW16	Y2DZ5	Y2DZ6	01-Mar-06	Volatile Organics (CLP)	1,1-dichloroethene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW16	Y2DZ5	Y2DZ6	01-Mar-06	Volatile Organics (CLP)	1,2,3-trichlorobenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW16	Y2DZ5	Y2DZ6	01-Mar-06	Volatile Organics (CLP)	1,2,4-trichlorobenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW16	Y2DZ5	Y2DZ6	01-Mar-06	Volatile Organics (CLP)	1,2-dibromoethane	µg/L	0.05	U		0.05	0.05	U		0.05	NC	Agreement	Use reporting limit	--
EPAMW16	Y2DZ5	Y2DZ6	01-Mar-06	Volatile Organics (CLP)	1,2-dichlorobenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW16	Y2DZ5	Y2DZ6	01-Mar-06	Volatile Organics (CLP)	1,2-dichloroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW16	Y2DZ5	Y2DZ6	01-Mar-06	Volatile Organics (CLP)	1,2-dichloropropane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW16	Y2DZ5	Y2DZ6	01-Mar-06	Volatile Organics (CLP)	1,3-dichlorobenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW16	Y2DZ5	Y2DZ6	01-Mar-06	Volatile Organics (CLP)	1,4-dichlorobenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW16	Y2DZ5	Y2DZ6	01-Mar-06	Volatile Organics (CLP)	1,4-dioxane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW16	Y2DZ5	Y2DZ6	01-Mar-06	Volatile Organics (CLP)	2-butanone	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW16	Y2DZ5	Y2DZ6	01-Mar-06	Volatile Organics (CLP)	2-hexanone	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW16	Y2DZ5	Y2DZ6	01-Mar-06	Volatile Organics (CLP)	4-methyl-2-pentanone	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW16	Y2DZ5	Y2DZ6	01-Mar-06	Volatile Organics (CLP)	acetone	µg/L	5	U		5	**3.3**			5	NC	Agreement	Use reporting limit	--
EPAMW16	Y2DZ5	Y2DZ6	01-Mar-06	Volatile Organics (CLP)	benzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW16	Y2DZ5	Y2DZ6	01-Mar-06	Volatile Organics (CLP)	bromochloromethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW16	Y2DZ5	Y2DZ6	01-Mar-06	Volatile Organics (CLP)	bromodichloromethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW16	Y2DZ5	Y2DZ6	01-Mar-06	Volatile Organics (CLP)	bromoform	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW16	Y2DZ5	Y2DZ6	01-Mar-06	Volatile Organics (CLP)	bromomethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW16	Y2DZ5	Y2DZ6	01-Mar-06	Volatile Organics (CLP)	carbon disulfide	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW16	Y2DZ5	Y2DZ6	01-Mar-06	Volatile Organics (CLP)	carbon tetrachloride	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW16	Y2DZ5	Y2DZ6	01-Mar-06	Volatile Organics (CLP)	chlorobenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW16	Y2DZ5	Y2DZ6	01-Mar-06	Volatile Organics (CLP)	chloroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW16	Y2DZ5	Y2DZ6	01-Mar-06	Volatile Organics (CLP)	chloroform	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW16	Y2DZ5	Y2DZ6	01-Mar-06	Volatile Organics (CLP)	chloromethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW16	Y2DZ5	Y2DZ6	01-Mar-06	Volatile Organics (CLP)	cis-1,2-dichloroethene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW16	Y2DZ5	Y2DZ6	01-Mar-06	Volatile Organics (CLP)	cis-1,3-dichloropropene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW16	Y2DZ5	Y2DZ6	01-Mar-06	Volatile Organics (CLP)	cyclohexane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW16	Y2DZ5	Y2DZ6	01-Mar-06	Volatile Organics (CLP)	dibromochloromethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW16	Y2DZ5	Y2DZ6	01-Mar-06	Volatile Organics (CLP)	dibromochloropropane	µg/L	0.05	U		0.05	0.05	U		0.05	NC	Agreement	Use reporting limit	--
EPAMW16	Y2DZ5	Y2DZ6	01-Mar-06	Volatile Organics (CLP)	dichlorodifluoromethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW16	Y2DZ5	Y2DZ6	01-Mar-06	Volatile Organics (CLP)	ethylbenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW16	Y2DZ5	Y2DZ6	01-Mar-06	Volatile Organics (CLP)	isopropylbenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW16	Y2DZ5	Y2DZ6	01-Mar-06	Volatile Organics (CLP)	m,p-xylene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW16	Y2DZ5	Y2DZ6	01-Mar-06	Volatile Organics (CLP)	methyl ester acetic acid	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW16	Y2DZ5	Y2DZ6	01-Mar-06	Volatile Organics (CLP)	methyl tert-butyl ether	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW16	Y2DZ5	Y2DZ6	01-Mar-06	Volatile Organics (CLP)	methylcyclohexane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW16	Y2DZ5	Y2DZ6	01-Mar-06	Volatile Organics (CLP)	methylene chloride	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--

Notes:
[1]Relative percent difference calculated using the equation %RPD = ((N-D)/(N+D))/2.
[2]Table C-3 provides EPA's criteria for comparing field duplicate sample results.
[3]The reporting criteria for field duplicates are designed to ensure that the most conservative data set in terms of protection of human health and the environment.

D = Field Duplicate
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mg/L = milligram(s) per liter
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RPD = relative percent difference
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Qualifiers
J = Estimated Value
LJ = Estimated Value, Result May be Biased Low
R = Rejected
U = Non-Detect
UJ = Non-Detect Estimated Value
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TABLE C-4
Field Duplicate Evaluation
Remedial Investigation
San Gabriel Valley Area 3 Superfund Site

Location	Parent Sample ID	Field Duplicate ID	Sample Date	Analysis Method	Parameter	Units	Parent Sample Results				Field Duplicate Results				RPD[1]	Conclusion[2]	Reporting Criteria[3]	Comparison to Evaluation Criterion in event of Disagreement or Major Disagreement
							Result	Q	DL	RL	Result	Q	DL	RL				
EPAMW16	Y2DZ5	Y2DZ6	01-Mar-06	Volatile Organics (CLP)	o-xylene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW16	Y2DZ5	Y2DZ6	01-Mar-06	Volatile Organics (CLP)	styrene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW16	Y2DZ5	Y2DZ6	01-Mar-06	Volatile Organics (CLP)	tetrachloroethene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW16	Y2DZ5	Y2DZ6	01-Mar-06	Volatile Organics (CLP)	toluene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW16	Y2DZ5	Y2DZ6	01-Mar-06	Volatile Organics (CLP)	trans-1,2-dichloroethene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW16	Y2DZ5	Y2DZ6	01-Mar-06	Volatile Organics (CLP)	trans-1,3-dichloropropene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW16	Y2DZ5	Y2DZ6	01-Mar-06	Volatile Organics (CLP)	trichloroethene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW16	Y2DZ5	Y2DZ6	01-Mar-06	Volatile Organics (CLP)	trichlorofluoromethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW16	Y2DZ5	Y2DZ6	01-Mar-06	Volatile Organics (CLP)	vinyl chloride	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW16	Y2DZ5	Y2DZ6	01-Mar-06	Semivolatile Organics (CLP)	1,2,4,5-tetrachlorobenzene	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW16	Y2DZ5	Y2DZ6	01-Mar-06	Semivolatile Organics (CLP)	2,2'-oxybis(1-chloropropane)	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW16	Y2DZ5	Y2DZ6	01-Mar-06	Semivolatile Organics (CLP)	2,3,4,6-tetrachlorophenol	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW16	Y2DZ5	Y2DZ6	01-Mar-06	Semivolatile Organics (CLP)	2,4,5- trichlorophenol	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW16	Y2DZ5	Y2DZ6	01-Mar-06	Semivolatile Organics (CLP)	2,4,6-trichlorophenol	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW16	Y2DZ5	Y2DZ6	01-Mar-06	Semivolatile Organics (CLP)	2,4-dichlorophenol	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW16	Y2DZ5	Y2DZ6	01-Mar-06	Semivolatile Organics (CLP)	2,4-dimethylphenol	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW16	Y2DZ5	Y2DZ6	01-Mar-06	Semivolatile Organics (CLP)	2,4-dinitrophenol	µg/L	10	U		10	10	U		10	NC	Agreement	Use reporting limit	--
EPAMW16	Y2DZ5	Y2DZ6	01-Mar-06	Semivolatile Organics (CLP)	2,4-dinitrotoluene	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW16	Y2DZ5	Y2DZ6	01-Mar-06	Semivolatile Organics (CLP)	2,6-dinitrotoluene	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW16	Y2DZ5	Y2DZ6	01-Mar-06	Semivolatile Organics (CLP)	2-chloronaphthalene	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW16	Y2DZ5	Y2DZ6	01-Mar-06	Semivolatile Organics (CLP)	2-chlorophenol	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW16	Y2DZ5	Y2DZ6	01-Mar-06	Semivolatile Organics (CLP)	2-methylnaphthalene	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW16	Y2DZ5	Y2DZ6	01-Mar-06	Semivolatile Organics (CLP)	2-methylphenol	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW16	Y2DZ5	Y2DZ6	01-Mar-06	Semivolatile Organics (CLP)	2-nitroaniline	µg/L	10	U		10	10	U		10	NC	Agreement	Use reporting limit	--
EPAMW16	Y2DZ5	Y2DZ6	01-Mar-06	Semivolatile Organics (CLP)	2-nitrophenol	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW16	Y2DZ5	Y2DZ6	01-Mar-06	Semivolatile Organics (CLP)	3,3-dichlorobenzidine	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW16	Y2DZ5	Y2DZ6	01-Mar-06	Semivolatile Organics (CLP)	3-nitroaniline	µg/L	10	U		10	10	U		10	NC	Agreement	Use reporting limit	--
EPAMW16	Y2DZ5	Y2DZ6	01-Mar-06	Semivolatile Organics (CLP)	4,6-dinitro-2-methylphenol	µg/L	10	U		10	10	U		10	NC	Agreement	Use reporting limit	--
EPAMW16	Y2DZ5	Y2DZ6	01-Mar-06	Semivolatile Organics (CLP)	4-bromophenyl-phenyl ether	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW16	Y2DZ5	Y2DZ6	01-Mar-06	Semivolatile Organics (CLP)	4-chloro-3-methylphenol	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW16	Y2DZ5	Y2DZ6	01-Mar-06	Semivolatile Organics (CLP)	4-chloroaniline	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW16	Y2DZ5	Y2DZ6	01-Mar-06	Semivolatile Organics (CLP)	4-chlorophenyl-phenyl ether	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW16	Y2DZ5	Y2DZ6	01-Mar-06	Semivolatile Organics (CLP)	4-methylphenol	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW16	Y2DZ5	Y2DZ6	01-Mar-06	Semivolatile Organics (CLP)	4-nitroaniline	µg/L	10	U		10	10	U		10	NC	Agreement	Use reporting limit	--
EPAMW16	Y2DZ5	Y2DZ6	01-Mar-06	Semivolatile Organics (CLP)	4-nitrophenol	µg/L	10	U		10	10	U		10	NC	Agreement	Use reporting limit	--
EPAMW16	Y2DZ5	Y2DZ6	01-Mar-06	Semivolatile Organics (CLP)	acenaphthene	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW16	Y2DZ5	Y2DZ6	01-Mar-06	Semivolatile Organics (CLP)	acenaphthylene	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW16	Y2DZ5	Y2DZ6	01-Mar-06	Semivolatile Organics (CLP)	acetophenone	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW16	Y2DZ5	Y2DZ6	01-Mar-06	Semivolatile Organics (CLP)	anthracene	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW16	Y2DZ5	Y2DZ6	01-Mar-06	Semivolatile Organics (CLP)	atrazine	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW16	Y2DZ5	Y2DZ6	01-Mar-06	Semivolatile Organics (CLP)	benzaldehyde	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--

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							Result	Q	DL	RL	Result	Q	DL	RL				
EPAMW16	Y2DZ5	Y2DZ6	01-Mar-06	Semivolatile Organics (CLP)	benzo(a)anthracene	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW16	Y2DZ5	Y2DZ6	01-Mar-06	Semivolatile Organics (CLP)	benzo(a)pyrene	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW16	Y2DZ5	Y2DZ6	01-Mar-06	Semivolatile Organics (CLP)	benzo(b)fluoranthene	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW16	Y2DZ5	Y2DZ6	01-Mar-06	Semivolatile Organics (CLP)	benzo(g,h,i)perylene	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW16	Y2DZ5	Y2DZ6	01-Mar-06	Semivolatile Organics (CLP)	benzo(k)fluoranthene	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW16	Y2DZ5	Y2DZ6	01-Mar-06	Semivolatile Organics (CLP)	biphenyl	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW16	Y2DZ5	Y2DZ6	01-Mar-06	Semivolatile Organics (CLP)	bis(2-chloroethoxy)methane	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW16	Y2DZ5	Y2DZ6	01-Mar-06	Semivolatile Organics (CLP)	bis(2-chloroethyl)ether	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW16	Y2DZ5	Y2DZ6	01-Mar-06	Semivolatile Organics (CLP)	bis(2-ethylhexyl)phthalate	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW16	Y2DZ5	Y2DZ6	01-Mar-06	Semivolatile Organics (CLP)	butylbenzyl phthalate	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW16	Y2DZ5	Y2DZ6	01-Mar-06	Semivolatile Organics (CLP)	caprolactam	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW16	Y2DZ5	Y2DZ6	01-Mar-06	Semivolatile Organics (CLP)	carbazole	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW16	Y2DZ5	Y2DZ6	01-Mar-06	Semivolatile Organics (CLP)	chrysene	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW16	Y2DZ5	Y2DZ6	01-Mar-06	Semivolatile Organics (CLP)	dibenzo(a,h)anthracene	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW16	Y2DZ5	Y2DZ6	01-Mar-06	Semivolatile Organics (CLP)	dibenzofuran	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW16	Y2DZ5	Y2DZ6	01-Mar-06	Semivolatile Organics (CLP)	diethyl phthalate	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW16	Y2DZ5	Y2DZ6	01-Mar-06	Semivolatile Organics (CLP)	dimethyl phthalate	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW16	Y2DZ5	Y2DZ6	01-Mar-06	Semivolatile Organics (CLP)	di-n-butylphthalate	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW16	Y2DZ5	Y2DZ6	01-Mar-06	Semivolatile Organics (CLP)	di-n-octyl phthalate	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW16	Y2DZ5	Y2DZ6	01-Mar-06	Semivolatile Organics (CLP)	fluoranthene	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW16	Y2DZ5	Y2DZ6	01-Mar-06	Semivolatile Organics (CLP)	fluorene	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW16	Y2DZ5	Y2DZ6	01-Mar-06	Semivolatile Organics (CLP)	hexachlorobenzene	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW16	Y2DZ5	Y2DZ6	01-Mar-06	Semivolatile Organics (CLP)	hexachlorobutadiene	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW16	Y2DZ5	Y2DZ6	01-Mar-06	Semivolatile Organics (CLP)	hexachlorocyclopentadiene	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW16	Y2DZ5	Y2DZ6	01-Mar-06	Semivolatile Organics (CLP)	hexachloroethane	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW16	Y2DZ5	Y2DZ6	01-Mar-06	Semivolatile Organics (CLP)	indeno(1,2,3-c,d)pyrene	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW16	Y2DZ5	Y2DZ6	01-Mar-06	Semivolatile Organics (CLP)	isophorone	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW16	Y2DZ5	Y2DZ6	01-Mar-06	Semivolatile Organics (CLP)	naphthalene	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW16	Y2DZ5	Y2DZ6	01-Mar-06	Semivolatile Organics (CLP)	nitrobenzene	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW16	Y2DZ5	Y2DZ6	01-Mar-06	Semivolatile Organics (CLP)	n-nitrosodi-n-propylamine	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW16	Y2DZ5	Y2DZ6	01-Mar-06	Semivolatile Organics (CLP)	n-nitrosodiphenylamine	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW16	Y2DZ5	Y2DZ6	01-Mar-06	Semivolatile Organics (CLP)	pentachlorophenol	µg/L	10	U		10	10	U		10	NC	Agreement	Use reporting limit	--
EPAMW16	Y2DZ5	Y2DZ6	01-Mar-06	Semivolatile Organics (CLP)	phenanthrene	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW16	Y2DZ5	Y2DZ6	01-Mar-06	Semivolatile Organics (CLP)	phenol	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW16	Y2DZ5	Y2DZ6	01-Mar-06	Semivolatile Organics (CLP)	pyrene	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW16	Y2DZ5	Y2DZ6	01-Mar-06	Dissolved Metal (CLP)	aluminum	µg/L	200	U	30.7	200	200	U	30.7	200	NC	Agreement	Use reporting limit	--
EPAMW16	Y2DZ5	Y2DZ6	01-Mar-06	Dissolved Metal (CLP)	antimony	µg/L	0.07	UJ	0.046	2	0.06	UJ	0.046	2	NC	Agreement	Use reporting limit	--
EPAMW16	Y2DZ5	Y2DZ6	01-Mar-06	Dissolved Metal (CLP)	arsenic	µg/L	**0.28**	**J**	0.049	1	**0.26**	**J**	0.049	1	**7.4%**	Agreement	Use higher concentration	--
EPAMW16	Y2DZ5	Y2DZ6	01-Mar-06	Dissolved Metal (CLP)	barium	µg/L	**51.2**		0.92	10	**54.1**		0.92	10	**5.5%**	Agreement	Use higher concentration	--
EPAMW16	Y2DZ5	Y2DZ6	01-Mar-06	Dissolved Metal (CLP)	beryllium	µg/L	1	U	0.065	1	1	U	0.065	1	NC	Agreement	Use reporting limit	--
EPAMW16	Y2DZ5	Y2DZ6	01-Mar-06	Dissolved Metal (CLP)	boron	µg/L	**109**		0.72	100	**110**		0.72	100	**0.9%**	Agreement	Use higher concentration	--

Notes:

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TABLE C-4
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							Result	Q	DL	RL	Result	Q	DL	RL				
EPAMW16	Y2DZ5	Y2DZ6	01-Mar-06	Dissolved Metal (CLP)	cadmium	µg/L	1	U	0.059	1	1	U	0.059	1	NC	Agreement	Use reporting limit	--
EPAMW16	Y2DZ5	Y2DZ6	01-Mar-06	Dissolved Metal (CLP)	calcium	µg/L	**76200**		195	5000	**77400**		195	5000	**1.6%**	Agreement	Use higher concentration	--
EPAMW16	Y2DZ5	Y2DZ6	01-Mar-06	Dissolved Metal (CLP)	chromium (total)	µg/L	**4.2**		0.17	2	**4.4**		0.17	2	**4.7%**	Agreement	Use higher concentration	--
EPAMW16	Y2DZ5	Y2DZ6	01-Mar-06	Dissolved Metal (CLP)	cobalt	µg/L	1	U	0.14	1	1	U	0.14	1	NC	Agreement	Use reporting limit	--
EPAMW16	Y2DZ5	Y2DZ6	01-Mar-06	Dissolved Metal (CLP)	copper	µg/L	1	UJ	0.28	2	1.1	UJ	0.28	2	NC	Agreement	Use reporting limit	--
EPAMW16	Y2DZ5	Y2DZ6	01-Mar-06	Dissolved Metal (CLP)	iron	µg/L	100	U	20.5	100	100	U	20.5	100	NC	Agreement	Use reporting limit	--
EPAMW16	Y2DZ5	Y2DZ6	01-Mar-06	Dissolved Metal (CLP)	lead	µg/L	0.19	U	0.055	1	1	U	0.055	1	NC	Agreement	Use reporting limit	--
EPAMW16	Y2DZ5	Y2DZ6	01-Mar-06	Dissolved Metal (CLP)	magnesium	µg/L	**24000**		41.7	5000	**24300**		41.7	5000	**1.2%**	Agreement	Use higher concentration	--
EPAMW16	Y2DZ5	Y2DZ6	01-Mar-06	Dissolved Metal (CLP)	manganese	µg/L	0.21	UJ	0.032	1	0.21	UJ	0.032	1	NC	Agreement	Use reporting limit	--
EPAMW16	Y2DZ5	Y2DZ6	01-Mar-06	Dissolved Metal (CLP)	mercury	µg/L	0.2	U	0.04	0.2	**0.057**	**J**	0.04	0.2	NC	Agreement	Use positive result	--
EPAMW16	Y2DZ5	Y2DZ6	01-Mar-06	Dissolved Metal (CLP)	molybdenum	µg/L	**5.5**		0.09	1	**5.7**		0.09	1	**3.6%**	Agreement	Use higher concentration	--
EPAMW16	Y2DZ5	Y2DZ6	01-Mar-06	Dissolved Metal (CLP)	nickel	µg/L	1	U	0.29	1	1	U	0.29	1	NC	Agreement	Use reporting limit	--
EPAMW16	Y2DZ5	Y2DZ6	01-Mar-06	Dissolved Metal (CLP)	potassium	µg/L	**1510**	**J**	11.3	5000	1540	UJ	11.3	5000	NC	Agreement	Use higher concentration	--
EPAMW16	Y2DZ5	Y2DZ6	01-Mar-06	Dissolved Metal (CLP)	selenium	µg/L	**0.48**	**J**	0.15	5	**0.69**	**J**	0.15	5	**35.9%**	Disagreement	Use higher concentration	Both concentrations do not exceed MCL
EPAMW16	Y2DZ5	Y2DZ6	01-Mar-06	Dissolved Metal (CLP)	silver	µg/L	1	U	0.022	1	1	U	0.022	1	NC	Agreement	Use reporting limit	--
EPAMW16	Y2DZ5	Y2DZ6	01-Mar-06	Dissolved Metal (CLP)	sodium	µg/L	**24800**		121	5000	**25200**		121	5000	**1.6%**	Agreement	Use higher concentration	--
EPAMW16	Y2DZ5	Y2DZ6	01-Mar-06	Dissolved Metal (CLP)	thallium	µg/L	1	U	0.073	1	1	U	0.073	1	NC	Agreement	Use reporting limit	--
EPAMW16	Y2DZ5	Y2DZ6	01-Mar-06	Dissolved Metal (CLP)	vanadium	µg/L	**3.2**	**J**	0.04	1	**3.3**	**J**	0.04	1	**3.1%**	Agreement	Use higher concentration	--
EPAMW16	Y2DZ5	Y2DZ6	01-Mar-06	Dissolved Metal (CLP)	zinc	µg/L	**8.6**		0.3	2	**9.6**		0.3	2	**11.0%**	Agreement	Use higher concentration	--
EPAMW16	Y34W5	Y34W6	06-Feb-07	Volatile Organics (CLP)	1,1,1-trichloroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW16	Y34W5	Y34W6	06-Feb-07	Volatile Organics (CLP)	1,1,2,2-tetrachloroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW16	Y34W5	Y34W6	06-Feb-07	Volatile Organics (CLP)	1,1,2-trichloro-1,2,2-trifluoroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW16	Y34W5	Y34W6	06-Feb-07	Volatile Organics (CLP)	1,1,2-trichloroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW16	Y34W5	Y34W6	06-Feb-07	Volatile Organics (CLP)	1,1-dichloroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW16	Y34W5	Y34W6	06-Feb-07	Volatile Organics (CLP)	1,1-dichloroethene	µg/L	0.5	U		0.5	**0.083**	**J**		0.5	NC	Agreement	Use reporting limit	--
EPAMW16	Y34W5	Y34W6	06-Feb-07	Volatile Organics (CLP)	1,2,3-trichlorobenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW16	Y34W5	Y34W6	06-Feb-07	Volatile Organics (CLP)	1,2,4-trichlorobenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW16	Y34W5	Y34W6	06-Feb-07	Volatile Organics (CLP)	1,2-dibromoethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW16	Y34W5	Y34W6	06-Feb-07	Volatile Organics (CLP)	1,2-dichlorobenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW16	Y34W5	Y34W6	06-Feb-07	Volatile Organics (CLP)	1,2-dichloroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW16	Y34W5	Y34W6	06-Feb-07	Volatile Organics (CLP)	1,2-dichloropropane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW16	Y34W5	Y34W6	06-Feb-07	Volatile Organics (CLP)	1,3-dichlorobenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW16	Y34W5	Y34W6	06-Feb-07	Volatile Organics (CLP)	1,4-dichlorobenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW16	Y34W5	Y34W6	06-Feb-07	Volatile Organics (CLP)	1,4-dioxane	µg/L	20	R		20	20	R		20	NC	Agreement	Use reporting limit	--
EPAMW16	Y34W5	Y34W6	06-Feb-07	Volatile Organics (CLP)	2-butanone	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW16	Y34W5	Y34W6	06-Feb-07	Volatile Organics (CLP)	2-hexanone	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW16	Y34W5	Y34W6	06-Feb-07	Volatile Organics (CLP)	4-methyl-2-pentanone	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW16	Y34W5	Y34W6	06-Feb-07	Volatile Organics (CLP)	acetone	µg/L	5	UJ		5	5	UJ		5	NC	Agreement	Use reporting limit	--
EPAMW16	Y34W5	Y34W6	06-Feb-07	Volatile Organics (CLP)	benzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW16	Y34W5	Y34W6	06-Feb-07	Volatile Organics (CLP)	bromochloromethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW16	Y34W5	Y34W6	06-Feb-07	Volatile Organics (CLP)	bromodichloromethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--

Notes:
[1]Relative percent difference calculated using the equation %RPD = ((N-D)/(N+D))/2.
[2]Table C-3 provides EPA's criteria for comparing field duplicate sample results.
[3]The reporting criteria for field duplicates are designed to ensure that the most conservative data set in terms of protection of human health and the environment.

D = Field Duplicate
N = Primary Sample
mg/L = milligram(s) per liter
µg/L = microgram(s) per liter
ng/L = nanogram(s) per liter
NC = RPD not calculated
RPD = relative percent difference
-- = comparison to criterion not required due to data agreement.

Qualifiers
J = Estimated Value
LJ = Estimated Value, Result May be Biased Low
R = Rejected
U = Non-Detect
UJ = Non-Detect Estimated Value
UR = Rejected Non-Detect

Location	Parent Sample ID	Field Duplicate ID	Sample Date	Analysis Method	Parameter	Units	Parent Sample Results				Field Duplicate Results				RPD[1]	Conclusion[2]	Reporting Criteria[3]	Comparison to Evaluation Criterion in event of Disagreement or Major Disagreement
							Result	Q	DL	RL	Result	Q	DL	RL				
EPAMW16	Y34W5	Y34W6	06-Feb-07	Volatile Organics (CLP)	bromoform	µg/L	0.5	U		0.5	0.5	UJ		0.5	NC	Agreement	Use reporting limit	--
EPAMW16	Y34W5	Y34W6	06-Feb-07	Volatile Organics (CLP)	bromomethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW16	Y34W5	Y34W6	06-Feb-07	Volatile Organics (CLP)	carbon disulfide	µg/L	0.5	U		0.5	0.5	UJ		0.5	NC	Agreement	Use reporting limit	--
EPAMW16	Y34W5	Y34W6	06-Feb-07	Volatile Organics (CLP)	carbon tetrachloride	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW16	Y34W5	Y34W6	06-Feb-07	Volatile Organics (CLP)	chlorobenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW16	Y34W5	Y34W6	06-Feb-07	Volatile Organics (CLP)	chloroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW16	Y34W5	Y34W6	06-Feb-07	Volatile Organics (CLP)	chloroform	µg/L	0.5	U		0.5	0.5	UJ		0.5	NC	Agreement	Use reporting limit	--
EPAMW16	Y34W5	Y34W6	06-Feb-07	Volatile Organics (CLP)	chloromethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW16	Y34W5	Y34W6	06-Feb-07	Volatile Organics (CLP)	cis-1,2-dichloroethene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW16	Y34W5	Y34W6	06-Feb-07	Volatile Organics (CLP)	cis-1,3-dichloropropene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW16	Y34W5	Y34W6	06-Feb-07	Volatile Organics (CLP)	cyclohexane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW16	Y34W5	Y34W6	06-Feb-07	Volatile Organics (CLP)	dibromochloromethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW16	Y34W5	Y34W6	06-Feb-07	Volatile Organics (CLP)	dibromochloropropane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW16	Y34W5	Y34W6	06-Feb-07	Volatile Organics (CLP)	dichlorodifluoromethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW16	Y34W5	Y34W6	06-Feb-07	Volatile Organics (CLP)	ethylbenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW16	Y34W5	Y34W6	06-Feb-07	Volatile Organics (CLP)	isopropylbenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW16	Y34W5	Y34W6	06-Feb-07	Volatile Organics (CLP)	m,p-xylene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW16	Y34W5	Y34W6	06-Feb-07	Volatile Organics (CLP)	methyl ester acetic acid	µg/L	0.5	U		0.5	**0.034**	**J**		0.5	NC	Agreement	Use positive result	--
EPAMW16	Y34W5	Y34W6	06-Feb-07	Volatile Organics (CLP)	methyl tert-butyl ether	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW16	Y34W5	Y34W6	06-Feb-07	Volatile Organics (CLP)	methylcyclohexane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW16	Y34W5	Y34W6	06-Feb-07	Volatile Organics (CLP)	methylene chloride	µg/L	0.5	U		0.5	0.5	UJ		0.5	NC	Agreement	Use reporting limit	--
EPAMW16	Y34W5	Y34W6	06-Feb-07	Volatile Organics (CLP)	o-xylene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW16	Y34W5	Y34W6	06-Feb-07	Volatile Organics (CLP)	styrene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW16	Y34W5	Y34W6	06-Feb-07	Volatile Organics (CLP)	tert-butyl alcohol	µg/L	5	R		5	5	R		5	NC	Agreement	Use reporting limit	--
EPAMW16	Y34W5	Y34W6	06-Feb-07	Volatile Organics (CLP)	tetrachloroethene	µg/L	**0.2**	**J**		0.5	**0.13**	**J**		0.5	**42.4%**	Disagreement	Use higher concentration	Both concentrations do not exceed MCL
EPAMW16	Y34W5	Y34W6	06-Feb-07	Volatile Organics (CLP)	toluene	µg/L	0.5	U		0.5	0.5	UJ		0.5	NC	Agreement	Use reporting limit	--
EPAMW16	Y34W5	Y34W6	06-Feb-07	Volatile Organics (CLP)	trans-1,2-dichloroethene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW16	Y34W5	Y34W6	06-Feb-07	Volatile Organics (CLP)	trans-1,3-dichloropropene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW16	Y34W5	Y34W6	06-Feb-07	Volatile Organics (CLP)	trichloroethene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW16	Y34W5	Y34W6	06-Feb-07	Volatile Organics (CLP)	trichlorofluoromethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW16	Y34W5	Y34W6	06-Feb-07	Volatile Organics (CLP)	vinyl chloride	µg/L	0.5	U		0.5	0.5	UJ		0.5	NC	Agreement	Use reporting limit	--
EPAMW16	Y3ET3	Y3ET4	21-Aug-07	EPA Method 314.0	perchlorate	µg/L	**2.2**		1	2	**2.3**		1	2	**4.4%**	Agreement	Use higher concentration	--
EPAMW16	Y3ET3	Y3ET4	21-Aug-07	EPA Method 300.0	nitrate (as no3)	mg/L	**24**		0.05	0.1	**24**		0.05	0.1	**0.0%**	Agreement	Use detected concentration	--
EPAMW16	Y3ET3	Y3ET4	21-Aug-07	EPA Method 160.1	total dissolved solids	mg/L	**420**		10	20	**420**		10	20	**0.0%**	Agreement	Use detected concentration	--
EPAMW16	Y3ET3	Y3ET4	21-Aug-07	Volatile Organics (CLP)	1,1,1-trichloroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW16	Y3ET3	Y3ET4	21-Aug-07	Volatile Organics (CLP)	1,1,2,2-tetrachloroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW16	Y3ET3	Y3ET4	21-Aug-07	Volatile Organics (CLP)	1,1,2-trichloro-1,2,2-trifluoroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW16	Y3ET3	Y3ET4	21-Aug-07	Volatile Organics (CLP)	1,1,2-trichloroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW16	Y3ET3	Y3ET4	21-Aug-07	Volatile Organics (CLP)	1,1-dichloroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW16	Y3ET3	Y3ET4	21-Aug-07	Volatile Organics (CLP)	1,1-dichloroethene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW16	Y3ET3	Y3ET4	21-Aug-07	Volatile Organics (CLP)	1,2,3-trichlorobenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--

Notes:
[1]Relative percent difference calculated using the equation %RPD = ((N-D)/(N+D))/2.
[2]Table C-3 provides EPA's criteria for comparing field duplicate sample results.
[3]The reporting criteria for field duplicates are designed to ensure that the most conservative data set in terms of protection of human health and the environment.

D = Field Duplicate
N = Primary Sample
mg/L = milligram(s) per liter
µg/L = microgram(s) per liter
ng/L = nanogram(s) per liter
NC = RPD not calculated
RPD = relative percent difference
-- = comparison to criterion not required due to data agreement.

Qualifiers
J = Estimated Value
LJ = Estimated Value, Result May be Biased Low
R = Rejected
U = Non-Detect
UJ = Non-Detect Estimated Value
UR = Rejected Non-Detect

Location	Parent Sample ID	Field Duplicate ID	Sample Date	Analysis Method	Parameter	Units	Parent Sample Results				Field Duplicate Results				RPD[1]	Conclusion[2]	Reporting Criteria[3]	Comparison to Evaluation Criterion in event of Disagreement or Major Disagreement
							Result	Q	DL	RL	Result	Q	DL	RL				
EPAMW16	Y3ET3	Y3ET4	21-Aug-07	Volatile Organics (CLP)	1,2,4-trichlorobenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW16	Y3ET3	Y3ET4	21-Aug-07	Volatile Organics (CLP)	1,2-dibromoethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW16	Y3ET3	Y3ET4	21-Aug-07	Volatile Organics (CLP)	1,2-dichlorobenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW16	Y3ET3	Y3ET4	21-Aug-07	Volatile Organics (CLP)	1,2-dichloroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW16	Y3ET3	Y3ET4	21-Aug-07	Volatile Organics (CLP)	1,2-dichloropropane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW16	Y3ET3	Y3ET4	21-Aug-07	Volatile Organics (CLP)	1,3-dichlorobenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW16	Y3ET3	Y3ET4	21-Aug-07	Volatile Organics (CLP)	1,4-dichlorobenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW16	Y3ET3	Y3ET4	21-Aug-07	Volatile Organics (CLP)	2-butanone	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW16	Y3ET3	Y3ET4	21-Aug-07	Volatile Organics (CLP)	2-hexanone	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW16	Y3ET3	Y3ET4	21-Aug-07	Volatile Organics (CLP)	4-methyl-2-pentanone	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW16	Y3ET3	Y3ET4	21-Aug-07	Volatile Organics (CLP)	acetone	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW16	Y3ET3	Y3ET4	21-Aug-07	Volatile Organics (CLP)	benzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW16	Y3ET3	Y3ET4	21-Aug-07	Volatile Organics (CLP)	bromochloromethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW16	Y3ET3	Y3ET4	21-Aug-07	Volatile Organics (CLP)	bromodichloromethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW16	Y3ET3	Y3ET4	21-Aug-07	Volatile Organics (CLP)	bromoform	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW16	Y3ET3	Y3ET4	21-Aug-07	Volatile Organics (CLP)	bromomethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW16	Y3ET3	Y3ET4	21-Aug-07	Volatile Organics (CLP)	carbon disulfide	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW16	Y3ET3	Y3ET4	21-Aug-07	Volatile Organics (CLP)	carbon tetrachloride	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW16	Y3ET3	Y3ET4	21-Aug-07	Volatile Organics (CLP)	chlorobenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW16	Y3ET3	Y3ET4	21-Aug-07	Volatile Organics (CLP)	chloroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW16	Y3ET3	Y3ET4	21-Aug-07	Volatile Organics (CLP)	chloroform	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW16	Y3ET3	Y3ET4	21-Aug-07	Volatile Organics (CLP)	chloromethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW16	Y3ET3	Y3ET4	21-Aug-07	Volatile Organics (CLP)	cis-1,2-dichloroethene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW16	Y3ET3	Y3ET4	21-Aug-07	Volatile Organics (CLP)	cis-1,3-dichloropropene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW16	Y3ET3	Y3ET4	21-Aug-07	Volatile Organics (CLP)	cyclohexane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW16	Y3ET3	Y3ET4	21-Aug-07	Volatile Organics (CLP)	dibromochloromethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW16	Y3ET3	Y3ET4	21-Aug-07	Volatile Organics (CLP)	dibromochloropropane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW16	Y3ET3	Y3ET4	21-Aug-07	Volatile Organics (CLP)	dichlorodifluoromethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW16	Y3ET3	Y3ET4	21-Aug-07	Volatile Organics (CLP)	ethylbenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW16	Y3ET3	Y3ET4	21-Aug-07	Volatile Organics (CLP)	isopropylbenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW16	Y3ET3	Y3ET4	21-Aug-07	Volatile Organics (CLP)	m,p-xylene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW16	Y3ET3	Y3ET4	21-Aug-07	Volatile Organics (CLP)	methyl ester acetic acid	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW16	Y3ET3	Y3ET4	21-Aug-07	Volatile Organics (CLP)	methyl tert-butyl ether	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW16	Y3ET3	Y3ET4	21-Aug-07	Volatile Organics (CLP)	methylcyclohexane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW16	Y3ET3	Y3ET4	21-Aug-07	Volatile Organics (CLP)	methylene chloride	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW16	Y3ET3	Y3ET4	21-Aug-07	Volatile Organics (CLP)	o-xylene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW16	Y3ET3	Y3ET4	21-Aug-07	Volatile Organics (CLP)	styrene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW16	Y3ET3	Y3ET4	21-Aug-07	Volatile Organics (CLP)	tert-butyl alcohol	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW16	Y3ET3	Y3ET4	21-Aug-07	Volatile Organics (CLP)	tetrachloroethene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW16	Y3ET3	Y3ET4	21-Aug-07	Volatile Organics (CLP)	toluene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW16	Y3ET3	Y3ET4	21-Aug-07	Volatile Organics (CLP)	trans-1,2-dichloroethene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--

Notes:

[1]Relative percent difference calculated using the equation %RPD = ((N-D)/(N+D))/2.

[2]Table C-3 provides EPA's criteria for comparing field duplicate sample results.

[3]The reporting criteria for field duplicates are designed to ensure that the most conservative data set in terms of protection of human health and the environment.

D = Field Duplicate
N = Primary Sample
mg/L = milligram(s) per liter
µg/L = microgram(s) per liter
ng/L = nanogram(s) per liter
NC = RPD not calculated
RPD = relative percent difference
-- = comparison to criterion not required due to data agreement.

Qualifiers
J = Estimated Value
LJ = Estimated Value, Result May be Biased Low
R = Rejected
U = Non-Detect
UJ = Non-Detect Estimated Value
UR = Rejected Non-Detect

TABLE C-4
Field Duplicate Evaluation
Remedial Investigation
San Gabriel Valley Area 3 Superfund Site

Location	Parent Sample ID	Field Duplicate ID	Sample Date	Analysis Method	Parameter	Units	Parent Sample Results				Field Duplicate Results				RPD[1]	Conclusion[2]	Reporting Criteria[3]	Comparison to Evaluation Criterion in event of Disagreement or Major Disagreement
							Result	Q	DL	RL	Result	Q	DL	RL				
EPAMW16	Y3ET3	Y3ET4	21-Aug-07	Volatile Organics (CLP)	trans-1,3-dichloropropene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW16	Y3ET3	Y3ET4	21-Aug-07	Volatile Organics (CLP)	trichloroethene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW16	Y3ET3	Y3ET4	21-Aug-07	Volatile Organics (CLP)	trichlorofluoromethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW16	Y3ET3	Y3ET4	21-Aug-07	Volatile Organics (CLP)	vinyl chloride	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW17	Y2TD7	Y2TD8	24-Aug-06	EPA (SM) Method 2320	bicarbonate alkalinity (as caco3)	mg/L	**270**		5	10	**270**		5	10	**0.0%**	Agreement	Use detected concentration	--
EPAMW17	Y2TD7	Y2TD8	24-Aug-06	EPA (SM) Method 2320	carbonate alkalinity (as caco3)	mg/L	10	U	5	10	10	U	5	10	NC	Agreement	Use reporting limit	--
EPAMW17	Y2TD7	Y2TD8	24-Aug-06	EPA (SM) Method 2320	hydroxide alkalinity (as caco3)	mg/L	10	U	5	10	10	U	5	10	NC	Agreement	Use reporting limit	--
EPAMW17	Y2TD7	Y2TD8	24-Aug-06	EPA (SM) Method 2320	total alkalinity (as caco3)	mg/L	**270**		5	10	**270**		5	10	**0.0%**	Agreement	Use detected concentration	--
EPAMW17	Y2TD7	Y2TD8	24-Aug-06	Dissolved Metal (CLP)	antimony	µg/L	1.4	UJ	0.3	2	1.2	UJ	0.3	2	NC	Agreement	Use reporting limit	--
EPAMW17	Y2TD7	Y2TD8	24-Aug-06	Dissolved Metal (CLP)	arsenic	µg/L	**4.4**		0.2	1	**4.4**		0.2	1	**0.0%**	Agreement	Use detected concentration	--
EPAMW17	Y2TD7	Y2TD8	24-Aug-06	Dissolved Metal (CLP)	barium	µg/L	**22.4**		0.23	10	**20.6**		0.23	10	**8.4%**	Agreement	Use higher concentration	--
EPAMW17	Y2TD7	Y2TD8	24-Aug-06	Dissolved Metal (CLP)	beryllium	µg/L	1	U	0.094	1	1	U	0.094	1	NC	Agreement	Use reporting limit	--
EPAMW17	Y2TD7	Y2TD8	24-Aug-06	Dissolved Metal (CLP)	cadmium	µg/L	1	U	0.11	1	1	U	0.11	1	NC	Agreement	Use reporting limit	--
EPAMW17	Y2TD7	Y2TD8	24-Aug-06	Dissolved Metal (CLP)	chromium (total)	µg/L	1.1	UJ	0.058	2	1	UJ	0.058	2	NC	Agreement	Use reporting limit	--
EPAMW17	Y2TD7	Y2TD8	24-Aug-06	Dissolved Metal (CLP)	cobalt	µg/L	0.27	UJ	0.022	1	0.28	UJ	0.022	1	NC	Agreement	Use reporting limit	--
EPAMW17	Y2TD7	Y2TD8	24-Aug-06	Dissolved Metal (CLP)	copper	µg/L	0.49	UJ	0.37	2	0.56	UJ	0.37	2	NC	Agreement	Use reporting limit	--
EPAMW17	Y2TD7	Y2TD8	24-Aug-06	Dissolved Metal (CLP)	lead	µg/L	0.35	UJ	0.083	1	0.09	UJ	0.083	1	NC	Agreement	Use reporting limit	--
EPAMW17	Y2TD7	Y2TD8	24-Aug-06	Dissolved Metal (CLP)	manganese	µg/L	**49.7**		0.087	1	**44.2**		0.087	1	**11.7%**	Agreement	Use higher concentration	--
EPAMW17	Y2TD7	Y2TD8	24-Aug-06	Dissolved Metal (CLP)	mercury	µg/L	0.2	U	0.085	0.2	**0.19**		0.085	0.2	NC	Agreement	Use positive result	--
EPAMW17	Y2TD7	Y2TD8	24-Aug-06	Dissolved Metal (CLP)	molybdenum	µg/L	**163**		0.092	1	**171**		0.092	1	**4.8%**	Agreement	Use higher concentration	--
EPAMW17	Y2TD7	Y2TD8	24-Aug-06	Dissolved Metal (CLP)	nickel	µg/L	**5**		0.052	1	**4.7**		0.052	1	**6.2%**	Agreement	Use higher concentration	--
EPAMW17	Y2TD7	Y2TD8	24-Aug-06	Dissolved Metal (CLP)	selenium	µg/L	5	U	1.7	5	5	U	1.7	5	NC	Agreement	Use reporting limit	--
EPAMW17	Y2TD7	Y2TD8	24-Aug-06	Dissolved Metal (CLP)	silver	µg/L	1	U	0.027	1	1	U	0.027	1	NC	Agreement	Use reporting limit	--
EPAMW17	Y2TD7	Y2TD8	24-Aug-06	Dissolved Metal (CLP)	thallium	µg/L	1	U	0.054	1	1	U	0.054	1	NC	Agreement	Use reporting limit	--
EPAMW17	Y2TD7	Y2TD8	24-Aug-06	Dissolved Metal (CLP)	vanadium	µg/L	**1.2**	**J**	0.12	1	**2.9**	**J**	0.12	1	**82.9%**	Major Disagreement	Use higher concentration	Both concentrations exceed MCL
EPAMW17	Y2TD7	Y2TD8	24-Aug-06	Dissolved Metal (CLP)	zinc	µg/L	1.5	UJ	0.7	2	1.8	UJ	0.7	2	NC	Agreement	Use reporting limit	--
EPAMW17	Y2TD7	Y2TD8	24-Aug-06	Volatile Organics (CLP)	1,1,1-trichloroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW17	Y2TD7	Y2TD8	24-Aug-06	Volatile Organics (CLP)	1,1,2,2-tetrachloroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW17	Y2TD7	Y2TD8	24-Aug-06	Volatile Organics (CLP)	1,1,2-trichloro-1,2,2-trifluoroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW17	Y2TD7	Y2TD8	24-Aug-06	Volatile Organics (CLP)	1,1,2-trichloroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW17	Y2TD7	Y2TD8	24-Aug-06	Volatile Organics (CLP)	1,1-dichloroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW17	Y2TD7	Y2TD8	24-Aug-06	Volatile Organics (CLP)	1,1-dichloroethene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW17	Y2TD7	Y2TD8	24-Aug-06	Volatile Organics (CLP)	1,2,3-trichlorobenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW17	Y2TD7	Y2TD8	24-Aug-06	Volatile Organics (CLP)	1,2,4-trichlorobenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW17	Y2TD7	Y2TD8	24-Aug-06	Volatile Organics (CLP)	1,2-dibromoethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW17	Y2TD7	Y2TD8	24-Aug-06	Volatile Organics (CLP)	1,2-dichlorobenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW17	Y2TD7	Y2TD8	24-Aug-06	Volatile Organics (CLP)	1,2-dichloroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW17	Y2TD7	Y2TD8	24-Aug-06	Volatile Organics (CLP)	1,2-dichloropropane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW17	Y2TD7	Y2TD8	24-Aug-06	Volatile Organics (CLP)	1,3-dichlorobenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW17	Y2TD7	Y2TD8	24-Aug-06	Volatile Organics (CLP)	1,4-dichlorobenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW17	Y2TD7	Y2TD8	24-Aug-06	Volatile Organics (CLP)	1,4-dioxane	µg/L	20	R		20	20	R		20	NC	Agreement	Use reporting limit	--

Notes:
[1]Relative percent difference calculated using the equation %RPD = ((N-D)/(N+D))/2.
[2]Table C-3 provides EPA's criteria for comparing field duplicate sample results.
[3]The reporting criteria for field duplicates are designed to ensure that the most conservative data set in terms of protection of human health and the environment.

D = Field Duplicate
N = Primary Sample
mg/L = milligram(s) per liter
µg/L = microgram(s) per liter
ng/L = nanogram(s) per liter
NC = RPD not calculated
RPD = relative percent difference
-- = comparison to criterion not required due to data agreement.

Qualifiers
J = Estimated Value
LJ = Estimated Value, Result May be Biased Low
R = Rejected
U = Non-Detect
UJ = Non-Detect Estimated Value
UR = Rejected Non-Detect

Location	Parent Sample ID	Field Duplicate ID	Sample Date	Analysis Method	Parameter	Units	Parent Sample Results				Field Duplicate Results				RPD[1]	Conclusion[2]	Reporting Criteria[3]	Comparison to Evaluation Criterion in event of Disagreement or Major Disagreement
							Result	Q	DL	RL	Result	Q	DL	RL				
EPAMW17	Y2TD7	Y2TD8	24-Aug-06	Volatile Organics (CLP)	2-butanone	µg/L	5	R		5	5	R		5	NC	Agreement	Use reporting limit	--
EPAMW17	Y2TD7	Y2TD8	24-Aug-06	Volatile Organics (CLP)	2-hexanone	µg/L	5	R		5	5	R		5	NC	Agreement	Use reporting limit	--
EPAMW17	Y2TD7	Y2TD8	24-Aug-06	Volatile Organics (CLP)	4-methyl-2-pentanone	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW17	Y2TD7	Y2TD8	24-Aug-06	Volatile Organics (CLP)	acetone	µg/L	5	R		5	5	R		5	NC	Agreement	Use reporting limit	--
EPAMW17	Y2TD7	Y2TD8	24-Aug-06	Volatile Organics (CLP)	benzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW17	Y2TD7	Y2TD8	24-Aug-06	Volatile Organics (CLP)	bromochloromethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW17	Y2TD7	Y2TD8	24-Aug-06	Volatile Organics (CLP)	bromodichloromethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW17	Y2TD7	Y2TD8	24-Aug-06	Volatile Organics (CLP)	bromoform	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW17	Y2TD7	Y2TD8	24-Aug-06	Volatile Organics (CLP)	bromomethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW17	Y2TD7	Y2TD8	24-Aug-06	Volatile Organics (CLP)	carbon disulfide	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW17	Y2TD7	Y2TD8	24-Aug-06	Volatile Organics (CLP)	carbon tetrachloride	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW17	Y2TD7	Y2TD8	24-Aug-06	Volatile Organics (CLP)	chlorobenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW17	Y2TD7	Y2TD8	24-Aug-06	Volatile Organics (CLP)	chloroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW17	Y2TD7	Y2TD8	24-Aug-06	Volatile Organics (CLP)	chloroform	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW17	Y2TD7	Y2TD8	24-Aug-06	Volatile Organics (CLP)	chloromethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW17	Y2TD7	Y2TD8	24-Aug-06	Volatile Organics (CLP)	cis-1,2-dichloroethene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW17	Y2TD7	Y2TD8	24-Aug-06	Volatile Organics (CLP)	cis-1,3-dichloropropene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW17	Y2TD7	Y2TD8	24-Aug-06	Volatile Organics (CLP)	cyclohexane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW17	Y2TD7	Y2TD8	24-Aug-06	Volatile Organics (CLP)	dibromochloromethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW17	Y2TD7	Y2TD8	24-Aug-06	Volatile Organics (CLP)	dibromochloropropane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW17	Y2TD7	Y2TD8	24-Aug-06	Volatile Organics (CLP)	dichlorodifluoromethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW17	Y2TD7	Y2TD8	24-Aug-06	Volatile Organics (CLP)	ethylbenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW17	Y2TD7	Y2TD8	24-Aug-06	Volatile Organics (CLP)	isopropylbenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW17	Y2TD7	Y2TD8	24-Aug-06	Volatile Organics (CLP)	m,p-xylene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW17	Y2TD7	Y2TD8	24-Aug-06	Volatile Organics (CLP)	methyl ester acetic acid	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW17	Y2TD7	Y2TD8	24-Aug-06	Volatile Organics (CLP)	methyl tert-butyl ether	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW17	Y2TD7	Y2TD8	24-Aug-06	Volatile Organics (CLP)	methylcyclohexane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW17	Y2TD7	Y2TD8	24-Aug-06	Volatile Organics (CLP)	methylene chloride	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW17	Y2TD7	Y2TD8	24-Aug-06	Volatile Organics (CLP)	o-xylene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW17	Y2TD7	Y2TD8	24-Aug-06	Volatile Organics (CLP)	styrene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW17	Y2TD7	Y2TD8	24-Aug-06	Volatile Organics (CLP)	tert-butyl alcohol	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW17	Y2TD7	Y2TD8	24-Aug-06	Volatile Organics (CLP)	tetrachloroethene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW17	Y2TD7	Y2TD8	24-Aug-06	Volatile Organics (CLP)	toluene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW17	Y2TD7	Y2TD8	24-Aug-06	Volatile Organics (CLP)	trans-1,2-dichloroethene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW17	Y2TD7	Y2TD8	24-Aug-06	Volatile Organics (CLP)	trans-1,3-dichloropropene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW17	Y2TD7	Y2TD8	24-Aug-06	Volatile Organics (CLP)	trichloroethene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW17	Y2TD7	Y2TD8	24-Aug-06	Volatile Organics (CLP)	trichlorofluoromethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW17	Y2TD7	Y2TD8	24-Aug-06	Volatile Organics (CLP)	vinyl chloride	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW18	Y1XC3	Y1XC4	25-May-05	Volatile Organics (CLP)	1,1,1-trichloroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW18	Y1XC3	Y1XC4	25-May-05	Volatile Organics (CLP)	1,1,2,2-tetrachloroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW18	Y1XC3	Y1XC4	25-May-05	Volatile Organics (CLP)	1,1,2-trichloro-1,2,2-trifluoroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--

Notes:

[1]Relative percent difference calculated using the equation %RPD = ((N-D)/(N+D))/2.

[2]Table C-3 provides EPA's criteria for comparing field duplicate sample results.

[3]The reporting criteria for field duplicates are designed to ensure that the most conservative data set in terms of protection of human health and the environment.

D = Field Duplicate
N = Primary Sample
mg/L = milligram(s) per liter
µg/L = microgram(s) per liter
ng/L = nanogram(s) per liter
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RPD = relative percent difference
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J = Estimated Value
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TABLE C-4
Field Duplicate Evaluation
Remedial Investigation
San Gabriel Valley Area 3 Superfund Site

Location	Parent Sample ID	Field Duplicate ID	Sample Date	Analysis Method	Parameter	Units	Parent Sample Results				Field Duplicate Results				RPD[1]	Conclusion[2]	Reporting Criteria[3]	Comparison to Evaluation Criterion in event of Disagreement or Major Disagreement
							Result	Q	DL	RL	Result	Q	DL	RL				
EPAMW18	Y1XC3	Y1XC4	25-May-05	Volatile Organics (CLP)	1,1,2-trichloroethane	µg/L	0.5	UJ		0.5	0.5	UJ		0.5	NC	Agreement	Use reporting limit	--
EPAMW18	Y1XC3	Y1XC4	25-May-05	Volatile Organics (CLP)	1,1-dichloroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW18	Y1XC3	Y1XC4	25-May-05	Volatile Organics (CLP)	1,1-dichloroethene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW18	Y1XC3	Y1XC4	25-May-05	Volatile Organics (CLP)	1,2,3-trichlorobenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW18	Y1XC3	Y1XC4	25-May-05	Volatile Organics (CLP)	1,2,4-trichlorobenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW18	Y1XC3	Y1XC4	25-May-05	Volatile Organics (CLP)	1,2-dibromoethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW18	Y1XC3	Y1XC4	25-May-05	Volatile Organics (CLP)	1,2-dichlorobenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW18	Y1XC3	Y1XC4	25-May-05	Volatile Organics (CLP)	1,2-dichloroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW18	Y1XC3	Y1XC4	25-May-05	Volatile Organics (CLP)	1,2-dichloropropane	µg/L	0.5	UJ		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW18	Y1XC3	Y1XC4	25-May-05	Volatile Organics (CLP)	1,3-dichlorobenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW18	Y1XC3	Y1XC4	25-May-05	Volatile Organics (CLP)	1,4-dichlorobenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW18	Y1XC3	Y1XC4	25-May-05	Volatile Organics (CLP)	2-butanone	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW18	Y1XC3	Y1XC4	25-May-05	Volatile Organics (CLP)	2-hexanone	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW18	Y1XC3	Y1XC4	25-May-05	Volatile Organics (CLP)	4-methyl-2-pentanone	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW18	Y1XC3	Y1XC4	25-May-05	Volatile Organics (CLP)	acetone	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW18	Y1XC3	Y1XC4	25-May-05	Volatile Organics (CLP)	benzene	µg/L	**0.12**	**J**			**0.14**	**J**			**15.4%**	Agreement	Use higher concentration	--
EPAMW18	Y1XC3	Y1XC4	25-May-05	Volatile Organics (CLP)	bromochloromethane	µg/L	**0.29**	**J**			**0.29**	**J**			**0.0%**	Agreement	Use detected concentration	--
EPAMW18	Y1XC3	Y1XC4	25-May-05	Volatile Organics (CLP)	bromodichloromethane	µg/L	**1.7**	**J**			**1.9**				**11.1%**	Agreement	Use higher concentration	--
EPAMW18	Y1XC3	Y1XC4	25-May-05	Volatile Organics (CLP)	bromoform	µg/L	**0.9**				**0.9**				**0.0%**	Agreement	Use detected concentration	--
EPAMW18	Y1XC3	Y1XC4	25-May-05	Volatile Organics (CLP)	bromomethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW18	Y1XC3	Y1XC4	25-May-05	Volatile Organics (CLP)	carbon disulfide	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW18	Y1XC3	Y1XC4	25-May-05	Volatile Organics (CLP)	carbon tetrachloride	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW18	Y1XC3	Y1XC4	25-May-05	Volatile Organics (CLP)	chlorobenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW18	Y1XC3	Y1XC4	25-May-05	Volatile Organics (CLP)	chloroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW18	Y1XC3	Y1XC4	25-May-05	Volatile Organics (CLP)	chloroform	µg/L	**2.7**				**3**				**10.5%**	Agreement	Use higher concentration	--
EPAMW18	Y1XC3	Y1XC4	25-May-05	Volatile Organics (CLP)	chloromethane	µg/L	0.5	U		0.5	**0.82**				NC	Agreement	Use positive result	--
EPAMW18	Y1XC3	Y1XC4	25-May-05	Volatile Organics (CLP)	cis-1,2-dichloroethene	µg/L	0.5	UJ		0.5	0.5	UJ		0.5	NC	Agreement	Use reporting limit	--
EPAMW18	Y1XC3	Y1XC4	25-May-05	Volatile Organics (CLP)	cis-1,3-dichloropropene	µg/L	**0.12**	**J**			**0.13**	**J**			**8.0%**	Agreement	Use higher concentration	--
EPAMW18	Y1XC3	Y1XC4	25-May-05	Volatile Organics (CLP)	cyclohexane	µg/L	0.5	UJ		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW18	Y1XC3	Y1XC4	25-May-05	Volatile Organics (CLP)	dibromochloromethane	µg/L	**1.3**				**1.4**				**7.4%**	Agreement	Use higher concentration	--
EPAMW18	Y1XC3	Y1XC4	25-May-05	Volatile Organics (CLP)	dibromochloropropane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW18	Y1XC3	Y1XC4	25-May-05	Volatile Organics (CLP)	dichlorodifluoromethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW18	Y1XC3	Y1XC4	25-May-05	Volatile Organics (CLP)	ethylbenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW18	Y1XC3	Y1XC4	25-May-05	Volatile Organics (CLP)	isopropylbenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW18	Y1XC3	Y1XC4	25-May-05	Volatile Organics (CLP)	methyl ester acetic acid	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW18	Y1XC3	Y1XC4	25-May-05	Volatile Organics (CLP)	methyl tert-butyl ether	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW18	Y1XC3	Y1XC4	25-May-05	Volatile Organics (CLP)	methylcyclohexane	µg/L	0.5	UJ		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW18	Y1XC3	Y1XC4	25-May-05	Volatile Organics (CLP)	methylene chloride	µg/L	**0.19**	**J**			**0.22**	**J**			**14.6%**	Agreement	Use higher concentration	--
EPAMW18	Y1XC3	Y1XC4	25-May-05	Volatile Organics (CLP)	styrene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW18	Y1XC3	Y1XC4	25-May-05	Volatile Organics (CLP)	tert-butyl alcohol	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW18	Y1XC3	Y1XC4	25-May-05	Volatile Organics (CLP)	tetrachloroethene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--

Notes:
[1]Relative percent difference calculated using the equation %RPD = ((N-D)/(N+D))/2.
[2]Table C-3 provides EPA's criteria for comparing field duplicate sample results.
[3]The reporting criteria for field duplicates are designed to ensure that the most conservative data set in terms of protection of human health and the environment.

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TABLE C-4
Field Duplicate Evaluation
Remedial Investigation
San Gabriel Valley Area 3 Superfund Site

Location	Parent Sample ID	Field Duplicate ID	Sample Date	Analysis Method	Parameter	Units	Parent Sample Results				Field Duplicate Results				RPD[1]	Conclusion[2]	Reporting Criteria[3]	Comparison to Evaluation Criterion in event of Disagreement or Major Disagreement
							Result	Q	DL	RL	Result	Q	DL	RL				
EPAMW18	Y1XC3	Y1XC4	25-May-05	Volatile Organics (CLP)	toluene	µg/L	0.5	UJ			0.5	UJ			NC	Agreement	Use reporting limit	--
EPAMW18	Y1XC3	Y1XC4	25-May-05	Volatile Organics (CLP)	total xylenes	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW18	Y1XC3	Y1XC4	25-May-05	Volatile Organics (CLP)	trans-1,2-dichloroethene	µg/L	0.5	UJ		0.5	0.5	UJ		0.5	NC	Agreement	Use reporting limit	--
EPAMW18	Y1XC3	Y1XC4	25-May-05	Volatile Organics (CLP)	trans-1,3-dichloropropene	µg/L	0.5	UJ		0.5	0.5	UJ		0.5	NC	Agreement	Use reporting limit	--
EPAMW18	Y1XC3	Y1XC4	25-May-05	Volatile Organics (CLP)	trichloroethene	µg/L	**0.23**	**J**			**0.24**	**J**			**4.3%**	Agreement	Use higher concentration	--
EPAMW18	Y1XC3	Y1XC4	25-May-05	Volatile Organics (CLP)	trichlorofluoromethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW18	Y1XC3	Y1XC4	25-May-05	Volatile Organics (CLP)	vinyl chloride	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW18	Y2HM0	Y2HM1	24-May-06	EPA Method 218.6 (Hex Chr.	chromium vi	µg/L	0.2	U	0.1	0.2	0.2	U	0.1	0.2	NC	Agreement	Use reporting limit	--
EPAMW18	Y2HM0	Y2HM1	24-May-06	EPA Method 8260B-SIM	1,2,3-trichloropropane	µg/L	0.005	U	0.0025	0.005	0.005	U	0.0025	0.005	NC	Agreement	Use reporting limit	--
EPAMW18	Y2HM0	Y2HM1	24-May-06	PA Method 607/1625M-NDM	n-nitrosodimethylamine	NG/L	**2**	**J**	0.54	2	**2**	**J**	0.54	2	**0.0%**	Agreement	Use detected concentration	--
EPAMW18	Y2HM0	Y2HM1	24-May-06	EPA (SM) Method 2320	bicarbonate alkalinity (as caco3)	mg/L	**180**		5	10	**180**		5	10	**0.0%**	Agreement	Use detected concentration	--
EPAMW18	Y2HM0	Y2HM1	24-May-06	EPA (SM) Method 2320	carbonate alkalinity (as caco3)	mg/L	10	U	5	10	10	U	5	10	NC	Agreement	Use reporting limit	--
EPAMW18	Y2HM0	Y2HM1	24-May-06	EPA (SM) Method 2320	hydroxide alkalinity (as caco3)	mg/L	10	U	5	10	10	U	5	10	NC	Agreement	Use reporting limit	--
EPAMW18	Y2HM0	Y2HM1	24-May-06	EPA (SM) Method 2320	total alkalinity (as caco3)	mg/L	**180**		5	10	**180**		5	10	**0.0%**	Agreement	Use detected concentration	--
EPAMW18	Y2HM0	Y2HM1	24-May-06	EPA Method 314.0	perchlorate	µg/L	2	U	1	2	2	U	1	2	NC	Agreement	Use reporting limit	--
EPAMW18	Y2HM0	Y2HM1	24-May-06	EPA Method 8270C	1,2,4-trichlorobenzene	µg/L	1	U	0.5	1	1	U	0.5	1	NC	Agreement	Use reporting limit	--
EPAMW18	Y2HM0	Y2HM1	24-May-06	EPA Method 8270C	1,2-dichlorobenzene	µg/L	1	U	0.5	1	1	U	0.5	1	NC	Agreement	Use reporting limit	--
EPAMW18	Y2HM0	Y2HM1	24-May-06	EPA Method 8270C	1,3-dichlorobenzene	µg/L	1	U	0.5	1	1	U	0.5	1	NC	Agreement	Use reporting limit	--
EPAMW18	Y2HM0	Y2HM1	24-May-06	EPA Method 8270C	1,4-dichlorobenzene	µg/L	1	U	0.5	1	1	U	0.5	1	NC	Agreement	Use reporting limit	--
EPAMW18	Y2HM0	Y2HM1	24-May-06	EPA Method 8270C	1,4-dioxane	µg/L	1	U	0.5	1	1	U	0.5	1	NC	Agreement	Use reporting limit	--
EPAMW18	Y2HM0	Y2HM1	24-May-06	EPA Method 8270C	2,2'-oxybis(1-chloropropane)	µg/L	1	U	0.5	1	1	U	0.5	1	NC	Agreement	Use reporting limit	--
EPAMW18	Y2HM0	Y2HM1	24-May-06	EPA Method 8270C	2,4,5- trichlorophenol	µg/L	5	U	2.5	5	5	U	2.5	5	NC	Agreement	Use reporting limit	--
EPAMW18	Y2HM0	Y2HM1	24-May-06	EPA Method 8270C	2,4,6-trichlorophenol	µg/L	5	U	2.5	5	5	U	2.5	5	NC	Agreement	Use reporting limit	--
EPAMW18	Y2HM0	Y2HM1	24-May-06	EPA Method 8270C	2,4-dichlorophenol	µg/L	5	U	2.5	5	5	U	2.5	5	NC	Agreement	Use reporting limit	--
EPAMW18	Y2HM0	Y2HM1	24-May-06	EPA Method 8270C	2,4-dimethylphenol	µg/L	5	U	2.5	5	5	U	2.5	5	NC	Agreement	Use reporting limit	--
EPAMW18	Y2HM0	Y2HM1	24-May-06	EPA Method 8270C	2,4-dinitrophenol	µg/L	5	UJ	2.5	5	5	UJ	2.5	5	NC	Agreement	Use reporting limit	--
EPAMW18	Y2HM0	Y2HM1	24-May-06	EPA Method 8270C	2,4-dinitrotoluene	µg/L	1	U	0.5	1	1	U	0.5	1	NC	Agreement	Use reporting limit	--
EPAMW18	Y2HM0	Y2HM1	24-May-06	EPA Method 8270C	2,6-dinitrotoluene	µg/L	1	U	0.5	1	1	U	0.5	1	NC	Agreement	Use reporting limit	--
EPAMW18	Y2HM0	Y2HM1	24-May-06	EPA Method 8270C	2-chloronaphthalene	µg/L	1	U	0.5	1	1	U	0.5	1	NC	Agreement	Use reporting limit	--
EPAMW18	Y2HM0	Y2HM1	24-May-06	EPA Method 8270C	2-chlorophenol	µg/L	5	U	2.5	5	5	U	2.5	5	NC	Agreement	Use reporting limit	--
EPAMW18	Y2HM0	Y2HM1	24-May-06	EPA Method 8270C	2-methylnaphthalene	µg/L	1	U	0.5	1	1	U	0.5	1	NC	Agreement	Use reporting limit	--
EPAMW18	Y2HM0	Y2HM1	24-May-06	EPA Method 8270C	2-methylphenol	µg/L	5	U	2.5	5	5	U	2.5	5	NC	Agreement	Use reporting limit	--
EPAMW18	Y2HM0	Y2HM1	24-May-06	EPA Method 8270C	2-nitroaniline	µg/L	5	U	2.5	5	5	U	2.5	5	NC	Agreement	Use reporting limit	--
EPAMW18	Y2HM0	Y2HM1	24-May-06	EPA Method 8270C	2-nitrophenol	µg/L	5	U	2.5	5	5	U	2.5	5	NC	Agreement	Use reporting limit	--
EPAMW18	Y2HM0	Y2HM1	24-May-06	EPA Method 8270C	3,3-dichlorobenzidine	µg/L	5	U	2.5	5	5	U	2.5	5	NC	Agreement	Use reporting limit	--
EPAMW18	Y2HM0	Y2HM1	24-May-06	EPA Method 8270C	3/4 methylphenol	µg/L	5	U	2.5	5	5	U	2.5	5	NC	Agreement	Use reporting limit	--
EPAMW18	Y2HM0	Y2HM1	24-May-06	EPA Method 8270C	3-nitroaniline	µg/L	5	U	2.5	5	5	U	2.5	5	NC	Agreement	Use reporting limit	--
EPAMW18	Y2HM0	Y2HM1	24-May-06	EPA Method 8270C	4,6-dinitro-2-methylphenol	µg/L	5	U	2.5	5	5	U	2.5	5	NC	Agreement	Use reporting limit	--
EPAMW18	Y2HM0	Y2HM1	24-May-06	EPA Method 8270C	4-bromophenyl-phenyl ether	µg/L	1	U	0.5	1	1	U	0.5	1	NC	Agreement	Use reporting limit	--
EPAMW18	Y2HM0	Y2HM1	24-May-06	EPA Method 8270C	4-chloro-3-methylphenol	µg/L	5	U	2.5	5	5	U	2.5	5	NC	Agreement	Use reporting limit	--
EPAMW18	Y2HM0	Y2HM1	24-May-06	EPA Method 8270C	4-chloroaniline	µg/L	5	U	2.5	5	5	U	2.5	5	NC	Agreement	Use reporting limit	--

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[1]Relative percent difference calculated using the equation %RPD = ((N-D)/(N+D))/2.
[2]Table C-3 provides EPA's criteria for comparing field duplicate sample results.
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							Result	Q	DL	RL	Result	Q	DL	RL				
EPAMW18	Y2HM0	Y2HM1	24-May-06	EPA Method 8270C	4-chlorophenyl-phenyl ether	µg/L	1	U	0.5	1	1	U	0.5	1	NC	Agreement	Use reporting limit	--
EPAMW18	Y2HM0	Y2HM1	24-May-06	EPA Method 8270C	4-nitroaniline	µg/L	5	U	2.5	5	5	U	2.5	5	NC	Agreement	Use reporting limit	--
EPAMW18	Y2HM0	Y2HM1	24-May-06	EPA Method 8270C	4-nitrophenol	µg/L	5	U	2.5	5	5	U	2.5	5	NC	Agreement	Use reporting limit	--
EPAMW18	Y2HM0	Y2HM1	24-May-06	EPA Method 8270C	acenaphthene	µg/L	1	U	0.5	1	1	U	0.5	1	NC	Agreement	Use reporting limit	--
EPAMW18	Y2HM0	Y2HM1	24-May-06	EPA Method 8270C	acenaphthylene	µg/L	1	U	0.5	1	1	U	0.5	1	NC	Agreement	Use reporting limit	--
EPAMW18	Y2HM0	Y2HM1	24-May-06	EPA Method 8270C	anthracene	µg/L	1	U	0.5	1	1	U	0.5	1	NC	Agreement	Use reporting limit	--
EPAMW18	Y2HM0	Y2HM1	24-May-06	EPA Method 8270C	benzo(a)anthracene	µg/L	1	U	0.5	1	1	U	0.5	1	NC	Agreement	Use reporting limit	--
EPAMW18	Y2HM0	Y2HM1	24-May-06	EPA Method 8270C	benzo(a)pyrene	µg/L	1	U	0.5	1	1	U	0.5	1	NC	Agreement	Use reporting limit	--
EPAMW18	Y2HM0	Y2HM1	24-May-06	EPA Method 8270C	benzo(b)fluoranthene	µg/L	1	U	0.5	1	1	U	0.5	1	NC	Agreement	Use reporting limit	--
EPAMW18	Y2HM0	Y2HM1	24-May-06	EPA Method 8270C	benzo(g,h,i)perylene	µg/L	1	U	0.5	1	1	U	0.5	1	NC	Agreement	Use reporting limit	--
EPAMW18	Y2HM0	Y2HM1	24-May-06	EPA Method 8270C	benzo(k)fluoranthene	µg/L	1	U	0.5	1	1	U	0.5	1	NC	Agreement	Use reporting limit	--
EPAMW18	Y2HM0	Y2HM1	24-May-06	EPA Method 8270C	benzyl alcohol	µg/L	5	U	2.5	5	5	U	2.5	5	NC	Agreement	Use reporting limit	--
EPAMW18	Y2HM0	Y2HM1	24-May-06	EPA Method 8270C	bis(2-chloroethoxy)methane	µg/L	1	U	0.5	1	1	U	0.5	1	NC	Agreement	Use reporting limit	--
EPAMW18	Y2HM0	Y2HM1	24-May-06	EPA Method 8270C	bis(2-chloroethyl)ether	µg/L	1	U	0.5	1	1	U	0.5	1	NC	Agreement	Use reporting limit	--
EPAMW18	Y2HM0	Y2HM1	24-May-06	EPA Method 8270C	bis(2-ethylhexyl)phthalate	µg/L	**3.8**	**J**	0.5	1	**2.4**	**J**	0.5	1	**45.2%**	Disagreement	Use higher concentration	Both concentrations do not exceed MCL
EPAMW18	Y2HM0	Y2HM1	24-May-06	EPA Method 8270C	butylbenzyl phthalate	µg/L	1	U	0.5	1	1	U	0.5	1	NC	Agreement	Use reporting limit	--
EPAMW18	Y2HM0	Y2HM1	24-May-06	EPA Method 8270C	carbazole	µg/L	1	U	0.5	1	1	U	0.5	1	NC	Agreement	Use reporting limit	--
EPAMW18	Y2HM0	Y2HM1	24-May-06	EPA Method 8270C	chrysene	µg/L	1	U	0.5	1	1	U	0.5	1	NC	Agreement	Use reporting limit	--
EPAMW18	Y2HM0	Y2HM1	24-May-06	EPA Method 8270C	dibenzo(a,h)anthracene	µg/L	1	U	0.5	1	1	U	0.5	1	NC	Agreement	Use reporting limit	--
EPAMW18	Y2HM0	Y2HM1	24-May-06	EPA Method 8270C	dibenzofuran	µg/L	1	U	0.5	1	1	U	0.5	1	NC	Agreement	Use reporting limit	--
EPAMW18	Y2HM0	Y2HM1	24-May-06	EPA Method 8270C	diethyl phthalate	µg/L	1	U	0.5	1	1	U	0.5	1	NC	Agreement	Use reporting limit	--
EPAMW18	Y2HM0	Y2HM1	24-May-06	EPA Method 8270C	dimethyl phthalate	µg/L	1	U	0.5	1	1	U	0.5	1	NC	Agreement	Use reporting limit	--
EPAMW18	Y2HM0	Y2HM1	24-May-06	EPA Method 8270C	di-n-butylphthalate	µg/L	1	U	0.5	1	1	U	0.5	1	NC	Agreement	Use reporting limit	--
EPAMW18	Y2HM0	Y2HM1	24-May-06	EPA Method 8270C	di-n-octyl phthalate	µg/L	1	U	0.5	1	1	U	0.5	1	NC	Agreement	Use reporting limit	--
EPAMW18	Y2HM0	Y2HM1	24-May-06	EPA Method 8270C	diphenylamine	µg/L	1	U	0.5	1	1	U	0.5	1	NC	Agreement	Use reporting limit	--
EPAMW18	Y2HM0	Y2HM1	24-May-06	EPA Method 8270C	fluoranthene	µg/L	1	U	0.5	1	1	U	0.5	1	NC	Agreement	Use reporting limit	--
EPAMW18	Y2HM0	Y2HM1	24-May-06	EPA Method 8270C	fluorene	µg/L	1	U	0.5	1	1	U	0.5	1	NC	Agreement	Use reporting limit	--
EPAMW18	Y2HM0	Y2HM1	24-May-06	EPA Method 8270C	hexachlorobenzene	µg/L	1	U	0.5	1	1	U	0.5	1	NC	Agreement	Use reporting limit	--
EPAMW18	Y2HM0	Y2HM1	24-May-06	EPA Method 8270C	hexachlorobutadiene	µg/L	1	U	0.5	1	1	U	0.5	1	NC	Agreement	Use reporting limit	--
EPAMW18	Y2HM0	Y2HM1	24-May-06	EPA Method 8270C	hexachlorocyclopentadiene	µg/L	1	UJ	0.5	1	1	UJ	0.5	1	NC	Agreement	Use reporting limit	--
EPAMW18	Y2HM0	Y2HM1	24-May-06	EPA Method 8270C	hexachloroethane	µg/L	1	U	0.5	1	1	U	0.5	1	NC	Agreement	Use reporting limit	--
EPAMW18	Y2HM0	Y2HM1	24-May-06	EPA Method 8270C	indeno(1,2,3-c,d)pyrene	µg/L	1	U	0.5	1	1	U	0.5	1	NC	Agreement	Use reporting limit	--
EPAMW18	Y2HM0	Y2HM1	24-May-06	EPA Method 8270C	isophorone	µg/L	1	U	0.5	1	1	U	0.5	1	NC	Agreement	Use reporting limit	--
EPAMW18	Y2HM0	Y2HM1	24-May-06	EPA Method 8270C	naphthalene	µg/L	1	U	0.5	1	1	U	0.5	1	NC	Agreement	Use reporting limit	--
EPAMW18	Y2HM0	Y2HM1	24-May-06	EPA Method 8270C	nitrobenzene	µg/L	1	U	0.5	1	1	U	0.5	1	NC	Agreement	Use reporting limit	--
EPAMW18	Y2HM0	Y2HM1	24-May-06	EPA Method 8270C	n-nitrosodi-n-propylamine	µg/L	1	U	0.5	1	1	U	0.5	1	NC	Agreement	Use reporting limit	--
EPAMW18	Y2HM0	Y2HM1	24-May-06	EPA Method 8270C	pentachlorophenol	µg/L	5	U	2.5	5	5	U	2.5	5	NC	Agreement	Use reporting limit	--
EPAMW18	Y2HM0	Y2HM1	24-May-06	EPA Method 8270C	phenanthrene	µg/L	1	U	0.5	1	1	U	0.5	1	NC	Agreement	Use reporting limit	--
EPAMW18	Y2HM0	Y2HM1	24-May-06	EPA Method 8270C	phenol	µg/L	5	U	2.5	5	5	U	2.5	5	NC	Agreement	Use reporting limit	--
EPAMW18	Y2HM0	Y2HM1	24-May-06	EPA Method 8270C	pyrene	µg/L	1	U	0.5	1	1	U	0.5	1	NC	Agreement	Use reporting limit	--
EPAMW18	Y2HM0	Y2HM1	24-May-06	EPA Method 300.0	chloride	mg/L	**40**		0.5	1	**40**		0.5	1	**0.0%**	Agreement	Use detected concentration	--

Notes:

[1]Relative percent difference calculated using the equation %RPD = ((N-D)/(N+D))/2.

[2]Table C-3 provides EPA's criteria for comparing field duplicate sample results.

[3]The reporting criteria for field duplicates are designed to ensure that the most conservative data set in terms of protection of human health and the environment.

D = Field Duplicate
N = Primary Sample
mg/L = milligram(s) per liter
µg/L = microgram(s) per liter
ng/L = nanogram(s) per liter
NC = RPD not calculated
RPD = relative percent difference
-- = comparison to criterion not required due to data agreement.

Qualifiers
J = Estimated Value
LJ = Estimated Value, Result May be Biased Low
R = Rejected
U = Non-Detect
UJ = Non-Detect Estimated Value
UR = Rejected Non-Detect

TABLE C-4
Field Duplicate Evaluation
Remedial Investigation
San Gabriel Valley Area 3 Superfund Site

Location	Parent Sample ID	Field Duplicate ID	Sample Date	Analysis Method	Parameter	Units	Parent Sample Results				Field Duplicate Results				RPD[1]	Conclusion[2]	Reporting Criteria[3]	Comparison to Evaluation Criterion in event of Disagreement or Major Disagreement
							Result	Q	DL	RL	Result	Q	DL	RL				
EPAMW18	Y2HM0	Y2HM1	24-May-06	EPA Method 300.0	fluoride	mg/L	**0.56**		0.05	0.1	**0.56**		0.05	0.1	**0.0%**	Agreement	Use detected concentration	--
EPAMW18	Y2HM0	Y2HM1	24-May-06	EPA Method 300.0	nitrate (as no3)	mg/L	**1.2**		0.05	0.1	**1.2**		0.05	0.1	**0.0%**	Agreement	Use detected concentration	--
EPAMW18	Y2HM0	Y2HM1	24-May-06	EPA Method 300.0	sulfate	mg/L	**67**		0.5	1	**67**		0.5	1	**0.0%**	Agreement	Use detected concentration	--
EPAMW18	Y2TD5	Y2TD6	24-Aug-06	EPA Method 314.0	perchlorate	µg/L	2	U	1	2	**3.1**		1	2	NC	Agreement	Use positive result	--
EPAMW18	Y2TD5	Y2TD6	24-Aug-06	EPA Method 300.0	chloride	mg/L	**39**		0.5	1	**39**		0.5	1	**0.0%**	Agreement	Use detected concentration	--
EPAMW18	Y2TD5	Y2TD6	24-Aug-06	EPA Method 300.0	fluoride	mg/L	**0.57**		0.05	0.1	**0.59**		0.05	0.1	**3.4%**	Agreement	Use higher concentration	--
EPAMW18	Y2TD5	Y2TD6	24-Aug-06	EPA Method 300.0	nitrate (as no3)	mg/L	**1.6**		0.05	0.1	**1.6**		0.05	0.1	**0.0%**	Agreement	Use detected concentration	--
EPAMW18	Y2TD5	Y2TD6	24-Aug-06	EPA Method 300.0	sulfate	mg/L	**64**		0.5	1	**65**		0.5	1	**1.6%**	Agreement	Use higher concentration	--
EPAMW18	Y2HM0	Y2HM1	24-May-06	Dissolved Metal (CLP)	antimony	µg/L	2	U	0.046	2	2	U	0.046	2	NC	Agreement	Use reporting limit	--
EPAMW18	Y2HM0	Y2HM1	24-May-06	Dissolved Metal (CLP)	arsenic	µg/L	**1.6**		0.049	1	**1.6**		0.049	1	**0.0%**	Agreement	Use detected concentration	--
EPAMW18	Y2HM0	Y2HM1	24-May-06	Dissolved Metal (CLP)	barium	µg/L	**57.2**		0.92	10	**56.1**		0.92	10	**1.9%**	Agreement	Use higher concentration	--
EPAMW18	Y2HM0	Y2HM1	24-May-06	Dissolved Metal (CLP)	beryllium	µg/L	1	U	0.065	1	1	U	0.065	1	NC	Agreement	Use reporting limit	--
EPAMW18	Y2HM0	Y2HM1	24-May-06	Dissolved Metal (CLP)	cadmium	µg/L	1	U	0.059	1	1	U	0.059	1	NC	Agreement	Use reporting limit	--
EPAMW18	Y2HM0	Y2HM1	24-May-06	Dissolved Metal (CLP)	chromium (total)	µg/L	2	U	0.17	2	0.19	UJ	0.17	2	NC	Agreement	Use reporting limit	--
EPAMW18	Y2HM0	Y2HM1	24-May-06	Dissolved Metal (CLP)	cobalt	µg/L	1	U	0.14	1	1	U	0.14	1	NC	Agreement	Use reporting limit	--
EPAMW18	Y2HM0	Y2HM1	24-May-06	Dissolved Metal (CLP)	copper	µg/L	**2.1**		0.28	2	**1**	**J**	0.28	2	**71.0%**	Major Disagreement	Use higher concentration	Both concentrations do not exceed MCL
EPAMW18	Y2HM0	Y2HM1	24-May-06	Dissolved Metal (CLP)	lead	µg/L	0.08	UJ	0.055	1	1	U	0.055	1	NC	Agreement	Use reporting limit	--
EPAMW18	Y2HM0	Y2HM1	24-May-06	Dissolved Metal (CLP)	manganese	µg/L	**7.1**		0.032	1	**7.1**		0.032	1	**0.0%**	Agreement	Use detected concentration	--
EPAMW18	Y2HM0	Y2HM1	24-May-06	Dissolved Metal (CLP)	mercury	µg/L	0.2	U	0.032	0.2	0.2	U	0.032	0.2	NC	Agreement	Use reporting limit	--
EPAMW18	Y2HM0	Y2HM1	24-May-06	Dissolved Metal (CLP)	molybdenum	µg/L	**34.5**		0.094	1	**32.2**		0.094	1	**6.9%**	Agreement	Use higher concentration	--
EPAMW18	Y2HM0	Y2HM1	24-May-06	Dissolved Metal (CLP)	nickel	µg/L	0.85	UJ	0.29	1	0.82	UJ	0.29	1	NC	Agreement	Use reporting limit	--
EPAMW18	Y2HM0	Y2HM1	24-May-06	Dissolved Metal (CLP)	selenium	µg/L	**1.6**	**J**	0.15	5	**1.7**	**J**	0.15	5	**6.1%**	Agreement	Use higher concentration	--
EPAMW18	Y2HM0	Y2HM1	24-May-06	Dissolved Metal (CLP)	silver	µg/L	1	U	0.022	1	1	U	0.022	1	NC	Agreement	Use reporting limit	--
EPAMW18	Y2HM0	Y2HM1	24-May-06	Dissolved Metal (CLP)	thallium	µg/L	1	U	0.073	1	1	U	0.073	1	NC	Agreement	Use reporting limit	--
EPAMW18	Y2HM0	Y2HM1	24-May-06	Dissolved Metal (CLP)	vanadium	µg/L	**1.1**		0.04	1	**1.1**		0.04	1	**0.0%**	Agreement	Use detected concentration	--
EPAMW18	Y2HM0	Y2HM1	24-May-06	Dissolved Metal (CLP)	zinc	µg/L	**3.7**		0.3	2	**7.5**		0.3	2	**67.9%**	Major Disagreement	Use higher concentration	Highest concentration exceeds MCL
EPAMW18	Y2HM0	Y2HM1	24-May-06	Volatile Organics (CLP)	1,1,1-trichloroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW18	Y2HM0	Y2HM1	24-May-06	Volatile Organics (CLP)	1,1,2,2-tetrachloroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW18	Y2HM0	Y2HM1	24-May-06	Volatile Organics (CLP)	1,1,2-trichloro-1,2,2-trifluoroethane	µg/L	**0.1**	**J**		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW18	Y2HM0	Y2HM1	24-May-06	Volatile Organics (CLP)	1,1,2-trichloroethane	µg/L	0.5	UJ		0.5	0.5	UJ		0.5	NC	Agreement	Use reporting limit	--
EPAMW18	Y2HM0	Y2HM1	24-May-06	Volatile Organics (CLP)	1,1-dichloroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW18	Y2HM0	Y2HM1	24-May-06	Volatile Organics (CLP)	1,1-dichloroethene	µg/L	**0.13**	**J**		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW18	Y2HM0	Y2HM1	24-May-06	Volatile Organics (CLP)	1,2,3-trichlorobenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW18	Y2HM0	Y2HM1	24-May-06	Volatile Organics (CLP)	1,2,4-trichlorobenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW18	Y2HM0	Y2HM1	24-May-06	Volatile Organics (CLP)	1,2-dibromoethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW18	Y2HM0	Y2HM1	24-May-06	Volatile Organics (CLP)	1,2-dichlorobenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW18	Y2HM0	Y2HM1	24-May-06	Volatile Organics (CLP)	1,2-dichloroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW18	Y2HM0	Y2HM1	24-May-06	Volatile Organics (CLP)	1,2-dichloropropane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW18	Y2HM0	Y2HM1	24-May-06	Volatile Organics (CLP)	1,3-dichlorobenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW18	Y2HM0	Y2HM1	24-May-06	Volatile Organics (CLP)	1,4-dichlorobenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW18	Y2HM0	Y2HM1	24-May-06	Volatile Organics (CLP)	2-butanone	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--

Notes:
[1]Relative percent difference calculated using the equation %RPD = ((N-D)/(N+D))/2.
[2]Table C-3 provides EPA's criteria for comparing field duplicate sample results.
[3]The reporting criteria for field duplicates are designed to ensure that the most conservative data set in terms of protection of human health and the environment.

D = Field Duplicate
N = Primary Sample
mg/L = milligram(s) per liter
µg/L = microgram(s) per liter
ng/L = nanogram(s) per liter
NC = RPD not calculated
RPD = relative percent difference
-- = comparison to criterion not required due to data agreement.

Qualifiers
J = Estimated Value
LJ = Estimated Value, Result May be Biased Low
R = Rejected
U = Non-Detect
UJ = Non-Detect Estimated Value
UR = Rejected Non-Detect

Location	Parent Sample ID	Field Duplicate ID	Sample Date	Analysis Method	Parameter	Units	Parent Sample Results				Field Duplicate Results				RPD[1]	Conclusion[2]	Reporting Criteria[3]	Comparison to Evaluation Criterion in event of Disagreement or Major Disagreement
							Result	Q	DL	RL	Result	Q	DL	RL				
EPAMW18	Y2HM0	Y2HM1	24-May-06	Volatile Organics (CLP)	2-hexanone	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW18	Y2HM0	Y2HM1	24-May-06	Volatile Organics (CLP)	4-methyl-2-pentanone	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW18	Y2HM0	Y2HM1	24-May-06	Volatile Organics (CLP)	acetone	µg/L	5	U		5	5	U		5	NC	Agreement	Use reporting limit	--
EPAMW18	Y2HM0	Y2HM1	24-May-06	Volatile Organics (CLP)	benzene	µg/L	**0.11**	**J**		0.5	0.5	U		0.5	NC	Agreement	Use positive result	--
EPAMW18	Y2HM0	Y2HM1	24-May-06	Volatile Organics (CLP)	bromochloromethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW18	Y2HM0	Y2HM1	24-May-06	Volatile Organics (CLP)	bromodichloromethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW18	Y2HM0	Y2HM1	24-May-06	Volatile Organics (CLP)	bromoform	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW18	Y2HM0	Y2HM1	24-May-06	Volatile Organics (CLP)	bromomethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW18	Y2HM0	Y2HM1	24-May-06	Volatile Organics (CLP)	carbon disulfide	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW18	Y2HM0	Y2HM1	24-May-06	Volatile Organics (CLP)	carbon tetrachloride	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW18	Y2HM0	Y2HM1	24-May-06	Volatile Organics (CLP)	chlorobenzene	µg/L	**0.12**	**J**		0.5	0.5	U		0.5	NC	Agreement	Use positive result	--
EPAMW18	Y2HM0	Y2HM1	24-May-06	Volatile Organics (CLP)	chloroethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW18	Y2HM0	Y2HM1	24-May-06	Volatile Organics (CLP)	chloroform	µg/L	**0.13**	**J**		0.5	**0.13**	**J**		0.5	**0.0%**	Agreement	Use detected concentration	--
EPAMW18	Y2HM0	Y2HM1	24-May-06	Volatile Organics (CLP)	chloromethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW18	Y2HM0	Y2HM1	24-May-06	Volatile Organics (CLP)	cis-1,2-dichloroethene	µg/L	0.5	UJ		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW18	Y2HM0	Y2HM1	24-May-06	Volatile Organics (CLP)	cis-1,3-dichloropropene	µg/L	0.5	UJ		0.5	0.5	UJ		0.5	NC	Agreement	Use reporting limit	--
EPAMW18	Y2HM0	Y2HM1	24-May-06	Volatile Organics (CLP)	cyclohexane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW18	Y2HM0	Y2HM1	24-May-06	Volatile Organics (CLP)	dibromochloromethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW18	Y2HM0	Y2HM1	24-May-06	Volatile Organics (CLP)	dibromochloropropane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW18	Y2HM0	Y2HM1	24-May-06	Volatile Organics (CLP)	dichlorodifluoromethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW18	Y2HM0	Y2HM1	24-May-06	Volatile Organics (CLP)	ethylbenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW18	Y2HM0	Y2HM1	24-May-06	Volatile Organics (CLP)	isopropylbenzene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW18	Y2HM0	Y2HM1	24-May-06	Volatile Organics (CLP)	methyl ester acetic acid	µg/L	0.5	UJ		0.5	0.5	UJ		0.5	NC	Agreement	Use reporting limit	--
EPAMW18	Y2HM0	Y2HM1	24-May-06	Volatile Organics (CLP)	methyl tert-butyl ether	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW18	Y2HM0	Y2HM1	24-May-06	Volatile Organics (CLP)	methylcyclohexane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW18	Y2HM0	Y2HM1	24-May-06	Volatile Organics (CLP)	methylene chloride	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW18	Y2HM0	Y2HM1	24-May-06	Volatile Organics (CLP)	styrene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW18	Y2HM0	Y2HM1	24-May-06	Volatile Organics (CLP)	tert-butyl alcohol	µg/L	5	UJ		5	5	UJ		5	NC	Agreement	Use reporting limit	--
EPAMW18	Y2HM0	Y2HM1	24-May-06	Volatile Organics (CLP)	tetrachloroethene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW18	Y2HM0	Y2HM1	24-May-06	Volatile Organics (CLP)	toluene	µg/L	**0.1**	**J**		0.5	0.5	U		0.5	NC	Agreement	Use positive result	--
EPAMW18	Y2HM0	Y2HM1	24-May-06	Volatile Organics (CLP)	total xylenes	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW18	Y2HM0	Y2HM1	24-May-06	Volatile Organics (CLP)	trans-1,2-dichloroethene	µg/L	0.5	UJ		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW18	Y2HM0	Y2HM1	24-May-06	Volatile Organics (CLP)	trans-1,3-dichloropropene	µg/L	0.5	UJ		0.5	0.5	UJ		0.5	NC	Agreement	Use reporting limit	--
EPAMW18	Y2HM0	Y2HM1	24-May-06	Volatile Organics (CLP)	trichloroethene	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW18	Y2HM0	Y2HM1	24-May-06	Volatile Organics (CLP)	trichlorofluoromethane	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW18	Y2HM0	Y2HM1	24-May-06	Volatile Organics (CLP)	vinyl chloride	µg/L	0.5	U		0.5	0.5	U		0.5	NC	Agreement	Use reporting limit	--
EPAMW18	Y3QP8	Y3QP9	16-Nov-07	EPA Method 8270C	1,2,4-trichlorobenzene	µg/L	0.6	UJ	0.6	1.1	0.6	UJ	0.6	1.1	NC	Agreement	Use reporting limit	--
EPAMW18	Y3QP8	Y3QP9	16-Nov-07	EPA Method 8270C	1,2-dichlorobenzene	µg/L	0.6	UJ	0.6	1.1	0.6	UJ	0.6	1.1	NC	Agreement	Use reporting limit	--
EPAMW18	Y3QP8	Y3QP9	16-Nov-07	EPA Method 8270C	1,3-dichlorobenzene	µg/L	0.6	UJ	0.6	1.1	0.6	UJ	0.6	1.1	NC	Agreement	Use reporting limit	--
EPAMW18	Y3QP8	Y3QP9	16-Nov-07	EPA Method 8270C	1,4-dichlorobenzene	µg/L	0.6	UJ	0.6	1.1	0.6	UJ	0.6	1.1	NC	Agreement	Use reporting limit	--
EPAMW18	Y3QP8	Y3QP9	16-Nov-07	EPA Method 8270C	1,4-dioxane	µg/L	0.6	UJ	0.6	1.1	0.6	UJ	0.6	1.1	NC	Agreement	Use reporting limit	--

Notes:

[1]Relative percent difference calculated using the equation %RPD = ((N-D)/(N+D))/2.

[2]Table C-3 provides EPA's criteria for comparing field duplicate sample results.

[3]The reporting criteria for field duplicates are designed to ensure that the most conservative data set in terms of protection of human health and the environment.

D = Field Duplicate
N = Primary Sample
mg/L = milligram(s) per liter
µg/L = microgram(s) per liter
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NC = RPD not calculated
RPD = relative percent difference
-- = comparison to criterion not required due to data agreement.

Qualifiers
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LJ = Estimated Value, Result May be Biased Low
R = Rejected
U = Non-Detect
UJ = Non-Detect Estimated Value
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Location	Parent Sample ID	Field Duplicate ID	Sample Date	Analysis Method	Parameter	Units	Parent Sample Results				Field Duplicate Results				RPD[1]	Conclusion[2]	Reporting Criteria[3]	Comparison to Evaluation Criterion in event of Disagreement or Major Disagreement
							Result	Q	DL	RL	Result	Q	DL	RL				
EPAMW18	Y3QP8	Y3QP9	16-Nov-07	EPA Method 8270C	2,2'-oxybis(1-chloropropane)	µg/L	0.6	UJ	0.6	1.1	0.6	UJ	0.6	1.1	NC	Agreement	Use reporting limit	--
EPAMW18	Y3QP8	Y3QP9	16-Nov-07	EPA Method 8270C	2,4,5- trichlorophenol	µg/L	2.9	UJ	2.9	5.7	2.8	UJ	2.8	5.6	NC	Agreement	Use reporting limit	--
EPAMW18	Y3QP8	Y3QP9	16-Nov-07	EPA Method 8270C	2,4,6-trichlorophenol	µg/L	2.9	UJ	2.9	5.7	2.8	UJ	2.8	5.6	NC	Agreement	Use reporting limit	--
EPAMW18	Y3QP8	Y3QP9	16-Nov-07	EPA Method 8270C	2,4-dichlorophenol	µg/L	2.9	UJ	2.9	5.7	2.8	UJ	2.8	5.6	NC	Agreement	Use reporting limit	--
EPAMW18	Y3QP8	Y3QP9	16-Nov-07	EPA Method 8270C	2,4-dimethylphenol	µg/L	2.9	UJ	2.9	5.7	2.8	UJ	2.8	5.6	NC	Agreement	Use reporting limit	--
EPAMW18	Y3QP8	Y3QP9	16-Nov-07	EPA Method 8270C	2,4-dinitrophenol	µg/L	2.9	UJ	2.9	5.7	2.8	UJ	2.8	5.6	NC	Agreement	Use reporting limit	--
EPAMW18	Y3QP8	Y3QP9	16-Nov-07	EPA Method 8270C	2,4-dinitrotoluene	µg/L	0.6	UJ	0.6	1.1	0.6	UJ	0.6	1.1	NC	Agreement	Use reporting limit	--
EPAMW18	Y3QP8	Y3QP9	16-Nov-07	EPA Method 8270C	2,6-dinitrotoluene	µg/L	0.6	UJ	0.6	1.1	0.6	UJ	0.6	1.1	NC	Agreement	Use reporting limit	--
EPAMW18	Y3QP8	Y3QP9	16-Nov-07	EPA Method 8270C	2-chloronaphthalene	µg/L	0.6	UJ	0.6	1.1	0.6	UJ	0.6	1.1	NC	Agreement	Use reporting limit	--
EPAMW18	Y3QP8	Y3QP9	16-Nov-07	EPA Method 8270C	2-chlorophenol	µg/L	2.9	UJ	2.9	5.7	2.8	UJ	2.8	5.6	NC	Agreement	Use reporting limit	--
EPAMW18	Y3QP8	Y3QP9	16-Nov-07	EPA Method 8270C	2-methylnaphthalene	µg/L	0.6	UJ	0.6	1.1	0.6	UJ	0.6	1.1	NC	Agreement	Use reporting limit	--
EPAMW18	Y3QP8	Y3QP9	16-Nov-07	EPA Method 8270C	2-methylphenol	µg/L	2.9	UJ	2.9	5.7	2.8	UJ	2.8	5.6	NC	Agreement	Use reporting limit	--
EPAMW18	Y3QP8	Y3QP9	16-Nov-07	EPA Method 8270C	2-nitroaniline	µg/L	2.9	UJ	2.9	5.7	2.8	UJ	2.8	5.6	NC	Agreement	Use reporting limit	--
EPAMW18	Y3QP8	Y3QP9	16-Nov-07	EPA Method 8270C	2-nitrophenol	µg/L	2.9	UJ	2.9	5.7	2.8	UJ	2.8	5.6	NC	Agreement	Use reporting limit	--
EPAMW18	Y3QP8	Y3QP9	16-Nov-07	EPA Method 8270C	3,3-dichlorobenzidine	µg/L	2.9	UJ	2.9	5.7	2.8	UJ	2.8	5.6	NC	Agreement	Use reporting limit	--
EPAMW18	Y3QP8	Y3QP9	16-Nov-07	EPA Method 8270C	3/4 methylphenol	µg/L	2.9	UJ	2.9	5.7	2.8	UJ	2.8	5.6	NC	Agreement	Use reporting limit	--
EPAMW18	Y3QP8	Y3QP9	16-Nov-07	EPA Method 8270C	3-nitroaniline	µg/L	2.9	UJ	2.9	5.7	2.8	UJ	2.8	5.6	NC	Agreement	Use reporting limit	--
EPAMW18	Y3QP8	Y3QP9	16-Nov-07	EPA Method 8270C	4,6-dinitro-2-methylphenol	µg/L	2.9	UJ	2.9	5.7	2.8	UJ	2.8	5.6	NC	Agreement	Use reporting limit	--
EPAMW18	Y3QP8	Y3QP9	16-Nov-07	EPA Method 8270C	4-bromophenyl-phenyl ether	µg/L	0.6	UJ	0.6	1.1	0.6	UJ	0.6	1.1	NC	Agreement	Use reporting limit	--
EPAMW18	Y3QP8	Y3QP9	16-Nov-07	EPA Method 8270C	4-chloro-3-methylphenol	µg/L	2.9	UJ	2.9	5.7	2.8	UJ	2.8	5.6	NC	Agreement	Use reporting limit	--
EPAMW18	Y3QP8	Y3QP9	16-Nov-07	EPA Method 8270C	4-chloroaniline	µg/L	2.9	UJ	2.9	5.7	2.8	UJ	2.8	5.6	NC	Agreement	Use reporting limit	--
EPAMW18	Y3QP8	Y3QP9	16-Nov-07	EPA Method 8270C	4-chlorophenyl-phenyl ether	µg/L	0.6	UJ	0.6	1.1	0.6	UJ	0.6	1.1	NC	Agreement	Use reporting limit	--
EPAMW18	Y3QP8	Y3QP9	16-Nov-07	EPA Method 8270C	4-nitroaniline	µg/L	2.9	UJ	2.9	5.7	2.8	UJ	2.8	5.6	NC	Agreement	Use reporting limit	--
EPAMW18	Y3QP8	Y3QP9	16-Nov-07	EPA Method 8270C	4-nitrophenol	µg/L	2.9	UJ	2.9	5.7	2.8	UJ	2.8	5.6	NC	Agreement	Use reporting limit	--
EPAMW18	Y3QP8	Y3QP9	16-Nov-07	EPA Method 8270C	acenaphthene	µg/L	0.6	UJ	0.6	1.1	0.6	UJ	0.6	1.1	NC	Agreement	Use reporting limit	--
EPAMW18	Y3QP8	Y3QP9	16-Nov-07	EPA Method 8270C	acenaphthylene	µg/L	0.6	UJ	0.6	1.1	0.6	UJ	0.6	1.1	NC	Agreement	Use reporting limit	--
EPAMW18	Y3QP8	Y3QP9	16-Nov-07	EPA Method 8270C	anthracene	µg/L	0.6	UJ	0.6	1.1	0.6	UJ	0.6	1.1	NC	Agreement	Use reporting limit	--
EPAMW18	Y3QP8	Y3QP9	16-Nov-07	EPA Method 8270C	benzo(a)anthracene	µg/L	0.6	UJ	0.6	1.1	0.6	UJ	0.6	1.1	NC	Agreement	Use reporting limit	--
EPAMW18	Y3QP8	Y3QP9	16-Nov-07	EPA Method 8270C	benzo(a)pyrene	µg/L	0.6	UJ	0.6	1.1	0.6	UJ	0.6	1.1	NC	Agreement	Use reporting limit	--
EPAMW18	Y3QP8	Y3QP9	16-Nov-07	EPA Method 8270C	benzo(b)fluoranthene	µg/L	0.6	UJ	0.6	1.1	0.6	UJ	0.6	1.1	NC	Agreement	Use reporting limit	--
EPAMW18	Y3QP8	Y3QP9	16-Nov-07	EPA Method 8270C	benzo(g,h,i)perylene	µg/L	0.6	UJ	0.6	1.1	0.6	UJ	0.6	1.1	NC	Agreement	Use reporting limit	--
EPAMW18	Y3QP8	Y3QP9	16-Nov-07	EPA Method 8270C	benzo(k)fluoranthene	µg/L	0.6	UJ	0.6	1.1	0.6	UJ	0.6	1.1	NC	Agreement	Use reporting limit	--
EPAMW18	Y3QP8	Y3QP9	16-Nov-07	EPA Method 8270C	benzyl alcohol	µg/L	2.9	UJ	2.9	5.7	2.8	UJ	2.8	5.6	NC	Agreement	Use reporting limit	--
EPAMW18	Y3QP8	Y3QP9	16-Nov-07	EPA Method 8270C	bis(2-chloroethoxy)methane	µg/L	0.6	UJ	0.6	1.1	0.6	UJ	0.6	1.1	NC	Agreement	Use reporting limit	--
EPAMW18	Y3QP8	Y3QP9	16-Nov-07	EPA Method 8270C	bis(2-chloroethyl)ether	µg/L	0.6	UJ	0.6	1.1	0.6	UJ	0.6	1.1	NC	Agreement	Use reporting limit	--
EPAMW18	Y3QP8	Y3QP9	16-Nov-07	EPA Method 8270C	bis(2-ethylhexyl)phthalate	µg/L	0.6	UJ	0.6	1.1	0.6	UJ	0.6	1.1	NC	Agreement	Use reporting limit	--
EPAMW18	Y3QP8	Y3QP9	16-Nov-07	EPA Method 8270C	butylbenzyl phthalate	µg/L	0.6	UJ	0.6	1.1	0.6	UJ	0.6	1.1	NC	Agreement	Use reporting limit	--
EPAMW18	Y3QP8	Y3QP9	16-Nov-07	EPA Method 8270C	carbazole	µg/L	0.6	UJ	0.6	1.1	0.6	UJ	0.6	1.1	NC	Agreement	Use reporting limit	--
EPAMW18	Y3QP8	Y3QP9	16-Nov-07	EPA Method 8270C	chrysene	µg/L	0.6	UJ	0.6	1.1	0.6	UJ	0.6	1.1	NC	Agreement	Use reporting limit	--
EPAMW18	Y3QP8	Y3QP9	16-Nov-07	EPA Method 8270C	dibenzo(a,h)anthracene	µg/L	0.6	UJ	0.6	1.1	0.6	UJ	0.6	1.1	NC	Agreement	Use reporting limit	--
EPAMW18	Y3QP8	Y3QP9	16-Nov-07	EPA Method 8270C	dibenzofuran	µg/L	0.6	UJ	0.6	1.1	0.6	UJ	0.6	1.1	NC	Agreement	Use reporting limit	--

Notes:
[1]Relative percent difference calculated using the equation %RPD = ((N-D)/(N+D))/2.
[2]Table C-3 provides EPA's criteria for comparing field duplicate sample results.
[3]The reporting criteria for field duplicates are designed to ensure that the most conservative data set in terms of protection of human health and the environment.

D = Field Duplicate
N = Primary Sample
mg/L = milligram(s) per liter
µg/L = microgram(s) per liter
ng/L = nanogram(s) per liter
NC = RPD not calculated
RPD = relative percent difference
-- = comparison to criterion not required due to data agreement.

Qualifiers
J = Estimated Value
LJ = Estimated Value, Result May be Biased Low
R = Rejected
U = Non-Detect
UJ = Non-Detect Estimated Value
UR = Rejected Non-Detect

TABLE C-4
Field Duplicate Evaluation
Remedial Investigation
San Gabriel Valley Area 3 Superfund Site

Location	Parent Sample ID	Field Duplicate ID	Sample Date	Analysis Method	Parameter	Units	Parent Sample Results				Field Duplicate Results				RPD[1]	Conclusion[2]	Reporting Criteria[3]	Comparison to Evaluation Criterion in event of Disagreement or Major Disagreement
							Result	Q	DL	RL	Result	Q	DL	RL				
EPAMW18	Y3QP8	Y3QP9	16-Nov-07	EPA Method 8270C	diethyl phthalate	µg/L	0.6	UJ	0.6	1.1	0.6	UJ	0.6	1.1	NC	Agreement	Use reporting limit	--
EPAMW18	Y3QP8	Y3QP9	16-Nov-07	EPA Method 8270C	dimethyl phthalate	µg/L	0.6	UJ	0.6	1.1	0.6	UJ	0.6	1.1	NC	Agreement	Use reporting limit	--
EPAMW18	Y3QP8	Y3QP9	16-Nov-07	EPA Method 8270C	di-n-butylphthalate	µg/L	0.6	UJ	0.6	1.1	0.6	UJ	0.6	1.1	NC	Agreement	Use reporting limit	--
EPAMW18	Y3QP8	Y3QP9	16-Nov-07	EPA Method 8270C	di-n-octyl phthalate	µg/L	0.6	UJ	0.6	1.1	0.6	UJ	0.6	1.1	NC	Agreement	Use reporting limit	--
EPAMW18	Y3QP8	Y3QP9	16-Nov-07	EPA Method 8270C	diphenylamine	µg/L	0.6	UJ	0.6	1.1	0.6	UJ	0.6	1.1	NC	Agreement	Use reporting limit	--
EPAMW18	Y3QP8	Y3QP9	16-Nov-07	EPA Method 8270C	fluoranthene	µg/L	0.6	UJ	0.6	1.1	0.6	UJ	0.6	1.1	NC	Agreement	Use reporting limit	--
EPAMW18	Y3QP8	Y3QP9	16-Nov-07	EPA Method 8270C	fluorene	µg/L	0.6	UJ	0.6	1.1	0.6	UJ	0.6	1.1	NC	Agreement	Use reporting limit	--
EPAMW18	Y3QP8	Y3QP9	16-Nov-07	EPA Method 8270C	hexachlorobenzene	µg/L	0.6	UJ	0.6	1.1	0.6	UJ	0.6	1.1	NC	Agreement	Use reporting limit	--
EPAMW18	Y3QP8	Y3QP9	16-Nov-07	EPA Method 8270C	hexachlorobutadiene	µg/L	0.6	UJ	0.6	1.1	0.6	UJ	0.6	1.1	NC	Agreement	Use reporting limit	--
EPAMW18	Y3QP8	Y3QP9	16-Nov-07	EPA Method 8270C	hexachlorocyclopentadiene	µg/L	2.9	UJ	2.9	5.7	2.8	UJ	2.8	5.6	NC	Agreement	Use reporting limit	--
EPAMW18	Y3QP8	Y3QP9	16-Nov-07	EPA Method 8270C	hexachloroethane	µg/L	0.6	UJ	0.6	1.1	0.6	UJ	0.6	1.1	NC	Agreement	Use reporting limit	--
EPAMW18	Y3QP8	Y3QP9	16-Nov-07	EPA Method 8270C	indeno(1,2,3-c,d)pyrene	µg/L	0.6	UJ	0.6	1.1	0.6	UJ	0.6	1.1	NC	Agreement	Use reporting limit	--
EPAMW18	Y3QP8	Y3QP9	16-Nov-07	EPA Method 8270C	isophorone	µg/L	0.6	UJ	0.6	1.1	0.6	UJ	0.6	1.1	NC	Agreement	Use reporting limit	--
EPAMW18	Y3QP8	Y3QP9	16-Nov-07	EPA Method 8270C	naphthalene	µg/L	0.6	UJ	0.6	1.1	0.6	UJ	0.6	1.1	NC	Agreement	Use reporting limit	--
EPAMW18	Y3QP8	Y3QP9	16-Nov-07	EPA Method 8270C	nitrobenzene	µg/L	0.6	UJ	0.6	1.1	0.6	UJ	0.6	1.1	NC	Agreement	Use reporting limit	--
EPAMW18	Y3QP8	Y3QP9	16-Nov-07	EPA Method 8270C	n-nitrosodi-n-propylamine	µg/L	0.6	UJ	0.6	1.1	0.6	UJ	0.6	1.1	NC	Agreement	Use reporting limit	--
EPAMW18	Y3QP8	Y3QP9	16-Nov-07	EPA Method 8270C	pentachlorophenol	µg/L	2.9	UJ	2.9	5.7	2.8	UJ	2.8	5.6	NC	Agreement	Use reporting limit	--
EPAMW18	Y3QP8	Y3QP9	16-Nov-07	EPA Method 8270C	phenanthrene	µg/L	0.6	UJ	0.6	1.1	0.6	UJ	0.6	1.1	NC	Agreement	Use reporting limit	--
EPAMW18	Y3QP8	Y3QP9	16-Nov-07	EPA Method 8270C	phenol	µg/L	2.9	UJ	2.9	5.7	2.8	UJ	2.8	5.6	NC	Agreement	Use reporting limit	--
EPAMW18	Y3QP8	Y3QP9	16-Nov-07	EPA Method 8270C	pyrene	µg/L	0.6	UJ	0.6	1.1	0.6	UJ	0.6	1.1	NC	Agreement	Use reporting limit	--

Notes:
[1]Relative percent difference calculated using the equation %RPD = ((N-D)/(N+D))/2.
[2]Table C-3 provides EPA's criteria for comparing field duplicate sample results.
[3]The reporting criteria for field duplicates are designed to ensure that the most conservative data set in terms of protection of human health and the environment.

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TABLE C-5
Performance Evaluation Sample Results
Remedial Investigation
San Gabriel Valley Area 3 Superfund Site

COPC	AHWDW017 2003Q2			AHWDDW031 2003Q3		
	Actual PE Sample Concentration (µg/L)	Concentration Reported by Laboratory (µg/L)	%D	Actual PE Sample Concentration (µg/L)	Concentration Reported by Laboratory (µg/L)	%D
EPA Region 9 Laboratory						
1,4-dioxane	1.5	1.8	-20	1.5	ND	NA
perchlorate	3	2.7	10	3.4	3	12
1,1,2-trichloro-1,2,2-trifluoroethane	16	24	**-50**	18	17	6
1,2,3-trichlorobenzene	5	4	20	4.8	3.3	**31**
1,2-dichlorobenzene	7	8	-14	7.2	6	17
1,2-dichloropropane	4	5	-25	4	3.7	8
1,3-dichlorobenzene	2	2	0	2.1	1.6	24
benzene	4	5	-25	4.2	3.7	12
n-butylbenzene	10	11	-10	NA	NA	NA
carbon tetrachloride	3	4	-20	3.2	2.6	19
chlorobenzene	5	6	-20	5.1	4.4	14
chloroethane	10	13	-30	11	11	0
ethylbenzene	6	7	-17	6.2	5	19
methyl tert-butyl ether	15	18	-20	17	16	6
tetrachloroethene	10	12	-20	10	8.2	18
toluene	8	9	-13	8.1	7.1	12
trichloroethene	15	19	**-27**	16	16	0
xylenes	10	11	-10	10	7.9	21
EMAX Laboratories, Inc.						
hexavalent chromium	0.3	0.287	4	0.341	0.3	12
Truesdail Laboratories, Inc.						
1,2,3-trichloropropane	0.005	0.197	*	0.0625	0.05	20
Maxxam Analytics, Inc.						
NDMA	0.02	0.0763	*	0.217	0.2	8

Notes:
%D - percent difference [Calculated as 100 x (actual PE sample concentration-concentration reported by the laboratory)/actual PE sample concentration)];
the acceptance criterion for agreement is ± 25 percent.
* - Percent difference could not be calculated. The laboratories successfully identified both NDMA and 1,2,3-TCP in the 2003Q2 PE sample, however, the laboratories did not successfully quantify at the very low levels of the PE samples.
Values in bold exceed the ± 25 percent criterion.
µg/L - micrograms per liter
COPC - contaminant of potential concern
PE - performance evaluation
NA - not applicable
ND - not detected
NDMA - n-nitrosodimethylamine

TABLE C-6
Summary of Interviews with Organizations Collecting Secondary Data in Area 3
Remedial Investigation
San Gabriel Valley Area 3 Superfund Site

Quality Assurance Element	California Regional Water Quality Control Board, Los Angeles Region (LARWQCB)	Main San Gabriel Basin Watermaster (Watermaster)	California Department of Public Health (DPH)
Attendees	– Curt Charmley, Site Manager/Geologist, LARWQCB - Carl Brickner, Environmental Scientist, United States Environmental Protection Agency (EPA) Region 9 QA Office - Victoria Taylor, Project Chemist, CH2M HILL	– Kevin Smead, Supervising Civil Engineer, Stetson Engineers - Quang Nguyen, Supervising Civil Engineer, Stetson Engineers - Tony Zampiello, Assistant Executive Director, Watermaster - Carl Brickner, Environmental Scientist, United States Environmental Protection Agency (EPA) Region 9 QA Office - Victoria Taylor, Project Chemist, CH2M HILL	– Paul Collins, Chief of Data Management, DPH - Carl Brickner, Environmental Scientist, United States Environmental Protection Agency (EPA) Region 9 QA Office - Victoria Taylor, Project Chemist, CH2M HILL
Planning Documents	**Quality Assurance Project Plan (QAPP)** - LARWQCB developed the QAPP in accordance with EPA guidance to fulfill a requirement for the cooperative agreement with EPA for activities associated with the San Gabriel Valley Superfund Sites. EPA conditionally approved the QAPP in 2003. LARWQCB updated the QAPP in 2008 to reflect project needs for the current cooperative agreement. **Work Plans** - Facilities conducting subsurface investigations prepare and submit work plans to LARWQCB. LARWQCB provides guidance for groundwater and soil gas sampling and analysis. LARWQCB describes the groundwater sampling and analysis guidance as “general”; currently LARWQCB is revising the guidance. LARWQCB and the California Department of Toxic Substances Control (DTSC) jointly prepared the soil gas guidance, which is the current technical standard in the State of California.	The Watermaster defaults to the source water (groundwater prior to treatment) sampling and analysis requirements of California Code of Regulations (CCR) CCR Title 22. No other specific planning documents are used.	None.

TABLE C-6
Summary of Interviews with Organizations Collecting Secondary Data in Area 3
Remedial Investigation
San Gabriel Valley Area 3 Superfund Site

Quality Assurance Element	California Regional Water Quality Control Board, Los Angeles Region (LARWQCB)	Main San Gabriel Basin Watermaster (Watermaster)	California Department of Public Health (DPH)
Sampling Purpose/Data End Use	LARWQCB directs facilities to collect and analyze samples within the San Gabriel Basin to identify potential contamination source areas.	The Watermaster administers the self-monitoring requirements under CCR Title 22 for the water purveyors in the San Gabriel Basin. Certified drinking water laboratories directly submit the source water monitoring results to the Watermaster and DPH.	DPH collects and manages source water data submitted by certified drinking water laboratories.
Sample Matrix	The majority of the samples collected are soil gas. If soil gas data indicate the presence of a potential source of contamination, LARWQCB may require installation and sampling of groundwater monitoring wells. In addition, LARWQCB potentially requires collection and analysis of soil samples as a follow up to collection of soil gas samples, and LARWQCB requires collection and analysis of soil samples prior to site closure.	The Watermaster requires source water sampling and analysis only.	DPH requires source water sampling and analysis only.
Frequency of Sample Collection	Facilities generally take the lead in performing investigations, and the events occur as one-time field activities. LARWQCB generally requires facilities to perform continued monitoring only at groundwater monitoring wells.	The requirements of CCR Title 22 dictate the frequency of sample collection. On some occasions, DPH may request additional sampling.	The requirements of CCR Title 22 dictate the frequency of sample collection. On some occasions, DPH may request additional sampling.
External Oversight Performed	**Work Plans** - LARWQCB provides copies of all work plans and investigation reports submitted by facilities to EPA. **Field Activities** - LARWQCB, with contract support provided by EPA, performs oversight of well installation and other field activities.	DPH provides oversight for laboratory data.	DPH provides external oversight for the San Gabriel Basin Drinking Water Program.
Designated Individual Responsible for QA Program Implementation	Dixon Oriola, LARWQCB project manager for the San Gabriel Valley Cooperative Agreement, is responsible for implementation of the QAPP.	Kevin Smead, Supervising Civil Engineer, Stetson Engineers, is responsible for the QA systems.	Paul Collins, DPH Chief of Data Management, is ultimately responsible for data quality.

TABLE C-6
Summary of Interviews with Organizations Collecting Secondary Data in Area 3
Remedial Investigation
San Gabriel Valley Area 3 Superfund Site

Quality Assurance Element	California Regional Water Quality Control Board, Los Angeles Region (LARWQCB)	Main San Gabriel Basin Watermaster (Watermaster)	California Department of Public Health (DPH)
Internal Oversight Performed	**Work Plans** - LARWQCB requires facilities conducting subsurface investigations to prepare work plans based on the *Groundwater and Soil Sampling Guidance* (LARWQCB, 2000) and the *Active Soil Gas Advisory* (DTSC and LARWQCB, 2003). The LARWQCB site manger is the primary reviewer responsible for assessing the adequacy of work plans; LARWQCB management is responsible for approving work plans. **Split Samples** - LARWQCB collects split groundwater samples at facilities to evaluate the quality of sampling and analysis on a limited frequency basis.	Stetson Engineers performs internal oversight.	DPH conducts oversight of the certified laboratories through the Drinking Water Program. DPH employs an automated and documented acceptance process for submitted analytical results. Each certified laboratory is required to load the data and laboratory results cannot be loaded if the automatic database checks determine that the data is invalid.
Sample Collection Organization(s)	LARWQCB initially identified over 500 facilities within Area 3 as potential sources of groundwater contamination. Many different organizations collect samples for facility investigations.	The Watermaster through Stetson Engineers collects all samples under the CCR Title 22 self-monitoring requirements.	DPH collects and manages drinking water data and does not actively participate in sampling; data is received from both commercial purveyors and local governments.
Laboratories Used	LARWQCB requires facilities conducing subsurface investigations to use laboratories certified by the State for analyzing groundwater and soil gas samples. The majority of analyses performed for subsurface investigations at facilities involve soil gas testing by mobile laboratories dispatched for onsite field operations. Sample collection for soil gas generally involves the use of glass bulb techniques.	The Watermaster uses drinking water laboratories certified by DPH for all sample analyses.	DPH uses drinking water laboratories certified by DPH for all sample analyses.

TABLE C-6
Summary of Interviews with Organizations Collecting Secondary Data in Area 3
Remedial Investigation
San Gabriel Valley Area 3 Superfund Site

Quality Assurance Element	California Regional Water Quality Control Board, Los Angeles Region (LARWQCB)	Main San Gabriel Basin Watermaster (Watermaster)	California Department of Public Health (DPH)
Internal Data Review Performed	The LARWQCB site manager receives summary laboratory reports and tabularized data from facilities and determines the level of data review needed. LARWQCB generally receives summary information that would allow for only a cursory review.	Stetson Engineers reviews new data against water quality trends going back to 1985. If anomalies are found, follow-up with the laboratory and confirmation sampling will be conducted.	DPH field staff within the individual districts monitor specific results and compare data to historical trends.
External Data Review Performed	LARWQCB provides field laboratories with internal laboratory audit forms to document associated data quality procedures and issues. LARWQCB representatives generally are onsite during sample collection and analysis to certify that facilities follow the self-audit process.	No external data review (third party) is conducted. DPH provides data quality assurance through the Drinking Water Program.	No external data review (third party) is conducted. Internal review is performed within the local districts. It should be noted that if laboratory data does not meet the requirements of the Drinking Water Program, it cannot be uploaded into the system and therefore will not be reported.
Data Deliverables	Facilities generally submit data to LARWQCB in hard copy investigation reports rather than as electronic data deliverables. The State of California currently is in the process of implementing the "GeoTracker" database to receive, manage, and store electronic data; however, electronic data for facilities in the San Gabriel Basin generally are unavailable.	EPA/CH2M HILL receive and manage electronic data in the project database. DPH manages the drinking water database for the state.	EPA/CH2M HILL receive and manage electronic data in the project database. DPH manages the drinking water database for the state.
Final Report	Each facility submits individual investigation reports to LARWQCB. EPA receives copies of the investigation reports from LARWQCB.	Laboratories provide data directly to DPH; Stetson Engineers provides continued monitoring recommendations to the water purveyors based on CCR Title 22 requirements.	DPH reports laboratory data to the local agencies.

TABLE C-7
Split Sample Results for Facilities in Area 3
Remedial Investigation
San Gabriel Valley Area 3 Superfund Site

Facility 1, W12ASMW1: August 29, 2005

Target Analyte	Evaluation Criterion	Facility 1 Results (µg/L)			LARWQCB Results (µg/L)			RPD	Agreement
		EPA Method 8260B	Q	RL	EPA Method 524.2	Q	RL		
carbon tetrachloride	0.5[a]	20	U	20	5	U	5	--	D
chloroform	80[b]	40	U	40	5	U	5	--	D
dichlorodifluoromethane	1[b]	200	U	200	5	U	5	--	D
1,2-dichloroethane	0.5[a]	20	U	20	5	U	5	--	D
1,1-dichloroethene	6[a]	40	U	40	14		5	--	A
cis-1,2-dichloroethene	6[a]	40	U	40	7.7		5	--	A
methyl tert-butyl ether	13[a]	Not Analyzed		NA	5	U	5	--	NA
tetrachloroethene	5[a]	40	U	40	5	U	5	--	D
trichloroethene	5[a]	1700		40	1349		5	23	A
m,p-xylenes	1.75[c]	40	U	40	5	U	5	--	D
o-xylenes	1.75[c]	40	U	40	5	U	5	--	D
1,2,3-trichloropropane	0.005[b]	0.0091*		0.005	5	U	5	--	A

Facility 3, W12CVMW3: January 11, 2002

Target Analyte	Evaluation Criterion	Facility 3 Results			LARWQCB Results			RPD	Agreement
		EPA Method 8260B	Q	RL	EPA Method 524.2	Q	RL		
carbon tetrachloride	0.5[a]	1		1	1.2		0.5	18	A
chloroform	80[b]	1.2		1	1.5		0.5	22	A
dichlorodifluoromethane	1[b]	1	U	1	0.77		0.5	--	A
1,2-dichloroethane	0.5[a]	0.64		0.5	0.5		0.5	25	A
1,1-dichloroethene	6[a]	1.1		1	1.6		0.5	37	D
cis-1,2-dichloroethene	6[a]	1.9		1	2.3		0.5	19	A
methyl tert-butyl ether	13[a]	1	U	1	0.84		0.5	--	A
tetrachloroethene	5[a]	45		1	53		0.5	16	A
trichloroethene	5[a]	160		1	201		0.5	23	A
m,p-xylenes	1.75[c]	1	U	1	0.5	U	0.5	--	A
o-xylenes	1.75[c]	1	U	1	0.5	U	0.5	--	A
1,2,3-trichloropropane	0.005[b]	1	U	1	0.5	U	0.5	--	A

EPA - United States Environmental Protection Agency
LARWQCB - California Regional Water Quality Control Board, Los Angeles Region
NA - not applicable
Q - qualifier
RL -reporting limit
RPD - relative percent difference

*Analyzed using Gas Chromatography/ Mass Spectrometry - Selective Ion Monitoring
**Analyzed using EPA Method 504.1
***Analyzed using LARWQCB SRL-SOP

A: Agreement
D: Disagreement
U: Not detected at the listed reporting limit

[a]California maximum contaminant level (MCL)
[b]California Department of Public Health (DPH) n notificationlevel (NL)
[c]California MCL for total xylenes

TABLE C-7
Split Sample Results for Facilities in Area 3
Remedial Investigation
San Gabriel Valley Area 3 Superfund Site

Facility 6, W12IWMW1: September 27, 2005

Target Analyte	Evaluation Criterion	Facility 6 Results			LARWQCB Results			RPD	Agreement
		EPA Method 8260B	Q	RL	EPA Method 524.2	Q	RL		
carbon tetrachloride	0.5[a]	0.6		0.5	0.97		0.5	47	D
chloroform	80[b]	0.67		0.5	0.92		0.5	31	D
dichlorodifluoromethane	1[b]	0.5	U	0.5	0.59		0.5	--	A
1,2-dichloroethane	0.5[a]	0.5	U	0.5	0.5	U	0.5	--	A
1,1-dichloroethene	6[a]	0.5	U	0.5	0.64		0.5	--	A
cis-1,2-dichloroethene	6[a]	3.11		0.5	3.9		0.5	23	A
methyl tert-butyl ether	13[a]	0.5	U	0.5	0.5	U	0.5	--	A
tetrachloroethene	5[a]	12.3		0.5	22		0.5	57	D
trichloroethene	5[a]	97.1		0.5	119		0.5	20	A
m,p-xylenes	1.75[c]	1.06		0.5	0.89		1	17	A
o-xylenes	1.75[c]	0.67		0.5	0.5	U	0.5	--	A
1,2,3-trichloropropane	0.005[b]	0.005**	U	0.005	0.005***	U	0.005	--	A

Facility 8, W12PMMW1: September 27, 2005

Target Analyte	Regulatory Limit	Facility 8 Results			LARWQCB Results			RPD	Agreement
		EPA Method 8260B	Q	RL	EPA Method 524.2	Q	RL		
carbon tetrachloride	0.5[a]	0.5	U	0.5	0.5	U	0.5	--	A
chloroform	80[b]	2.58		0.5	3		0.5	15	A
dichlorodifluoromethane	1[b]	0.5	U	0.5	0.5	U	0.5	--	A
1,2-dichloroethane	0.5[a]	0.5	U	0.5	0.5	U	0.5	--	A
1,1-dichloroethene	6[a]	0.5	U	0.5	0.67		0.5	--	A
cis-1,2-dichloroethene	6[a]	37.2		0.5	43		0.5	14	A
methyl tert-butyl ether	13[a]	0.5	U	0.5	0.5	U	0.5	--	A
tetrachloroethene	5[a]	49.2		0.5	65		0.5	28	A
trichloroethene	5[a]	58.3		0.5	59		0.5	1	A
m,p-xylenes	1.75[c]	1	U	1	0.5	U	0.5	--	A
o-xylenes	1.75[c]	0.5	U	0.5	0.5	U	0.5	--	A
1,2,3-trichloropropane	0.005[b]	0.005**	U	0.005	0.005***	U	0.005	--	A

EPA - United States Environmental Protection Agency
LARWQCB - California Regional Water Quality Control Board, Los Angeles Region
NA - not applicable
Q - qualifier
RL -reporting limit
RPD - relative percent difference

*Analyzed using Gas Chromatography/ Mass Spectrometry - Selective Ion Monitoring
**Analyzed using EPA Method 504.1
***Analyzed using LARWQCB SRL-SOP

A: Agreement
D: Disagreement
U: Not detected at the listed reporting limit

[a]California maximum contaminant level (MCL)
[b]California Department of Public Health (DPH) n notificationlevel (NL)
[c]California MCL for total xylenes

TABLE C-7
Split Sample Results for Facilities in Area 3
Remedial Investigation
San Gabriel Valley Area 3 Superfund Site

Facility 21, Monitoring Well W12NVJW1: February 4, 2003									
		Facility 21 Results			LARWQCB Results				
Target Analyte	Regulatory Limit	Method EPA 624	Q	RL	EPA Method 524.2	Q	RL	RPD	Agreement
carbon tetrachloride	0.5[a]	0.5	U	0.5	0.5	U	0.5	--	A
chloroform	80[b]	0.5	U	0.5	0.5	U	0.5	--	A
dichlorodifluoromethane	1[b]	0.5	U	0.5	0.5	U	0.5	--	A
1,2-dichloroethane	0.5[a]	0.5	U	0.5	0.5	U	0.5	--	A
1,1-dichloroethene	6[a]	0.5	U	0.5	0.5	U	0.5	--	A
cis-1,2-dichloroethene	6[a]	0.5	U	0.5	0.5	U	0.5	--	A
methyl tert-butyl ether	13[a]	0.5	U	0.5	0.5	U	0.5	--	A
tetrachloroethene	5[a]	0.76		0.5	1.2		0.5	45	D
trichloroethene	5[a]	0.5	U	0.5	0.5	U	0.5	--	A
m,p-xylenes	1.75[c]	1	U	1	0.5	U	0.5	--	A
o-xylenes	1.75[c]	0.5	U	0.5	0.5	U	0.5	--	A
1,2,3-trichloropropane	0.005[b]	0.5	U	0.5	0.5	U	0.5	--	A

EPA - United States Environmental Protection Agency
LARWQCB - California Regional Water Quality Control Board, Los Angeles Region
NA - not applicable
Q - qualifier
RL -reporting limit
RPD - relative percent difference

*Analyzed using Gas Chromatography/
Mass Spectrometry - Selective Ion Monitoring
**Analyzed using EPA Method 504.1
***Analyzed using LARWQCB SRL-SOP

A: Agreement
D: Disagreement
U: Not detected at the listed reporting limit

[a]California maximum contaminant level (MCL)
[b]California Department of Public Health (DPH) n notificationlevel (NL)
[c]California MCL for total xylenes

TABLE C-8
QA Systems Documentation Requirements for Certified Laboratories Under the California DHS Drinking Water Program
Remedial Investigation
San Gabriel Valley Area 3 Superfund Site

QA Systems included in Laboratory Quality Assurance Plan (LQAP)	Criteria
Laboratory Organization and Responsibility	– Personnel responsibility flow chart – References/documentation of personnel job descriptions and training (e.g. regulations and methodology updates)
Standard Operating Procedures (SOPs) with Dates of Last Revision	– Archive SOPs as protocols become updated – Ensure current copies of SOPs are in laboratories and quality assurance (QA) management files – Annual review and updating of SOPs
Field Sampling Procedures	– Describe processes used to identify sample collectors, sampling procedures and locations, required preservation, proper containers, correct sample container cleaning procedures, sample holding times, and sample shipping and storage conditions
Laboratory Sample Receipt and Handling Procedures	– Bound notebooks entries should be dated and signed – Secure, password protected, electronic database is acceptable – Store processed and unprocessed samples at proper temperature, and isolated from laboratory contaminants – Maintain integrity of all samples – Require chain-of-custody procedures – Specify criteria for rejection of samples that do not meet shipping, holding time, and/or preservation requirements and procedures for notification of sample originators
Instrument Calibration Procedures	– Type of calibration used per method – Frequency of use – Calibration standards' source, age, storage, labeling – Perform data comparability checks
Analytical Procedures	– Cite complete method manual – Describe quality control (QC) procedures required by the methods that need to be followed
Data Reduction, Validation, Reporting and Verification	– Describe methods of raw data conversion – Describe data validation process – Describe reporting procedures – Describe protocol for data corrections
Type of QC Checks and the Frequency of their Use	– Instrument performance check standards – Frequency and acceptability of method detection limits (MDLs) calculations – Frequency and acceptability of demonstration of low level capability – Calibration, internal and surrogate standards – Laboratory reagent blank, field reagent blank, and trip blank – Field and laboratory matrix replicates – Quality control and proficiency testing samples – Laboratory fortified blank and laboratory fortified sample matrix replicates – Initial demonstration of method capability – Use of control charts – Qualitative identification/confirmation of contaminants
List Schedules of Internal and External System and Data Quality Audits and Inter-laboratory Comparisons	– Details should be contained in associated SOP if not presented in LQAP
Preventive Maintenance Procedures and Schedules	– Describe location of instrument manuals and schedules and documentation of routine equipment maintenance – Describe availability of instrument spare parts in the laboratory – List of maintenance contracts in place
Corrective Action Contingencies	– Describe response to obtaining unacceptable results for analysis of Performance Testing samples and from internal QC checks – Name personnel responsible fro the various corrective actions – Describe how corrective actions taken are documented
Record Keeping Procedures	– Describe security policy of electronic databases – All electronic data should have software support so it may be regenerated

Attachment C-1

Field Audit Report

San Gabriel Valley NPL Area 3
Remedial Investigation

Greg Nagle
USEPA Region 9
July 15th 2003

Introduction:

On July, 15th, 2003 Greg Nagle conducted a field audit of groundwater sampling procedures for the San Gabriel Valley NPL Area 3 Remedial Investigation in Alhambra, California at monitoring well location MW1-3. The field audit was scheduled to coincide with sampling of a recently installed multiport well. The primary objective of the audit was to determine if sampling practices used at the site were appropriate for the determination of volatile organic compounds (VOCs), and metals in water, and consistent with the methods described by EPA's contractor CH2M-HILL. All samples were collected for analysis of VOCs and dissolved metals, by the EPA Region 9 Laboratory.

Audit Participants:

Greg Nagle of the EPA Region 9 Laboratory Field and Biology Team performed the audit. Maura Kennelly, Staff Geologist CH2M-HILL, Jeff D. Gamlin, CH2M-HILL, Staff Hydrogeologist. CH2M-HILL conducted the sampling for CH2M-HILL.

Procedures:

The audit was performed based on the procedures specified in the *Quality Assurance Project Plan (QAPP) for San Gabriel Valley NPL Area 3 Remedial Investigation, February 2003*, and the *Field Sampling Plan (FSP) for San Gabriel Valley NPL Area 3 Remedial Investigation, February 2003*. Groundwater sampling was conducted as specified in the FSP using technology provided by Westbay Instruments, Inc. CH2M-HILL personnel were well-trained, experienced and knowledgeable with respect to operation of sampling equipment, sample collection, handling, preservation, documentation and shipping procedures Findings and recommendations are summarized below.

Findings/Recommendations:

There were no findings to indicate that the sample integrity was compromised during sample collection and handling activities. There were no findings that require immediate action.
A recommendation was made immediately following each finding.

1. **Finding**
   Section 6.2.2 of the SAP states that *'The first sample drawn at each depth will be used to measure field parameters (temperature, pH, turbidity and specific conductance) and to allow for some flushing of the instrumentation"*. The pH meter was malfunctioning at the time of the audit. This was considered of minor concern as the first sample was analyzed for (temperature, turbidity and specific conductance) and no purge or well stabilization is

required for the multiport monitoring well system.

Recommendation
Back-up equipment (such as multi-meters) should be carried into the field.

2. **Finding**
Section 6.6.3.2 of the FSP states that "In addition, carbon disulfide, tertiary butyl alcohol, methyl-isobutyl ketone and methyl ethyl ketone will be added to the list of VOCs to be analyzed by the laboratory. This will be noted on the COC that accompanies the samples to the laboratory." This information was missing from the record for July 15th 2003. This COC was also missing the project name.

Recommendation
Add the project name, and additional compounds to COC record as specified in the FSP.

3. **Finding**
The field team collected supplemental data not specified by the work plans. This data was recorded on a form specific to the Westbay Equipment which includes formation pressure, fluid pressure, depth etc....

Recommendation
The form for the data specific to the Westbay Equipment should be included in the applicable work plan by addendum and/or, in the next revision.

4. **Finding**
Table 5-2a and Section 6.3.1 of the FSP states that *"Samples* [for dissolved metals] *will be placed in a 1- liter polyethylene bottles"*. In the event that only VOCs and metals are required, and samples are being sent to the Region 9 lab, the minimum volume of sample for metal analysis may be reduced from 1 liter (L) to $\geq$500 milliliters (mL). This will reduce the number of trips down the hole. The sampling probe collects volume of 1 L. After filling the 3 x 40 mL vials for VOCs, the balance (~800 mL) should be used for the metals analysis.

Recommendation
Revise FSP to indicate that when samples for metals analysis are being sent to the Region 9 laboratory, less than 1 liter of sample may be collected in a 1-liter container provided that at least 500 mL of sample is collected. This recommendation was communicated verbally to Maura Kennedy the following day.

5. **Finding**
It was unclear to field personnel how the water level at each interval is being determined. I was informed that water level was calculated using formation pressure.

Recommendation
Documentation should be provided detailing how water levels are being determined for multiport wells and included in the QAPP.

MEMORANDUM CH2MHILL

Field Audit - San Gabriel Valley NPL Area 3 Remedial Investigation

TO: Greg Nagle/U.S. EPA Region IX

FROM: Maura Kennelly/CH2M HILL

DATE: September 30, 2003

This memorandum has been prepared in response to the findings and recommendations of Mr. Greg Nagle of the U.S. Environmental Protection Agency (EPA) Region IX Laboratory Field and Biology Team. On July 15, 2003, EPA performed an audit of groundwater sampling events taking place in the San Gabriel Valley National Priorities List (NPL) Area 3. The following are CH2M HILL's responses the U.S. EPA representative's findings and recommendations:

Response to Comment 1

Due to the malfunctioning of the onsite pH meter that particular day, it was recommended that a backup meter be brought into the field. As an alternative to the EPA representative's recommendation, the meters will be examined prior to going into the field to ensure that they are functioning properly.

Response to Comment 2

At times, it is requested in the work plan and quality assurance project plan (QAPP) that additional analytes be included in the analyses. These additions will be provided to the field team prior to each sampling event, along with the schedule of wells to be sampled and the EPA Region IX laboratory assignment and case number.

Response to Comment 3

During sample collection from the Westbay multiport wells, pressures inside and outside of the casing are collected and recorded on a Westbay form in order to calculate the depth to water when the sampling team is back in the office. Per EPA's recommendation, this form will be included in the next revision of the FSP.

Response to Comment 4

Table 5-2a and Section 6.3.1 of the FSP (EPA, 2002) state that samples being analyzed for dissolved metals will be placed in 1-liter polyethylene bottles. Maura Kennelly spoke to the Region IX laboratory staff, who indicated that only 500 milliliters of water are needed for dissolved metals analysis. This has been noted, and during future sampling events, only 500 milliliters of water will be collected.

Response to Comment 5

CH2M HILL field personnel sampling Westbay multiport wells have been trained and educated on all aspects of the Westbay system. The onsite staff at the time of the audit were able to give EPA's representative a full explanation of the calculations used to determine the water levels from pressure data collected from the Westbay wells. It is not necessary to bring documentation into the field stating how water levels are calculated, because these levels are calculated in the office using Microsoft Excel. However, a description of the pressure to water level conversion calculation will be included in the next revision of the QAPP.