CAMU GROUNDWATER MONITORING REPORT
1ST AND 2ND QUARTERS 2009

BRC CORRECTIVE ACTION MANAGEMENT UNIT (CAMU) AREA
CLARK COUNTY, NEVADA

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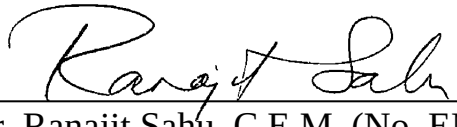
I hereby certify that I am responsible for the services described in this document and for the preparation of this document. The services described in this document have been provided in a manner consistent with the current standards of the profession and to the best of my knowledge comply with all applicable federal, state, and local statutes, regulations, and ordinances. I hereby certify that all laboratory analytical data was generated by a laboratory certified by the NDEP for each constituent and media presented herein.



September 25, 2009

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ACRONYMS AND ABBREVIATIONS

amsl	above mean sea level
ATL	Advanced Technology Laboratories
BCL	Basic Comparison Levels
bgs	below ground surface
BRC	Basic Remediation Company
btoc	below top of casing
CAMU	Corrective Action Management Unit
COC	chain of custody
CSM	Conceptual Site Model
DBS&A	Daniel B. Stephens & Associates, Inc.
DNAPL	dense non-aqueous phase liquid
DVSR	Data Validation Summary Report
FSSOP	Field Sampling and Standard Operating Procedures
GEL	General Engineering Laboratories
GMP	Groundwater Monitoring Plan
LCS	laboratory control sample
LDC	Laboratory Data Consultants, Inc.
MCL	Maximum Contaminant Level
MS/MSD	matrix spike/matrix spike duplicate
NDEP	Nevada Division of Environmental Protection
OCP	organochlorine pesticide
PAH	polynuclear aromatic hydrocarbons
PCB	polychlorinated biphenyls
PCE	tetrachloroethylene
QA	quality assurance
Qal	Quaternary alluvium
QAPP	Quality Assurance Project Plan
QC	quality control
SOP	Standard Operating Procedure
STA	Slit Trench Area
SVOC	semi volatile organic compounds
TA	TestAmerica Laboratories
TDS	total dissolved solids
VOC	volatile organic compound
UMCf	Upper Muddy Creek formation
USEPA	U.S. Environmental Protection Agency

1.0 INTRODUCTION

Basic Remediation Company (BRC) has prepared this Groundwater Monitoring Report to describe activities and data collected during monitoring performed during the first two quarters of 2009 at the BRC Corrective Action Management Unit (CAMU) that is currently being constructed at BRC-owned property in Clark County, Nevada, under the oversight of the Nevada Division of Environmental Protection (NDEP). These monitoring events were performed in accordance with *Groundwater Monitoring Plan – Corrective Action Management Unit (CAMU) Area* (Daniel B. Stephens & Associates, Inc. [DBS&A] 2008), which was approved by NDEP on December 17, 2009.

This revision of the report, Revision 1, incorporates comments received from the NDEP, dated August 25, 2009, on Revision 0 of the report, dated August 2009. The NDEP comments and BRC's response to these comments are included in Appendix A. Also included in Appendix A is a redline/strikeout version of the text showing the revisions from the August 2009 version of the report.

The general purpose of the CAMU groundwater monitoring program is to collect baseline groundwater data in the CAMU area, against which the potential for impacts to groundwater quality due to CAMU construction can be assessed in the future. This first section summarizes the site conditions and content of the report.

1.1 SITE LOCATION AND DESCRIPTION

The CAMU is located within the boundaries of property owned and operated by BRC, in an area formerly designated as the Clark County Industrial Plant Area (Figure 1-1). The northern boundary is approximately defined by the northern limit of the closed BMI Landfill. The CAMU is bordered by the following former and present industrial facilities of the BMI Industrial Complex:

- To the north and east – by property owned by Tronox (successor to Kerr-McGee Chemical LLC); Olin/Montrose and Tronox operate off-site groundwater extraction, treatment, and re-injection systems to the north and to the east of the CAMU, respectively. The Olin/Montrose system is partially located on BRC property;
- To the south – by the former Pioneer Chlor-Alkali Company, Inc., facility, now owned by Olin Chlor Alkali Products (Olin); and

- To the west - additional historical BRC property, recently sold to other entities (Parcel 5/6).

Historical features within the CAMU boundaries include the following:

- The closed BMI Landfill;
- The former Borrow Area (Borrow Pit);
- The Western Ditch Area and Western Ditch Extension; and
- The Slit Trench Area (STA).

Chemical manufacturing, storage, handling, distribution, and waste disposal facilities have historically operated south (upgradient) of the CAMU (Figure 1-2). These operations are documented to have resulted in soil and groundwater impacts with volatile organic compounds (VOCs), semivolatile organic compounds (SVOCs), polychlorinated biphenyls (PCBs), dioxins/furans, organic acids, total dissolved solids (TDS), pesticides, perchlorate, and metals. Additional upgradient soil impacts may exist.

Groundwater beneath the CAMU has also been impacted with many of the chemicals detected in upgradient soils and/or groundwater, suggesting that chemicals from upgradient off-site locations have migrated northward and beneath the CAMU Site. However, chemical data associated with deep CAMU soils and groundwater suggest that there may also be some contribution of chemicals from the CAMU area to groundwater.

To reduce the potential for chemical leachate in the CAMU area to migrate to and impact groundwater, BRC has recently covered and capped buried waste in the north and south landfill lobes, and surface liquids were removed from ditches. With NDEP-approval,[1] impacted materials within and around the Western Ditch, Western Ditch Extension, and Slit Trench Area and other unknown wastes in the area (*i.e.*, within the northeast and northwest detention basins and an additional previously unknown ditch) were also excavated and removed to minimize potential impacts to groundwater quality.

[1] Documents describing the approved excavation and disposal operations include: *Corrective Action Plan* dated September 2006 (approved by NDEP September 25, 2006), *Record of Decision – Remediation of Soil in the Slit Trench Area of the BMI Common Areas* (NDEP issuance September 17, 2007), and *Permit for Hazardous Remediation Waste Management Activity* (issued by NDEP September 24, 2007).

The CAMU Conceptual Site Model (CSM) report prepared in 2007 presents detailed information regarding historical site operations, the results of prior investigations, and site impacts (BRC and DBS&A 2007).

1.2 SITE HYDROGEOLOGY

The CAMU is located on alluvial fan sediments, with a surface that slopes to the north-northeast at a gradient of approximately 0.02 foot per foot (ft/ft) towards the Las Vegas Wash. Regional drainage is generally to the east.

The uppermost strata beneath the CAMU consist of alluvial sands and gravels derived primarily from the volcanic source rocks in the McCullough Range, located to the southwest of the CAMU. These uppermost alluvial sediments were deposited within the last two million years and are of Quaternary age, and are thus mapped and referred to as the Quaternary alluvium (Qal; Carlsen *et al*. 1991). The Qal is typically on the order of 30 to 70 feet thick at the Site with variations due, in part, to the non-uniform contact between the Qal and the underlying Upper Muddy Creek Formation (UMCf). As described in the Groundwater Monitoring Plan (GMP), three erosional paleochannels (two major channels and one minor channel) are interpreted as being incised into the UMCf surface in the CAMU area, and increase the local Qal thickness accordingly.

The UMCf underlies the Qal. The Muddy Creek formation, of which the UMCf is the uppermost part, is a lacustrine deposition from the Tertiary Age, and it underlies much of the Las Vegas Valley. It is more than 2,000 feet thick in places. The lithology of the UMCf underlying the CAMU is typically fine-grained (sandy silt and clayey silt), although layers with increased sand content are sporadically encountered. These UMCf materials have typically low permeability, with hydraulic conductivities on the order of 10^{-6} to 10^{-8} centimeters per second (Weston 1993). The UMCf in the CAMU area was encountered at depths ranging from 30 feet to 70 ft below ground surface (bgs), and extending to the maximum explored depth of 200 feet bgs.

Two distinct, laterally continuous water-bearing zones are present within the upper 400 feet of the Site subsurface:

(1) An upper, unconfined water-bearing zone (referred to as the Shallow Zone[2]). The Shallow Zone is typically encountered within the Qal at the CAMU; however, this zone

[2] Note: hydrogeologic and lithologic nomenclature is based on NDEP (2009a).

is first encountered within the uppermost UMCf in the eastern portion of the CAMU area. The water surface in the Shallow Zone generally follows topography, with the water surface sloping towards the Las Vegas Wash.

(2) A deep, confined water-bearing zone that occurs in a sandier depth interval within the silts of the deeper UMCf (referred to as the Deep Zone).

Between these two distinct water-bearing zones, a series of saturated sand stringers were sporadically and unpredictably encountered during drilling (referred to as the Middle Zone).

According to previous groundwater monitoring, the depth from the surface to first groundwater at the Site is approximately 30 to 50 feet bgs. Wells completed in the Shallow Zone are not highly productive, with sustainable flows typically less than five gallons per minute.

1.3 REPORT CONTENT AND ORGANIZATION

This report provides tabulated and graphical presentations of groundwater data collected during the 1st and 2nd Quarter 2009 monitoring events conducted in the CAMU Area. Interpretation of these results will be provided after the conclusion of four quarters of monitoring. Following this introductory section, this report includes the following:

- Section 2.0 describes the activities during the two monitoring events, including inspection and depth to water measurements, sample collection, equipment decontamination, management of investigation-derived waste, the analytical procedures, and data review and validation procedures.
- Section 3 presents the results of the two monitoring events, including groundwater depth and flow direction and chemical detections.
- Section 4 provides a list of references used in the preparation of this report.

Figures and tables summarizing the monitoring well details, scope, and findings of the two monitoring events follow the main text. Appendix B provides the historical project database for the CAMU monitoring program and an electronic version of this report (on CD). Hydrographs and concentration trend graphs (selected constituents) for all the CAMU monitoring wells are presented in Appendices C and D, respectively. In addition, Appendices E and F provide figures depicting occurrence patterns for selected constituents across the CAMU area, for the 1st Quarter 2009 and 2nd Quarter 2009, respectively.

2.0 GROUNDWATER MONITORING PROGRAM

Groundwater monitoring and sampling procedures were performed as specified in the *Groundwater Monitoring Plan BRC Corrective Action Management Unit (CAMU) Area* (GMP; DBS&A, 2008), and in accordance with associated project-specific *Field Sampling and Standard Operating Procedures* (FSSOP; BRC, ERM and MWH 2008) and the Quality Assurance Project Plan (QAPP; BRC and ERM 2009).

The following sections briefly describe the field procedures and analytical program implemented by BRC contractors during field activities associated with CAMU monitoring events conducted during the first two quarters of 2009.

2.1 CAMU MONITORING WELL NETWORK

As specified in the GMP (DBS&A, 2008), 29 wells are included in the monitoring program for the CAMU area, as summarized in Table 2-1 and depicted on Figure 2-1. Construction details for these CAMU Area wells are provided in Table 2-2. As seen in Tables 2-1 and 2-2, the majority of the wells (20) are screening in the Shallow Zone. In addition to those Shallow Zone wells, six wells in the monitoring program are screened in the Middle Zone, and three wells are screened in the Deep Zone.

Table 2-3 identifies the monitoring activities that are associated with each well in the program. For fifteen of these CAMU Area wells (all Shallow Zone), quarterly monitoring is to be performed by BRC. For the remaining fourteen wells (a combination of Shallow, Middle, and Deep zone wells), data collected by upgradient companies as part of separate on-going monitoring programs is to be used to augment BRC's CAMU area data. It should be noted that three proposed wells that have not yet been installed are on the list of wells to be included in the CAMU Area monitoring program (*i.e.*, P1, P2, and P3). Water level data were collected during the two monitoring events and are presented in Table 3-1 for all wells specified in the GMP, except one Shallow Zone well (MC80[3]), one Deep Zone well (MW-8), and the three above mentioned wells that have not yet been installed (P1, P2, and P3). According to the GMP, the following wells were to be sampled by companies other than BRC:

[3] Well MC80 could not be located and is presumed destroyed.

- Shallow: MC-80, AA-BW-12A, MCF-BW-11A
- Middle: MC-MW-10, MC-MW-11, MC-MW-12, P1, P2, TR-11
- Deep: MW-8, P3, TR-12

The water quality data from these wells will be incorporated in future groundwater monitoring reports.

2.2 FIELD MEASUREMENTS

Field measurements, including depth to water, thickness of free product, and depth of well, were performed in accordance with procedures described in the project specific Standard Operating Procedure (SOP) (SOP-5 - Water Sampling and Field Measurements).

During the first Quarter of 2009, as seen in the sampling forms provided in Appendix C, water level measurements were collected at the CAMU monitoring wells during three mobilizations:

- The primary mobilization during which samples were collected for the basic suite of analyses (conducted between January 19, 2009, and January 28, 2009); water levels were measured at all the wells except AA-BW-08B and MCF-BW-08 during this mobilization;
- A second mobilization conducted by BRC on January 29th and 30th, during which samples were collected from selected wells for additional analyses (methyl mercury and white phosphorus) based on the results of the initial testing; water levels were measured at wells AA-BW-08B and MCF-BW-08 during this mobilization; and
- A third mobilization conducted by BRC on February 2nd and 3rd, during which samples were collected from selected wells for radon analysis.

During the 2nd Quarter of 2009, water level measurements and groundwater samples were collected by BRC during a single mobilization that was conducted between April 16, 2009, and April 29, 2009. In addition, Hargis & Associates collected water level measurements and samples during a roughly coincident time period that extended from April 13, 2009 through April 20, 2009.

Equipment used and the various observations and measurements collected during well purging activities for both events were recorded on Monitoring Well Low-Flow Purge/Sampling Forms, copies of which are provided in Appendix C.

Water level measurements provide a measure of water potential (hydraulic head) at specific geographic locations and depths beneath the CAMU. The primary purpose for measuring CAMU area water levels in the monitoring wells is to determine horizontal groundwater flow directions and gradients. These measurements were converted to elevations relative to a standard datum (*i.e.*, mean sea level, which is used for the Site) and posted on a map, and were contoured to prepare potentiometric surface maps, which indicate the direction of groundwater flow. Horizontal gradients are calculated as the difference in groundwater elevations between wells screened in the same monitoring zone divided by the horizontal distance between the wells. The horizontal gradients indicate the horizontal direction of groundwater flow, from higher to lower elevations. The results of the water level measurements collected during the first two Quarters of 2009 are discussed in Section 3.1.

2.3 SAMPLE COLLECTION

BRC contractors used the micro-purge and sampling methodology for the 1st and 2nd Quarter 2009 CAMU monitoring and sampling events, as established and implemented during quarterly monitoring events at the BMI Common Areas (Eastside) Site.

Most of the BRC-owned wells sampled during the two 2009 events were equipped with QED® Well Wizard (A-system) dedicated bladder pumps for the monitoring and sampling of wells at the Site. QED® MP10H high pressure micro-purge controllers were used during the event. The Well Wizard A-system was installed in all Shallow Zone wells due to their relative shallow well design (less than 100 feet deep). Generally, pump (sample) intakes were installed approximately 1 to 3 feet from the bottom of the wells. Six non-BRC wells and BRC-owned well MCF-BW-08 were monitored and sampled using a QED® brand SamplePro portable bladder pump system. The portable pump (sample) intakes were generally placed near the bottom of the screen interval for groundwater monitoring and sampling collection. Well purging details and sampling summary data are presented in Appendix C.

During a prior sampling event, dense non-aqueous phase liquid (DNAPL) was observed in well AA-BW-08B. Evidence of DNAPL was not observed in this or any of the other wells monitored during either the 1st Quarter or the 2nd Quarter event. It should be noted that the upgradient companies have reported false positive DNAPL readings based on the density of the groundwater relating to TDS concentrations. The upgradient companies have also reported fouling of DNAPL probes due to this issue. The upgradient companies have also reported that the high TDS water has been found to be denser than the site-related DNAPLs. BRC will discuss

these matters with the upgradient companies and adjust field protocols, as necessary, to address these site-specific issues prior to the next monitoring event.

Sampling and field measurement procedures were performed in accordance with the standard sampling and documentation procedures developed for performing water level measurements and monitoring well sampling, well maintenance, general field operations, and instrument calibration, as presented in the GMP and the BRC FSSOP (BRC, ERM and MWH 2008). Adherence to these procedures promotes consistency in field procedures and comparability of data collected over time.

Field quality control (QC) measures implemented during the quarterly groundwater sampling event were performed according to BRC QAPP requirements and BRC FSSOP. The QC sample frequencies and field QC measures included:

- Collection of field duplicates, at a frequency corresponding to approximately 10 percent of the samples (2 samples per event); field duplicates were collected from wells AA-BW-02A and AA-BW-04A during the 1st Quarter 2009 event, and from wells AA-BW-04A and AA-BW-08A during the 2nd Quarter 2009 event;
- Collection of equipment blanks, at a frequency corresponding to approximately 5 percent of the samples collected using non-dedicated or non-disposable equipment (1 sample per event);
- Procurement and use of trip blanks, at a frequency of one per shipping container containing samples for VOC analysis;
- Collection of matrix spike/matrix spike duplicate samples (MS/MSD); this was performed during the 1st Quarter monitoring event, from well AA-BW-05A;
- Providing accurate, detailed field documentation; and
- Proper sample packaging and shipment under chain of custody (COC) procedures.

2.4 DECONTAMINATION PROCEDURES

Equipment decontamination was performed to minimize the potential for cross contamination between wells or investigation and sampling locations. Decontamination procedures were used for all non-dedicated, non-disposable equipment. BRC SOPs were followed to ensure proper decontamination of sampling equipment.

Decontamination equipment was prepared at each well location for cleaning sampling equipment. Supplies included five-gallon buckets, bottle brushes, potable water, distilled water, and non-phosphate cleaning solution (Liquinox™/Alconox™).

Prior to and after use at each location, all groundwater sampling equipment was washed in a non-phosphate cleaning solution, rinsed with potable water, and then rinsed twice with distilled water.

Submersible pumps and downhole equipment were cleaned prior to and after use at each location during groundwater sampling activities as described above. Decontamination water was transferred into secured and properly labeled Department of Transportation-approved 55-gallon steel drums located on-site at a centralized collection area.

2.5 MANAGEMENT OF INVESTIGATION-DERIVED WASTE

During the 1st and 2nd Quarter 2009 CAMU monitoring events, all purge and decontamination water resulting from groundwater sampling was temporarily contained on-site in 55-gallon drums. All drums were labeled by field personnel to identify contents, date, and source location. BRC has subsequently disposed of these sampling wastes. Information of this disposal has been provided separately to the NDEP.

2.6 ANALYTICAL PROGRAM

Analytical procedures for the 1st and 2nd Quarter CAMU sampling events were implemented according to the BRC QAPP. The list of chemicals and analytical methods for the CAMU monitoring events is provided in Table 2-4. The QAPP specifies the project-specific detection and quantitation limits, calibration and calibration verification, and QC procedures and specifications. The QAPP also requires that analyses be performed according to the method-specific SOPs, which have also been revised to be site specific stand-alone documents. Analytical laboratories performing analyses for the Site have Nevada State certification for the methods performed.

The following sections summarize the groundwater analytical program conducted for the 2009 CAMU groundwater monitoring events. Additional detail about the analytical program is provided in the *Groundwater Monitoring Plan, Corrective Action Management Unit (CAMU) Area*, (DBS&A 2008). Analytical methods used during the program were selected based on data requirements for investigating Comprehensive Environmental Response, Compensation, and Liability Act sites and for conducting human health and ecological risk assessment, and to

provide data to evaluate impacts to groundwater and surface water quality. The analytical methods used are primarily referenced U.S. Environmental Protection Agency (USEPA)-approved testing procedures. The sampling team followed method-prescribed requirements for sample containers, preservation, and holding times, as summarized in Table 2-5. Samples were packaged and shipped with proper COC documentation to the analytical laboratories as described in the BRC FSSOP and QAPP.

Groundwater samples from 15 monitoring wells were analyzed for a broad spectrum of chemical analytes and chemical classes during the 1st and 2nd Quarter 2009 CAMU events. The samples were analyzed for general chemistry parameters, cations/anions, total metals, hexavalent chromium, perchlorate, radionuclides, VOCs, SVOCs, organochlorine pesticides (OCPs), PCBs, dioxins/furans, methyl mercury, and white phosphorus. Analytical results are described in Section 3.2.

2.7 ANALYTICAL LABORATORIES

The following Nevada-certified laboratories were utilized during the 1st and 2nd Quarter 2009 CAMU events:

Laboratory Name	Location	Analyses Performed
TestAmerica Laboratories (TA St. Louis)	Earth City, Missouri	Alkalinity, Anions, Ion Balance, TDS, Metals/Hardness, OCPs, PCBs, VOCs, Dioxins/Furans
TestAmerica Laboratories (TA Irvine)	Irvine, California	Chlorite
General Engineering Laboratories (GEL)	Charleston, South Carolina	Perchlorate, SVOCs, PAHs, Radionuclides, Radon
Advanced Technology Laboratories (ATL)	Las Vegas, Nevada	Hexavalent Chromium
Brooks Rand Labs	Seattle, Washington	Methyl Mercury
ALS Laboratory Group (formerly DataChem Laboratories)	Salt Lake City, Utah	White Phosphorus

2.8 QUALITY ASSURANCE/QUALITY CONTROL

Measurement data were consistently assessed and documented to determine whether objectives were met. The review assesses data quality and identifies potential limitations on data use. The data quality review process provides information on overall method performance and data usability. Section A7 of the BRC QAPP defines the basis for assessing the elements of data quality. Laboratory data and data quality review reporting procedures and formats are also addressed in Section A7 of the BRC QAPP.

Quality assurance (QA) activities include performing technical systems audits, performance audits, and data validation at the frequency recommended in the BRC QAPP. Field audits are not required, but may be performed in the event significant discrepancies are identified that warrant evaluation of field practices. No field audits were performed during the 2009 CAMU monitoring events.

As discussed in Section 2.3, various types of QC samples were collected to aid in evaluating the analytical data quality, including field duplicate groundwater samples and equipment blank samples, which were analyzed for the broad suite of analytes included in the CAMU monitoring program[4]. In addition, trip blanks were prepared by the laboratory and were included in each groundwater sample shipment containing VOCs, for analysis of VOCs. In addition to the above QC samples, additional sample volume was collected for the purpose of conducting laboratory MS/MSD analyses.

2.9 DATA REVIEW AND VALIDATION

The data generated during the 1st and 2nd Quarters 2009 CAMU monitoring events were subjected to a data review in accordance with the QAPP, SOP-40 (*Data Review/Validation*; FSSOP), USEPA National Functional Guidelines (USEPA, 1999, 2001, 2004, 2005 and 2008), and the NDEP *Supplemental Guidance on Data Validation* (NDEP 2009a,b), *Additional Guidance on Completion of Quality Checks for Cation-Anion Balance* (NDEP 2007), and *Cation-Anion Balance – Updated Guidance* (NDEP 2009d). These guidance documents provided

[4] During the 1st Quarter 2009 event, the field duplicate sample from AA-BW-02A was analyzed for the full suite of analyses excluding PCBs, dioxins/furans, radon, white phosphorus and methyl mercury; however, the field duplicate sample collected from AA-BW-04A was analyzed for the full suite of analyses, including those listed in this footnote. Analyses for radon, white phosphorus, and methyl mercury were also omitted from the equipment blank suite of analyses during the 1st Quarter 2009 event. During the 2nd Quarter 2009 event, the two field duplicates and the equipment blank were analyzed for the full suite of analyses.

direction for the data review and validation activities conducted for data collected during these events.

All of the data were subjected to a Stage 2B review. Stage 2B data validation consisted of a manual review of all parameters related to sample analysis, including holding times, instrument performance check (as applicable), initial calibration, continuing calibration, blank contamination, laboratory control sample (LCS), MS/MSD, surrogates and internal standards (as applicable), and compound identification. In addition to the Stage 2B review, 20 percent of all data collected during the course of the investigation were subject to full Stage 4 data validation. Stage 4 data validation consisted of review of all parameters reviewed as part of the Stage 2B review with additional review of the raw data including chromatograms, log books, quantitation reports, and spectra. Data validation qualifiers and reason codes used during this process are summarized in Table 2-6. Laboratory Data Consultants (LDC) was subcontracted to conduct all the data validation. Data Validation Summary Reports (DVSRs) for all data collected during the 1st and 2nd Quarter monitoring events (DVSR #55a and 55b, respectively) have been prepared and submitted separately as stand-alone reports by ERM. DVSRs #55a and 55b were approved by the NDEP on June 16, 2009, and July 31, 2009, respectively.

Based on the evaluation of the datasets, the majority of the data obtained during the two events are valid (that is, not rejected) and acceptable for their intended use (100 percent of the 1st Quarter data, and 99.97 percent of the 2nd Quarter data). All analyses were performed as requested on the COC. No assumptions of data quality were made based on information that was not provided. Some data were qualified based on the data review. All data results qualified with 'J', 'U', or 'UJ' are considered valid and acceptable for their intended use. All data results qualified with 'R' are considered invalid and are rejected for use.

3.0 GROUNDWATER MONITORING RESULTS

General groundwater conditions and analytical results for the 1st and 2nd Quarter 2009 CAMU monitoring events are summarized in this section. The monitoring wells included in these monitoring events are presented on Figure 2-1.

3.1 GROUNDWATER CONDITIONS

This section describes the general groundwater conditions at the Site during the 1st and 2nd Quarter 2009 CAMU monitoring events including depth to groundwater, groundwater gradient, and groundwater flow direction.

3.1.1 Depth to Groundwater

Groundwater level measurements were collected from 17 wells across the Site during the 1st Quarter and from 24 wells during the 2nd Quarter. As noted in Section 2.2, during the 1st Quarter event, BRC collected water level measurements during three mobilizations; for the purpose of this report, the first water level measurement for each well is used for water level evaluations.

During the 1st Quarter 2009 monitoring event, depth to groundwater measurements ranged from 32.04 below top of casing (btoc; well H-21R, located along the northern CAMU boundary) to 56.20 feet btoc (well EC-2, located along the southern CAMU boundary). The highest groundwater elevation during the 1st Quarter event was 1725.37 feet above mean sea level (amsl) in well AA-MW-07, located in the southeast corner of the Site. The lowest groundwater elevation during the 1st Quarter event was 1693.32 feet amsl in well AA-BW-04A, located in the north-east portion of the Site. Well-specific measured depths to water and calculated groundwater elevations for the 1st Quarter 2009 event are presented in Groundwater Elevation Data Table 3-1, and the Shallow Zone measurements are posted and contoured on Figure 3-1.

The depths to water measured during the 2nd Quarter event were comparable to those measured during the 1st Quarter 2009, with measurements ranging from artesian conditions (TR-11 and TR-12) to 57.91 feet btoc (MC-MW-11). The highest groundwater elevation during the 2nd Quarter event was 1758.50 feet amsl in well MC-MW-12. The lowest groundwater elevation during the 2nd Quarter event was 1693.54 feet amsl, again in well AA-BW-04A. Well-specific measured depths to water and calculated groundwater elevations for the 2nd Quarter 2009 event are presented in Groundwater Elevation Data Table 3-1, and the Shallow Zone measurements are posted and contoured on Figure 3-2.

Well hydrographs summarizing all available water level data for the CAMU wells are presented in Appendix C.

3.1.2 Groundwater Flow Direction

As illustrated on Figure 3-1, the general groundwater flow direction beneath the Site during the 1st Quarter 2009 event is north-northeasterly at an average gradient of 0.013 feet per foot in the Shallow Zone. The interpreted 2nd Quarter 2009 groundwater flow direction (north-northeasterly) and gradient (0.013 feet per foot) are comparable (Figure 3-2), given the similarity in measured water levels (and potentiometric surfaces) during the two events.

3.2 ANALYTICAL RESULTS

Groundwater analytical results are presented in this section for the 1st and 2nd Quarter 2009 CAMU monitoring events performed at the Site. Data validation for the data set was completed by ERM personnel and LDC as discussed in Section 2.9. Summaries of groundwater analytical results from the 1st and 2nd Quarter 2009 CAMU monitoring events are presented in Tables 3-2a,b,c. Groundwater analytical results for the 1st and 2nd Quarter 2009 CAMU monitoring events and prior historical sampling events are presented by individual chemical class in Tables 3-3 through 3-14.

As summarized in Tables 3-2a, b, and c, data collected during the 1st and 2nd Quarter 2009 CAMU monitoring events were subjected to a basic statistical analysis (per event and combined); the tables present the compound-specific number of detections, ranges of reporting limits, ranges of concentrations, number of detections exceeding USEPA maximum contaminant level (MCLs) and NDEP Basic Comparison Levels (BCLs: NDEP 2009c). In addition, a small number of constituents representing the main chemical classes of interest in the CAMU area were selected for graphic presentation of historical trends in concentrations and chemical occurrence within the Shallow Zone. Specifically, graphical presentations are provided for the following:

Compound Class	Example Analyte Presented Graphically
Metals	Arsenic
Organochlorine Pesticides	alpha-BHC
VOCs	Benzene Chlorobenzene Chloroform 1,4-Dichlorobenzene Tetrachloroethene (PCE)

Compound Class	Example Analyte Presented Graphically
SVOCs	Pentachlorophenol
Radionuclides	Radium-226/228 (sum) Radon-222
General Chemistry	Perchlorate
General Water Quality	Total Dissolved Solids (TDS)

Concentration trend graphs for these constituents are presented in Appendix D. Contoured chemical occurrence maps for these constituents are presented in Appendices E and F, for the 1st Quarter 2009 and 2nd Quarter 2009 CAMU monitoring events, respectively. These twelve analytes were generally selected because they were routinely detected at concentrations in excess of applicable screening levels (see Table 3-2). It is also noted that, as seen in Table 3-2, additional analytes (*i.e.*, beyond those depicted graphically) exceeded screening levels.

As part of the data review process, BRC in conjunction with the Site laboratory performed tests for cation-anion balances, TDS checks, and TDS and electrical conductivity checks for data generated during the 2nd Quarter 2009 CAMU groundwater monitoring event. The results of this evaluation are presented in Table 3-14. In the water samples collected and analyzed for the 2nd Quarter 2009 CAMU event, sample pH ranged from 4.9 to 7.4. Due to the reported pH range of results, alkalinity was composed nearly entirely of bicarbonate, therefore the bicarbonate results were used in the balance calculation rather than the hydroxide results.

In conducting the cation-anion balance for the 2nd Quarter 2009 CAMU event, the variance between the cation and anion sum (as represented by the difference between the cation and anion sum, divided by the total ion sum, expressed as a percentage) ranged between 0.58 and 8.6 percent. Fourteen primary and two field duplicate samples were used in the cation-anion balance calculations. Sample AA-BW-09A was not subjected to cation-anion balance calculations because the anion sum was greater than 800 meq/L; a charge balance error check was instead performed for this sample, per NDEP (2009d) guidance.

Based on these data, as presented in Table 3-14, 13 of the 16 cation-anion balances were within acceptable range of 5 percent. The samples with variances outside the acceptable range were associated with wells AA-BW-08A (primary sample only; the field duplicate was within the acceptable range), EC-2, and H-28. Seven of the samples had anion sums greater than the cation sums. TDS laboratory/sum ratio checks were within acceptable result ratios of 1.0 – 1.2 in only two of the 17 samples. It should be noted that the balance results may be influenced by elevated sample results, and estimated laboratory results due to matrix interference and laboratory dilution

requirements. TDS and electrical conductivity checks were within acceptable ratios of 0.55 – 1.0 in 10 of the 17 samples. This test may also be influenced by elevated sample results, and estimated laboratory results due to matrix interference and laboratory dilution requirements. As noted above, a charge balance error check was performed for sample AA-BW-09A. As presented in Table 3-14, the charge balance error check was within the acceptable range of 5 percent. All these evaluations were done using NDEP's most recent *Cation-Anion Balance – Updated Guidance* (NDEP 2009d).

3.3 RECOMMENDATIONS

BRC proposes the following actions for the Site associated with the BRC CAMU groundwater monitoring program:

- BRC proposes to conduct a field inspection prior to the next sampling event to locate well MC80. If found, the well will be visually inspected to determine its suitability for use in the CAMU monitoring program. Based on those observations, BRC will report to NDEP with a determination of whether the well is to be maintained in or removed from the monitoring program.

- BRC adjust field protocols, as necessary, to address issues associated with DNALP readings after discussions with the upgradient companies prior to the next monitoring event.

- Consistent with previous monitoring events, the groundwater data collected from the 1st and 2nd Quarter CAMU monitoring events, as depicted in chemical occurrence maps presented in Appendices E and F, indicate that elevated concentrations of contaminants reported in samples collected from area wells can be attributed to upgradient off-site sources. BRC recommends that continued up-gradient evaluation of groundwater quality be performed to determine the primary source of the contamination reported at the Site.

4.0 REFERENCES

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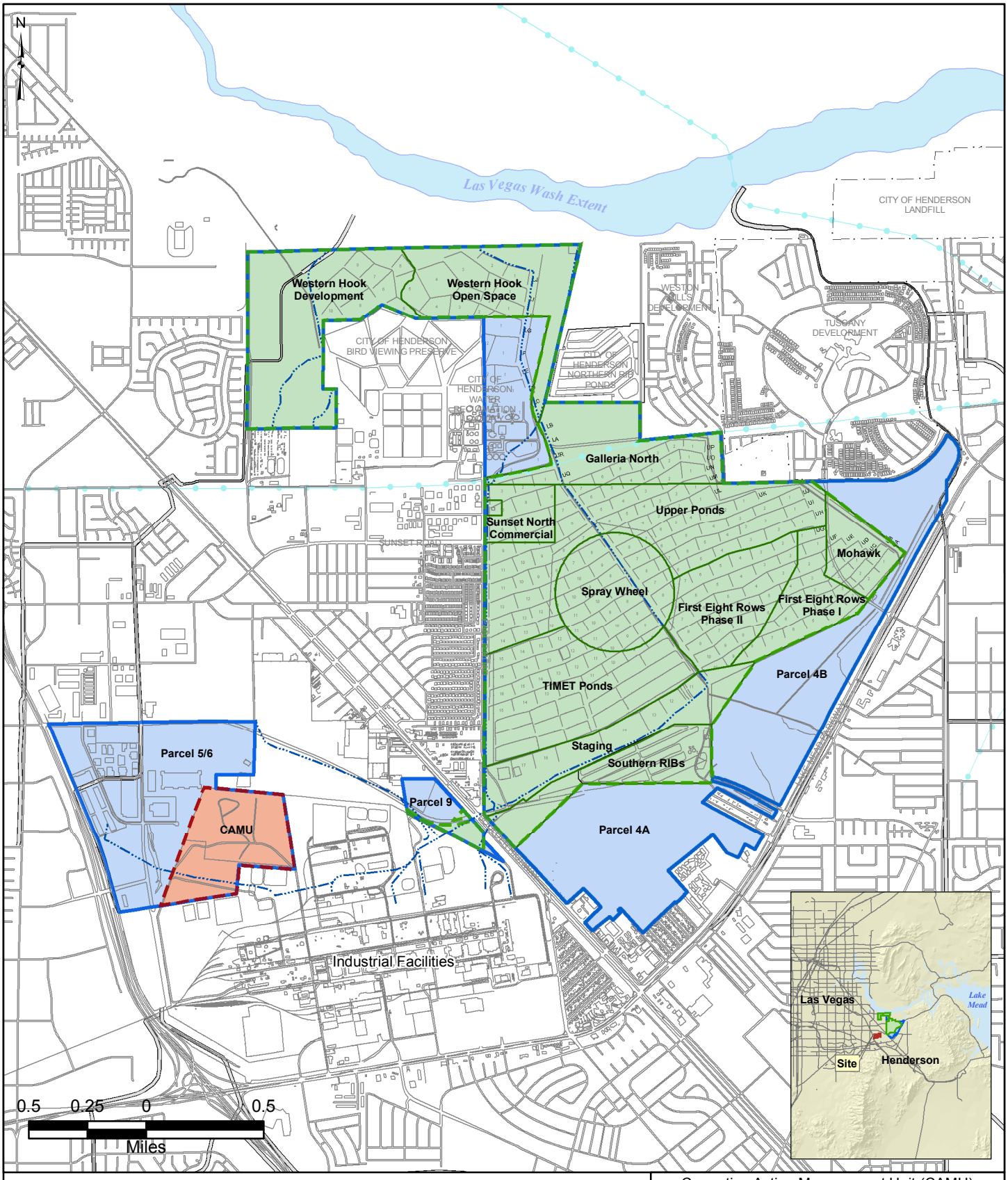
FIGURES



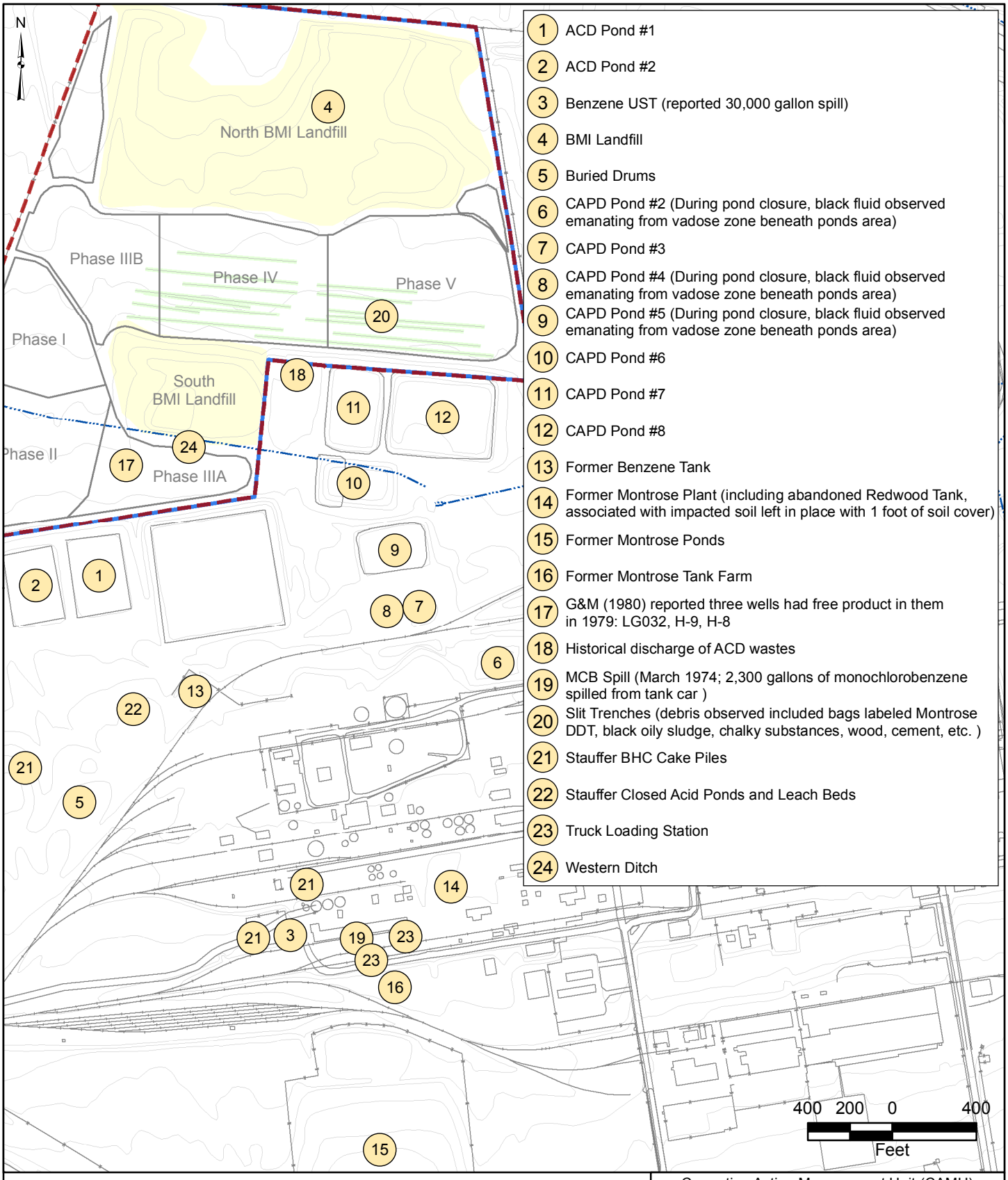
Corrective Action Management Unit (CAMU)
BMI Complex, Henderson, Nevada

FIGURE 1-1

SITE LOCATION MAP

Basic Remediation COMPANY

Prepared by		Date	JOB No. 0074742
MKJ (ERM)	ERM	09/24/09	FILE: GIS/BRC/CAMU_GMR/FIGURE_1-1.MXD



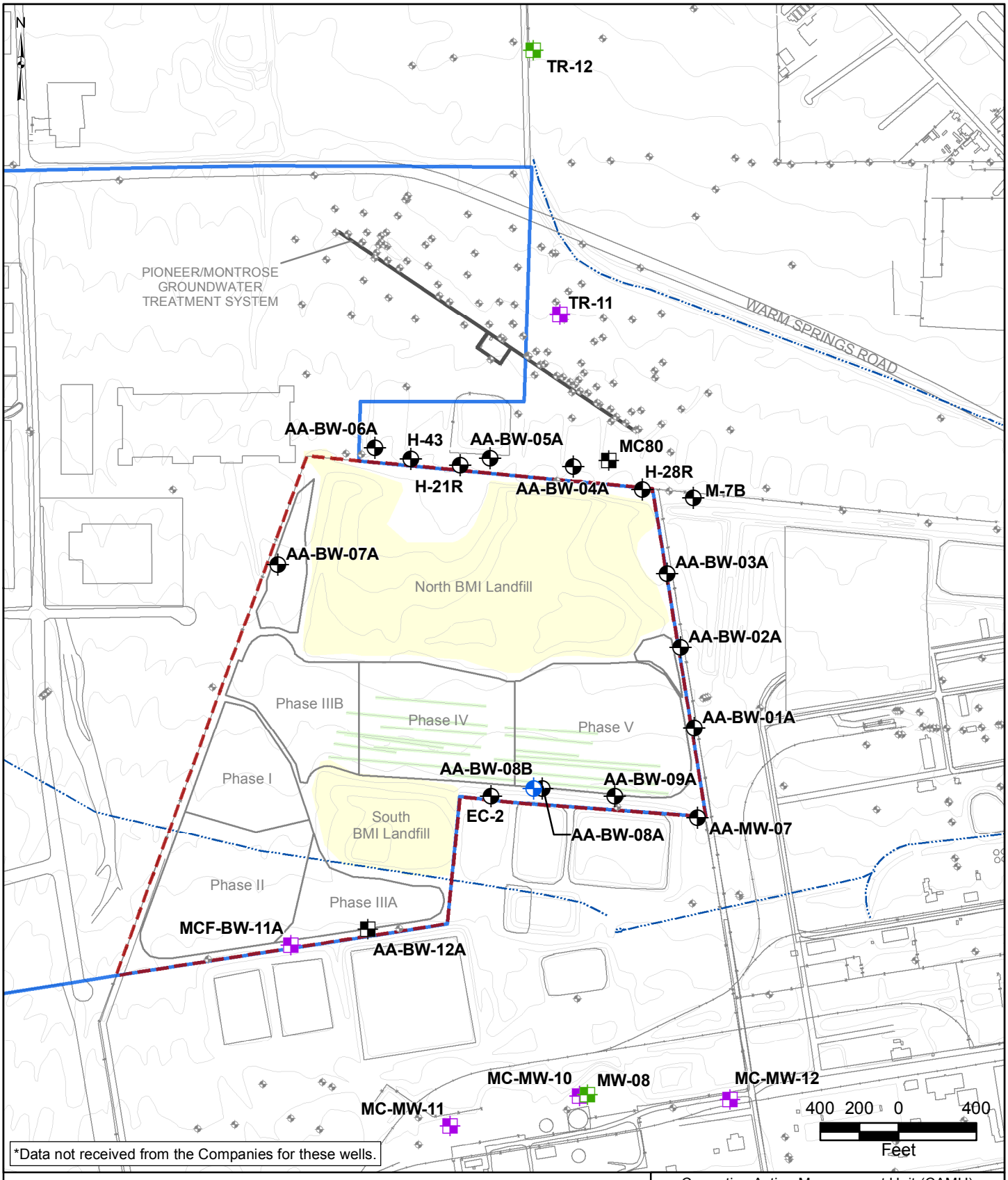
Corrective Action Management Unit (CAMU)
BMI Complex, Henderson, Nevada

FIGURE 1-2

POTENTIAL UPGRADIENT SOURCE AREAS

Basic Remediation Company

Prepared by	Date	JOB No. 0074742
MKJ (ERM)	09/24/09	FILE: GIS/BRC/CAMU_GMR/FIGURE_1-2.MXD



CAMU Site

Site Groundwater Boundary

Slit Trenches

Other Monitoring Wells

CAMU Monitoring Program Wells

- Shallow Zone Well, Monitored by BRC
- Shallow Zone Well, Monitored by Companies*
- Middle Zone Well, Monitored by Companies*
- Deep Zone Well, Monitored by Companies*
- Shallow Zone Well, Water Level Only

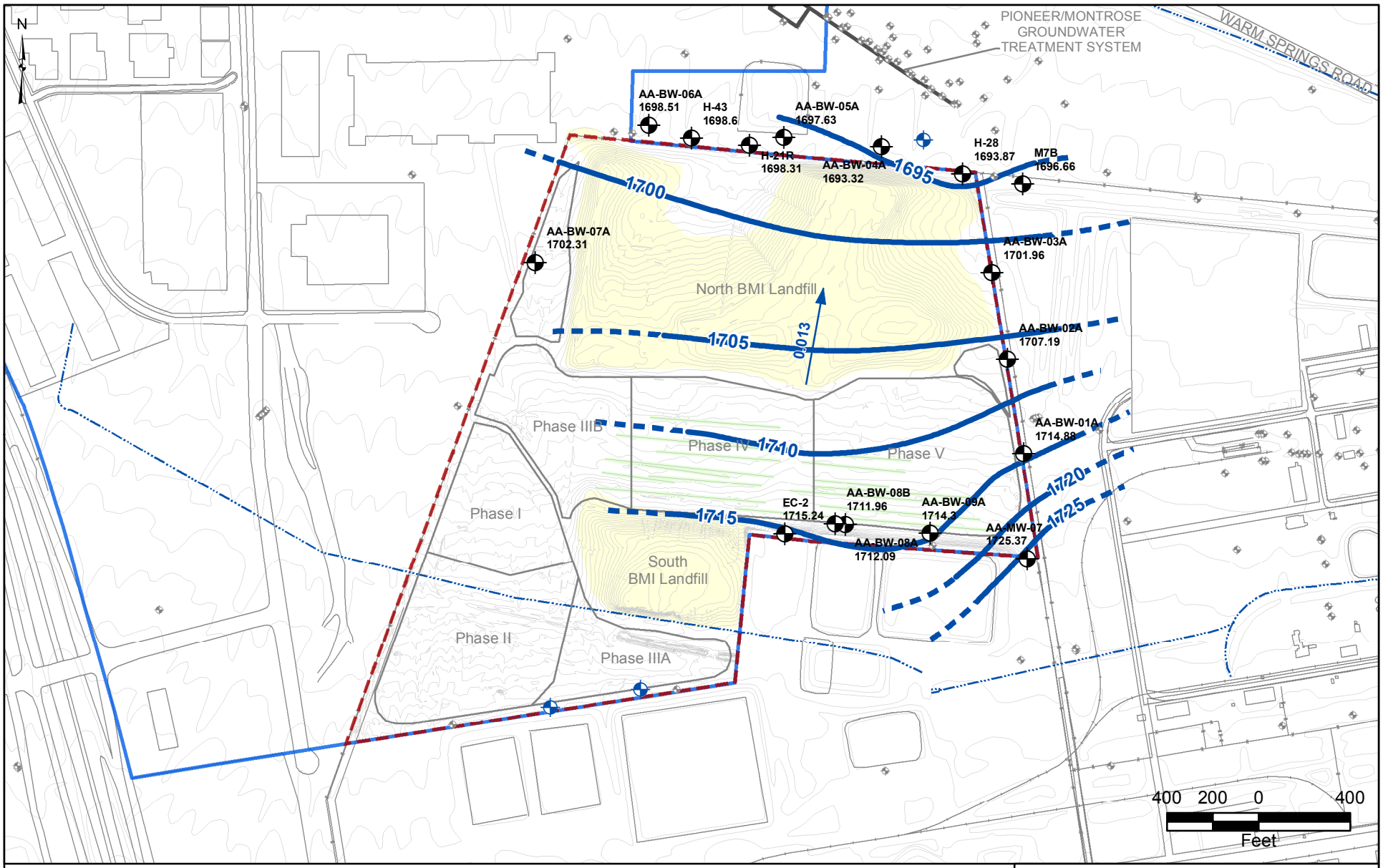
Corrective Action Management Unit (CAMU)
BMI Complex, Henderson, Nevada

FIGURE 2-1

CAMU AREA
MONITORING PROGRAM

Basic Remediation Company

Prepared by MKJ (ERM) | Date 09/24/09 | JOB No. 0074742 | FILE: GIS/BRC/CAMU_GMR/FIGURE_2-1.MXD



CAMU Site

Site Groundwater Boundary

Slit Trenches

Other Monitoring Wells

CAMU Monitoring Program Wells*

CAMU Monitoring Wells with Data

Water Level Contour
(dashed where interred)

Note: Measurements are in feet above mean sea level (ft msl).

*Data not received from the Companies for these wells.

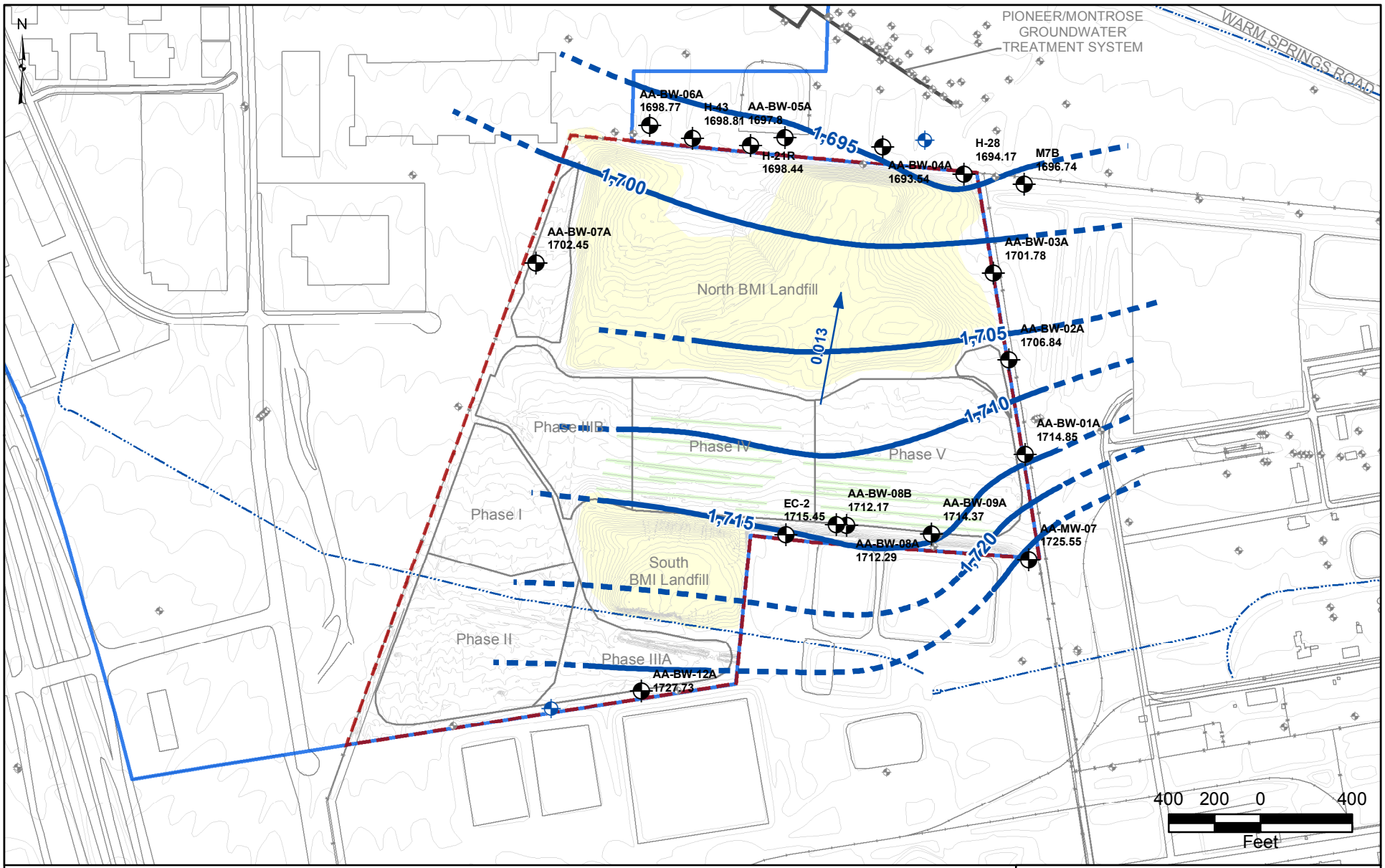
Corrective Action Management Unit (CAMU)
BMI Complex, Henderson, Nevada

FIGURE 3-1

POTENTIOMETRIC SURFACE MAP OF THE SHALLOW WATER-BEARING ZONE WELLS 1ST QUARTER 2009

Basic Remediation Company

Prepared by	Date	JOB No. 0074742
MKJ (ERM)	09/24/09	FILE: GIS/BRC/CAMU_GMR/FIGURES.MXD



CAMU Site

Site Groundwater Boundary

Slit Trenches

Other Monitoring Wells

CAMU Monitoring Program Wells*

CAMU Monitoring Wells with Data

Water Level Contour
(dashed where interred)

Note: Measurements are in feet above mean sea level (ft msl).

*Data not received from the Companies for these wells.

Corrective Action Management Unit (CAMU)
BMI Complex, Henderson, Nevada

FIGURE 3-2

POTENTIOMETRIC SURFACE MAP OF THE SHALLOW WATER-BEARING ZONE WELLS 2ND QUARTER 2009

Basic Remediation COMPANY

Prepared by	Date	JOB No. 0074742
MKJ (ERM)	09/24/09	FILE: GIS/BRC/CAMU_GMR/FIGURES.MXD

TABLES

TABLE 2-1
WELLS INCLUDED IN CAMU AREA MONITORING PROGRAM
1ST AND 2ND QUARTER 2009 GROUNDWATER MONITORING EVENTS
CAMU AREA, CLARK COUNTY, NEVADA

Well ID	Owner	Depth to Top of Screen (ft bgs)	Depth to Bottom of Screen (ft bgs)	Hydro-geologic Zone	Rationale
AA-BW-01A	BRC	33	53	Shallow	Monitors shallow impacts crossgradient at southeast CAMU
AA-BW-02A	BRC	33	53	Shallow	Monitors impacts at eastern CAMU; defines eastern boundary of offsite plants area plumes
AA-BW-03A	BRC	33	53	Shallow	Monitors impacts at eastern CAMU; defines eastern boundary of offsite plants area plumes
AA-BW-04A	BRC	32	52	Shallow	Monitors impacts downgradient of northern CAMU and central axes of upgradient plants area plumes
AA-BW-05A	BRC	34	64	Shallow	Monitors impacts downgradient of northern CAMU and upgradient plants area plumes
AA-BW-06A	BRC	23	43	Shallow	Monitors impacts downgradient of northwestern CAMU
AA-BW-07A	BRC	32	52	Shallow	Monitors impacts at western CAMU
AA-BW-08A	BRC	37.5	57.5	Shallow	Monitors impacts upgradient at southeast CAMU
AA-BW-08B	BRC	43	63	Shallow	Monitors impacts upgradient at southeast CAMU. Benzene/chlorobenzene DNAPL detected October 2007
AA-BW-09A	BRC	33	53	Shallow	Monitors impacts upgradient at southeast CAMU
AA-BW-12A	**BRC**	**49**	**69**	**Shallow**	**Monitors impacts upgradient of southwest CAMU**
AA-MW-07	Companies	30.5	70.5	Shallow	Monitors impacts upgradient at southeast CAMU
EC-2	Companies	50	70	Shallow	Monitors impacts upgradient at center of southern CAMU
H-21R	Companies	40	50	Shallow	Monitors impacts downgradient of northern CAMU and upgradient plants area plumes
H-28	Companies	37.4	50.5	Shallow	Monitors impacts at northeastern CAMU; defines northeastern boundary of offsite plants area plumes
H-43	Companies	29	44	Shallow	Monitors impacts downgradient of northern CAMU and upgradient plants area plumes
M7B	Tronox	25.5	50.5	Shallow	Monitors impacts at northeastern CAMU; defines northeastern boundary of offsite plants area plumes
MC80[a]	Companies	38	48	Shallow	Monitors impacts downgradient of northeastern CAMU and central axes of upgradient plants area plumes
MCF-BW-08	BRC	77	87	Shallow	Monitors UMCf water levels and impacts upgradient at southeast CAMU
MCF-BW-11A	**BRC**	**57**	**72**	**Shallow**	**Monitors UMCf water levels, vertical gradients, and deeper impacts upgradient of southwest CAMU**
MC-MW-10	**Companies**	**85**	**115**	**Middle**	**Monitors upgradient impacts in plants area**
MC-MW-11	**Companies**	**100.5**	**120.5**	**Middle**	**Monitors upgradient impacts in plants area**
MC-MW-12	**Companies**	**100**	**120**	**Middle**	**Monitors upgradient impacts in plants area**
MW-8	**Companies**	**275**	**295**	**Deep**	**Monitors upgradient impacts in plants area**
P1	**Companies**	**--**	**--**	**Middle**	**Proposed well that will monitor downgradient impacts**
P2	**Companies**	**--**	**--**	**Middle**	**Proposed well that will monitor downgradient impacts**
P3	**Companies**	**--**	**--**	**Deep**	**Proposed well that will monitor upgradient impacts**
TR-11	**Companies**	**210**	**230**	**Middle**	**Monitoring multiple impacts to north of CAMU (downgradient of extraction wells)**
TR-12	**Companies**	**272**	**292**	**Deep**	**Monitoring multiple impacts to north of CAMU (downgradient of extraction wells)**

Notes:
ft bgs = feet below ground surface
-- = data not available
Wells with bold font in shaded cells were to be sampled by the Companies during the 1st and 2nd Quarter 2009 CAMU monitoring events. These data have not been received by BRC at the time of the report submittal.
[a]Well can not be located and is presumed destroyed.

TABLE 2-2
CONSTRUCTION DETAILS FOR WELLS INCLUDED IN CAMU AREA MONITORING PROGRAM
1ST AND 2ND QUARTER 2009 GROUNDWATER MONITORING EVENTS
CAMU AREA, CLARK COUNTY, NEVADA

Well ID	Owner	Date Installed	TOC Elevation (ft amsl)	Grade Elevation (ft amsl)	Depth to Qal/UMCf Contact (ft bgs)	Depth to Top of Screen (ft bgs)	Depth to Bottom of Screen (ft bgs)	Screen Length (ft)	Units Screened	Hydrogeologic Zone	Total Borehole Depth (ft bgs)	Contact Elevation (ft amsl)	Screen Top Elevation (ft amsl)	Screen Bottom Elevation (ft amsl)	Casing/Screen Type	Diameter (inches)	Screen Slot (inches)	Full Log available?
AA-BW-01A	BRC	3/9/05	1754.56	1752.84	46	33	53	20	Qal/TMC 7'	Shallow	60	1706.84	1719.84	1701.56	Sch 80 PVC	4	0.01	Yes
AA-BW-02A	BRC	3/8/05	1748.80	1746.78	42	33	53	20	Qal/TMC 11'	Shallow	60	1704.78	1713.78	1695.8	Sch 80 PVC	4	0.01	Yes
AA-BW-03A	BRC	3/2/05	1741.63	1739.48	42.5	33	53	20	Qal/TMC 10.5'	Shallow	60	1696.98	1706.48	1688.63	Sch 80 PVC	4	0.01	Yes
AA-BW-04A	BRC	2/24/05	1731.49	1729.47	51	32	52	20	Qal/TMC 1'	Shallow	60	1678.47	1697.47	1677.47	Sch 80 PVC	4	0.01	Yes
AA-BW-05A	BRC	2/12/05	1731.40	1729.21	64	34	64	30	Qal	Shallow	200	1665.21	1695.21	1665.21	Sch 80 PVC	4	0.01	Yes
AA-BW-06A	BRC	3/10/05	1731.40	1729.28	42	23	43	20	Qal/TMC 1'	Shallow	50	1687.28	1706.28	1686.28	Sch 80 PVC	4	0.01	Yes
AA-BW-07A	BRC	2/28/05	1741.73	1739.89	50	32	52	20	Qal/TMC 2'	Shallow	60	1689.89	1707.89	1687.89	Sch 80 PVC	4	0.01	Yes
AA-BW-08A	BRC	3/15/05	1763.18	1761.28	58	37.5	57.5	20	Qal	Shallow	75	1703.28	1723.78	1703.78	Sch 80 PVC	4	0.01	Yes
AA-BW-08B	BRC	3/17/05	1763.63	1761.47	59	43	63	20	Qal/TMC 4'	Shallow	75	1702.47	1718.47	1698.47	Sch 80 PVC	4	0.01	Yes
AA-BW-09A	BRC	3/11/05	1763.12	1761.59	51	33	53	20	Qal/TMC 2'	Shallow	60	1710.59	1728.59	1708.59	Sch 80 PVC	4	0.01	Yes
AA-BW-12A	BRC	2/15/05	1778.54	1776.54	60	49	69	20	Qal/TMC 9'	Shallow	200	1716.54	1727.54	1707.54	Sch 80 PVC	4	0.01	Yes
AA-MW-07	Companies	9/12/06	1764.22	1761.91	70	30.5	70.5	40	Qal	Shallow	90	1691.91	1731.41	1691.41	Sch 40 PVC	4	0.02	Yes
EC-2	Companies	2/10/98	--	--	66	50	70	20	Qal/TMC 4'	Shallow	70	--	--	--	Sch 40 PVC	4	0.02	Yes
H-21R	Companies	2/21/80	1729.45	1728.35	45.5	40	50	10	Qal/TMC 9.5'	Shallow	101	1682.85	1688.35	1678.35	Steel	8/6	slotted	Yes
H-28	Companies	2/18/80	1730.33	1729.13	44.5	37.4	50.5	13.1	Qal/TMC 6.5'	Shallow	51	1684.63	1691.73	1678.63	Steel	6	--	Yes
H-43	Companies	8/17/81	1729.82	1728.20	45.5	29	44	15	Qal	Shallow	55	1682.70	1699.20	1684.20	Steel	5	--	Yes
M7B	Tronox	12/2/98	--	--	29.5	25.5	50.5	25	Qal/TMC 21'	Shallow	52.5	--	--	--	PVC	2	0.02	Yes
MC-80	Companies	8/9/83	--	--	46	38	48	10	Qal/TMC 2'	Shallow	48	--	--	--	PVC	2	0.02	Yes
MCF-BW-08	BRC	3/14/05	1763.39	1761.52	57	77	87	10	TMC cg	Shallow	90	1704.52	1684.52	1674.52	Sch 80 PVC	4	0.01	Yes
MCF-BW-11A	BRC	3/23/05	1778.38	1776.18	52	57	72	15	TMC cg	Shallow	80	1724.18	1719.18	1704.18	Sch 80 PVC	4	0.01	Yes
MC-MW-10	Companies	9/21/06	1803.90	1801.21	58	85	115	20	TMC	Middle	160	1743.21	1716.21	1686.21	PVC	4	0.01	Yes
MC-MW-11	Companies	9/26/06	1804.50	1801.94	60	100.5	120.5	20	TMC	Middle	160	1741.94	1701.44	1681.44	PVC	4	0.01	Yes
MC-MW-12	Companies	9/28/06	1797.49	1797.38	70	100	120	20	TMC	Middle	127	1727.38	1697.38	1677.38	PVC	4	0.01	Yes
MW-8	Companies	8/27/04	1803.63	1800.95	54	275	295	20	TMC cg	Deep	302	1746.95	1525.95	1505.95	St.Steel	4	0.02	Yes
P1	Companies	pending	--	--	--	--	--	--	TMC	Middle	--	--	--	--	--	--	--	--
P2	Companies	pending	--	--	--	--	--	--	TMC	Middle	--	--	--	--	--	--	--	--
P3	Companies	pending	--	--	--	--	--	--	TMC	Deep	--	--	--	--	--	--	--	--
TR-12	Companies	10/16/99	--	--	43	272	292	20	TMC cg	Deep	292.5	--	--	--	PVC	4	0.02	Yes
TR-2	Companies	9/8/99	--	1750.00	37	140	170	30	TMC cg	Middle	180	1713	1610	1580	--	--	--	Yes

ft bgs = Feet below ground surface.
ft amsl = Feet above mean sea level.
--- = Data not applicable or not available.

TABLE 2-3
ANALYTICAL PROGRAM FOR CAMU AREA MONITORING EVENTS
1ST AND 2ND QUARTER 2009 GROUNDWATER MONITORING EVENTS
CAMU AREA, CLARK COUNTY, NEVADA
(Page 1 of 2)

			Field Sampling				Laboratory Analytical Suite									
Well ID	Owner	Frequency	Water Level Measurement	NAPL Measurement	Dissolved Oxygen (field) per SOP5[a]	Water Quality Sampling	General Chemistry and Ions	VOCs	SVOCs	Organochlorine Pesticides	Metals	Water Quality Parameters including TDS	Radionuclides including radon	Dioxins/Furans[b]	PCBs (w/ Congeners)[b]	White Phosphorous and Methyl Mercury[a]
AA-BW-01A	BRC	Quarterly	1st/2nd	1st/2nd	1st/2nd	1st/2nd	1st/2nd	1st/2nd	1st/2nd	1st/2nd	1st/2nd	1st/2nd	1st/2nd	---	---	1st/2nd
AA-BW-02A	BRC	Quarterly	1st/2nd	1st/2nd	1st/2nd	1st/2nd	1st/2nd	1st/2nd	1st/2nd	1st/2nd	1st/2nd	1st/2nd	1st/2nd	---	---	1st/2nd
AA-BW-03A	BRC	Quarterly	1st/2nd	1st/2nd	1st/2nd	1st/2nd	1st/2nd	1st/2nd	1st/2nd	1st/2nd	1st/2nd	1st/2nd	1st/2nd	---	---	1st/2nd
AA-BW-04A	BRC	Quarterly	1st/2nd	1st/2nd	1st/2nd	1st/2nd	1st/2nd	1st/2nd	1st/2nd	1st/2nd	1st/2nd	1st/2nd	1st/2nd	1st/2nd	1st/2nd	1st/2nd
AA-BW-05A	BRC	Quarterly	1st/2nd	1st/2nd	1st/2nd	1st/2nd	1st/2nd	1st/2nd	1st/2nd	1st/2nd	1st/2nd	1st/2nd	1st/2nd	1st/2nd	1st/2nd	1st/2nd
AA-BW-06A	BRC	Quarterly	1st/2nd	1st/2nd	1st/2nd	1st/2nd	1st/2nd	1st/2nd	1st/2nd	1st/2nd	1st/2nd	1st/2nd	1st/2nd	1st/2nd	1st/2nd	1st/2nd
AA-BW-07A	BRC	Quarterly	1st/2nd	1st/2nd	1st/2nd	1st/2nd	1st/2nd	1st/2nd	1st/2nd	1st/2nd	1st/2nd	1st/2nd	1st/2nd	---	---	---
AA-BW-08A	BRC	Quarterly	1st/2nd	1st/2nd	1st/2nd	1st/2nd	1st/2nd	1st/2nd	1st/2nd	1st/2nd	1st/2nd	1st/2nd	1st/2nd	1st/2nd	1st/2nd	1st/2nd
AA-BW-08B	BRC	Quarterly	1st/2nd	1st/2nd	---[c]	---[c]	---[c]	---[c]	---[c]	---[c]	---[c]	---[c]	---[c]	---[c]	---[c]	---[c]
AA-BW-09A	BRC	Quarterly	1st/2nd	1st/2nd	1st/2nd	1st/2nd	1st/2nd	1st/2nd	1st/2nd	1st/2nd	1st/2nd	1st/2nd	1st/2nd	1st/2nd	1st/2nd	1st/2nd
AA-BW-12A	BRC	Quarterly	C	C	C	C	C	C	C	C	C	C	C	C	C	C
AA-MW-07	Companies	Quarterly	1st/2nd	1st/2nd	1st/2nd	1st/2nd	1st/2nd	1st/2nd	1st/---	1st/2nd	1st/2nd	1st/2nd	1st/---	1st/2nd	1st/2nd	1st/2nd
EC-2	Companies	Quarterly	1st/2nd	1st/2nd	1st/2nd	1st/2nd	1st/2nd	1st/2nd	1st/---	1st/2nd	1st/2nd	1st/2nd	1st/---	1st/2nd	1st/2nd	1st/2nd
H-21R	Companies	Quarterly	1st/2nd	1st/2nd	1st/2nd	1st/2nd	1st/2nd	1st/---	1st/---	1st/2nd	1st/2nd	1st/2nd	1st/2nd	1st/2nd	1st/2nd	1st/2nd
H-28	Companies	Quarterly	1st/2nd	1st/2nd	1st/2nd	1st/2nd	1st/2nd	1st/2nd	1st/2nd	1st/2nd	1st/2nd	1st/2nd	1st/2nd	1st/2nd	1st/2nd	1st/2nd
H-43	Companies	Quarterly	1st/2nd	1st/2nd	1st/2nd	1st/2nd	1st/2nd	1st/2nd	1st/2nd	1st/2nd	1st/2nd	1st/2nd	1st/2nd	1st/2nd	1st/2nd	1st/2nd
M7B	Tronox	Quarterly	1st/2nd	1st/2nd	1st/2nd	1st/2nd	1st/2nd	1st/2nd	1st/2nd	1st/2nd	1st/2nd	1st/2nd	1st/2nd	1st/2nd	1st/2nd	1st/2nd
MC80[d]	Companies	Quarterly	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MCF-BW-08	BRC	Quarterly	1st/2nd	1st/2nd	---[c]	---[c]	---[c]	---[c]	---[c]	---[c]	---[c]	---[c]	---[c]	---[c]	---[c]	---[c]
MCF-BW-11A	BRC	Quarterly	C	C	C	C	C	C	C	C	C	C	C	C	C	C
MC-MW-10	Companies	Quarterly	C	C	C	C	C	C	C	C	C	C	C	C	C	C
MC-MW-11	Companies	Quarterly	C	C	C	C	C	C	C	C	C	C	C	C	C	C
MC-MW-12	Companies	Quarterly	C	C	C	C	C	C	C	C	C	C	C	C	C	C
MW-8	Companies	Quarterly	C	C	C	C	C	C	C	C	C	C	C	C	C	C

TABLE 2-3
ANALYTICAL PROGRAM FOR CAMU AREA MONITORING EVENTS
1ST AND 2ND QUARTER 2009 GROUNDWATER MONITORING EVENTS
CAMU AREA, CLARK COUNTY, NEVADA
(Page 2 of 2)

			Field Sampling				Laboratory Analytical Suite									
Well ID	**Owner**	**Frequency**	**Water Level Measurement**	**NAPL Measurement**	**Dissolved Oxygen (field) per SOP5[a]**	**Water Quality Sampling**	**General Chemistry and Ions**	**VOCs**	**SVOCs**	**Organochlorine Pesticides**	**Metals**	**Water Quality Parameters including TDS**	**Radionuclides including radon**	**Dioxins/Furans[b]**	**PCBs (w/ Congeners)[b]**	**White Phosphorous and Methyl Mercury[a]**
P1	Companies	Pending	C	C	C	C	C	C	C	C	C	C	C	C	C	C
P2	Companies	Pending	C	C	C	C	C	C	C	C	C	C	C	C	C	C
P3	Companies	Pending	C	C	C	C	C	C	C	C	C	C	C	C	C	C
TR-11	Companies	Quarterly	C	C	C	C	C	C	C	C	C	C	C	C	C	C
TR-12	Companies	Quarterly	C	C	C	C	C	C	C	C	C	C	C	C	C	C

Notes:

[a] White phosphorous and methyl mercury to be included in the analyte list if field-measured DO concentrations show anerobic conditions (approximately < 1 mg/L DO).

[b] PCBs and dioxins/furans proposed to evaluate potential impacts from the former slit trench area.

[c] Water level and NAPL monitoring only.

[d]Well can not be located and is presumed destroyed.

1st = Sampled and analyzed for during the 1st Quarter 2009 CAMU monitoring event.

2nd = Sampled and analyzed for during the 2nd Quarter 2009 CAMU monitoring event.

C = Well to be sampled by the Companies for the indicated parameter. These data have not been received by BRC at the time of the report submittal.

--- = Well not sampled for indicated parameter.

TABLE 2-4
ANALYTES INCLUDED IN CAMU AREA MONITORING PROGRAM
1ST AND 2ND QUARTER 2009 GROUNDWATER MONITORING EVENTS
CAMU AREA, CLARK COUNTY, NEVADA

Parameter of Interest	Preparation Method	Analytical Method	Compound List	CAS Number	Laboratory Limits	
Ions	EPA 300.0	EPA 300.0	Bromide	24959-67-9	0.25	mg/L
			Bromine	7726-95-6	0.5	mg/L
			Chlorate	14866-68-3	0.5	mg/L
			Chloride	16887-00-6	0.2	mg/L
			Chlorine (soluble)	7782-50-5	0.5	mg/L
			Chlorite	14998-27-7	0.02	mg/L
			Fluoride	16984-48-8	0.1	mg/L
			Iodide	20461-54-5	1	mg/L
			Ion Balance		NA	--
			Nitrate (as N)	14797-55-8	0.02	mg/L
			Nitrite (as N)	14797-65-0	0.02	mg/L
			Orthophosphate	14265-44-2	0.5	mg/L
			Sulfate	14808-79-8	0.5	mg/L
	EPA 314.0	EPA 314.0	Perchlorate	14797-73-0	4	µg/L
Polychlorinated Dibenzodioxins/ Dibenzofurans	EPA 8290	EPA 8290	1,2,3,4,6,7,8,9-Octachlorodibenzofuran	39001-02-0	100	pg/L
			1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin	3268-87-9	100	pg/L
			1,2,3,4,6,7,8-Heptachlorodibenzofuran	67562-39-4	50	pg/L
			1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	35822-46-9	50	pg/L
			1,2,3,4,7,8,9-Heptachlorodibenzofuran	55673-89-7	50	pg/L
			1,2,3,4,7,8-Hexachlorodibenzofuran	70648-26-9	50	pg/L
			1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	39227-28-6	50	pg/L
			1,2,3,6,7,8-Hexachlorodibenzofuran	57117-44-9	50	pg/L
			1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	57653-85-7	50	pg/L
			1,2,3,7,8,9-Hexachlorodibenzofuran	72918-21-9	50	pg/L
			1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	19408-74-3	50	pg/L
			1,2,3,7,8-Pentachlorodibenzofuran	57117-41-6	50	pg/L
			1,2,3,7,8-Pentachlorodibenzo-p-dioxin	40321-76-4	50	pg/L
			2,3,4,6,7,8-Hexachlorodibenzofuran	60851-34-5	50	pg/L
			2,3,4,7,8-Pentachlorodibenzofuran	57117-31-4	50	pg/L
			2,3,7,8-Tetrachlorodibenzofuran	51207-31-9	10	pg/L
			2,3,7,8-Tetrachlororodibenzo-p-dioxin	1746-01-6	10	pg/L
Metals	EPA 3010M	EPA 6020/6010B	Aluminum	7429-90-5	30	µg/L
			Antimony	7440-36-0	5	µg/L
			Arsenic	7440-38-2	0.95	µg/L
			Barium	7440-39-3	2	µg/L
			Beryllium	7440-41-7	0.5	µg/L
			Boron	7440-42-8	50	µg/L
			Cadmium	7440-43-9	0.5	µg/L
			Calcium	7440-70-2	100	µg/L
			Chromium	7440-47-3	10	µg/L
			Cobalt	7440-48-4	2	µg/L
			Copper	7440-50-8	1	µg/L
			Iron	7439-89-6	50	µg/L
			Lead	7439-92-1	3	µg/L
			Lithium	1313-13-9	50	µg/L
			Magnesium	7439-95-4	50	µg/L
			Manganese	7439-96-5	2	µg/L
			Molybdenum	7439-98-7	5	µg/L
			Nickel	7440-02-0	5	µg/L
			Potassium	7440-09-7	100	µg/L
			Selenium	7782-49-2	5	µg/L
			Silver	7440-22-4	2	µg/L
			Sodium	7440-23-5	50	µg/L
			Strontium	7440-24-6	5	µg/L
			Thallium	7440-28-0	2	µg/L
			Tin	7440-31-5	2	µg/L
			Titanium	7440-32-6	2	µg/L

TABLE 2-4
ANALYTES INCLUDED IN CAMU AREA MONITORING PROGRAM
1ST AND 2ND QUARTER 2009 GROUNDWATER MONITORING EVENTS
CAMU AREA, CLARK COUNTY, NEVADA

Parameter of Interest	Preparation Method	Analytical Method	Compound List	CAS Number	Laboratory Limits	
Metals (continued)			Tungsten	7440-33-7	5	µg/L
			Uranium	7440-61-1	1	µg/L
			Vanadium	7440-62-2	10	µg/L
			Zinc	7440-66-6	10	µg/L
	EPA 3060A	EPA 7196A	Chromium (VI)	18540-29-9	10	µg/L
	EPA 7470A	EPA 7470A	Mercury	7439-97-6	0.2	µg/L
Organochlorine Pesticides	EPA 3520C	EPA 8081A	2,4-DDD	53-19-0	0.05	µg/L
			2,4-DDE	3424-82-6	0.05	µg/L
			4,4-DDD	72-54-8	0.05	µg/L
			4,4-DDE	72-55-9	0.05	µg/L
			4,4-DDT	50-29-3	0.05	µg/L
			Aldrin	309-00-2	0.05	µg/L
			alpha-BHC	319-84-6	0.05	µg/L
			alpha-Chlordane	5103-71-9	0.05	µg/L
			beta-BHC	319-85-7	0.05	µg/L
			Chlordane	57-74-9	0.5	µg/L
			delta-BHC	319-86-8	0.05	µg/L
			Dieldrin	60-57-1	0.05	µg/L
			Endosulfan I	959-98-8	0.05	µg/L
			Endosulfan II	33213-65-9	0.05	µg/L
			Endosulfan sulfate	1031-07-8	0.05	µg/L
			Endrin	72-20-8	0.05	µg/L
			Endrin aldehyde	7421-93-4	0.05	µg/L
			Endrin ketone	53494-70-5	0.05	µg/L
			gamma-BHC (Lindane)	58-89-9	0.05	µg/L
			gamma-Chlordane	5103-74-2	0.05	µg/L
			Heptachlor	76-44-8	0.05	µg/L
			Heptachlor epoxide	1024-57-3	0.05	µg/L
			Methoxychlor	72-43-5	0.1	µg/L
			Toxaphene	8001-35-2	2	µg/L
Polychlorinated Biphenyls	EPA 1668	EPA 1668	PCB-77	32598-13-3	20	pg/L
			PCB-81	70362-50-4	20	pg/L
			PCB-105	32598-14-4	20	pg/L
			PCB-114	74472-37-0	20	pg/L
			PCB-118	31508-00-6	20	pg/L
			PCB-123	65510-44-3	20	pg/L
			PCB-126	57465-28-8	20	pg/L
			PCB-156	38380-08-4	20	pg/L
			PCB-157	69782-90-7	20	pg/L
			PCB-167	52663-72-6	20	pg/L
			PCB-169	32774-16-6	20	pg/L
			PCB-189	39635-31-9	20	pg/L
			PCB-209	2051-24-3	20	pg/L
Polynuclear Aromatic Hydrocarbons	EPA 3510C	EPA 8270SIM	Acenaphthene	83-32-9	5	µg/L
			Acenaphthylene	208-96-8	5	µg/L
			Anthracene	120-12-7	5	µg/L
			Benzo(a)anthracene	56-55-3	5	µg/L
			Benzo(a)pyrene	50-32-8	5	µg/L
			Benzo(b)fluoranthene	205-99-2	5	µg/L
			Benzo(g,h,i)perylene	191-24-2	5	µg/L
			Benzo(k)fluoranthene	207-08-9	5	µg/L
			Chrysene	218-01-9	5	µg/L
			Dibenzo(a,h)anthracene	53-70-3	5	µg/L
			Indeno(1,2,3-cd)pyrene	193-39-5	5	µg/L
			Phenanthrene	85-01-8	5	µg/L
			Pyrene	129-00-0	5	µg/L

TABLE 2-4
ANALYTES INCLUDED IN CAMU AREA MONITORING PROGRAM
1ST AND 2ND QUARTER 2009 GROUNDWATER MONITORING EVENTS
CAMU AREA, CLARK COUNTY, NEVADA

Parameter of Interest	Preparation Method	Analytical Method	Compound List	CAS Number	Laboratory Limits	
Radionuclides	HASL 300	EPA 903.1	Radium-226	13982-63-3	1.0	pCi/L
		EPA 904.0	Radium-228	15262-20-1	1.0	pCi/L
	HASL 300 (Total Dissolution)	HASL A-01-R	Thorium-228	14274-82-9	1.0	pCi/L
			Thorium-230	14269-63-7	1.0	pCi/L
			Thorium-232	7440-29-1	1.0	pCi/L
	HASL 300 (Total Dissolution)		Uranium-233/234	U-233/234	1.0	pCi/L
			Uranium-235/236	U-235/236	1.0	pCi/L
			Uranium-238	7440-61-1	1.0	pCi/L
Radon	SM7500	SM7500	Radon-222	14859-67-7	10	pCi/L
Semivolatile Organic Compounds	EPA 3510C	EPA 8270C	1,2,4,5-Tetrachlorobenzene	95-94-3	10	µg/L
			1,2-Diphenylhydrazine	122-66-7	10	µg/L
			1,4-Dioxane	123-91-1	10	µg/L
			2,4,5-Trichlorophenol	95-95-4	10	µg/L
			2,4,6-Trichlorophenol	88-06-2	10	µg/L
			2,4-Dichlorophenol	120-83-2	10	µg/L
			2,4-Dimethylphenol	105-67-9	10	µg/L
			2,4-Dinitrophenol	51-28-5	50	µg/L
			2,4-Dinitrotoluene	121-14-2	10	µg/L
			2,6-Dinitrotoluene	606-20-2	10	µg/L
			2-Chloronaphthalene	91-58-7	10	µg/L
			2-Chlorophenol	95-57-8	10	µg/L
			2-Methylnaphthalene	91-57-6	10	µg/L
			2-Nitroaniline	88-74-4	50	µg/L
			2-Nitrophenol	88-75-5	10	µg/L
			3,3-Dichlorobenzidine	91-94-1	50	µg/L
			3-Nitroaniline	99-09-2	50	µg/L
			2,2'-/4,4'-Dichlorobenzil	3457-46-3	10	µg/L
			4-Bromophenyl phenyl ether	101-55-3	10	µg/L
			4-Chloro-3-methylphenol	59-50-7	10	µg/L
			4-Chlorophenyl phenyl ether	7005-72-3	10	µg/L
			4-Chlorothioanisole	123-09-1	50	µg/L
			4-Chlorothiophenol	106-54-7	10	µg/L
			4-Nitroaniline	100-01-6	50	µg/L
			4-Nitrophenol	100-02-7	50	µg/L
			Acetophenone	98-86-2	10	µg/L
			Aniline	62-53-3	10	µg/L
			Benzoic acid	65-85-0	50	µg/L
			Benzyl alcohol	100-51-6	10	µg/L
			bis(2-Chloroethoxy)methane	111-91-1	10	µg/L
			bis(2-Chloroethyl) ether	111-44-4	10	µg/L
			bis(2-Chloroisopropyl) ether	108-60-1	10	µg/L
			bis(2-Ethylhexyl) phthalate	117-81-7	10	µg/L
			bis(p-Chlorophenyl) sulfone	80-07-9	10	µg/L
			bis(p-Chlorophenyl)disulfide	1142-19-4	10	µg/L
			Butylbenzylphthalate	85-68-7	10	µg/L
			Carbazole	86-74-8	10	µg/L
			Dibenzofuran	132-64-9	10	µg/L
			Diethyl phthalate	84-66-2	10	µg/L
			Dimethyl phthalate	131-11-3	10	µg/L
			Di-n-butyl phthalate	84-74-2	10	µg/L
			Di-n-octyl phthalate	117-84-0	10	µg/L
			Diphenyl disulfide	882-33-7	10	µg/L
			Diphenyl sulfide	139-66-2	10	µg/L
			Diphenyl sulfone	127-63-9	10	µg/L
			Fluoranthene	206-44-0	10	µg/L
			Fluorene	86-73-7	10	µg/L
			Hexachlorobenzene	118-74-1	50	µg/L

TABLE 2-4
ANALYTES INCLUDED IN CAMU AREA MONITORING PROGRAM
1ST AND 2ND QUARTER 2009 GROUNDWATER MONITORING EVENTS
CAMU AREA, CLARK COUNTY, NEVADA

Parameter of Interest	Preparation Method	Analytical Method	Compound List	CAS Number	Laboratory Limits	
Semivolatile Organic Compounds (continued)	EPA 3510C		Hexachlorobutadiene	87-68-3	50	µg/L
			Hexachlorocyclopentadiene	77-47-4	50	µg/L
			Hexachloroethane	67-72-1	10	µg/L
			Hydroxymethyl phthalimide	118-29-6	10	µg/L
			Isophorone	78-59-1	10	µg/L
			m,p-Cresol	106-44-5	20	µg/L
			Naphthalene	91-20-3	10	µg/L
			Nitrobenzene	98-95-3	10	µg/L
			N-nitrosodi-n-propylamine	621-64-7	10	µg/L
			o-Cresol	95-48-7	10	µg/L
			Octachlorostyrene	29082-74-4	10	µg/L
			p-Chloroaniline (4-Chloroaniline)	106-47-8	10	µg/L
			Pentachlorobenzene	608-93-5	10	µg/L
			Pentachlorophenol	87-86-5	50	µg/L
			Phenol	108-95-2	10	µg/L
			Pyridine	110-86-1	20	µg/L
			Thiophenol	108-98-5	10	µg/L
			Tentatively Identified Compounds (TICs)		NA	µg/L
Volatile Organic Compounds	EPA 5030B	EPA 8260B	1,1,1,2-Tetrachloroethane	630-20-6	1	µg/L
			1,1,1-Trichloroethane	71-55-6	1	µg/L
			1,1,2,2-Tetrachloroethane	79-34-5	1	µg/L
			1,1,2-Trichloroethane	79-00-5	1	µg/L
			1,1-Dichloroethane	75-34-3	1	µg/L
			1,1-Dichloroethene	75-35-4	1	µg/L
			1,1-Dichloropropene	563-58-6	1	µg/L
			1,2,3-Trichlorobenzene	87-61-6	1	µg/L
			1,2,3-Trichloropropane	96-18-4	1	µg/L
			1,2,4-Trichlorobenzene	120-82-1	1	µg/L
			1,2,4-Trimethylbenzene	95-63-6	1	µg/L
			1,2-Dichlorobenzene	95-50-1	1	µg/L
			1,2-Dichloroethane	107-06-2	1	µg/L
			1,2-Dichloropropane	78-87-5	1	µg/L
			1,3,5-Trichlorobenzene	108-70-3	5	µg/L
			1,3,5-Trimethylbenzene	108-67-8	1	µg/L
			1,3-Dichlorobenzene	541-73-1	1	µg/L
			1,3-Dichloropropane	142-28-9	1	µg/L
			1,4-Dichlorobenzene	106-46-7	1	µg/L
			2,2-Dichloropropane	594-20-7	1	µg/L
			2,2-Dimethylpentane	590-35-2	1	µg/L
			2,2,3-Trimethylbutane	464-06-2	1	µg/L
			2,3-Dimethylpentane	565-59-3	1	µg/L
			2,4-Dimethylpentane	108-08-7	1	µg/L
			2-Chlorotoluene	95-49-8	1	µg/L
			2-Hexanone	591-78-6	5	µg/L
			2-Methylhexane	591-76-4	1	µg/L
			2-Nitropropane	79-46-9	10	µg/L
			3,3-Dimethylpentane	562-49-2	1	µg/L
			3-Ethylpentane	617-78-7	10	µg/L
			3-Methylhexane	589-34-4	10	µg/L
			4-Chlorotoluene	106-43-4	1	µg/L
			4-Methyl-2-pentanone (MIBK)	108-10-1	5	µg/L
			Acetone	67-64-1	2	µg/L
			Acetonitrile	75-05-8	10	µg/L
			Benzene	71-43-2	1	µg/L
			Bromobenzene	108-86-1	1	µg/L
			Bromodichloromethane	75-27-4	1	µg/L
			Bromoform	75-25-2	1	µg/L

TABLE 2-4
ANALYTES INCLUDED IN CAMU AREA MONITORING PROGRAM
1ST AND 2ND QUARTER 2009 GROUNDWATER MONITORING EVENTS
CAMU AREA, CLARK COUNTY, NEVADA
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Parameter of Interest	Preparation Method	Analytical Method	Compound List	CAS Number	Laboratory Limits	
Volatile Organic Compounds (continued)	EPA 5030B		Bromomethane	74-83-9	2	µg/L
			Carbon disulfide	75-15-0	1	µg/L
			Carbon tetrachloride	56-23-5	1	µg/L
			Chlorobenzene	108-90-7	1	µg/L
			Chlorobromomethane	74-97-5	1	µg/L
			Chlorodibromomethane	124-48-1	1	µg/L
			Chloroethane	75-00-3	2	µg/L
			Chloroform	67-66-3	1	µg/L
			Chloromethane	74-87-3	2	µg/L
			cis-1,2-Dichloroethene	156-59-2	1	µg/L
			cis-1,3-Dichloropropene	10061-01-5	1	µg/L
			Cymene (Isopropyltoluene)	99-87-6	1	µg/L
			Dibromochloroethane	73506-94-2	1	µg/L
			Dibromochloropropane	96-12-8	1	µg/L
			Dibromomethane	74-95-3	1	µg/L
			Dichloromethane (Methylene chloride)	75-09-2	1	µg/L
			Dimethyldisulfide	624-92-0	5	µg/L
			Ethanol	64-17-5	250	µg/L
			Ethylbenzene	100-41-4	1	µg/L
			Freon-11 (Trichlorofluoromethane)	75-69-4	1	µg/L
			Freon-113 (1,1,2-Trifluoro-1,2,2-trichloroethane)	76-13-1	1	µg/L
			Freon-12 (Dichlorodifluoromethane)	75-71-8	2	µg/L
			Heptane	142-82-5	1	µg/L
			Isoheptane (same as 2-Methylhaxane)	31394-54-4	1	µg/L
			Isopropylbenzene	98-82-8	1	µg/L
			m,p-Xylene	mp-XYL	2	µg/L
			Methyl ethyl ketone (2-Butanone)	78-93-3	5	µg/L
			Methyl iodide	74-88-4	2	µg/L
			MTBE (Methyl tert-butyl ether)	1634-04-4	2	µg/L
			n-Butylbenzene	104-51-8	1	µg/L
			n-Propylbenzene	103-65-1	1	µg/L
			Nonanal	124-19-6	5	µg/L
			o-Xylene	95-47-6	1	µg/L
			sec-Butylbenzene	135-98-8	1	µg/L
			Styrene	100-42-5	1	µg/L
			tert-Butylbenzene	98-06-6	1	µg/L
			Tetrachloroethene	127-18-4	1	µg/L
			Toluene	108-88-3	1	µg/L
			trans-1,2-Dichloroethene	156-60-5	1	µg/L
			trans-1,3-Dichloropropene	10061-02-6	1	µg/L
			Trichloroethene	79-01-6	1	µg/L
			Vinyl acetate	108-05-4	2	µg/L
			Vinyl chloride	75-01-4	2	µg/L
			Xylenes (total)	1330-20-7	3	µg/L
			Tentatively Identified Compounds (TICs)		NA	µg/L
Water Quality Parameters	EPA 130.2	EPA 130.2	Hardness, total	Hardness	5	mg/L
	EPA 160.1	EPA 160.1	Total dissolved solids	TDS	5	mg/L
	EPA 310.1	EPA 310.1	Alkalinity, Total (as $CACO_3$)	ALK	5	mg/L
			Bicarbonate alkalinity	71-52-3	5	mg/L
			Carbonate alkalinity	3812-32-6	5	mg/L
			Hydroxide alkalinity	OH-ALK	5	mg/L
White Phosphorus	EPA 7580M	EPA 7580M	White phosphorus	12185-10-3	5E-05	mg/L
Methyl Mercury	EPA 1630	EPA 1630	Methyl mercury	22967-92-6	2E-08	mg/L

Reporting Limits - Based on laboratory limits for primary laboratories (TestAmerica and GEL).
Laboratory limits are subject to matrix interferences and may not always be achieved in all samples.
The laboratory will be instructed to report the top 25 Tentatively Identified Compounds (TICs) under method 8260B and 8270C.
NA = Not applicable.

TABLE 2-5
SAMPLING REQUIREMENTS
1ST AND 2ND QUARTER 2009 GROUNDWATER MONITORING EVENTS
CAMU AREA, CLARK COUNTY, NEVADA

Method Class	Compound	Groundwater	
		Holding Time	**Container/ Preservative**
Ions	Bromide	28 days	250-mL poly (unpreserved)
	Bromine		
	Chlorate		
	Chloride		
	Chlorite		
	Fluoride		
	Iodide		
	Nitrate	48 hours	
	Nitrite		
	Orthophosphate		
	Sulfate	28 days	
	Perchlorate		
	Ion Balance	NA	NA
Dioxins/Furans	See Table 2-4	30 days to extraction, 45 days to analysis	1-L amber (unpreserved)
Metals	See Table 2-4	180 days	500-mL poly (HNO_3)
	Hexavalent Chromium	24 hours	250 mL poly (unpreserved)
	Mercury	28 days	500-mL poly (HNO_3)
Organochlorine Pesticides	See Table 2-4	7 days to extraction, 40 days to analysis	1-L amber (unpreserved)
Polychlorinated Biphenyls	See Table 2-4	1 year to extraction, 45 days to analysis	1-L amber (unpreserved)
Polynuclear Aromatic Hydrocarbons	See Table 2-4	7 days to extraction, 40 days to analysis	1-L amber (unpreserved)
Radionuclides	See Table 2-4	6 months	4-L poly (HNO_3)
Semivolatile Organic Compounds	See Table 2-4	7 days to extraction, 40 days to analysis	1-L amber (unpreserved)
Volatile Organic Compounds	See Table 2-4	14 days	40-mL VOAs (HCl)
Water Quality Parameters	Hardness	6 months	1-L poly (HNO_3)
	Conductivity	28 days	1-L poly (unpreserved)
	Total Dissolved Solids	7 days	
	Alkalinity	14 days	
White Phosphorus	White Phosphorus	30 days	500 ml amber (unpreserved)
Methyl Mercury	Methyl Mercury	48 hrs to preserve, 6 months to analysis	500-mL fluoro-polymer or boro-silicate bottle (HCl)

Note: A number of the methods (8270, 8081, 8082, 8151, and 8310) require addition of $Na_2S_2O_3$ if residual chlorine is present. This may be unnecessary for groundwater but is noted here for completeness.

TABLE 2-6
DATA VALIDATION QUALIFIERS AND REASON CODES
1ST AND 2ND QUARTER 2009 GROUNDWATER MONITORING EVENTS
CAMU AREA, CLARK COUNTY, NEVADA

Laboratory Qualifier	Definition
U	Organic and inorganic analyses: the analyte was not detected above the level of the reported sample quantitation limit.
B	Inorganic analyses: the analyte was detected between the method detection limit and the sample quantitation limit. Organic analyses: the analyte was detected in the associated method blank.
J	Organic analyses: the analyte was detected between the method detection limit and the sample quantitation limit.
E	Organic and inorganic analyses: the sample concentration was greater than the calibration's upper limit and should be considered to be an estimated value.
*	Inorganic analyses: the analytical duplicate precision was not within control limits.
N	Inorganic analyses: the matrix spike was not within control limits.
D	Organic and inorganic analyses: the sample result was diluted.

Functional Guidelines Validation Qualifier	Definition
J	The result is an estimated quantity. the associated numerical value is the approximate concentration of the analyte in the sample.
U	The analyte was detected, but qualified as nondetected during data validation due to blank contamination.
UJ	The nondetected analyte was qualified as estimated at the sample quantitation limit. The reported sample quantitation limit is approximate and may be inaccurate or imprecise.
R	The sample result is rejected and unusable due to serious deficiencies in meeting quality control criteria. The analyte may or may not be present in the sample.
J+	Inorganics analyses: the result is an estimated quantity, biased high. The associated numerical value is the approximate concentration of the analyte in the sample.
J-	Inorganics analyses: the result is an estimated quantity, biased low. The associated numerical value is the approximate concentration of the analyte in the sample.

TABLE 2-6
DATA VALIDATION QUALIFIERS AND REASON CODES
1ST AND 2ND QUARTER 2009 GROUNDWATER MONITORING EVENTS
CAMU AREA, CLARK COUNTY, NEVADA

Project- Specific Validation Qualifier	Definition
X	The analytical result is not used for reporting because a more accurate and precise result is reported in its place.
Z	The associated data has not been subjected to the data review/validation process.
J+	Organics analyses: the result is an estimated quantity, biased high. The associated numerical value is the approximate concentration of the analyte in the sample.
J-	Organics analyses: the result is an estimated quantity, biased low. The associated numerical value is the approximate concentration of the analyte in the sample.
J-TDS	Inorganic analysis: the analytical result is estimated based on failure of Total Dissolved Solids (TDS) correctness check performed in accordance with Standard Methods (see Section 5.1)
J-CAB	Inorganic analysis: the analytical result is estimated based on failure of cation-anion balance correctness check performed in accordance with Standard Methods
J-TDS&CAB	Inorganic analysis: the analytical result is unreliable based on failure of cation-anion balance and TDS correctness checks performed in accordance with Standard Methods.

Validation Reason Code	Definition
1	The sample preparation and/or analytical holding time was exceeded.
2[#]	The analyte was detected below the report limit but above the method detection limit.
3	The analyte was detected in an associated laboratory blank sample.
4	The MS/MSD recovery was outside of control limits.
5	The LCS recovery was outside of control limits.
6[##]	The MS/MSD RPD was outside of control limits.
7[##]	The LCS RPD was outside of control limits.
8	The surrogate recovery was outside of control limits.
9[##]	Level IV data validation qualification.
10	The sample chromatogram did not resemble the standard hydrocarbon pattern.
11	The sample concentration was greater than the instrument's calibration range.
12	The calibration criterion of RRF, %D, and/or %RSD was not met.

TABLE 2-6
DATA VALIDATION QUALIFIERS AND REASON CODES
1ST AND 2ND QUARTER 2009 GROUNDWATER MONITORING EVENTS
CAMU AREA, CLARK COUNTY, NEVADA

Validation Reason Code	Definition
13	The analyte was detected in field blank, rinsate blank, and/or trip blank sample.
14	The internal standards did not meet control criteria.
15	The serial dilution did not meet control criteria.
16	The difference between columns did not meet control criteria.
17	Field duplicates did not meet the 50% RPD control criterion.
18	Sample receipt temperature exceeded the acceptable range of from 4 to 6 degrees Celsius.
19	Analytical duplicate precision did not meet control criteria.
20	Headspace in vials containing water samples to be analyzed for volatiles.
21	The tracer yields did not meet control criteria.
22	The ratio of the measured TDS value to the mathematically calculated TDS sum was outside the specified error range (the cation-anion balance was within the error limits specified in Standard Methods).
23	The cation-anion balance was outside the error limits specified in Standard Methods (the ratio of the measured TDS value to the mathematically calculated TDS sum was within the specified error range).
24	The cation-anion balance was outside the error limits specified in Standard Methods, and the ratio of the measured TDS value to the mathematically calculated TDS sum was outside the specified error range.
25	Other

[#] This reason code is applied to data entries with lab qualifiers J or B, as defined above.

[##] These reason codes were used in the validation of historical data and will not be used in current and future site investigations.

TABLE 3-1
HISTORICAL GROUNDWATER ELEVATION DATA
1ST AND 2ND QUARTER 2009 GROUNDWATER MONITORING EVENTS
CAMU AREA, CLARK COUNTY, NEVADA

Well ID	Well Installation Date	Surface Elevation (ft.-amsl)	Northing	Easting	Top of Casing Elevation (ft.-amsl)	Date Measured	Depth to Water (ft.-btoc)	Groundwater Elevation (ft.-amsl)
AA-BW-01A	03/10/05	1752.84	26719802.79	826112.39	1754.56	4/1/2005	39.18	1715.38
						10/22/2007	39.97	1714.59
						1/19/2009	39.68	1714.88
						4/27/2009	39.71	1714.85
AA-BW-02A	03/08/05	1746.78	26720214.67	26720214.67	1748.80	4/1/2005	41.78	1707.02
						10/22/2007	41.79	1707.01
						1/19/2009	41.61	1707.19
						4/27/2009	41.96	1706.84
AA-BW-03A	03/02/05	1739.48	26720593.46	825973.66	1741.63	4/1/2005	39.86	1701.77
						10/22/2007	39.85	1701.78
						1/21/2009	39.67	1701.96
						4/28/2009	39.85	1701.78
AA-BW-04A	02/24/05	1729.47	26721142.81	825492.25	1731.49	4/1/2005	38.18	1693.31
						10/22/2007	38.53	1692.96
						1/26/2009	38.17	1693.32
						4/20/2009	37.95	1693.54
AA-BW-05A	02/12/05	1729.21	26721183.83	825065.41	1731.40	4/1/2005	35.31	1696.09
						10/22/2007	34.08	1697.32
						1/23/2009	33.77	1697.63
						4/21/2009	33.60	1697.80
AA-BW-06A	03/10/05	1729.28	26721238.26	824476.16	1731.40	4/1/2005	34.22	1697.18
						10/22/2007	33.40	1698.00
						1/27/2009	32.89	1698.51
						4/22/2009	32.63	1698.77
AA-BW-07A	02/28/05	1739.89	26720637.98	823979.46	1741.73	4/1/2005	39.97	1701.76
						10/22/2007	39.92	1701.81
						1/21/2009	39.42	1702.31
						4/23/2009	39.28	1702.45

TABLE 3-1
HISTORICAL GROUNDWATER ELEVATION DATA
1ST AND 2ND QUARTER 2009 GROUNDWATER MONITORING EVENTS
CAMU AREA, CLARK COUNTY, NEVADA

Well ID	Well Installation Date	Surface Elevation (ft.-amsl)	Northing	Easting	Top of Casing Elevation (ft.-amsl)	Date Measured	Depth to Water (ft.-btoc)	Groundwater Elevation (ft.-amsl)
AA-BW-08A	03/15/05	1761.28	26719492.77	825332.70	1763.18	4/1/2005	51.80	1711.38
						10/22/2007	51.18	1712.00
						1/20/2009	51.09	1712.09
						4/16/2009	50.92	1712.26
						4/28/2009	50.89	1712.29
AA-BW-08B	03/17/05	1761.47	26719495.75	825289.89	1763.63	4/1/2005	52.41	1711.22
						10/22/2007	51.83	1711.80
						1/30/2009	51.67	1711.96
						4/16/2009	51.53	1712.10
						4/28/2009	51.46	1712.17
AA-BW-09A	03/11/05	1761.59	26719455.90	825703.31	1763.12	4/1/2005	48.37	1714.75
						10/22/2007	48.92	1714.20
						1/20/2009	48.82	1714.30
						4/29/2009	48.75	1714.37
AA-BW-12A	02/15/05	1776.54	26718772.36	824440.21	1778.54	4/1/2005	53.07	1725.47
						10/22/2007	51.53	1727.01
						4/16/2009	50.81	1727.73
AA-MW-07	9/12/06	1761.91	26719344.40	826126.54	1764.22	1/22/2009	38.85	1725.37
						4/15/2009	38.71	1725.51
						4/24/2009	38.67	1725.55
EC-2	2/10/98	1770.00	26719453.56	825069.70	1771.43	1/22/2009	56.19	1715.24
						1/28/2009	56.20	1715.23
						4/14/2009	56.03	1715.40
						4/15/2009	56.07	1715.36
						4/24/2009	55.98	1715.45
H-21R	—	1729.64	26721148.51	824914.54	1730.35	1/23/2009	32.04	1698.31
						4/16/2009	31.91	1698.44
						4/20/2009	31.87	1698.48

TABLE 3-1
HISTORICAL GROUNDWATER ELEVATION DATA
1ST AND 2ND QUARTER 2009 GROUNDWATER MONITORING EVENTS
CAMU AREA, CLARK COUNTY, NEVADA

Well ID	Well Installation Date	Surface Elevation (ft.-amsl)	Northing	Easting	Top of Casing Elevation (ft.-amsl)	Date Measured	Depth to Water (ft.-btoc)	Groundwater Elevation (ft.-amsl)
H-28	2/18/80	1729.10	26721024.80	825845.21	1732.90	1/24/2009	39.03	1693.87
						1/28/2009	39.05	1693.85
						4/13/2009	38.75	1694.15
						4/22/2009	38.73	1694.17
H-43	2/28/80	1728.20	26721179.60	824660.68	1731.22	1/27/2009	32.62	1698.60
						4/13/2009	32.40	1698.82
						4/21/2009	32.41	1698.81
M7B	12/1/98	1730.35	26720979.66	826106.50	1732.83	1/28/2009	36.17	1696.66
						4/23/2009	36.09	1696.74
MC-80	8/9/83	1726.50	26721174.00	825675.06	INA	1st Qrtr 2009	WNL	- -
						2nd Qrtr 2009	WNL	- -
MC-MW-10	9/21/06	1801.21	26717919.06	825523.88	1803.91	1st Qrtr 2009	WNM	- -
						4/15/2009	56.83	1747.08
MC-MW-11	9/26/06	1801.94	26717766.00	824860.15	1804.50	1st Qrtr 2009	WNM	- -
						4/15/2009	57.91	1746.59
MC-MW-12	11/13/06	1797.38	26717903.04	826293.89	1800.04	1st Qrtr 2009	WNM	- -
						4/15/2009	41.54	1758.50
MCF-BW-08	3/14/05	1761.52	26719495.15	825299.59	1763.39	1/30/2009	49.98	1713.41
						4/27/2009	50.05	1713.34
MCF-BW-11A	3/23/05	1776.18	26718693.95	824044.54	1778.38	1st Qrtr 2009	WNM	- -
						4/16/2009	48.55	1729.83
MW-8	8/27/04	1800.95	26717925.04	825564.56	1803.63	1st Qrtr 2009	WNM	- -
						2nd Qrtr 2009	WNM	- -
P1 (Pending)	—	—	—	—	—	1st Qrtr 2009	WNM	- -
						2nd Qrtr 2009	WNM	- -
P2 (Pending)	—	—	—	—	—	1st Qrtr 2009	WNM	- -
						2nd Qrtr 2009	WNM	- -
P3 (Pending)	—	—	—	—	—	1st Qrtr 2009	WNM	- -
						2nd Qrtr 2009	WNM	- -

TABLE 3-1
HISTORICAL GROUNDWATER ELEVATION DATA
1ST AND 2ND QUARTER 2009 GROUNDWATER MONITORING EVENTS
CAMU AREA, CLARK COUNTY, NEVADA
(Page 4 of 4)

Well ID	Well Installation Date	Surface Elevation (ft.-amsl)	Northing	Easting	Top of Casing Elevation (ft.-amsl)	Date Measured	Depth to Water (ft.-btoc)	Groundwater Elevation (ft.-amsl)
TR-11	10/1/99	1714.80	26721918.29	825422.57	1717.12	1st Qrtr 2009	WNM	- -
						4/15/2009	-9.23	1726.35
TR-12	10/1/99	1693.44	26723271.82	825286.37	1695.84	1st Qrtr 2009	WNM	- -
						4/16/2009	-4.61	1700.45

Notes:
amsl - Above mean sea level
WNL - Well Not Located
WNM - Well Not Measured

TABLE 3-2a
GROUNDWATER SUMMARY OF SAMPLE RESULTS–1ST AND 2ND QUARTER 2009 CAMU EVENTS (COMBINED)
1ST AND 2ND QUARTER 2009 GROUNDWATER MONITORING EVENTS
CAMU AREA, CLARK COUNTY, NEVADA

Parameter of Interest	Compound List	Units	Total Count	Detect Freq.	Censored (Non-Detect) Data							Detected Data[a]							MCL	Count of Detects > MCL	Water BCL	Count of Detects > BCL
					Count	Min	Q1	Median	Mean	Q3	Max	Count	Min	Q1	Median	Mean	Q3	Max				
Dioxins/Furans	1,2,3,4,6,7,8-Heptachlorodibenzofuran	pg/L	25	4%	24	1.1	2	3.5	4.1	4.125	25	1	3	--	3	3	--	3	--	--	--	--
	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	pg/L	25	0%	25	1.5	2.2	5.5	3.9	3.9	56	0	--	--	--	--	--	--	--	--	--	--
	1,2,3,4,7,8,9-Heptachlorodibenzofuran	pg/L	25	4%	24	1.3	2	2.5	2.5	2.5	13	1	0.66	--	0.66	0.66	--	0.66	--	--	--	--
	1,2,3,4,7,8-Hexachlorodibenzofuran	pg/L	25	4%	24	2.4	2.9	3.4	4.2	4.2	7.1	1	1.6	--	1.6	1.6	--	1.6	--	--	--	--
	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	pg/L	25	0%	25	1.2	3	3.6	4	4	12	0	--	--	--	--	--	--	--	--	--	--
	1,2,3,6,7,8-Hexachlorodibenzofuran	pg/L	25	0%	25	1.1	2.1	2.2	2.5	2.45	6.4	0	--	--	--	--	--	--	--	--	--	--
	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	pg/L	25	0%	25	0.92	2.6	3	3.2	3.2	9.6	0	--	--	--	--	--	--	--	--	--	--
	1,2,3,7,8,9-Hexachlorodibenzofuran	pg/L	25	0%	25	2.2	2.6	2.9	3.6	3.6	8	0	--	--	--	--	--	--	--	--	--	--
	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	pg/L	25	0%	25	0.95	2.6	3.1	3.4	3.35	10	0	--	--	--	--	--	--	--	--	11	--
	1,2,3,7,8-Pentachlorodibenzofuran	pg/L	25	0%	25	2.2	3.2	3.3	3.8	3.8	10	0	--	--	--	--	--	--	--	--	--	--
	1,2,3,7,8-Pentachlorodibenzo-p-dioxin	pg/L	25	0%	25	3.1	4.5	23	21	21	160	0	--	--	--	--	--	--	--	--	--	--
	2,3,4,6,7,8-Hexachlorodibenzofuran	pg/L	25	0%	25	0.85	2.1	2.1	2.6	2.6	6.8	0	--	--	--	--	--	--	--	--	--	--
	2,3,4,7,8-Pentachlorodibenzofuran	pg/L	25	0%	25	1.1	2.4	2.8	3.5	3.45	11	0	--	--	--	--	--	--	--	--	--	--
	2,3,7,8-Tetrachlorodibenzofuran	pg/L	25	4%	24	1.8	2.3	5.1	3.8	3.75	52	1	3.5	--	3.5	3.5	--	3.5	--	--	--	--
	2,3,7,8-Tetrachlorodibenzo-p-dioxin	pg/L	25	16%	21	2.2	3.8	270	160	159	2400	4	20	25	76	1600	4700	6200	30	3	0.45	4
	Octachlorodibenzodioxin	pg/L	25	4%	24	2.1	4.8	10	9.6	9.625	47	1	1.3	--	1.3	1.3	--	1.3	--	--	--	--
	Octachlorodibenzofuran	pg/L	25	4%	24	2.5	4.1	18	7.8	7.825	280	1	2.8	--	2.8	2.8	--	2.8	--	--	--	--
	TCDD TEQ	pg/L	25	--[b]	--	--	--	--	--	--	--	25	2.8	6.1	9.7	380	140	6257	--	--	--	--
General Chemistry	Bromide	ug/L	34	50%	17	260	2600	2100	2600	2600	5200	17	560	710	890	930	1100	1500	--	--	--	--
	Bromine	ug/L	34	50%	17	5000	50000	40000	50000	50000	100000	17	1100	1400	1800	1900	2200	3000	--	--	--	--
	Chlorate	ug/L	34	12%	30	47	47	240	470	470	470	4	68	74	5700	6000	12000	12400	--	--	--	--
	Chloride	mg/L	34	100%	0	--	--	--	--	--	--	34	1450	3600	6100	7600	9500	30900	--	--	--	--
	Chlorine	mg/L	34	100%	0	--	--	--	--	--	--	34	2900	7100	12000	15000	19000	61700	4	34	4	34
	Chlorite	ug/L	21	5%	20	80	400	490	400	400	2000	1	2100	--	2100	2100	--	2100	1000	1	--	--
	Fluoride	ug/L	34	88%	4	100	100	100	100	100	100	30	410	770	1100	1200	1800	2500	4000	0	4000	0
	Iodide	ug/L	34	32%	23	3000	3000	3600	3000	3000	30000	11	3700	21000	34000	54000	47000	183000	--	--	--	--
	Ion Balance Difference	percent	34	100%	0	--	--	--	--	--	--	34	0.2	1.2	2.3	2.7	3.8	8.7	--	--	--	--
	Nitrate	ug/L	34	21%	27	5	50	35	50	50	50	7	11	18	320	680	1600	1900	10000	0	10000	0
	Nitrite	ug/L	34	0%	34	300	450	1300	1500	1500	6000	0	--	--	--	--	--	--	1000	--	1000	--
	Orthophosphate	ug/L	34	21%	27	50	500	320	500	500	500	7	190	210	410	420	620	710	--	--	--	--
	Perchlorate	ug/L	32	28%	23	10	20	77	50	50	500	9	17.8	36	66	12000	26000	56500	--	--	18	8
	Sulfate	mg/L	34	100%	0	--	--	--	--	--	--	34	965	1200	1700	2000	2200	4740	--	--	--	--
Metals	Aluminum	ug/L	34	47%	18	15	18	25	36	36	72	16	18.9	24	73	150	290	548	--	--	36500	0
	Antimony	ug/L	34	3%	33	0.35	0.35	0.48	0.7	0.7	1.4	1	0.19	--	0.19	0.19	--	0.19	6	0	6	0
	Arsenic	ug/L	34	100%	0	--	--	--	--	--	--	34	23.1	100	140	180	210	630	10	34	10	34
	Barium	ug/L	34	100%	0	--	--	--	--	--	--	34	31.5	38	42	46	53	67.2	2000	0	2000	0
	Beryllium	ug/L	34	0%	34	0.4	0.4	0.54	0.8	0.8	1.6	0	--	--	--	--	--	--	4	--	4	--
	Boron	ug/L	34	100%	0	--	--	--	--	--	--	34	996	1500	1800	2100	2500	4520	--	--	7300	0
	Cadmium	ug/L	34	3%	33	0.2	0.2	0.28	0.4	0.4	0.8	1	0.08	--	0.08	0.08	--	0.08	5	0	5	0
	Calcium	ug/L	34	100%	0	--	--	--	--	--	--	34	223000	340000	390000	540000	690000	1650000	--	--	--	--
	Chromium (Total)	ug/L	34	9%	31	2.5	2.5	3.6	5	5	10	3	1.1	1.1	1.1	1.2	1.5	1.5	100	0	100	0
	Chromium (VI)	ug/L	34	9%	31	3	10	34	30	30	300	3	10.4	10	19	16	19	18.5	100	0	100	0
	Cobalt	ug/L	34	85%	5	0.06	0.1	0.084	0.1	0.1	0.1	29	0.078	0.26	0.64	1.5	1.1	12.5	--	--	11	2
	Copper	ug/L	34	3%	33	2.8	2.8	3.7	5.6	5.6	11	1	6.5	--	6.5	6.5	--	6.5	1300	0	1360	0
	Iron	ug/L	34	94%	2	--	48	48	--	--	48	32	223	510	770	2900	1600	46700	--	--	25600	1
	Lead	ug/L	34	3%	33	0.9	0.9	1.2	1.8	1.8	3.6	1	0.45	--	0.45	0.45	--	0.45	15	0	15	0
	Lithium	ug/L	34	94%	2	--	26	26	--	--	26	32	248	400	500	540	660	1290	--	--	73	32
	Magnesium	ug/L	34	100%	0	--	--	--	--	--	--	34	132000	350000	420000	550000	670000	2150000	--	--	207000	29
	Manganese	ug/L	34	97%	1	--	1.6	1.6	--	--	1.6	33	1.9	270	650	930	1600	2710	--	--	510	19
	Mercury	ug/L	34	3%	33	0.027	0.027	0.027	0.027	0.027	0.027	1	0.029	--	0.029	0.029	--	0.029	2	0	10.95	0
	Molybdenum	ug/L	34	100%	0	--	--	--	--	--	--	34	1.8	16	27	27	32	72.6	--	--	180	0
	Nickel	ug/L	34	97%	1	--	3	3	--	--	3	33	1.2	2.8	3.4	3.7	4.8	7.3	--	--	730	0
	Potassium	ug/L	34	100%	0	--	--	--	--	--	--	34	16400	23000	32000	37000	42000	95800	--	--	--	--
	Selenium	ug/L	34	18%	28	3.5	3.5	5	7	7	14	6	1.4	1.4	5.5	6.3	12	12.2	50	0	50	0
	Silver	ug/L	34	0%	34	0.8	0.8	1.1	1.6	1.6	3.2	0	--	--	--	--	--	--	--	--	180	--
	Sodium	ug/L	34	100%	0	--	--	--	--	--	--	34	834000	1400000	3400000	4300000	6000000	16800000	--	--	--	--
	Strontium	ug/L	34	100%	0	--	--	--	--	--	--	34	5490	10000	16000	18000	21000	50500	--	--	21900	7
	Thallium	ug/L	33	24%	25	0.1	0.1	0.14	0.2	0.2	0.4	8	0.15	0.21	0.41	0.59	0.76	1.9	2	0	2	0
	Tin	ug/L	34	0%	34	0.85	0.85	1.1	1.7	1.7	3.4	0	--	--	--	--	--	--	--	--	21900	--
	Titanium	ug/L	34	59%	14	3	4.5	4.3	6	6	6	20	1.9	3.3	4.5	5.7	7.2	15.5	--	--	146000	0
	Tungsten	ug/L	34	18%	28	0.11	0.11	0.15	0.22	0.22	0.44	6	0.39	3.8	6.3	5.4	7.1	7.8	--	--	270	0
	Uranium	ug/L	34	100%	0	--	--	--	--	--	--	34	0.51	8.7	25	46	60	350	30	11	30	11
	Vanadium	ug/L	34	50%	17	2.4	10	12	20	20	40	17	0.32	4.7	13	44	70	227	--	--	180	1
	Zinc	ug/L	34	9%	31	10	10	14	20	20	40	3	4.2	4.2	24	65	170	168	--	--	11000	0

TABLE 3-2a
GROUNDWATER SUMMARY OF SAMPLE RESULTS–1ST AND 2ND QUARTER 2009 CAMU EVENTS (COMBINED)
1ST AND 2ND QUARTER 2009 GROUNDWATER MONITORING EVENTS
CAMU AREA, CLARK COUNTY, NEVADA

Parameter of Interest	Compound List	Units	Total Count	Detect Freq.	Censored (Non-Detect) Data							Detected Data[a]							MCL	Count of Detects > MCL	Water BCL	Count of Detects > BCL
					Count	Min	Q1	Median	Mean	Q3	Max	Count	Min	Q1	Median	Mean	Q3	Max				
Organochlorine Pesticides	2,4-DDD	ug/L	34	24%	26	0.011	0.011	0.011	0.011	0.011	0.011	8	0.08	0.17	0.2	0.39	0.65	1.2	--	--	--	--
	2,4-DDE	ug/L	34	35%	22	0.009	0.009	0.009	0.009	0.009	0.009	12	0.055	0.24	0.55	0.5	0.76	0.88	--	--	--	--
	4,4-DDD	ug/L	34	0%	34	0.0038	0.0038	0.0038	0.0038	0.0038	0.0038	0	--	--	--	--	--	--	--	--	0.28	--
	4,4-DDE	ug/L	34	3%	33	0.0027	0.0027	0.0027	0.0027	0.0027	0.0027	1	0.3	--	0.3	0.3	--	0.3	--	--	0.2	1
	4,4-DDT	ug/L	34	0%	34	0.0056	0.0056	0.0056	0.0056	0.0056	0.0056	0	--	--	--	--	--	--	--	--	0.2	--
	Aldrin	ug/L	34	6%	32	0.004	0.004	0.004	0.004	0.004	0.004	2	0.13	--	0.3	0.3	--	0.46	--	--	0.004	2
	alpha-BHC	ug/L	33	94%	2	--	0.0025	0.0025	--	--	0.0025	31	0.35	4.4	8.9	63	100	410	--	--	0.011	31
	alpha-Chlordane	ug/L	34	15%	29	0.003	0.003	0.003	0.003	0.003	0.003	5	0.067	0.094	0.23	0.25	0.41	0.53	--	--	--	--
	beta-BHC	ug/L	34	56%	15	0.013	0.013	0.013	0.013	0.013	0.013	19	2	18	29	38	65	89	--	--	0.037	19
	Chlordane	ug/L	34	0%	34	0.18	0.18	0.18	0.18	0.18	0.18	0	--	--	--	--	--	--	2	--	2	--
	delta-BHC	ug/L	34	100%	0	--	--	--	--	--	--	34	0.049	1.5	3.1	5.3	6.3	36	--	--	--	--
	Dieldrin	ug/L	34	9%	31	0.0023	0.0023	0.0023	0.0023	0.0023	0.0023	3	0.22	0.22	0.31	0.31	0.4	0.4	--	--	0.0042	3
	Endosulfan I	ug/L	34	12%	30	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	4	0.097	0.14	0.28	0.27	0.41	0.44	--	--	--	--
	Endosulfan II	ug/L	34	15%	29	0.01	0.01	0.01	0.01	0.01	0.01	5	0.15	0.16	0.23	0.27	0.39	0.54	--	--	--	--
	Endosulfan sulfate	ug/L	34	0%	34	0.017	0.017	0.017	0.017	0.017	0.017	0	--	--	--	--	--	--	--	--	--	--
	Endrin	ug/L	34	0%	34	0.0028	0.0028	0.0028	0.0028	0.0028	0.0028	0	--	--	--	--	--	--	2	--	2	--
	Endrin aldehyde	ug/L	34	15%	29	0.0032	0.0032	0.0032	0.0032	0.0032	0.0032	5	0.071	0.074	0.097	0.23	0.46	0.8	--	--	--	--
	Endrin ketone	ug/L	34	0%	34	0.016	0.016	0.016	0.016	0.016	0.016	0	--	--	--	--	--	--	--	--	--	--
	gamma-Chlordane	ug/L	34	9%	31	0.0027	0.0027	0.0027	0.0027	0.0027	0.0027	3	0.06	0.06	0.074	0.1	0.18	0.18	--	--	--	--
	Heptachlor	ug/L	34	6%	32	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	2	0.15	--	0.2	0.2	--	0.25	0.4	0	0.4	0
	Heptachlor epoxide	ug/L	34	0%	34	0.0032	0.0032	0.0032	0.0032	0.0032	0.0032	0	--	--	--	--	--	--	0.2	--	0.2	--
	Lindane	ug/L	34	71%	10	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	24	0.091	0.25	1.4	7.1	4.3	44	0.2	19	0.2	19
	Methoxychlor	ug/L	34	6%	32	0.005	0.005	0.005	0.005	0.005	0.005	2	0.052	--	0.13	0.13	--	0.2	40	0	40	0
	Toxaphene	ug/L	34	0%	34	0.33	0.33	0.33	0.33	0.33	0.33	0	--	--	--	--	--	--	3	--	3	--
Others	Methyl mercury	ng/L	32	44%	18	0.02	0.02	0.02	0.02	0.02	0.021	14	0.028	0.044	0.2	0.4	0.76	1.41	--	--	3.7	0
	White phosphorus	ug/L	32	0%	32	0.023	0.037	0.037	0.05	0.05	0.05	0	--	--	--	--	--	--	--	--	0.73	--
Polynuclear Aromatic Hydrocarbons	Acenaphthene	ug/L	31	19%	25	0.047	0.048	0.049	0.049	0.0485	0.1	6	0.0512	0.054	0.21	0.18	0.27	0.336	--	--	2190	0
	Acenaphthylene	ug/L	31	0%	31	0.047	0.048	0.049	0.049	0.049	0.1	0	--	--	--	--	--	--	--	--	1100	--
	Anthracene	ug/L	31	3%	30	0.047	0.048	0.049	0.049	0.049	0.1	1	0.0968	--	0.097	0.097	--	0.0968	--	--	11000	0
	Benzo(a)anthracene	ug/L	31	0%	31	0.047	0.048	0.049	0.049	0.049	0.1	0	--	--	--	--	--	--	--	--	0.092	--
	Benzo(a)pyrene	ug/L	31	3%	30	0.047	0.048	0.049	0.049	0.049	0.1	1	0.0759	--	0.076	0.076	--	0.0759	0.2	0	0.2	0
	Benzo(b)fluoranthene	ug/L	31	3%	30	0.047	0.048	0.049	0.049	0.049	0.1	1	0.0727	--	0.073	0.073	--	0.0727	--	--	0.092	0
	Benzo(g,h,i)perylene	ug/L	31	3%	30	0.047	0.048	0.049	0.049	0.049	0.1	1	0.0699	--	0.07	0.07	--	0.0699	--	--	1100	0
	Benzo(k)fluoranthene	ug/L	31	3%	30	0.047	0.048	0.049	0.049	0.049	0.1	1	0.0764	--	0.076	0.076	--	0.0764	--	--	0.92	0
	Chrysene	ug/L	31	0%	31	0.047	0.048	0.049	0.049	0.049	0.1	0	--	--	--	--	--	--	--	--	9.2	--
	Dibenzo(a,h)anthracene	ug/L	31	3%	30	0.047	0.048	0.049	0.049	0.049	0.1	1	0.0899	--	0.09	0.09	--	0.0899	--	--	0.0092	1
	Indeno(1,2,3-cd)pyrene	ug/L	31	3%	30	0.047	0.048	0.049	0.049	0.049	0.1	1	0.0633	--	0.063	0.063	--	0.0633	--	--	0.092	0
	Phenanthrene	ug/L	31	3%	30	0.047	0.048	0.049	0.049	0.049	0.1	1	0.267	--	0.27	0.27	--	0.267	--	--	1100	0
	Pyrene	ug/L	31	3%	30	0.047	0.048	0.049	0.049	0.049	0.1	1	0.0914	--	0.091	0.091	--	0.0914	--	--	1100	0
Polychlorinated Biphenyls	PCB 105	pg/L	24	4%	23	20	20	20	20	20	20	1	26	--	26	26	--	26	--	--	--	--
	PCB 114	pg/L	24	0%	24	20	20	20	20	20	20	0	--	--	--	--	--	--	--	--	--	--
	PCB 118	pg/L	24	29%	17	20	20	20	20	20	20	7	21	21	26	32	50	51	--	--	--	--
	PCB 123	pg/L	24	0%	24	20	20	20	20	20	20	0	--	--	--	--	--	--	--	--	--	--
	PCB 126	pg/L	24	0%	24	20	20	20	20	20	20	0	--	--	--	--	--	--	--	--	--	--
	PCB 156	pg/L	25	0%	25	20	20	20	20	20	20	0	--	--	--	--	--	--	--	--	--	--
	PCB 157	pg/L	25	0%	25	20	20	20	20	20	20	0	--	--	--	--	--	--	--	--	--	--
	PCB 167	pg/L	25	0%	25	20	20	20	20	20	20	0	--	--	--	--	--	--	--	--	--	--
	PCB 169	pg/L	25	0%	25	20	20	20	20	20	20	0	--	--	--	--	--	--	--	--	--	--
	PCB 189	pg/L	25	0%	25	20	20	20	20	20	20	0	--	--	--	--	--	--	--	--	--	--
	PCB 209	pg/L	25	0%	25	20	20	20	20	20	20	0	--	--	--	--	--	--	--	--	--	--
	PCB 77	pg/L	24	0%	24	20	20	20	20	20	20	0	--	--	--	--	--	--	--	--	--	--
	PCB 81	pg/L	24	0%	24	20	20	20	20	20	20	0	--	--	--	--	--	--	--	--	--	--
Radionuclides	Radium-226	pCi/L	32	69%	10	--	--	--	--	--	--	22	0.169	0.79	1.3	2	2.3	9.68	--	--	--	--
	Radium-226/228	pCi/L	32	--	--	--	--	--	--	--	--	32	0.45	1.6	2.7	3.9	4.8	11.9	5	7	--	--
	Radium-228	pCi/L	32	75%	8	--	--	--	--	--	--	24	0.15	0.77	1.2	1.9	2.1	10.4	--	--	--	--
	Radon-222	pCi/L	32	94%	2	--	--	--	--	--	--	30	16.5	260	420	420	560	926	4000	0	300	20
	Thorium-228	pCi/L	17	0%	17	--	--	--	--	--	--	0	-0.229	-0.13	-0.034	-0.026	0.024	0.299	--	--	--	--
	Thorium-230	pCi/L	17	18%	14	--	--	--	--	--	--	3	-0.19	0.05	0.14	0.13	0.21	0.349	--	--	--	--
	Thorium-232	pCi/L	17	0%	17	--	--	--	--	--	--	0	-0.0865	-0.034	-0.0038	0.03	0.1	0.181	--	--	--	--
	Uranium-233/234	pCi/L	17	88%	2	--	--	--	--	--	--	15	-0.03	3.1	10	20	25	156	--	--	--	--
	Uranium-235/236	pCi/L	17	65%	6	--	--	--	--	--	--	11	0.0647	0.23	0.71	1.1	1.5	5.57	--	--	--	--
	Uranium-238	pCi/L	17	100%	0	--	--	--	--	--	--	17	0.299	2.6	8.5	15	18	106	--	--	--	--

TABLE 3-2a
GROUNDWATER SUMMARY OF SAMPLE RESULTS–1ST AND 2ND QUARTER 2009 CAMU EVENTS (COMBINED)
1ST AND 2ND QUARTER 2009 GROUNDWATER MONITORING EVENTS
CAMU AREA, CLARK COUNTY, NEVADA

Parameter of Interest	Compound List	Units	Total Count	Detect Freq.	Censored (Non-Detect) Data							Detected Data[a]							MCL	Count of Detects > MCL	Water BCL	Count of Detects > BCL
					Count	Min	Q1	Median	Mean	Q3	Max	Count	Min	Q1	Median	Mean	Q3	Max				
Semi-Volatile Organic Compounds	1,2,4,5-Tetrachlorobenzene	ug/L	31	10%	28	1.9	1.9	8.6	1.9	1.9	76	3	3.07	3.1	4.2	12	29	28.5	--	--	11	1
	1,2-Diphenylhydrazine	ug/L	31	0%	31	1.9	1.9	8.5	2	2	76	0	--	--	--	--	--	--	--	--	0.084	--
	1,4-Dioxane	ug/L	31	16%	26	0.95	0.96	4.9	1.7	1.7	38	5	1.23	1.3	2.3	3.1	5.3	6.08	--	--	6.1	0
	2,2'-/4,4'-Dichlorobenzil	ug/L	31	0%	31	3.1	3.2	14	3.2	3.2	126	0	--	--	--	--	--	--	--	--	10.95	--
	2,4,5-Trichlorophenol	ug/L	31	19%	25	0.95	0.96	5.1	2.4	2.385	38	6	1.2	1.2	2.9	2.6	3.6	3.66	--	--	3650	0
	2,4,6-Trichlorophenol	ug/L	31	23%	24	1.9	1.9	9.8	2	1.975	76	7	2.61	4	7	15	33	34.2	--	--	6.1	4
	2,4-Dichlorophenol	ug/L	31	45%	17	1.9	1.9	12	1.9	1.9	76	14	2.12	4.9	19	25	34	78.8	--	--	110	0
	2,4-Dimethylphenol	ug/L	31	0%	31	1.9	1.9	8.5	2	2	76	0	--	--	--	--	--	--	--	--	730	--
	2,4-Dinitrophenol	ug/L	31	0%	31	9.4	9.6	43	9.8	9.8	381	0	--	--	--	--	--	--	--	--	73	--
	2,4-Dinitrotoluene	ug/L	31	0%	31	1.9	1.9	8.5	2	2	76	0	--	--	--	--	--	--	--	--	0.22	--
	2,6-Dinitrotoluene	ug/L	31	0%	31	1.9	1.9	8.5	2	2	76	0	--	--	--	--	--	--	--	--	37	--
	2-Chloronaphthalene	ug/L	31	6%	29	0.33	0.34	1.5	0.35	0.345	13	2	2.66	--	2.8	2.8	--	2.98	--	--	2920	0
	2-Chlorophenol	ug/L	31	32%	21	1.9	1.9	9.8	1.9	1.9	76	10	15.9	23	26	37	52	79.4	--	--	180	0
	2-Methylnaphthalene	ug/L	31	13%	27	0.28	0.29	1.3	0.29	0.29	11	4	0.296	0.35	0.58	1.2	2.8	3.45	--	--	--	--
	2-Nitroaniline	ug/L	31	0%	31	1.9	1.9	8.5	2	2	76	0	--	--	--	--	--	--	--	--	110	--
	2-Nitrophenol	ug/L	31	0%	31	1.9	1.9	8.5	2	2	76	0	--	--	--	--	--	--	--	--	--	--
	3,3-Dichlorobenzidine	ug/L	31	0%	31	0.94	0.96	4.3	0.98	0.98	38	0	--	--	--	--	--	--	--	--	0.15	--
	3-Nitroaniline	ug/L	31	0%	31	1.9	1.9	8.5	2	2	76	0	--	--	--	--	--	--	--	--	--	--
	4-Bromophenyl phenyl ether	ug/L	31	0%	31	1.9	1.9	8.5	2	2	76	0	--	--	--	--	--	--	--	--	--	--
	4-Chloro-3-methylphenol	ug/L	31	0%	31	1.9	1.9	8.5	2	2	76	0	--	--	--	--	--	--	--	--	--	--
	4-Chlorophenyl phenyl ether	ug/L	31	0%	31	1.9	1.9	8.5	2	2	76	0	--	--	--	--	--	--	--	--	--	--
	4-Chlorothioanisole	ug/L	31	3%	30	3.1	3.2	14	3.2	3.225	126	1	6.89	--	6.9	6.9	--	6.89	--	--	--	--
	4-Nitroaniline	ug/L	31	0%	31	2.8	2.9	13	2.9	2.9	114	0	--	--	--	--	--	--	--	--	--	--
	4-Nitrophenol	ug/L	31	0%	31	1.9	1.9	8.5	2	2	76	0	--	--	--	--	--	--	--	--	290	--
	Acetophenone	ug/L	31	6%	29	1.9	1.9	9	2	1.95	76	2	2.27	--	2.5	2.5	--	2.77	--	--	3650	0
	Aniline	ug/L	31	0%	31	2.4	2.4	11	2.5	2.5	95	0	--	--	--	--	--	--	--	--	12	--
	Benzenethiol	ug/L	31	48%	16	6.2	6.3	9.7	6.4	6.4	63	15	8.98	16	23	150	120	1120	--	--	--	--
	Benzoic acid	ug/L	31	0%	31	5.7	5.8	26	5.9	5.9	229	0	--	--	--	--	--	--	--	--	146000	--
	Benzyl alcohol	ug/L	31	0%	31	1.9	1.9	8.5	2	2	76	0	--	--	--	--	--	--	--	--	18300	--
	bis(2-Chloroethoxy)methane	ug/L	31	0%	31	2.8	2.9	13	2.9	2.9	114	0	--	--	--	--	--	--	--	--	--	--
	bis(2-Chloroethyl) ether	ug/L	31	0%	31	1.9	1.9	8.5	2	2	76	0	--	--	--	--	--	--	--	--	0.054	--
	bis(2-Chloroisopropyl) ether	ug/L	31	0%	31	1.9	1.9	8.5	2	2	76	0	--	--	--	--	--	--	--	--	0.9	--
	bis(2-Ethylhexyl)phthalate	ug/L	31	0%	31	1.9	1.9	8.5	2	2	76	0	--	--	--	--	--	--	6	--	6	--
	bis(p-Chlorophenyl) sulfone	ug/L	31	3%	30	3.1	3.2	14	3.2	3.2	126	1	48.9	--	49	49	--	48.9	--	--	--	--
	bis(p-Chlorophenyl)disulfide	ug/L	30	33%	20	3.1	3.1	5	3.2	3.2	31	10	3.91	13	27	230	230	1530	--	--	--	--
	Butylbenzyl phthalate	ug/L	31	0%	31	1.9	1.9	8.5	2	2	76	0	--	--	--	--	--	--	--	--	7300	--
	Carbazole	ug/L	31	0%	31	0.19	0.19	0.85	0.2	0.2	7.6	0	--	--	--	--	--	--	--	--	3.4	--
	Dibenzofuran	ug/L	31	0%	31	1.9	1.9	8.5	2	2	76	0	--	--	--	--	--	--	--	--	73	--
	Diethyl phthalate	ug/L	31	0%	31	1.9	1.9	8.5	2	2	76	0	--	--	--	--	--	--	--	--	29200	--
	Dimethyl phthalate	ug/L	31	0%	31	1.9	1.9	8.5	2	2	76	0	--	--	--	--	--	--	--	--	365000	--
	Di-n-butyl phthalate	ug/L	31	0%	31	1.9	1.9	8.5	2	2	76	0	--	--	--	--	--	--	--	--	3650	--
	Di-n-octyl phthalate	ug/L	31	0%	31	2.8	2.9	13	2.9	2.9	114	0	--	--	--	--	--	--	--	--	--	--
	Diphenyl disulfide	ug/L	31	45%	17	3.1	3.1	5.3	3.2	3.2	31	14	3.42	5.1	35	600	820	2790	--	--	--	--
	Diphenyl sulfide	ug/L	31	0%	31	3.1	3.2	14	3.2	3.2	126	0	--	--	--	--	--	--	--	--	--	--
	Diphenyl sulfone	ug/L	31	0%	31	3.1	3.2	14	3.2	3.2	126	0	--	--	--	--	--	--	--	--	110	--
	Diphenylamine	ug/L	31	0%	31	2.8	2.9	13	2.9	2.9	114	0	--	--	--	--	--	--	--	--	910	--
	Fluoranthene	ug/L	31	0%	31	0.19	0.19	0.85	0.2	0.2	7.6	0	--	--	--	--	--	--	--	--	1460	--
	Fluorene	ug/L	31	0%	31	0.19	0.19	0.85	0.2	0.2	7.6	0	--	--	--	--	--	--	--	--	1460	--
	Hexachlorobenzene	ug/L	31	0%	31	1.9	1.9	8.5	2	2	76	0	--	--	--	--	--	--	1	--	1	--
	Hexachlorobutadiene	ug/L	31	0%	31	1.9	1.9	8.5	2	2	76	0	--	--	--	--	--	--	--	--	0.86	--
	Hexachlorocyclopentadiene	ug/L	31	0%	31	1.9	1.9	8.5	2	2	76	0	--	--	--	--	--	--	50	--	50	--
	Hexachloroethane	ug/L	31	0%	31	1.9	1.9	8.5	2	2	76	0	--	--	--	--	--	--	--	--	4.8	--
	Hydroxymethyl phthalimide	ug/L	31	0%	31	3.1	3.2	14	3.2	3.2	126	0	--	--	--	--	--	--	--	--	--	--
	Isophorone	ug/L	31	0%	31	1.9	1.9	8.5	2	2	76	0	--	--	--	--	--	--	--	--	71	--
	m,p-Cresols	ug/L	31	0%	31	2.8	2.9	13	2.9	2.9	114	0	--	--	--	--	--	--	--	--	--	--
	Naphthalene	ug/L	31	26%	23	0.28	0.29	1.6	0.29	0.29	11	8	0.3	0.66	2	1.7	2.4	2.5	--	--	4.3	0
	Nitrobenzene	ug/L	31	0%	31	2.8	2.9	13	2.9	2.9	114	0	--	--	--	--	--	--	--	--	3.7	--
	N-nitrosodi-n-propylamine	ug/L	31	0%	31	1.9	1.9	8.5	2	2	76	0	--	--	--	--	--	--	--	--	0.0096	--
	o-Cresol	ug/L	31	0%	31	1.9	1.9	8.5	2	2	76	0	--	--	--	--	--	--	--	--	1830	--
	Octachlorostyrene	ug/L	31	0%	31	3.1	3.2	14	3.2	3.2	126	0	--	--	--	--	--	--	--	--	--	--

TABLE 3-2a
GROUNDWATER SUMMARY OF SAMPLE RESULTS–1ST AND 2ND QUARTER 2009 CAMU EVENTS (COMBINED)
1ST AND 2ND QUARTER 2009 GROUNDWATER MONITORING EVENTS
CAMU AREA, CLARK COUNTY, NEVADA
(Page 4 of 5)

Parameter of Interest	Compound List	Units	Total Count	Detect Freq.	Censored (Non-Detect) Data							Detected Data[a]							MCL	Count of Detects > MCL	Water BCL	Count of Detects > BCL
					Count	Min	Q1	Median	Mean	Q3	Max	Count	Min	Q1	Median	Mean	Q3	Max				
Semi-Volatile Organic Compounds	p-Chloroaniline	ug/L	31	0%	31	1.9	1.9	8.5	2	2	76	0	--	--	--	--	--	--	--	--	150	--
	p-Chlorobenzenethiol	ug/L	31	48%	16	3.1	3.1	4.8	3.2	3.2	31	15	6.76	15	21	120	140	684	--	--	--	--
	Pentachlorobenzene	ug/L	31	3%	30	1.9	1.9	8.8	2	2	76	1	3.29	--	3.3	3.3	--	3.29	--	--	29	0
	Pentachlorophenol	ug/L	31	16%	26	1.9	1.9	9.6	1.9	1.925	76	5	8.6	10	13	16	24	33.2	1	5	1	5
	Phenol	ug/L	31	23%	24	0.94	0.96	4.8	0.97	0.97	38	7	1.73	1.9	3.2	8	4.1	38.3	--	--	11000	0
	Pyridine	ug/L	31	0%	31	0.94	0.96	4.3	0.98	0.98	38	0	--	--	--	--	--	--	--	--	37	--
Volatile Organic Compounds	1,1,1,2-Tetrachloroethane	ug/L	33	0%	33	0.1	0.1	0.13	0.16	0.16	0.16	0	--	--	--	--	--	--	--	--	2.3	--
	1,1,1-Trichloroethane	ug/L	33	0%	33	0.088	0.099	0.094	0.099	0.099	0.099	0	--	--	--	--	--	--	200	--	200	--
	1,1,2,2-Tetrachloroethane	ug/L	33	0%	33	0.11	0.27	0.19	0.27	0.27	0.27	0	--	--	--	--	--	--	--	--	0.3	--
	1,1,2-Trichloroethane	ug/L	33	48%	17	0.071	0.19	0.14	0.19	0.19	0.19	16	0.22	0.38	2	4.3	4.3	20	5	3	5	3
	1,1,2-Trifluoro-1,2,2-trichloroethane (Freon-113)	ug/L	33	0%	33	0.072	0.072	0.095	0.12	0.12	0.12	0	--	--	--	--	--	--	--	--	876000	--
	1,1-Dichloroethane	ug/L	33	100%	0	--	--	--	--	--	--	33	1.5	7.3	18	25	41	91	--	--	12	20
	1,1-Dichloroethene	ug/L	33	58%	14	0.085	0.11	6.3	0.3	0.295	85	19	0.1	0.3	0.51	0.67	1.2	1.9	7	0	7	0
	1,1-Dichloropropene	ug/L	33	12%	29	0.068	0.087	0.078	0.087	0.087	0.087	4	0.47	0.51	0.87	1.8	4.1	5.1	--	--	--	--
	1,2,3-Trichlorobenzene	ug/L	33	76%	8	0.16	0.64	0.46	0.64	0.64	0.64	25	0.4	2.2	6.5	15	26	72	--	--	--	--
	1,2,3-Trichloropropane	ug/L	33	0%	33	0.22	0.22	0.22	0.23	0.23	0.23	0	--	--	--	--	--	--	--	--	0.034	--
	1,2,4-Trichlorobenzene	ug/L	33	73%	9	0.48	0.79	18	0.79	0.79	160	24	0.24	9.5	44	110	150	530	70	8	70	8
	1,2,4-Trimethylbenzene	ug/L	33	21%	26	0.062	0.066	0.066	0.069	0.069	0.069	7	0.11	0.13	0.37	0.32	0.44	0.46	--	--	51	0
	1,2-Dichlorobenzene	ug/L	33	97%	1	--	0.16	0.16	--	--	0.16	32	0.37	17	170	560	1100	2200	600	11	600	11
	1,2-Dichloroethane	ug/L	33	88%	4	0.18	25	58	150	147.5	180	29	1	3.4	14	23	36	91	5	21	5	21
	1,2-Dichloroethene	ug/L	33	21%	26	0.14	0.21	0.18	0.21	0.21	0.21	7	0.2	0.34	0.58	0.83	1.2	2.2	--	--	--	--
	1,2-Dichloropropane	ug/L	33	30%	23	0.054	0.077	0.067	0.077	0.077	0.077	10	0.074	0.096	0.21	0.23	0.32	0.5	5	0	5	0
	1,3,5-Trichlorobenzene	ug/L	33	48%	17	0.12	0.12	0.12	0.13	0.13	0.13	16	0.13	0.53	0.99	1.1	1.6	2.9	--	--	--	--
	1,3,5-Trimethylbenzene	ug/L	33	18%	27	0.058	0.058	0.083	0.11	0.11	0.11	6	0.12	0.14	0.16	0.18	0.22	0.35	--	--	590	0
	1,3-Dichlorobenzene	ug/L	33	79%	7	0.046	0.046	12	0.081	0.081	81	26	0.21	3.7	19	29	44	130	--	--	110	2
	1,3-Dichloropropane	ug/L	33	0%	33	0.053	0.12	0.088	0.12	0.12	0.12	0	--	--	--	--	--	--	--	--	730	--
	1,4-Dichlorobenzene	ug/L	33	97%	1	--	0.1	0.1	--	--	0.1	32	0.51	20	270	880	1500	3900	75	22	75	22
	2,2,3-Trimethylbutane	ug/L	33	3%	32	0.16	0.2	0.2	0.23	0.23	0.23	1	0.18	--	0.18	0.18	--	0.18	--	--	--	--
	2,2-Dichloropropane	ug/L	33	0%	33	0.084	0.1	0.6	0.1	0.1	8.4	0	--	--	--	--	--	--	--	--	--	--
	2,2-Dimethylpentane	ug/L	33	0%	33	0.093	0.093	0.13	0.16	0.16	0.16	0	--	--	--	--	--	--	--	--	--	--
	2,3-Dimethylpentane	ug/L	33	15%	28	0.11	0.15	0.15	0.18	0.18	0.18	5	0.39	0.5	8.9	8	15	19	--	--	--	--
	2,4-Dimethylpentane	ug/L	33	0%	33	0.14	0.14	0.16	0.19	0.19	0.19	0	--	--	--	--	--	--	--	--	--	--
	2-Chlorotoluene	ug/L	33	64%	12	0.068	0.089	0.089	0.11	0.11	0.11	21	0.088	0.5	0.78	2.2	3.1	12	--	--	730	0
	2-Hexanone	ug/L	33	3%	32	0.08	0.08	0.65	1.3	1.3	1.3	1	1.6	--	1.6	1.6	--	1.6	--	--	--	--
	2-Methylhexane	ug/L	33	27%	24	0.12	0.14	0.14	0.15	0.15	0.15	9	0.41	0.88	1.3	2.9	5	9.9	--	--	--	--
	2-Nitropropane	ug/L	33	0%	33	0.034	0.034	0.55	1.1	1.1	1.1	0	--	--	--	--	--	--	--	--	0.0063	--
	3,3-Dimethylpentane	ug/L	33	27%	24	0.17	0.17	0.18	0.2	0.2	0.2	9	0.41	0.61	0.84	1	1.2	2.5	--	--	--	--
	3-Ethylpentane	ug/L	33	21%	26	0.089	0.11	0.11	0.13	0.13	0.13	7	0.11	0.15	1.3	1.6	2.2	5.1	--	--	--	--
	3-Methylhexane	ug/L	33	27%	24	0.1	0.1	0.13	0.17	0.17	0.17	9	0.29	0.66	1.8	4.1	6.5	17	--	--	--	--
	4-Chlorotoluene	ug/L	33	61%	13	0.068	0.068	0.08	0.095	0.095	0.095	20	0.17	0.41	0.71	2	2.6	11	--	--	--	--
	Acetone	ug/L	31	32%	21	0.49	0.56	6	0.56	0.56	56	10	0.46	0.77	1.3	5.3	6.5	27	--	--	32600	0
	Acetonitrile	ug/L	33	0%	33	4.2	4.2	4.2	4.2	4.2	4.2	0	--	--	--	--	--	--	--	--	440	--
	Benzene	ug/L	33	91%	3	0.032	0.032	0.041	0.06	0.06	0.06	30	1.3	12	1700	19000	43000	83000	5	27	5	27
	Bromobenzene	ug/L	33	36%	21	0.084	0.18	0.14	0.18	0.18	0.18	12	0.11	0.26	0.46	0.71	1.1	2.1	--	--	490	0
	Bromodichloromethane	ug/L	33	21%	26	0.088	0.093	0.12	0.098	0.098	0.88	7	0.35	0.6	0.87	0.81	1.1	1.1	--	--	1.1	0
	Bromoform	ug/L	33	0%	33	0.15	0.27	0.21	0.27	0.27	0.27	0	--	--	--	--	--	--	--	--	8.5	--
	Bromomethane	ug/L	33	0%	33	0.096	0.5	19	0.5	0.5	500	0	--	--	--	--	--	--	--	--	48	--
	Carbon disulfide	ug/L	33	33%	22	0.029	0.52	1.6	0.52	0.52	29	11	0.061	0.98	5	76	15	510	--	--	3520	0
	Carbon tetrachloride	ug/L	33	6%	31	0.042	0.042	0.057	0.073	0.073	0.073	2	0.4	--	0.9	0.9	--	1.4	5	0	5	0
	Chlorobenzene	ug/L	33	97%	1	--	0.48	0.48	--	--	0.48	32	2.2	680	3900	17000	37000	66000	100	29	100	29
	Chlorobromomethane	ug/L	33	0%	33	0.12	0.2	0.16	0.2	0.2	0.2	0	--	--	--	--	--	--	--	--	--	--
	Chloroethane	ug/L	33	39%	20	0.085	0.085	0.085	0.085	0.085	0.085	13	0.13	0.36	0.83	1.2	1.9	3.5	--	--	23	0
	Chloroform	ug/L	33	73%	9	0.067	0.08	0.076	0.08	0.08	0.08	24	0.18	0.95	54	1200	1700	7200	--	--	1.6	16
	Chloromethane	ug/L	33	55%	15	0.036	0.036	0.049	0.086	0.086	0.086	18	0.087	0.21	0.34	0.41	0.53	1.2	--	--	81	0
	cis-1,2-Dichloroethene	ug/L	33	24%	25	0.13	0.14	0.14	0.14	0.14	0.14	8	0.18	0.21	0.29	0.6	1	1.7	70	0	70	0
	cis-1,3-Dichloropropene	ug/L	33	0%	33	0.099	0.099	0.099	0.099	0.099	0.099	0	--	--	--	--	--	--	--	--	--	--
	Cymene	ug/L	33	3%	32	0.04	0.075	0.075	0.11	0.11	0.11	1	0.045	--	0.045	0.045	--	0.045	--	--	--	--
	Dibromochloromethane	ug/L	33	6%	31	0.17	0.17	0.19	0.21	0.21	0.21	2	0.87	--	0.99	0.99	--	1.1	--	--	0.7	2
	Dibromochloropropane	ug/L	33	0%	33	0.2	0.48	0.34	0.48	0.48	0.48	0	--	--	--	--	--	--	0.2	--	0.2	--
	Dibromomethane	ug/L	33	0%	33	0.095	0.14	0.12	0.14	0.14	0.14	0	--	--	--	--	--	--	--	--	370	--
	Dichlorodifluoromethane (Freon-12)	ug/L	33	0%	33	0.058	0.074	0.066	0.074	0.074	0.074	0	--	--	--	--	--	--	--	--	5840	--
	Dichloromethane	ug/L	33	64%	12	0.091	0.1	0.097	0.1	0.1	0.1	21	0.096	0.19	0.93	300	4.7	1900	5	4	5	4
	Dimethyldisulfide	ug/L	32	9%	29	0.089	0.27	0.19	0.27	0.27	0.27	3	1.7	1.7	2.1	3	5.3	5.3	--	--	--	--

TABLE 3-2a
GROUNDWATER SUMMARY OF SAMPLE RESULTS–1ST AND 2ND QUARTER 2009 CAMU EVENTS (COMBINED)
1ST AND 2ND QUARTER 2009 GROUNDWATER MONITORING EVENTS
CAMU AREA, CLARK COUNTY, NEVADA
(Page 5 of 5)

Parameter of Interest	Compound List	Units	Total Count	Detect Freq.	Censored (Non-Detect) Data							Detected Data[a]							MCL	Count of Detects > MCL	Water BCL	Count of Detects > BCL
					Count	Min	Q1	Median	Mean	Q3	Max	Count	Min	Q1	Median	Mean	Q3	Max				
Volatile Organic Compounds	Ethanol	ug/L	33	0%	33	36	36	60	85	85	85	0	--	--	--	--	--	--	--	--	--	--
	Ethylbenzene	ug/L	33	0%	33	0.061	0.061	0.085	0.11	0.11	0.11	0	--	--	--	--	--	--	700	--	700	--
	Heptane	ug/L	33	0%	33	0.08	0.08	0.099	0.12	0.12	0.12	0	--	--	--	--	--	--	--	--	--	--
	Isopropylbenzene	ug/L	33	18%	27	0.032	0.032	0.063	0.096	0.096	0.096	6	0.081	0.095	0.14	0.18	0.23	0.45	--	--	3440	0
	m,p-Xylene	ug/L	33	0%	33	0.19	1.1	0.66	1.1	1.1	1.1	0	--	--	--	--	--	--	--	--	42600	--
	Methyl ethyl ketone	ug/L	33	9%	30	0.83	0.96	0.9	0.96	0.96	0.96	3	1.7	1.7	4.3	10	24	24	--	--	21300	0
	Methyl iodide	ug/L	33	3%	32	0.091	0.21	11	0.33	0.33	330	1	0.48	--	0.48	0.48	--	0.48	--	--	--	--
	Methyl isobutyl ketone	ug/L	33	6%	31	0.32	0.72	0.54	0.72	0.72	0.72	2	1.3	--	1.7	1.7	--	2	--	--	2900	0
	MTBE (Methyl tert-butyl ether)	ug/L	33	0%	33	0.098	0.13	0.11	0.13	0.13	0.13	0	--	--	--	--	--	--	--	--	35	--
	n-Butyl benzene	ug/L	33	15%	28	0.069	0.12	0.096	0.12	0.12	0.12	5	0.07	0.082	0.12	0.13	0.2	0.23	--	--	370	0
	Nonanal	ug/L	33	0%	33	0.007	0.007	0.59	1.2	1.2	1.2	0	--	--	--	--	--	--	--	--	--	--
	n-Propylbenzene	ug/L	33	30%	23	0.029	0.029	0.06	0.093	0.093	0.093	10	0.044	0.14	0.22	0.32	0.51	0.91	--	--	370	0
	o-Xylene	ug/L	33	36%	21	0.055	0.056	0.056	0.056	0.056	0.056	12	0.1	0.23	0.58	1.3	2.6	4.3	--	--	42600	0
	sec-Butylbenzene	ug/L	33	12%	29	0.053	0.053	0.067	0.085	0.085	0.085	4	0.2	0.3	0.65	0.57	0.75	0.76	--	--	370	0
	Styrene	ug/L	33	0%	33	0.042	0.079	0.061	0.079	0.079	0.079	0	--	--	--	--	--	--	100	--	100	--
	tert-Butyl benzene	ug/L	33	0%	33	0.039	0.039	0.073	0.11	0.11	0.11	0	--	--	--	--	--	--	--	--	370	--
	Tetrachloroethene	ug/L	33	73%	9	0.065	0.14	15	36	35.75	65	24	0.082	0.96	4.8	40	32	290	5	12	5	12
	Toluene	ug/L	33	76%	8	0.029	0.07	18	53	52.5175	70	25	0.067	0.19	1.1	6.6	9.7	37	1000	0	1000	0
	Total Trihalomethanes	ug/L	33	73%	9	0.3	0.3	0.3	0.3	0.3	0.3	24	0.4	1.2	54	1200	1700	7201	80	9	--	--
	trans-1,2-Dichloroethene	ug/L	33	27%	24	0.081	0.085	0.085	0.089	0.089	0.089	9	0.092	0.096	0.12	0.18	0.2	0.54	100	0	100	0
	trans-1,3-Dichloropropene	ug/L	33	0%	33	0.08	0.08	0.15	0.23	0.23	0.23	0	--	--	--	--	--	--	--	--	--	--
	Trichloroethene	ug/L	33	85%	5	0.091	0.11	0.1	0.11	0.11	0.11	28	0.16	1.4	2.3	12	10	110	5	11	5	11
	Trichlorofluoromethane (Freon-11)	ug/L	33	0%	33	0.1	0.1	0.1	0.11	0.11	0.11	0	--	--	--	--	--	--	--	--	9890	--
	Vinyl acetate	ug/L	33	0%	33	0.22	0.23	1.5	0.23	0.23	22	0	--	--	--	--	--	--	--	--	16200	--
	Vinyl chloride	ug/L	33	45%	18	0.091	0.091	0.11	0.13	0.13	0.13	15	0.18	0.42	0.63	0.69	0.92	1.6	2	0	2	0
	Xylenes (total)	ug/L	33	18%	27	0.22	1.6	1.1	1.6	1.6	1.6	6	0.4	1.1	2.2	2.3	3.6	4.3	10000	0	10000	0
Water Quality Parameters	Bicarbonate alkalinity	mg/L	17	100%	0	--	--	--	--	--	--	17	94	190	310	340	470	840	--	--	--	--
	Carbonate alkalinity	mg/L	17	0%	17	0.31	0.31	0.54	0.46	0.46	1.5	0	--	--	--	--	--	--	--	--	--	--
	Hardness, Total	mg/L	34	100%	0	--	--	--	--	--	--	34	747	2000	2700	3600	4500	13000	--	--	--	--
	Hydroxide alkalinity	mg/L	17	0%	17	0.31	0.31	0.31	0.31	0.31	0.31	0	--	--	--	--	--	--	--	--	--	--
	Total Alkalinity	mg/L	17	100%	0	--	--	--	--	--	--	17	94	190	310	340	470	840	--	--	--	--
	Total Dissolved Solids	mg/L	34	100%	0	--	--	--	--	--	--	34	2800	5700	10000	13000	16000	57500	500	34	--	--

Notes:

BCL = Basic Comparison Levels (BCLs) from NDEP 2009b.
Max = Maximum
Min = Minimum
Q1 = 1st quartile (25th percentile)
Q3 = 3rd quartile (75th percentile)
Because both non-detect and detected radionuclides have reported activity levels, calculated summary statistics (and exceedances of comparison levels) are presented as detected regardless of the lab detect flag. Lab detect flags are represented by the censored (non-detect) and detect count fields in the table.
Values for Q1, median, mean, and Q3 are rounded to 2 significant figures. BCLs are rounded to 2 significant figures.
a - Range of detections include estimated values of detect results between the detection limit and reporting limit. As such some minimum detected concentrations may be below the minimum reporting limit. In these cases the respective sample results are flagged in the dataset.
b - TCDD TEQ values are calculated from congener-specific concentrations (including PCB congeners). An individual TCDD TEQ value may include detect and non-detect congeners. Therefore, the number of detects and non-detects, and a frequency of detection for TCDD TEQ are not presented.
-- = Not applicable or no value has been established.

TABLE 3-2b
GROUNDWATER SUMMARY OF SAMPLE RESULTS–1ST QUARTER 2009 CAMU EVENT
1ST AND 2ND QUARTER 2009 GROUNDWATER MONITORING EVENTS
CAMU AREA, CLARK COUNTY, NEVADA
(Page 1 of 5)

Parameter of Interest	Compound List	Units	Total Count	Detect Freq.	Censored (Non-Detect) Data							Detected Data[a]							MCL	Count of Detects > MCL	Water BCL	Count of Detects > BCL
					Count	Min	Q1	Median	Mean	Q3	Max	Count	Min	Q1	Median	Mean	Q3	Max				
Dioxins/Furans	1,2,3,4,6,7,8-Heptachlorodibenzofuran	pg/L	12	8%	11	2	2.1	3.5	4.3	4.3	11	1	3	--	3	3	--	3	--	--	--	--
	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	pg/L	12	0%	12	3.3	3.8	4.8	4.6	4.575	18	0	--	--	--	--	--	--	--	--	--	--
	1,2,3,4,7,8,9-Heptachlorodibenzofuran	pg/L	12	8%	11	1.8	2.5	3.4	2.9	2.9	13	1	0.66	--	0.66	0.66	--	0.66	--	--	--	--
	1,2,3,4,7,8-Hexachlorodibenzofuran	pg/L	12	8%	11	2.5	2.7	3.4	4.2	4.2	7.1	1	1.6	--	1.6	1.6	--	1.6	--	--	--	--
	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	pg/L	12	0%	12	3	3.8	4.9	5.6	5.6	12	0	--	--	--	--	--	--	--	--	--	--
	1,2,3,6,7,8-Hexachlorodibenzofuran	pg/L	12	0%	12	1.9	2.4	2.6	2.5	2.475	6.4	0	--	--	--	--	--	--	--	--	--	--
	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	pg/L	12	0%	12	2.4	3.1	3.9	4.5	4.5	9.6	0	--	--	--	--	--	--	--	--	--	--
	1,2,3,7,8,9-Hexachlorodibenzofuran	pg/L	12	0%	12	2.5	2.7	3.1	3.7	3.725	7.3	0	--	--	--	--	--	--	--	--	--	--
	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	pg/L	12	0%	12	2.5	3.2	4.1	4.8	4.75	10	0	--	--	--	--	--	--	--	--	11	--
	1,2,3,7,8-Pentachlorodibenzofuran	pg/L	12	0%	12	2.6	3.3	3.6	3.8	3.8	10	0	--	--	--	--	--	--	--	--	--	--
	1,2,3,7,8-Pentachlorodibenzo-p-dioxin	pg/L	12	0%	12	3.4	4.9	11	13	12.8	49	0	--	--	--	--	--	--	--	--	--	--
	2,3,4,6,7,8-Hexachlorodibenzofuran	pg/L	12	0%	12	2.1	2.5	2.6	2.7	2.65	6.8	0	--	--	--	--	--	--	--	--	--	--
	2,3,4,7,8-Pentachlorodibenzofuran	pg/L	12	0%	12	2.2	3.1	3.6	3.7	3.65	11	0	--	--	--	--	--	--	--	--	--	--
	2,3,7,8-Tetrachlorodibenzofuran	pg/L	12	8%	11	1.8	2.1	2.9	2.4	2.4	12	1	3.5	--	3.5	3.5	--	3.5	--	--	--	--
	2,3,7,8-Tetrachlorodibenzo-p-dioxin	pg/L	12	0%	12	2.5	4.9	130	61	60.525	960	0	--	--	--	--	--	--	30	--	0.45	--
	Octachlorodibenzodioxin	pg/L	12	8%	11	4.2	8.3	14	26	26	47	1	1.3	--	1.3	1.3	--	1.3	--	--	--	--
	Octachlorodibenzofuran	pg/L	12	8%	11	3.7	4.7	7.4	7	7	34	1	2.8	--	2.8	2.8	--	2.8	--	--	--	--
	TCDD TEQ	pg/L	12	--[c]	--	--	--	--	--	--	--	12	4	5.9	8.2	71	40	500	--	--	--	--
General Chemistry	Bromide	ug/L	17	59%	7	260	260	1300	2600	2600	2600	10	660	750	1000	1000	1300	1500	--	--	--	--
	Bromine	ug/L	17	59%	7	5000	5000	24000	50000	50000	50000	10	1300	1500	2100	2100	2600	3000	--	--	--	--
	Chlorate	ug/L	17	18%	14	47	47	200	470	470	470	3	68	68	92	3900	11000	11400	--	--	--	--
	Chloride	mg/L	17	100%	0	--	--	--	--	--	--	17	1610	3400	6200	7600	9600	30900	--	--	--	--
	Chlorine	mg/L	17	100%	0	--	--	--	--	--	--	17	3230	6700	12000	15000	19000	61700	4	17	4	17
	Chlorite	ug/L	6	0%	6	80	140	210	400	400	400	0	--	--	--	--	--	--	1000	--	--	--
	Fluoride	ug/L	17	88%	2	--	100	100	--	--	100	15	410	1000	1100	1200	1600	2500	4000	0	4000	0
	Iodide	ug/L	17	29%	12	3000	3000	4800	3000	3000	30000	5	15900	19000	34000	60000	110000	183000	--	--	--	--
	Ion Balance Difference	percent	17	100%	0	--	--	--	--	--	--	17	0.2	1	1.6	2.3	3.6	7.3	--	--	--	--
	Nitrate	ug/L	17	18%	14	5	50	37	50	50	50	3	18	18	740	790	1600	1600	10000	0	10000	0
	Nitrite	ug/L	17	0%	17	300	300	1600	3000	3000	6000	0	--	--	--	--	--	--	1000	--	1000	--
	Orthophosphate	ug/L	17	35%	11	50	500	300	500	500	500	6	190	210	400	390	500	710	--	--	--	--
	Perchlorate	ug/L	17	18%	14	18	50	120	200	200	500	3	66	66	310	17000	52000	52000	--	--	18	3
	Sulfate	mg/L	17	100%	0	--	--	--	--	--	--	17	965	1200	1600	1900	2200	4380	--	--	--	--
Metals	Aluminum	ug/L	17	59%	7	36	36	37	36	36	72	10	18.9	19	43	55	90	148	--	--	36500	0
	Antimony	ug/L	17	0%	17	0.35	0.35	0.52	0.7	0.7	1.4	0	--	--	--	--	--	--	6	--	6	--
	Arsenic	ug/L	17	100%	0	--	--	--	--	--	--	17	28.8	96	140	180	220	630	10	17	10	17
	Barium	ug/L	17	100%	0	--	--	--	--	--	--	17	35.2	39	43	47	55	67.2	2000	0	2000	0
	Beryllium	ug/L	17	0%	17	0.4	0.4	0.59	0.8	0.8	1.6	0	--	--	--	--	--	--	4	--	4	--
	Boron	ug/L	17	100%	0	--	--	--	--	--	--	17	996	1500	1800	2000	2400	4270	--	--	7300	0
	Cadmium	ug/L	17	6%	16	0.2	0.3	0.31	0.4	0.4	0.8	1	0.08	--	0.08	0.08	--	0.08	5	0	5	0
	Calcium	ug/L	17	100%	0	--	--	--	--	--	--	17	223000	340000	400000	560000	710000	1650000	--	--	--	--
	Chromium (Total)	ug/L	17	12%	15	2.5	5	4.1	5	5	10	2	1.1	--	1.3	1.3	--	1.5	100	0	100	0
	Chromium (VI)	ug/L	17	0%	17	10	10	38	50	50	250	0	--	--	--	--	--	--	100	--	100	--
	Cobalt	ug/L	17	100%	0	--	--	--	--	--	--	17	0.13	0.33	0.67	1.4	1.2	11.5	--	--	11	1
	Copper	ug/L	17	0%	17	2.8	2.8	4.1	5.6	5.6	11	0	--	--	--	--	--	--	1300	--	1360	--
	Iron	ug/L	17	100%	0	--	--	--	--	--	--	17	488	640	930	3800	1800	46700	--	--	25600	1
	Lead	ug/L	17	6%	16	0.9	1.4	1.4	1.8	1.8	3.6	1	0.45	--	0.45	0.45	--	0.45	15	0	15	0
	Lithium	ug/L	17	88%	2	--	26	26	--	--	26	15	248	380	500	540	670	1200	--	--	73	15
	Magnesium	ug/L	17	100%	0	--	--	--	--	--	--	17	151000	340000	430000	570000	690000	2150000	--	--	207000	15
	Manganese	ug/L	17	100%	0	--	--	--	--	--	--	17	1.9	270	550	940	1600	2710	--	--	510	10
	Mercury	ug/L	17	0%	17	0.027	0.027	0.027	0.027	0.027	0.027	0	--	--	--	--	--	--	2	--	10.95	--
	Molybdenum	ug/L	17	100%	0	--	--	--	--	--	--	17	3.7	16	28	27	33	70.9	--	--	180	0
	Nickel	ug/L	17	94%	1	--	3	3	--	--	3	16	1.6	3	3.5	4	5.2	7.3	--	--	730	0
	Potassium	ug/L	17	100%	0	--	--	--	--	--	--	17	16600	21000	30000	36000	45000	90700	--	--	--	--
	Selenium	ug/L	17	29%	12	3.5	5.3	5.7	7	7	14	5	1.4	2	8.5	7.2	12	12.2	50	0	50	0
	Silver	ug/L	17	0%	17	0.8	0.8	1.2	1.6	1.6	3.2	0	--	--	--	--	--	--	--	--	180	--
	Sodium	ug/L	17	100%	0	--	--	--	--	--	--	17	834000	1400000	2700000	4100000	6000000	16000000	--	--	--	--
	Strontium	ug/L	17	100%	0	--	--	--	--	--	--	17	5490	10000	14000	17000	21000	50500	--	--	21900	3
	Thallium	ug/L	17	18%	14	0.085	0.1	0.14	0.2	0.2	0.4	3	0.31	0.31	0.5	0.46	0.57	0.57	2	0	2	0
	Tin	ug/L	17	0%	17	0.85	0.85	1.3	1.7	1.7	3.4	0	--	--	--	--	--	--	--	--	21900	--
	Titanium	ug/L	17	41%	10	3	3	3.7	6	6	6	7	3.2	3.4	4.3	5.1	5.6	10.7	--	--	146000	0
	Tungsten	ug/L	17	35%	11	0.11	0.22	0.18	0.22	0.22	0.44	6	0.39	3.8	6.3	5.4	7.1	7.8	--	--	270	0
	Uranium	ug/L	17	100%	0	--	--	--	--	--	--	17	0.51	8.3	26	48	61	350	30	6	30	6
	Vanadium	ug/L	17	24%	13	10	20	16	20	20	40	4	18.4	19	78	77	140	136	--	--	180	0
	Zinc	ug/L	17	12%	15	10	20	16	20	20	40	2	4.2	--	86	86	--	168	--	--	11000	0

TABLE 3-2b
GROUNDWATER SUMMARY OF SAMPLE RESULTS–1ST QUARTER 2009 CAMU EVENT
1ST AND 2ND QUARTER 2009 GROUNDWATER MONITORING EVENTS
CAMU AREA, CLARK COUNTY, NEVADA
(Page 2 of 5)

Parameter of Interest	Compound List	Units	Total Count	Detect Freq.	Censored (Non-Detect) Data							Detected Data[a]							MCL	Count of Detects > MCL	Water BCL	Count of Detects > BCL
					Count	Min	Q1	Median	Mean	Q3	Max	Count	Min	Q1	Median	Mean	Q3	Max				
Organochlorine Pesticides	2,4-DDD	ug/L	17	18%	14	0.011	0.011	0.011	0.011	0.011	0.011	3	0.08	0.08	0.18	0.34	0.76	0.76	--	--	--	--
	2,4-DDE	ug/L	17	41%	10	0.009	0.009	0.009	0.009	0.009	0.009	7	0.055	0.16	0.28	0.39	0.6	0.8	--	--	--	--
	4,4-DDD	ug/L	17	0%	17	0.0038	0.0038	0.0038	0.0038	0.0038	0.0038	0	--	--	--	--	--	--	--	--	0.28	--
	4,4-DDE	ug/L	17	0%	17	0.0027	0.0027	0.0027	0.0027	0.0027	0.0027	0	--	--	--	--	--	--	--	--	0.2	--
	4,4-DDT	ug/L	17	0%	17	0.0056	0.0056	0.0056	0.0056	0.0056	0.0056	0	--	--	--	--	--	--	--	--	0.2	--
	Aldrin	ug/L	17	6%	16	0.004	0.004	0.004	0.004	0.004	0.004	1	0.46	--	0.46	0.46	--	0.46	--	--	0.004	1
	alpha-BHC	ug/L	17	94%	1	--	0.0025	0.0025	--	--	0.0025	16	0.35	2.2	8.5	63	89	390	--	--	0.011	16
	alpha-Chlordane	ug/L	17	12%	15	0.003	0.003	0.003	0.003	0.003	0.003	2	0.067	--	0.17	0.17	--	0.28	--	--	--	--
	beta-BHC	ug/L	17	53%	8	0.013	0.013	0.013	0.013	0.013	0.013	9	2	19	28	34	50	89	--	--	0.037	9
	Chlordane	ug/L	17	0%	17	0.18	0.18	0.18	0.18	0.18	0.18	0	--	--	--	--	--	--	2	--	2	--
	delta-BHC	ug/L	17	100%	0	--	--	--	--	--	--	17	0.086	1.6	3	5.2	6.3	35	--	--	--	--
	Dieldrin	ug/L	17	6%	16	0.0023	0.0023	0.0023	0.0023	0.0023	0.0023	1	0.22	--	0.22	0.22	--	0.22	--	--	0.0042	1
	Endosulfan I	ug/L	17	6%	16	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	1	0.31	--	0.31	0.31	--	0.31	--	--	--	--
	Endosulfan II	ug/L	17	18%	14	0.01	0.01	0.01	0.01	0.01	0.01	3	0.15	0.15	0.17	0.18	0.23	0.23	--	--	--	--
	Endosulfan sulfate	ug/L	17	0%	17	0.017	0.017	0.017	0.017	0.017	0.017	0	--	--	--	--	--	--	--	--	--	--
	Endrin	ug/L	17	0%	17	0.0028	0.0028	0.0028	0.0028	0.0028	0.0028	0	--	--	--	--	--	--	2	--	2	--
	Endrin aldehyde	ug/L	17	18%	14	0.0032	0.0032	0.0032	0.0032	0.0032	0.0032	3	0.097	0.097	0.12	0.34	0.8	0.8	--	--	--	--
	Endrin ketone	ug/L	17	0%	17	0.016	0.016	0.016	0.016	0.016	0.016	0	--	--	--	--	--	--	--	--	--	--
	gamma-Chlordane	ug/L	17	6%	16	0.0027	0.0027	0.0027	0.0027	0.0027	0.0027	1	0.074	--	0.074	0.074	--	0.074	--	--	--	--
	Heptachlor	ug/L	17	0%	17	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0	--	--	--	--	--	--	0.4	--	0.4	--
	Heptachlor epoxide	ug/L	17	0%	17	0.0032	0.0032	0.0032	0.0032	0.0032	0.0032	0	--	--	--	--	--	--	0.2	--	0.2	--
	Lindane	ug/L	17	71%	5	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	12	0.2	0.25	1.2	5.2	4.3	39	0.2	10	0.2	10
	Methoxychlor	ug/L	17	6%	16	0.005	0.005	0.005	0.005	0.005	0.005	1	0.2	--	0.2	0.2	--	0.2	40	0	40	0
	Toxaphene	ug/L	17	0%	17	0.33	0.33	0.33	0.33	0.33	0.33	0	--	--	--	--	--	--	3	--	3	--
Others	Methyl mercury	ng/L	16	38%	10	0.02	0.02	0.02	0.02	0.02	0.02	6	0.028	0.046	0.2	0.36	0.76	0.978	--	--	3.7	0
	White phosphorus	ug/L	16	0%	16	0.023	0.023	0.023	0.023	0.023	0.023	0	--	--	--	--	--	--	--	--	0.73	--
Polynuclear Aromatic Hydrocarbons	Acenaphthene	ug/L	17	18%	14	0.048	0.048	0.052	0.048	0.04825	0.1	3	0.0512	0.051	0.17	0.19	0.34	0.336	--	--	2190	0
	Acenaphthylene	ug/L	17	0%	17	0.048	0.048	0.051	0.049	0.0485	0.1	0	--	--	--	--	--	--	--	--	1100	--
	Anthracene	ug/L	17	6%	16	0.048	0.048	0.051	0.049	0.04875	0.1	1	0.0968	--	0.097	0.097	--	0.0968	--	--	11000	0
	Benzo(a)anthracene	ug/L	17	0%	17	0.048	0.048	0.051	0.049	0.0485	0.1	0	--	--	--	--	--	--	--	--	0.092	--
	Benzo(a)pyrene	ug/L	17	6%	16	0.048	0.048	0.051	0.049	0.04875	0.1	1	0.0759	--	0.076	0.076	--	0.0759	0.2	0	0.2	0
	Benzo(b)fluoranthene	ug/L	17	6%	16	0.048	0.048	0.051	0.049	0.04875	0.1	1	0.0727	--	0.073	0.073	--	0.0727	--	--	0.092	0
	Benzo(g,h,i)perylene	ug/L	17	6%	16	0.048	0.048	0.051	0.049	0.04875	0.1	1	0.0699	--	0.07	0.07	--	0.0699	--	--	1100	0
	Benzo(k)fluoranthene	ug/L	17	6%	16	0.048	0.048	0.051	0.049	0.04875	0.1	1	0.0764	--	0.076	0.076	--	0.0764	--	--	0.92	0
	Chrysene	ug/L	17	0%	17	0.048	0.048	0.051	0.049	0.049	0.1	0	--	--	--	--	--	--	--	--	9.2	--
	Dibenzo(a,h)anthracene	ug/L	17	6%	16	0.048	0.048	0.051	0.049	0.04875	0.1	1	0.0899	--	0.09	0.09	--	0.0899	--	--	0.0092	1
	Indeno(1,2,3-cd)pyrene	ug/L	17	6%	16	0.048	0.048	0.051	0.049	0.04875	0.1	1	0.0633	--	0.063	0.063	--	0.0633	--	--	0.092	0
	Phenanthrene	ug/L	17	6%	16	0.048	0.048	0.051	0.049	0.04875	0.1	1	0.267	--	0.27	0.27	--	0.267	--	--	1100	0
	Pyrene	ug/L	17	6%	16	0.048	0.048	0.051	0.049	0.04875	0.1	1	0.0914	--	0.091	0.091	--	0.0914	--	--	1100	0
Polychlorinated Biphenyls	PCB 105	pg/L	11	9%	10	20	20	20	20	20	20	1	26	--	26	26	--	26	--	--	--	--
	PCB 114	pg/L	11	0%	11	20	20	20	20	20	20	0	--	--	--	--	--	--	--	--	--	--
	PCB 118	pg/L	11	64%	4	20	20	20	20	20	20	7	21	21	26	32	50	51	--	--	--	--
	PCB 123	pg/L	11	0%	11	20	20	20	20	20	20	0	--	--	--	--	--	--	--	--	--	--
	PCB 126	pg/L	11	0%	11	20	20	20	20	20	20	0	--	--	--	--	--	--	--	--	--	--
	PCB 156	pg/L	12	0%	12	20	20	20	20	20	20	0	--	--	--	--	--	--	--	--	--	--
	PCB 157	pg/L	12	0%	12	20	20	20	20	20	20	0	--	--	--	--	--	--	--	--	--	--
	PCB 167	pg/L	12	0%	12	20	20	20	20	20	20	0	--	--	--	--	--	--	--	--	--	--
	PCB 169	pg/L	12	0%	12	20	20	20	20	20	20	0	--	--	--	--	--	--	--	--	--	--
	PCB 189	pg/L	12	0%	12	20	20	20	20	20	20	0	--	--	--	--	--	--	--	--	--	--
	PCB 209	pg/L	12	0%	12	20	20	20	20	20	20	0	--	--	--	--	--	--	--	--	--	--
	PCB 77	pg/L	11	0%	11	20	20	20	20	20	20	0	--	--	--	--	--	--	--	--	--	--
	PCB 81	pg/L	11	0%	11	20	20	20	20	20	20	0	--	--	--	--	--	--	--	--	--	--
Radionuclides	Radium-226	pCi/L	17	71%	5	--	--	--	--	--	--	12	0.299	1	1.4	2.7	3.8	9.68	--	--	--	--
	Radium-226/228	pCi/L	17	--	--	--	--	--	--	--	--	17	0.45	1.9	3.6	4.5	7.3	10.9	5	6	--	--
	Radium-228	pCi/L	17	88%	2	--	--	--	--	--	--	15	0.15	0.79	1.3	1.8	2.1	9.51	--	--	--	--
	Radon-222	pCi/L	17	94%	1	--	--	--	--	--	--	16	66.4	250	410	410	560	867	4000	0	300	10
	Thorium-228	pCi/L	17	0%	17	--	--	--	--	--	--	0	-0.229	-0.13	-0.034	-0.026	0.024	0.299	--	--	--	--
	Thorium-230	pCi/L	17	18%	14	--	--	--	--	--	--	3	-0.19	0.05	0.14	0.13	0.21	0.349	--	--	--	--
	Thorium-232	pCi/L	17	0%	17	--	--	--	--	--	--	0	-0.0865	-0.034	-0.0038	0.03	0.1	0.181	--	--	--	--
	Uranium-233/234	pCi/L	17	88%	2	--	--	--	--	--	--	15	-0.03	3.1	10	20	25	156	--	--	--	--
	Uranium-235/236	pCi/L	17	65%	6	--	--	--	--	--	--	11	0.0647	0.23	0.71	1.1	1.5	5.57	--	--	--	--
	Uranium-238	pCi/L	17	100%	0	--	--	--	--	--	--	17	0.299	2.6	8.5	15	18	106	--	--	--	--

TABLE 3-2b
GROUNDWATER SUMMARY OF SAMPLE RESULTS–1ST QUARTER 2009 CAMU EVENT
1ST AND 2ND QUARTER 2009 GROUNDWATER MONITORING EVENTS
CAMU AREA, CLARK COUNTY, NEVADA

Parameter of Interest	Compound List	Units	Total Count	Detect Freq.	Censored (Non-Detect) Data							Detected Data[a]							MCL	Count of Detects > MCL	Water BCL	Count of Detects > BCL
					Count	Min	Q1	Median	Mean	Q3	Max	Count	Min	Q1	Median	Mean	Q3	Max				
Semi-Volatile Organic Compounds	1,2,4,5-Tetrachlorobenzene	ug/L	17	6%	16	1.9	1.9	4.5	2	1.975	20	1	28.5	--	29	29	--	28.5	--	--	11	1
	1,2-Diphenylhydrazine	ug/L	17	0%	17	1.9	1.9	5.3	4.8	4.8	20	0	--	--	--	--	--	--	--	--	0.084	--
	1,4-Dioxane	ug/L	17	6%	16	0.95	0.96	2.8	3.1	3.1	9.8	1	2.28	--	2.3	2.3	--	2.28	--	--	6.1	0
	2,2'-/4,4'-Dichlorobenzil	ug/L	17	0%	17	3.1	3.2	8.7	8.2	8.15	32	0	--	--	--	--	--	--	--	--	10.95	--
	2,4,5-Trichlorophenol	ug/L	17	18%	14	0.95	0.96	3	5.2	5.225	9.8	3	1.2	1.2	1.2	1.7	2.8	2.79	--	--	3650	0
	2,4,6-Trichlorophenol	ug/L	17	24%	13	1.9	1.9	5	4.8	4.8	20	4	2.61	3.7	14	16	31	34.2	--	--	6.1	3
	2,4-Dichlorophenol	ug/L	17	47%	9	1.9	1.9	3.8	1.9	1.9	19	8	3	7.7	19	29	56	78.8	--	--	110	0
	2,4-Dimethylphenol	ug/L	17	0%	17	1.9	1.9	5.3	4.8	4.8	20	0	--	--	--	--	--	--	--	--	730	--
	2,4-Dinitrophenol	ug/L	17	0%	17	9.5	9.6	26	24	24	98	0	--	--	--	--	--	--	--	--	73	--
	2,4-Dinitrotoluene	ug/L	17	0%	17	1.9	1.9	5.3	4.8	4.8	20	0	--	--	--	--	--	--	--	--	0.22	--
	2,6-Dinitrotoluene	ug/L	17	0%	17	1.9	1.9	5.3	4.8	4.8	20	0	--	--	--	--	--	--	--	--	37	--
	2-Chloronaphthalene	ug/L	17	12%	15	0.33	0.34	1	1.3	1.3	3.4	2	2.66	--	2.8	2.8	--	2.98	--	--	2920	0
	2-Chlorophenol	ug/L	17	35%	11	1.9	1.9	3.5	1.9	1.9	20	6	15.9	20	25	33	46	77.4	--	--	180	0
	2-Methylnaphthalene	ug/L	17	12%	15	0.29	0.29	0.69	0.29	0.29	2.9	2	0.651	--	2.1	2.1	--	3.45	--	--	--	--
	2-Nitroaniline	ug/L	17	0%	17	1.9	1.9	5.3	4.8	4.8	20	0	--	--	--	--	--	--	--	--	110	--
	2-Nitrophenol	ug/L	17	0%	17	1.9	1.9	5.3	4.8	4.8	20	0	--	--	--	--	--	--	--	--	--	--
	3,3-Dichlorobenzidine	ug/L	17	0%	17	0.95	0.96	2.6	2.4	2.4	9.8	0	--	--	--	--	--	--	--	--	0.15	--
	3-Nitroaniline	ug/L	17	0%	17	1.9	1.9	5.3	4.8	4.8	20	0	--	--	--	--	--	--	--	--	--	--
	4-Bromophenyl phenyl ether	ug/L	17	0%	17	1.9	1.9	5.3	4.8	4.8	20	0	--	--	--	--	--	--	--	--	--	--
	4-Chloro-3-methylphenol	ug/L	17	0%	17	1.9	1.9	5.3	4.8	4.8	20	0	--	--	--	--	--	--	--	--	--	--
	4-Chlorophenyl phenyl ether	ug/L	17	0%	17	1.9	1.9	5.3	4.8	4.8	20	0	--	--	--	--	--	--	--	--	--	--
	4-Chlorothioanisole	ug/L	17	0%	17	3.1	3.2	8.7	8.2	8.15	32	0	--	--	--	--	--	--	--	--	--	--
	4-Nitroaniline	ug/L	17	0%	17	2.9	2.9	8	7	7	29	0	--	--	--	--	--	--	--	--	--	--
	4-Nitrophenol	ug/L	17	0%	17	1.9	1.9	5.3	4.8	4.8	20	0	--	--	--	--	--	--	--	--	290	--
	Acetophenone	ug/L	17	0%	17	1.9	1.9	5.3	4.8	4.8	20	0	--	--	--	--	--	--	--	--	3650	--
	Aniline	ug/L	17	0%	17	2.4	2.4	6.7	6	6	25	0	--	--	--	--	--	--	--	--	12	--
	Benzenethiol	ug/L	17	47%	9	6.3	6.4	13	6.4	6.4	63	8	8.98	17	25	70	120	244	--	--	--	--
	Benzoic acid	ug/L	17	0%	17	5.7	5.8	16	15	14.5	59	0	--	--	--	--	--	--	--	--	146000	--
	Benzyl alcohol	ug/L	17	0%	17	1.9	1.9	5.3	4.8	4.8	20	0	--	--	--	--	--	--	--	--	18300	--
	bis(2-Chloroethoxy)methane	ug/L	17	0%	17	2.9	2.9	8	7	7	29	0	--	--	--	--	--	--	--	--	--	--
	bis(2-Chloroethyl) ether	ug/L	17	0%	17	1.9	1.9	5.3	4.8	4.8	20	0	--	--	--	--	--	--	--	--	0.054	--
	bis(2-Chloroisopropyl) ether	ug/L	17	0%	17	1.9	1.9	5.3	4.8	4.8	20	0	--	--	--	--	--	--	--	--	0.9	--
	bis(2-Ethylhexyl)phthalate	ug/L	17	0%	17	1.9	1.9	5.3	4.8	4.8	20	0	--	--	--	--	--	--	6	--	6	--
	bis(p-Chlorophenyl) sulfone	ug/L	17	6%	16	3.1	3.2	7.3	3.3	3.275	32	1	48.9	--	49	49	--	48.9	--	--	--	--
	bis(p-Chlorophenyl)disulfide	ug/L	16	31%	11	3.1	3.2	6.6	3.2	3.2	31	5	3.91	4.7	33	370	900	1530	--	--	--	--
	Butylbenzyl phthalate	ug/L	17	0%	17	1.9	1.9	5.3	4.8	4.8	20	0	--	--	--	--	--	--	--	--	7300	--
	Carbazole	ug/L	17	0%	17	0.19	0.19	0.53	0.48	0.48	2	0	--	--	--	--	--	--	--	--	3.4	--
	Dibenzofuran	ug/L	17	0%	17	1.9	1.9	5.3	4.8	4.8	20	0	--	--	--	--	--	--	--	--	73	--
	Diethyl phthalate	ug/L	17	0%	17	1.9	1.9	5.3	4.8	4.8	20	0	--	--	--	--	--	--	--	--	29200	--
	Dimethyl phthalate	ug/L	17	0%	17	1.9	1.9	5.3	4.8	4.8	20	0	--	--	--	--	--	--	--	--	365000	--
	Di-n-butyl phthalate	ug/L	17	0%	17	1.9	1.9	5.3	4.8	4.8	20	0	--	--	--	--	--	--	--	--	3650	--
	Di-n-octyl phthalate	ug/L	17	0%	17	2.9	2.9	8	7	7	29	0	--	--	--	--	--	--	--	--	--	--
	Diphenyl disulfide	ug/L	17	41%	10	3.1	3.2	6.9	5.7	5.65	31	7	3.42	5.3	36	450	260	2790	--	--	--	--
	Diphenyl sulfide	ug/L	17	0%	17	3.1	3.2	8.7	8.2	8.15	32	0	--	--	--	--	--	--	--	--	--	--
	Diphenyl sulfone	ug/L	17	0%	17	3.1	3.2	8.7	8.2	8.15	32	0	--	--	--	--	--	--	--	--	110	--
	Diphenylamine	ug/L	17	0%	17	2.9	2.9	8	7	7	29	0	--	--	--	--	--	--	--	--	910	--
	Fluoranthene	ug/L	17	0%	17	0.19	0.19	0.53	0.48	0.48	2	0	--	--	--	--	--	--	--	--	1460	--
	Fluorene	ug/L	17	0%	17	0.19	0.19	0.53	0.48	0.48	2	0	--	--	--	--	--	--	--	--	1460	--
	Hexachlorobenzene	ug/L	17	0%	17	1.9	1.9	5.3	4.8	4.8	20	0	--	--	--	--	--	--	1	--	1	--
	Hexachlorobutadiene	ug/L	17	0%	17	1.9	1.9	5.3	4.8	4.8	20	0	--	--	--	--	--	--	--	--	0.86	--
	Hexachlorocyclopentadiene	ug/L	17	0%	17	1.9	1.9	5.3	4.8	4.8	20	0	--	--	--	--	--	--	50	--	50	--
	Hexachloroethane	ug/L	17	0%	17	1.9	1.9	5.3	4.8	4.8	20	0	--	--	--	--	--	--	--	--	4.8	--
	Hydroxymethyl phthalimide	ug/L	17	0%	17	3.1	3.2	8.7	8.2	8.15	32	0	--	--	--	--	--	--	--	--	--	--
	Isophorone	ug/L	17	0%	17	1.9	1.9	5.3	4.8	4.8	20	0	--	--	--	--	--	--	--	--	71	--
	m,p-Cresols	ug/L	17	0%	17	2.9	2.9	8	7	7	29	0	--	--	--	--	--	--	--	--	--	--
	Naphthalene	ug/L	17	24%	13	0.29	0.29	0.89	1.6	1.595	2.9	4	0.3	0.32	1.1	1.2	2.3	2.41	--	--	4.3	0
	Nitrobenzene	ug/L	17	0%	17	2.9	2.9	8	7	7	29	0	--	--	--	--	--	--	--	--	3.7	--
	N-nitrosodi-n-propylamine	ug/L	17	0%	17	1.9	1.9	5.3	4.8	4.8	20	0	--	--	--	--	--	--	--	--	0.0096	--
	o-Cresol	ug/L	17	0%	17	1.9	1.9	5.3	4.8	4.8	20	0	--	--	--	--	--	--	--	--	1830	--
	Octachlorostyrene	ug/L	17	0%	17	3.1	3.2	8.7	8.2	8.15	32	0	--	--	--	--	--	--	--	--	--	--

TABLE 3-2b
GROUNDWATER SUMMARY OF SAMPLE RESULTS–1ST QUARTER 2009 CAMU EVENT
1ST AND 2ND QUARTER 2009 GROUNDWATER MONITORING EVENTS
CAMU AREA, CLARK COUNTY, NEVADA
(Page 4 of 5)

Parameter of Interest	Compound List	Units	Total Count	Detect Freq.	Censored (Non-Detect) Data							Detected Data[a]							MCL	Count of Detects > MCL	Water BCL	Count of Detects > BCL
					Count	Min	Q1	Median	Mean	Q3	Max	Count	Min	Q1	Median	Mean	Q3	Max				
Semi-Volatile Organic Compounds	p-Chloroaniline	ug/L	17	0%	17	1.9	1.9	5.3	4.8	4.8	20	0	--	--	--	--	--	--	--	--	150	--
	p-Chlorobenzenethiol	ug/L	17	47%	9	3.1	3.2	6.2	3.2	3.2	31	8	6.76	15	20	130	140	684	--	--	--	--
	Pentachlorobenzene	ug/L	17	6%	16	1.9	1.9	5.5	6.2	6.2	20	1	3.29	--	3.3	3.3	--	3.29	--	--	29	0
	Pentachlorophenol	ug/L	17	18%	14	1.9	1.9	5.6	6.3	6.25	20	3	8.6	8.6	15	19	33	33.2	1	3	1	3
	Phenol	ug/L	17	24%	13	0.95	0.96	2.3	0.99	0.985	9.8	4	1.9	2.1	3.4	12	30	38.3	--	--	11000	0
	Pyridine	ug/L	17	0%	17	0.95	0.96	2.6	2.4	2.4	9.8	0	--	--	--	--	--	--	--	--	37	--
Volatile Organic Compounds	1,1,1,2-Tetrachloroethane	ug/L	17	0%	17	0.1	0.1	0.1	0.1	0.1	0.1	0	--	--	--	--	--	--	--	--	2.3	--
	1,1,1-Trichloroethane	ug/L	17	0%	17	0.099	0.099	0.099	0.099	0.099	0.099	0	--	--	--	--	--	--	200	--	200	--
	1,1,2,2-Tetrachloroethane	ug/L	17	0%	17	0.27	0.27	0.27	0.27	0.27	0.27	0	--	--	--	--	--	--	--	--	0.3	--
	1,1,2-Trichloroethane	ug/L	17	41%	10	0.19	0.19	0.19	0.19	0.19	0.19	7	0.27	0.33	1.6	1.4	2.3	2.7	5	0	5	0
	1,1,2-Trifluoro-1,2,2-trichloroethane (Freon-113)	ug/L	17	0%	17	0.072	0.072	0.072	0.072	0.072	0.072	0	--	--	--	--	--	--	--	--	876000	--
	1,1-Dichloroethane	ug/L	17	100%	0	--	--	--	--	--	--	17	1.8	8.6	21	28	43	91	--	--	12	11
	1,1-Dichloroethene	ug/L	17	59%	7	0.085	0.085	12	0.85	0.85	85	10	0.1	0.26	0.56	0.73	1.3	1.9	7	0	7	0
	1,1-Dichloropropene	ug/L	17	12%	15	0.087	0.087	0.087	0.087	0.087	0.087	2	0.64	--	2.9	2.9	--	5.1	--	--	--	--
	1,2,3-Trichlorobenzene	ug/L	17	71%	5	0.64	0.64	0.64	0.64	0.64	0.64	12	0.98	3.2	7	16	25	72	--	--	--	--
	1,2,3-Trichloropropane	ug/L	17	0%	17	0.22	0.22	0.22	0.22	0.22	0.22	0	--	--	--	--	--	--	--	--	0.034	--
	1,2,4-Trichlorobenzene	ug/L	17	65%	6	0.79	0.79	0.79	0.79	0.79	0.79	11	5.6	37	54	110	130	530	70	4	70	4
	1,2,4-Trimethylbenzene	ug/L	17	24%	13	0.069	0.069	0.069	0.069	0.069	0.069	4	0.11	0.17	0.36	0.31	0.39	0.39	--	--	51	0
	1,2-Dichlorobenzene	ug/L	17	94%	1	--	0.16	0.16	--	--	0.16	16	1.6	15	150	500	1200	1800	600	5	600	5
	1,2-Dichloroethane	ug/L	17	82%	3	0.18	0.18	60	180	180	180	14	1.2	5.6	18	29	56	91	5	11	5	11
	1,2-Dichloroethene	ug/L	17	29%	12	0.14	0.14	0.14	0.14	0.14	0.14	5	0.2	0.3	0.58	0.92	1.7	2.2	--	--	--	--
	1,2-Dichloropropane	ug/L	17	24%	13	0.077	0.077	0.077	0.077	0.077	0.077	4	0.2	0.21	0.25	0.3	0.45	0.5	5	0	5	0
	1,3,5-Trichlorobenzene	ug/L	17	53%	8	0.13	0.13	0.13	0.13	0.13	0.13	9	0.13	0.49	0.58	1	1.4	2.9	--	--	--	--
	1,3,5-Trimethylbenzene	ug/L	17	18%	14	0.058	0.058	0.058	0.058	0.058	0.058	3	0.12	0.12	0.14	0.14	0.15	0.15	--	--	590	0
	1,3-Dichlorobenzene	ug/L	17	76%	4	0.046	0.046	0.046	0.046	0.046	0.046	13	0.21	3.8	18	25	49	89	--	--	110	0
	1,3-Dichloropropane	ug/L	17	0%	17	0.12	0.12	0.12	0.12	0.12	0.12	0	--	--	--	--	--	--	--	--	730	--
	1,4-Dichlorobenzene	ug/L	17	94%	1	--	0.1	0.1	--	--	0.1	16	1.7	15	180	880	2000	3700	75	11	75	11
	2,2,3-Trimethylbutane	ug/L	17	6%	16	0.16	0.16	0.16	0.16	0.16	0.16	1	0.18	--	0.18	0.18	--	0.18	--	--	--	--
	2,2-Dichloropropane	ug/L	17	0%	17	0.084	0.084	1.1	0.084	0.084	8.4	0	--	--	--	--	--	--	--	--	--	--
	2,2-Dimethylpentane	ug/L	17	0%	17	0.093	0.093	0.093	0.093	0.093	0.093	0	--	--	--	--	--	--	--	--	--	--
	2,3-Dimethylpentane	ug/L	17	18%	14	0.11	0.11	0.11	0.11	0.11	0.11	3	0.61	0.61	11	10	19	19	--	--	--	--
	2,4-Dimethylpentane	ug/L	17	0%	17	0.14	0.14	0.14	0.14	0.14	0.14	0	--	--	--	--	--	--	--	--	--	--
	2-Chlorotoluene	ug/L	17	65%	6	0.068	0.068	0.068	0.068	0.068	0.068	11	0.088	0.46	0.68	1.1	1.7	3.2	--	--	730	0
	2-Hexanone	ug/L	17	0%	17	0.08	0.08	0.08	0.08	0.08	0.08	0	--	--	--	--	--	--	--	--	--	--
	2-Methylhexane	ug/L	17	29%	12	0.12	0.12	0.12	0.12	0.12	0.12	5	0.41	0.69	1.3	1.3	1.9	2.3	--	--	--	--
	2-Nitropropane	ug/L	17	0%	17	0.034	0.034	0.034	0.034	0.034	0.034	0	--	--	--	--	--	--	--	--	0.0063	--
	3,3-Dimethylpentane	ug/L	17	24%	13	0.17	0.17	0.17	0.17	0.17	0.17	4	0.82	0.83	1	1.3	2.2	2.5	--	--	--	--
	3-Ethylpentane	ug/L	17	24%	13	0.13	0.13	0.13	0.13	0.13	0.13	4	0.15	0.44	1.5	2.1	4.3	5.1	--	--	--	--
	3-Methylhexane	ug/L	17	24%	13	0.1	0.1	0.1	0.1	0.1	0.1	4	0.39	0.74	2	5.3	13	17	--	--	--	--
	4-Chlorotoluene	ug/L	17	59%	7	0.068	0.068	0.068	0.068	0.068	0.068	10	0.17	0.35	0.52	0.92	1.5	2.6	--	--	--	--
	Acetone	ug/L	17	6%	16	0.56	0.56	7.8	0.56	0.56	56	1	3.7	--	3.7	3.7	--	3.7	--	--	32600	0
	Acetonitrile	ug/L	17	0%	17	4.2	4.2	4.2	4.2	4.2	4.2	0	--	--	--	--	--	--	--	--	440	--
	Benzene	ug/L	17	88%	2	--	0.032	0.032	--	--	0.032	15	4.8	12	1100	20000	43000	83000	5	14	5	14
	Bromobenzene	ug/L	17	29%	12	0.18	0.18	0.18	0.18	0.18	0.18	5	0.21	0.32	0.44	0.4	0.46	0.48	--	--	490	0
	Bromodichloromethane	ug/L	17	18%	14	0.088	0.088	0.14	0.088	0.088	0.88	3	0.35	0.35	0.6	0.68	1.1	1.1	--	--	1.1	0
	Bromoform	ug/L	17	0%	17	0.27	0.27	0.27	0.27	0.27	0.27	0	--	--	--	--	--	--	--	--	8.5	--
	Bromomethane	ug/L	17	0%	17	0.5	0.5	37	5	5	500	0	--	--	--	--	--	--	--	--	48	--
	Carbon disulfide	ug/L	17	41%	10	0.029	0.029	3	0.29	0.29	29	7	0.061	1.1	5	77	15	510	--	--	3520	0
	Carbon tetrachloride	ug/L	17	6%	16	0.042	0.042	0.042	0.042	0.042	0.042	1	1.4	--	1.4	1.4	--	1.4	5	0	5	0
	Chlorobenzene	ug/L	17	94%	1	--	0.48	0.48	--	--	0.48	16	4	800	4800	18000	42000	66000	100	15	100	15
	Chlorobromomethane	ug/L	17	0%	17	0.2	0.2	0.2	0.2	0.2	0.2	0	--	--	--	--	--	--	--	--	--	--
	Chloroethane	ug/L	17	53%	8	0.085	0.085	0.085	0.085	0.085	0.085	9	0.17	0.41	1.5	1.4	2.3	3.5	--	--	23	0
	Chloroform	ug/L	17	65%	6	0.08	0.08	0.08	0.08	0.08	0.08	11	0.18	0.82	70	900	1400	5200	--	--	1.6	7
	Chloromethane	ug/L	17	35%	11	0.036	0.036	0.036	0.036	0.036	0.036	6	0.087	0.1	0.14	0.37	0.7	1.2	--	--	81	0
	cis-1,2-Dichloroethene	ug/L	17	29%	12	0.13	0.13	0.13	0.13	0.13	0.13	5	0.2	0.22	0.34	0.72	1.4	1.7	70	0	70	0
	cis-1,3-Dichloropropene	ug/L	17	0%	17	0.099	0.099	0.099	0.099	0.099	0.099	0	--	--	--	--	--	--	--	--	--	--
	Cymene	ug/L	17	6%	16	0.04	0.04	0.04	0.04	0.04	0.04	1	0.045	--	0.045	0.045	--	0.045	--	--	--	--
	Dibromochloromethane	ug/L	17	0%	17	0.17	0.17	0.17	0.17	0.17	0.17	0	--	--	--	--	--	--	--	--	0.7	--
	Dibromochloropropane	ug/L	17	0%	17	0.48	0.48	0.48	0.48	0.48	0.48	0	--	--	--	--	--	--	0.2	--	0.2	--
	Dibromomethane	ug/L	17	0%	17	0.14	0.14	0.14	0.14	0.14	0.14	0	--	--	--	--	--	--	--	--	370	--
	Dichlorodifluoromethane (Freon-12)	ug/L	17	0%	17	0.074	0.074	0.074	0.074	0.074	0.074	0	--	--	--	--	--	--	--	--	5840	--
	Dichloromethane	ug/L	17	76%	4	0.091	0.091	0.091	0.091	0.091	0.091	13	0.096	0.19	0.62	220	2.9	1600	5	2	5	2
	Dimethyldisulfide	ug/L	16	19%	13	0.089	0.089	0.089	0.089	0.089	0.089	3	1.7	1.7	2.1	3	5.3	5.3	--	--	--	--

TABLE 3-2b
GROUNDWATER SUMMARY OF SAMPLE RESULTS–1ST QUARTER 2009 CAMU EVENT
1ST AND 2ND QUARTER 2009 GROUNDWATER MONITORING EVENTS
CAMU AREA, CLARK COUNTY, NEVADA
(Page 5 of 5)

Parameter of Interest	Compound List	Units	Total Count	Detect Freq.	Censored (Non-Detect) Data							Detected Data[a]							MCL	Count of Detects > MCL	Water BCL	Count of Detects > BCL
					Count	Min	Q1	Median	Mean	Q3	Max	Count	Min	Q1	Median	Mean	Q3	Max				
Volatile Organic Compounds	Ethanol	ug/L	17	0%	17	36	36	36	36	36	36	0	--	--	--	--	--	--	--	--	--	--
	Ethylbenzene	ug/L	17	0%	17	0.061	0.061	0.061	0.061	0.061	0.061	0	--	--	--	--	--	--	700	--	700	--
	Heptane	ug/L	17	0%	17	0.08	0.08	0.08	0.08	0.08	0.08	0	--	--	--	--	--	--	--	--	--	--
	Isopropylbenzene	ug/L	17	18%	14	0.032	0.032	0.032	0.032	0.032	0.032	3	0.081	0.081	0.1	0.1	0.13	0.13	--	--	3440	0
	m,p-Xylene	ug/L	17	0%	17	1.1	1.1	1.1	1.1	1.1	1.1	0	--	--	--	--	--	--	--	--	42600	--
	Methyl ethyl ketone	ug/L	17	6%	16	0.96	0.96	0.96	0.96	0.96	0.96	1	24	--	24	24	--	24	--	--	21300	0
	Methyl iodide	ug/L	17	6%	16	0.33	0.33	21	2.6	2.5575	330	1	0.48	--	0.48	0.48	--	0.48	--	--	--	--
	Methyl isobutyl ketone	ug/L	17	0%	17	0.72	0.72	0.72	0.72	0.72	0.72	0	--	--	--	--	--	--	--	--	2900	--
	MTBE (Methyl tert-butyl ether)	ug/L	17	0%	17	0.13	0.13	0.13	0.13	0.13	0.13	0	--	--	--	--	--	--	--	--	35	--
	n-Butyl benzene	ug/L	17	24%	13	0.069	0.069	0.069	0.069	0.069	0.069	4	0.07	0.076	0.13	0.14	0.21	0.23	--	--	370	0
	Nonanal	ug/L	17	0%	17	0.007	0.007	0.007	0.007	0.007	0.007	0	--	--	--	--	--	--	--	--	--	--
	n-Propylbenzene	ug/L	17	29%	12	0.029	0.029	0.029	0.029	0.029	0.029	5	0.044	0.087	0.14	0.13	0.18	0.22	--	--	370	0
	o-Xylene	ug/L	17	24%	13	0.056	0.056	0.056	0.056	0.056	0.056	4	0.17	0.24	0.5	0.45	0.59	0.61	--	--	42600	0
	sec-Butylbenzene	ug/L	17	6%	16	0.053	0.053	0.053	0.053	0.053	0.053	1	0.2	--	0.2	0.2	--	0.2	--	--	370	0
	Styrene	ug/L	17	0%	17	0.079	0.079	0.079	0.079	0.079	0.079	0	--	--	--	--	--	--	100	--	100	--
	tert-Butyl benzene	ug/L	17	0%	17	0.039	0.039	0.039	0.039	0.039	0.039	0	--	--	--	--	--	--	--	--	370	--
	Tetrachloroethene	ug/L	17	82%	3	0.14	0.14	0.14	0.14	0.14	0.14	14	0.15	0.93	4.5	49	26	290	5	7	5	7
	Toluene	ug/L	17	82%	3	0.029	0.029	0.029	0.029	0.029	0.029	14	0.067	0.15	0.94	3.8	8	13	1000	0	1000	0
	Total Trihalomethanes	ug/L	17	65%	6	0.3	0.3	0.3	0.3	0.3	0.3	11	0.4	1.1	70	900	1400	5201	80	4	--	--
	trans-1,2-Dichloroethene	ug/L	17	29%	12	0.089	0.089	0.089	0.089	0.089	0.089	5	0.12	0.14	0.16	0.24	0.39	0.54	100	0	100	0
	trans-1,3-Dichloropropene	ug/L	17	0%	17	0.08	0.08	0.08	0.08	0.08	0.08	0	--	--	--	--	--	--	--	--	--	--
	Trichloroethene	ug/L	17	82%	3	0.11	0.11	0.11	0.11	0.11	0.11	14	0.19	1.4	4.1	16	14	110	5	7	5	7
	Trichlorofluoromethane (Freon-11)	ug/L	17	0%	17	0.1	0.1	0.1	0.1	0.1	0.1	0	--	--	--	--	--	--	--	--	9890	--
	Vinyl acetate	ug/L	17	0%	17	0.22	0.22	2.8	0.22	0.22	22	0	--	--	--	--	--	--	--	--	16200	--
	Vinyl chloride	ug/L	17	59%	7	0.13	0.13	0.13	0.13	0.13	0.13	10	0.18	0.46	0.63	0.75	1.1	1.6	2	0	2	0
	Xylenes (total)	ug/L	17	0%	17	1.6	1.6	1.6	1.6	1.6	1.6	0	--	--	--	--	--	--	10000	--	10000	--
Water Quality Parameters	Bicarbonate alkalinity	mg/L	0	--	0	--	--	--	--	--	--	0	--	--	--	--	--	--	--	--	--	--
	Carbonate alkalinity	mg/L	0	--	0	--	--	--	--	--	--	0	--	--	--	--	--	--	--	--	--	--
	Hardness, Total	mg/L	17	100%	0	--	--	--	--	--	--	17	1330	2100	2800	3700	4600	13000	--	--	--	--
	Hydroxide alkalinity	mg/L	0	--	0	--	--	--	--	--	--	0	--	--	--	--	--	--	--	--	--	--
	Total Alkalinity	mg/L	0	--	0	--	--	--	--	--	--	0	--	--	--	--	--	--	--	--	--	--
	Total Dissolved Solids	mg/L	17	100%	0	--	--	--	--	--	--	17	2800	5500	10000	13000	16000	54900	500	17	--	--

Notes:

BCL = Basic Comparison Levels (BCLs) from NDEP 2009b.
Max = Maximum
Min = Minimum
Q1 = 1st quartile (25th percentile)
Q3 = 3rd quartile (75th percentile)
Because both non-detect and detected radionuclides have reported activity levels, calculated summary statistics (and exceedances of comparison levels) are presented as detected regardless of the lab detect flag. Lab detect flags are represented by the censored (non-detect) and detect count fields in the table.
Values for Q1, median, mean, and Q3 are rounded to 2 significant figures. BCLs are rounded to 2 significant figures.
a - Range of detections include estimated values of detect results between the detection limit and reporting limit. As such some minimum detected concentrations may be below the minimum reporting limit. In these cases the respective sample results are flagged in the dataset.
b - TCDD TEQ values are calculated from congener-specific concentrations (including PCB congeners). An individual TCDD TEQ value may include detect and non-detect congeners. Therefore, the number of detects and non-detects, and a frequency of detection for TCDD TEQ are not presented.
-- = Not applicable or no value has been established.

TABLE 3-2c
GROUNDWATER SUMMARY OF SAMPLE RESULTS–2ND QUARTER 2009 CAMU EVENT
1ST AND 2ND QUARTER 2009 GROUNDWATER MONITORING EVENTS
CAMU AREA, CLARK COUNTY, NEVADA
(Page 1 of 5)

Parameter of Interest	Compound List	Units	Total Count	Detect Freq.	Censored (Non-Detect) Data							Detected Data[a]							MCL	Count of Detects > MCL	Water BCL	Count of Detects > BCL
					Count	Min	Q1	Median	Mean	Q3	Max	Count	Min	Q1	Median	Mean	Q3	Max				
Dioxins/Furans	1,2,3,4,6,7,8-Heptachlorodibenzofuran	pg/L	13	0%	13	0.77	1.1	3.5	3.5	3.45	25	0	--	--	--	--	--	--	--	--	--	--
	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	pg/L	13	0%	13	1.1	1.8	6.1	2.2	2.15	56	0	--	--	--	--	--	--	--	--	--	--
	1,2,3,4,7,8,9-Heptachlorodibenzofuran	pg/L	13	0%	13	0.83	1.4	1.8	2.1	2.1	7.1	0	--	--	--	--	--	--	--	--	--	--
	1,2,3,4,7,8-Hexachlorodibenzofuran	pg/L	13	0%	13	2.2	3.1	3.4	4.3	4.3	6.9	0	--	--	--	--	--	--	--	--	--	--
	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	pg/L	13	0%	13	0.69	2.3	2.5	3.4	3.35	7.9	0	--	--	--	--	--	--	--	--	--	--
	1,2,3,6,7,8-Hexachlorodibenzofuran	pg/L	13	0%	13	0.49	1.6	1.9	2.8	2.75	6	0	--	--	--	--	--	--	--	--	--	--
	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	pg/L	13	0%	13	0.54	2.4	2.2	2.9	2.85	7	0	--	--	--	--	--	--	--	--	--	--
	1,2,3,7,8,9-Hexachlorodibenzofuran	pg/L	13	0%	13	1.2	2.3	2.8	3.8	3.8	8	0	--	--	--	--	--	--	--	--	--	--
	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	pg/L	13	0%	13	0.54	2.4	2.2	3	2.95	6.9	0	--	--	--	--	--	--	--	--	11	--
	1,2,3,7,8-Pentachlorodibenzofuran	pg/L	13	0%	13	1.8	2.6	2.9	4	3.95	6	0	--	--	--	--	--	--	--	--	--	--
	1,2,3,7,8-Pentachlorodibenzo-p-dioxin	pg/L	13	0%	13	1.9	4.2	34	67	67	160	0	--	--	--	--	--	--	--	--	--	--
	2,3,4,6,7,8-Hexachlorodibenzofuran	pg/L	13	0%	13	0.56	1	1.7	2.5	2.45	5.4	0	--	--	--	--	--	--	--	--	--	--
	2,3,4,7,8-Pentachlorodibenzofuran	pg/L	13	0%	13	0.84	1.1	2.1	2.9	2.85	6.2	0	--	--	--	--	--	--	--	--	--	--
	2,3,7,8-Tetrachlorodibenzofuran	pg/L	13	0%	13	1.8	3.6	7.1	5.9	5.85	52	0	--	--	--	--	--	--	--	--	--	--
	2,3,7,8-Tetrachlorodibenzo-p-dioxin	pg/L	13	31%	9	0.98	3.4	450	820	820	2400	4	20	25	76	1600	4700	6200	30	3	0.45	4
	Octachlorodibenzodioxin	pg/L	13	0%	13	1.7	2.1	6.5	6.3	6.3	46	0	--	--	--	--	--	--	--	--	--	--
	Octachlorodibenzofuran	pg/L	13	0%	13	2.3	3.3	27	9.1	9.05	280	0	--	--	--	--	--	--	--	--	--	--
	TCDD TEQ	pg/L	13	--[c]	--	--	--	--	--	--	--	13	2.8	5	23	670	470	6257	--	--	--	--
General Chemistry	Bromide	ug/L	17	41%	10	260	2600	2700	5200	5200	5200	7	560	640	780	780	890	1100	--	--	--	--
	Bromine	ug/L	17	41%	10	5000	50000	52000	100000	100000	100000	7	1100	1300	1600	1600	1800	2100	--	--	--	--
	Chlorate	ug/L	17	6%	16	47	470	280	470	470	470	1	12400	--	12000	12000	--	12400	--	--	--	--
	Chloride	mg/L	17	100%	0	--	--	--	--	--	--	17	1450	3500	5900	7600	9600	30700	--	--	--	--
	Chlorine	mg/L	17	100%	0	--	--	--	--	--	--	17	2900	7100	12000	15000	19000	61500	4	17	4	17
	Chlorite	ug/L	15	7%	14	320	400	610	800	800	2000	1	2100	--	2100	2100	--	2100	1000	1	--	--
	Fluoride	ug/L	17	88%	2	--	100	100	--	--	100	15	510	720	1000	1200	1900	2500	4000	0	4000	0
	Iodide	ug/L	17	35%	11	300	3000	2300	3000	3000	3000	6	3700	18000	31000	49000	74000	156000	--	--	--	--
	Ion Balance Difference	percent	17	100%	0	--	--	--	--	--	--	17	0.22	1.4	2.7	3.1	3.9	8.7	--	--	--	--
	Nitrate	ug/L	17	24%	13	5	50	33	50	50	50	4	11	43	230	590	1500	1900	10000	0	10000	0
	Nitrite	ug/L	17	0%	17	300	600	990	1100	1050	6000	0	--	--	--	--	--	--	1000	--	1000	--
	Orthophosphate	ug/L	17	6%	16	50	500	330	500	500	500	1	620	--	620	620	--	620	--	--	--	--
	Perchlorate	ug/L	15	40%	9	7.5	10	9.6	10	10	20	6	17.8	25	48	9500	14000	56500	--	--	18	5
	Sulfate	mg/L	17	100%	0	--	--	--	--	--	--	17	972	1200	1700	2000	2500	4740	--	--	--	--
Metals	Aluminum	ug/L	17	35%	11	7.2	18	17	18	18	36	6	31.8	93	350	320	530	548	--	--	36500	0
	Antimony	ug/L	17	6%	16	0.35	0.35	0.44	0.7	0.7	0.7	1	0.19	--	0.19	0.19	--	0.19	6	0	6	0
	Arsenic	ug/L	17	100%	0	--	--	--	--	--	--	17	23.1	110	140	180	230	611	10	17	10	17
	Barium	ug/L	17	100%	0	--	--	--	--	--	--	17	31.5	36	42	45	52	66.9	2000	0	2000	0
	Beryllium	ug/L	17	0%	17	0.28	0.4	0.48	0.8	0.8	0.8	0	--	--	--	--	--	--	4	--	4	--
	Boron	ug/L	17	100%	0	--	--	--	--	--	--	17	1080	1600	1800	2100	2500	4520	--	--	7300	0
	Cadmium	ug/L	17	0%	17	0.14	0.2	0.24	0.4	0.4	0.4	0	--	--	--	--	--	--	5	--	5	--
	Calcium	ug/L	17	100%	0	--	--	--	--	--	--	17	233000	320000	380000	530000	650000	1560000	--	--	--	--
	Chromium (Total)	ug/L	17	6%	16	2.5	2.5	3.2	5	5	5	1	1.1	--	1.1	1.1	--	1.1	100	0	100	0
	Chromium (VI)	ug/L	17	18%	14	3	3	29	19	18.75	300	3	10.4	10	19	16	19	18.5	100	0	100	0
	Cobalt	ug/L	17	71%	5	0.06	0.1	0.084	0.1	0.1	0.1	12	0.078	0.19	0.45	1.5	0.87	12.5	--	--	11	1
	Copper	ug/L	17	6%	16	1.5	2.8	3.3	5.6	5.6	5.6	1	6.5	--	6.5	6.5	--	6.5	1300	0	1360	0
	Iron	ug/L	17	88%	2	--	48	48	--	--	48	15	223	490	610	1900	1200	16800	--	--	25600	0
	Lead	ug/L	17	0%	17	0.63	0.9	1.1	1.8	1.8	1.8	0	--	--	--	--	--	--	15	--	15	--
	Lithium	ug/L	17	100%	0	--	--	--	--	--	--	17	259	410	520	540	640	1290	--	--	73	17
	Magnesium	ug/L	17	100%	0	--	--	--	--	--	--	17	132000	350000	410000	540000	610000	2020000	--	--	207000	14
	Manganese	ug/L	17	94%	1	--	1.6	1.6	--	--	1.6	16	34.1	240	660	920	1500	2620	--	--	510	9
	Mercury	ug/L	17	6%	16	0.027	0.027	0.027	0.027	0.027	0.027	1	0.029	--	0.029	0.029	--	0.029	2	0	10.95	0
	Molybdenum	ug/L	17	100%	0	--	--	--	--	--	--	17	1.8	17	27	27	32	72.6	--	--	180	0
	Nickel	ug/L	17	100%	0	--	--	--	--	--	--	17	1.2	2.5	3.3	3.5	4.8	6.5	--	--	730	0
	Potassium	ug/L	17	100%	0	--	--	--	--	--	--	17	16400	24000	33000	38000	43000	95800	--	--	--	--
	Selenium	ug/L	17	6%	16	3.5	3.5	4.4	7	7	7	1	1.4	--	1.4	1.4	--	1.4	50	0	50	0
	Silver	ug/L	17	0%	17	0.56	0.8	0.97	1.6	1.6	1.6	0	--	--	--	--	--	--	--	--	180	--
	Sodium	ug/L	17	100%	0	--	--	--	--	--	--	17	856000	1400000	4200000	4500000	6400000	16800000	--	--	--	--
	Strontium	ug/L	17	100%	0	--	--	--	--	--	--	17	5560	9700	16000	18000	22000	48900	--	--	21900	4
	Thallium	ug/L	16	31%	11	0.1	0.1	0.14	0.2	0.2	0.2	5	0.15	0.18	0.24	0.66	1.4	1.9	2	0	2	0
	Tin	ug/L	17	0%	17	0.6	0.85	1	1.7	1.7	1.7	0	--	--	--	--	--	--	--	--	21900	--
	Titanium	ug/L	17	76%	4	6	6	6	6	6	6	13	1.9	2.4	4.6	6	8	15.5	--	--	146000	0
	Tungsten	ug/L	17	0%	17	0.077	0.11	0.13	0.22	0.22	0.22	0	--	--	--	--	--	--	--	--	270	--
	Uranium	ug/L	17	100%	0	--	--	--	--	--	--	17	0.62	7.5	25	45	55	346	30	5	30	5
	Vanadium	ug/L	17	76%	4	0.7	0.7	0.7	0.7	0.7	0.7	13	0.32	2.2	7.2	33	18	227	--	--	180	1
	Zinc	ug/L	17	6%	16	10	10	13	20	20	20	1	23.5	--	24	24	--	23.5	--	--	11000	0

TABLE 3-2c
GROUNDWATER SUMMARY OF SAMPLE RESULTS–2ND QUARTER 2009 CAMU EVENT
1ST AND 2ND QUARTER 2009 GROUNDWATER MONITORING EVENTS
CAMU AREA, CLARK COUNTY, NEVADA

Parameter of Interest	Compound List	Units	Total Count	Detect Freq.	Censored (Non-Detect) Data							Detected Data[a]							MCL	Count of Detects > MCL	Water BCL	Count of Detects > BCL
					Count	Min	Q1	Median	Mean	Q3	Max	Count	Min	Q1	Median	Mean	Q3	Max				
Organochlorine Pesticides	2,4-DDD	ug/L	17	29%	12	0.011	0.011	0.011	0.011	0.011	0.011	5	0.17	0.18	0.21	0.42	0.76	1.2	--	--	--	--
	2,4-DDE	ug/L	17	29%	12	0.009	0.009	0.009	0.009	0.009	0.009	5	0.46	0.48	0.62	0.66	0.87	0.88	--	--	--	--
	4,4-DDD	ug/L	17	0%	17	0.0038	0.0038	0.0038	0.0038	0.0038	0.0038	0	--	--	--	--	--	--	--	--	0.28	--
	4,4-DDE	ug/L	17	6%	16	0.0027	0.0027	0.0027	0.0027	0.0027	0.0027	1	0.3	--	0.3	0.3	--	0.3	--	--	0.2	1
	4,4-DDT	ug/L	17	0%	17	0.0056	0.0056	0.0056	0.0056	0.0056	0.0056	0	--	--	--	--	--	--	--	--	0.2	--
	Aldrin	ug/L	17	6%	16	0.004	0.004	0.004	0.004	0.004	0.004	1	0.13	--	0.13	0.13	--	0.13	--	--	0.004	1
	alpha-BHC	ug/L	16	94%	1	--	0.0025	0.0025	--	--	0.0025	15	0.45	4.4	8.9	63	100	410	--	--	0.011	15
	alpha-Chlordane	ug/L	17	18%	14	0.003	0.003	0.003	0.003	0.003	0.003	3	0.12	0.12	0.23	0.29	0.53	0.53	--	--	--	--
	beta-BHC	ug/L	17	59%	7	0.013	0.013	0.013	0.013	0.013	0.013	10	2.3	18	31	41	68	84	--	--	0.037	10
	Chlordane	ug/L	17	0%	17	0.18	0.18	0.18	0.18	0.18	0.18	0	--	--	--	--	--	--	2	--	2	--
	delta-BHC	ug/L	17	100%	0	--	--	--	--	--	--	17	0.049	1.3	3.7	5.4	6.5	36	--	--	--	--
	Dieldrin	ug/L	17	12%	15	0.0023	0.0023	0.0023	0.0023	0.0023	0.0023	2	0.31	--	0.36	0.36	--	0.4	--	--	0.0042	2
	Endosulfan I	ug/L	17	18%	14	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	3	0.097	0.097	0.25	0.26	0.44	0.44	--	--	--	--
	Endosulfan II	ug/L	17	12%	15	0.01	0.01	0.01	0.01	0.01	0.01	2	0.24	--	0.39	0.39	--	0.54	--	--	--	--
	Endosulfan sulfate	ug/L	17	0%	17	0.017	0.017	0.017	0.017	0.017	0.017	0	--	--	--	--	--	--	--	--	--	--
	Endrin	ug/L	17	0%	17	0.0028	0.0028	0.0028	0.0028	0.0028	0.0028	0	--	--	--	--	--	--	2	--	2	--
	Endrin aldehyde	ug/L	17	12%	15	0.0032	0.0032	0.0032	0.0032	0.0032	0.0032	2	0.071	--	0.074	0.074	--	0.076	--	--	--	--
	Endrin ketone	ug/L	17	0%	17	0.016	0.016	0.016	0.016	0.016	0.016	0	--	--	--	--	--	--	--	--	--	--
	gamma-Chlordane	ug/L	17	12%	15	0.0027	0.0027	0.0027	0.0027	0.0027	0.0027	2	0.06	--	0.12	0.12	--	0.18	--	--	--	--
	Heptachlor	ug/L	17	12%	15	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	2	0.15	--	0.2	0.2	--	0.25	0.4	0	0.4	0
	Heptachlor epoxide	ug/L	17	0%	17	0.0032	0.0032	0.0032	0.0032	0.0032	0.0032	0	--	--	--	--	--	--	0.2	--	0.2	--
	Lindane	ug/L	17	71%	5	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	12	0.091	0.24	1.4	9.1	10	44	0.2	9	0.2	9
	Methoxychlor	ug/L	17	6%	16	0.005	0.005	0.005	0.005	0.005	0.005	1	0.052	--	0.052	0.052	--	0.052	40	0	40	0
	Toxaphene	ug/L	17	0%	17	0.33	0.33	0.33	0.33	0.33	0.33	0	--	--	--	--	--	--	3	--	3	--
Others	Methyl mercury	ng/L	16	50%	8	0.02	0.02	0.02	0.02	0.02	0.021	8	0.035	0.039	0.2	0.44	1	1.41	--	--	3.7	0
	White phosphorus	ug/L	16	0%	16	0.05	0.05	0.05	0.05	0.05	0.05	0	--	--	--	--	--	--	--	--	0.73	--
Polynuclear Aromatic Hydrocarbons	Acenaphthene	ug/L	14	21%	11	0.045	0.047	0.047	0.049	0.049	0.049	3	0.0543	0.054	0.24	0.18	0.25	0.25	--	--	2190	0
	Acenaphthylene	ug/L	14	0%	14	0.047	0.048	0.047	0.049	0.049	0.049	0	--	--	--	--	--	--	--	--	1100	--
	Anthracene	ug/L	14	0%	14	0.047	0.048	0.047	0.049	0.049	0.049	0	--	--	--	--	--	--	--	--	11000	--
	Benzo(a)anthracene	ug/L	14	0%	14	0.046	0.048	0.047	0.049	0.049	0.049	0	--	--	--	--	--	--	--	--	0.092	--
	Benzo(a)pyrene	ug/L	14	0%	14	0.047	0.048	0.047	0.049	0.049	0.049	0	--	--	--	--	--	--	0.2	--	0.2	--
	Benzo(b)fluoranthene	ug/L	14	0%	14	0.047	0.048	0.047	0.049	0.049	0.049	0	--	--	--	--	--	--	--	--	0.092	--
	Benzo(g,h,i)perylene	ug/L	14	0%	14	0.047	0.048	0.047	0.049	0.049	0.049	0	--	--	--	--	--	--	--	--	1100	--
	Benzo(k)fluoranthene	ug/L	14	0%	14	0.047	0.048	0.047	0.049	0.049	0.049	0	--	--	--	--	--	--	--	--	0.92	--
	Chrysene	ug/L	14	0%	14	0.047	0.048	0.047	0.049	0.049	0.049	0	--	--	--	--	--	--	--	--	9.2	--
	Dibenzo(a,h)anthracene	ug/L	14	0%	14	0.047	0.048	0.047	0.049	0.049	0.049	0	--	--	--	--	--	--	--	--	0.0092	--
	Indeno(1,2,3-cd)pyrene	ug/L	14	0%	14	0.047	0.048	0.047	0.049	0.049	0.049	0	--	--	--	--	--	--	--	--	0.092	--
	Phenanthrene	ug/L	14	0%	14	0.047	0.048	0.047	0.049	0.049	0.049	0	--	--	--	--	--	--	--	--	1100	--
	Pyrene	ug/L	14	0%	14	0.047	0.048	0.047	0.049	0.049	0.049	0	--	--	--	--	--	--	--	--	1100	--
Polychlorinated Biphenyls	PCB 105	pg/L	13	0%	13	20	20	20	20	20	20	0	--	--	--	--	--	--	--	--	--	--
	PCB 114	pg/L	13	0%	13	20	20	20	20	20	20	0	--	--	--	--	--	--	--	--	--	--
	PCB 118	pg/L	13	0%	13	20	20	20	20	20	20	0	--	--	--	--	--	--	--	--	--	--
	PCB 123	pg/L	13	0%	13	20	20	20	20	20	20	0	--	--	--	--	--	--	--	--	--	--
	PCB 126	pg/L	13	0%	13	20	20	20	20	20	20	0	--	--	--	--	--	--	--	--	--	--
	PCB 156	pg/L	13	0%	13	20	20	20	20	20	20	0	--	--	--	--	--	--	--	--	--	--
	PCB 157	pg/L	13	0%	13	20	20	20	20	20	20	0	--	--	--	--	--	--	--	--	--	--
	PCB 167	pg/L	13	0%	13	20	20	20	20	20	20	0	--	--	--	--	--	--	--	--	--	--
	PCB 169	pg/L	13	0%	13	20	20	20	20	20	20	0	--	--	--	--	--	--	--	--	--	--
	PCB 189	pg/L	13	0%	13	20	20	20	20	20	20	0	--	--	--	--	--	--	--	--	--	--
	PCB 209	pg/L	13	0%	13	20	20	20	20	20	20	0	--	--	--	--	--	--	--	--	--	--
	PCB 77	pg/L	13	0%	13	20	20	20	20	20	20	0	--	--	--	--	--	--	--	--	--	--
	PCB 81	pg/L	13	0%	13	20	20	20	20	20	20	0	--	--	--	--	--	--	--	--	--	--
Radionuclides	Radium-226	pCi/L	15	67%	5	--	--	--	--	--	--	10	0.169	0.35	0.98	1.2	1.7	3.41	--	--	--	--
	Radium-226/228	pCi/L	15	--	--	--	--	--	--	--	--	15	0.54	1.5	2.5	3.2	4	11.9	5	1	--	--
	Radium-228	pCi/L	15	60%	6	--	--	--	--	--	--	9	0.37	0.7	1.2	2	2.3	10.4	--	--	--	--
	Radon-222	pCi/L	15	93%	1	--	--	--	--	--	--	14	16.5	270	430	440	710	926	4000	0	300	10
	Thorium-228	pCi/L	0	--	--	--	--	--	--	--	--	0	--	--	--	--	--	--	--	--	--	--
	Thorium-230	pCi/L	0	--	--	--	--	--	--	--	--	0	--	--	--	--	--	--	--	--	--	--
	Thorium-232	pCi/L	0	--	--	--	--	--	--	--	--	0	--	--	--	--	--	--	--	--	--	--
	Uranium-233/234	pCi/L	0	--	--	--	--	--	--	--	--	0	--	--	--	--	--	--	--	--	--	--
	Uranium-235/236	pCi/L	0	--	--	--	--	--	--	--	--	0	--	--	--	--	--	--	--	--	--	--
	Uranium-238	pCi/L	0	--	--	--	--	--	--	--	--	0	--	--	--	--	--	--	--	--	--	--

TABLE 3-2c
GROUNDWATER SUMMARY OF SAMPLE RESULTS–2ND QUARTER 2009 CAMU EVENT
1ST AND 2ND QUARTER 2009 GROUNDWATER MONITORING EVENTS
CAMU AREA, CLARK COUNTY, NEVADA
(Page 3 of 5)

Parameter of Interest	Compound List	Units	Total Count	Detect Freq.	Censored (Non-Detect) Data							Detected Data[a]							MCL	Count of Detects > MCL	Water BCL	Count of Detects > BCL
					Count	Min	Q1	Median	Mean	Q3	Max	Count	Min	Q1	Median	Mean	Q3	Max				
Semi-Volatile Organic Compounds	1,2,4,5-Tetrachlorobenzene	ug/L	14	14%	12	1.8	1.9	14	1.9	1.9	76	2	3.07	--	3.6	3.6	--	4.22	--	--	11	0
	1,2-Diphenylhydrazine	ug/L	14	0%	14	1.9	1.9	12	1.9	1.925	76	0	--	--	--	--	--	--	--	--	0.084	--
	1,4-Dioxane	ug/L	14	29%	10	0.94	0.96	8.3	10	10.2275	38	4	1.23	1.3	2.9	3.3	5.7	6.08	--	--	6.1	0
	2,2'-/4,4'-Dichlorobenzil	ug/L	14	0%	14	3.1	3.2	21	3.2	3.2	126	0	--	--	--	--	--	--	--	--	10.95	--
	2,4,5-Trichlorophenol	ug/L	14	21%	11	0.94	0.96	7.7	0.97	0.97	38	3	3.04	3	3.5	3.4	3.7	3.66	--	--	3650	0
	2,4,6-Trichlorophenol	ug/L	14	21%	11	1.9	1.9	15	1.9	1.9	76	3	4.01	4	4.2	14	33	32.5	--	--	6.1	1
	2,4-Dichlorophenol	ug/L	14	43%	8	1.9	1.9	20	57	57.475	76	6	2.12	3.7	17	20	31	54.9	--	--	110	0
	2,4-Dimethylphenol	ug/L	14	0%	14	1.9	1.9	12	1.9	1.925	76	0	--	--	--	--	--	--	--	--	730	--
	2,4-Dinitrophenol	ug/L	14	0%	14	9.3	9.6	62	9.7	9.725	381	0	--	--	--	--	--	--	--	--	73	--
	2,4-Dinitrotoluene	ug/L	14	0%	14	1.9	1.9	12	1.9	1.925	76	0	--	--	--	--	--	--	--	--	0.22	--
	2,6-Dinitrotoluene	ug/L	14	0%	14	1.9	1.9	12	1.9	1.925	76	0	--	--	--	--	--	--	--	--	37	--
	2-Chloronaphthalene	ug/L	14	0%	14	0.33	0.34	2.1	0.34	0.34	13	0	--	--	--	--	--	--	--	--	2920	--
	2-Chlorophenol	ug/L	14	29%	10	1.9	1.9	17	20	20.425	76	4	23.6	24	35	43	70	79.4	--	--	180	0
	2-Methylnaphthalene	ug/L	14	14%	12	0.28	0.29	2.1	0.29	0.29	11	2	0.296	--	0.4	0.4	--	0.508	--	--	--	--
	2-Nitroaniline	ug/L	14	0%	14	1.9	1.9	12	1.9	1.925	76	0	--	--	--	--	--	--	--	--	110	--
	2-Nitrophenol	ug/L	14	0%	14	1.9	1.9	12	1.9	1.925	76	0	--	--	--	--	--	--	--	--	--	--
	3,3-Dichlorobenzidine	ug/L	14	0%	14	0.93	0.96	6.2	0.97	0.9725	38	0	--	--	--	--	--	--	--	--	0.15	--
	3-Nitroaniline	ug/L	14	0%	14	1.9	1.9	12	1.9	1.925	76	0	--	--	--	--	--	--	--	--	--	--
	4-Bromophenyl phenyl ether	ug/L	14	0%	14	1.9	1.9	12	1.9	1.925	76	0	--	--	--	--	--	--	--	--	--	--
	4-Chloro-3-methylphenol	ug/L	14	0%	14	1.9	1.9	12	1.9	1.925	76	0	--	--	--	--	--	--	--	--	--	--
	4-Chlorophenyl phenyl ether	ug/L	14	0%	14	1.9	1.9	12	1.9	1.925	76	0	--	--	--	--	--	--	--	--	--	--
	4-Chlorothioanisole	ug/L	14	7%	13	3.1	3.1	22	3.2	3.2	126	1	6.89	--	6.9	6.9	--	6.89	--	--	--	--
	4-Nitroaniline	ug/L	14	0%	14	2.8	2.9	19	2.9	2.9	114	0	--	--	--	--	--	--	--	--	--	--
	4-Nitrophenol	ug/L	14	0%	14	1.9	1.9	12	1.9	1.925	76	0	--	--	--	--	--	--	--	--	290	--
	Acetophenone	ug/L	14	14%	12	1.9	1.9	14	1.9	1.9	76	2	2.27	--	2.5	2.5	--	2.77	--	--	3650	0
	Aniline	ug/L	14	0%	14	2.4	2.4	16	2.4	2.425	95	0	--	--	--	--	--	--	--	--	12	--
	Benzenethiol	ug/L	14	50%	7	5.9	6.2	6.1	6.3	6.3	6.4	7	9.72	15	23	250	500	1120	--	--	--	--
	Benzoic acid	ug/L	14	0%	14	5.6	5.8	38	5.8	5.825	229	0	--	--	--	--	--	--	--	--	146000	--
	Benzyl alcohol	ug/L	14	0%	14	1.9	1.9	12	1.9	1.925	76	0	--	--	--	--	--	--	--	--	18300	--
	bis(2-Chloroethoxy)methane	ug/L	14	0%	14	2.8	2.9	19	2.9	2.9	114	0	--	--	--	--	--	--	--	--	--	--
	bis(2-Chloroethyl) ether	ug/L	14	0%	14	1.9	1.9	12	1.9	1.925	76	0	--	--	--	--	--	--	--	--	0.054	--
	bis(2-Chloroisopropyl) ether	ug/L	14	0%	14	1.9	1.9	12	1.9	1.925	76	0	--	--	--	--	--	--	--	--	0.9	--
	bis(2-Ethylhexyl)phthalate	ug/L	14	0%	14	1.9	1.9	12	1.9	1.925	76	0	--	--	--	--	--	--	6	--	6	--
	bis(p-Chlorophenyl) sulfone	ug/L	14	0%	14	3.1	3.2	21	3.2	3.2	126	0	--	--	--	--	--	--	--	--	--	--
	bis(p-Chlorophenyl)disulfide	ug/L	14	36%	9	3	3.1	3	3.2	3.15	3.2	5	15.7	17	21	98	220	222	--	--	--	--
	Butylbenzyl phthalate	ug/L	14	0%	14	1.9	1.9	12	1.9	1.925	76	0	--	--	--	--	--	--	--	--	7300	--
	Carbazole	ug/L	14	0%	14	0.19	0.19	1.2	0.19	0.1925	7.6	0	--	--	--	--	--	--	--	--	3.4	--
	Dibenzofuran	ug/L	14	0%	14	1.9	1.9	12	1.9	1.925	76	0	--	--	--	--	--	--	--	--	73	--
	Diethyl phthalate	ug/L	14	0%	14	1.9	1.9	12	1.9	1.925	76	0	--	--	--	--	--	--	--	--	29200	--
	Dimethyl phthalate	ug/L	14	0%	14	1.9	1.9	12	1.9	1.925	76	0	--	--	--	--	--	--	--	--	365000	--
	Di-n-butyl phthalate	ug/L	14	0%	14	1.9	1.9	12	1.9	1.925	76	0	--	--	--	--	--	--	--	--	3650	--
	Di-n-octyl phthalate	ug/L	14	0%	14	2.8	2.9	19	2.9	2.9	114	0	--	--	--	--	--	--	--	--	--	--
	Diphenyl disulfide	ug/L	14	50%	7	3	3.1	3	3.1	3.1	3.2	7	4.37	4.4	33	740	2500	2590	--	--	--	--
	Diphenyl sulfide	ug/L	14	0%	14	3.1	3.2	21	3.2	3.2	126	0	--	--	--	--	--	--	--	--	--	--
	Diphenyl sulfone	ug/L	14	0%	14	3.1	3.2	21	3.2	3.2	126	0	--	--	--	--	--	--	--	--	110	--
	Diphenylamine	ug/L	14	0%	14	2.8	2.9	19	2.9	2.9	114	0	--	--	--	--	--	--	--	--	910	--
	Fluoranthene	ug/L	14	0%	14	0.19	0.19	1.2	0.19	0.1925	7.6	0	--	--	--	--	--	--	--	--	1460	--
	Fluorene	ug/L	14	0%	14	0.19	0.19	1.2	0.19	0.1925	7.6	0	--	--	--	--	--	--	--	--	1460	--
	Hexachlorobenzene	ug/L	14	0%	14	1.9	1.9	12	1.9	1.925	76	0	--	--	--	--	--	--	1	--	1	--
	Hexachlorobutadiene	ug/L	14	0%	14	1.9	1.9	12	1.9	1.925	76	0	--	--	--	--	--	--	--	--	0.86	--
	Hexachlorocyclopentadiene	ug/L	14	0%	14	1.9	1.9	12	1.9	1.925	76	0	--	--	--	--	--	--	50	--	50	--
	Hexachloroethane	ug/L	14	0%	14	1.9	1.9	12	1.9	1.925	76	0	--	--	--	--	--	--	--	--	4.8	--
	Hydroxymethyl phthalimide	ug/L	14	0%	14	3.1	3.2	21	3.2	3.2	126	0	--	--	--	--	--	--	--	--	--	--
	Isophorone	ug/L	14	0%	14	1.9	1.9	12	1.9	1.925	76	0	--	--	--	--	--	--	--	--	71	--
	m,p-Cresols	ug/L	14	0%	14	2.8	2.9	19	2.9	2.9	114	0	--	--	--	--	--	--	--	--	--	--
	Naphthalene	ug/L	14	29%	10	0.28	0.29	2.4	3	2.9675	11	4	1.52	1.7	2.2	2.1	2.4	2.5	--	--	4.3	0
	Nitrobenzene	ug/L	14	0%	14	2.8	2.9	19	2.9	2.9	114	0	--	--	--	--	--	--	--	--	3.7	--
	N-nitrosodi-n-propylamine	ug/L	14	0%	14	1.9	1.9	12	1.9	1.925	76	0	--	--	--	--	--	--	--	--	0.0096	--
	o-Cresol	ug/L	14	0%	14	1.9	1.9	12	1.9	1.925	76	0	--	--	--	--	--	--	--	--	1830	--
	Octachlorostyrene	ug/L	14	0%	14	3.1	3.2	21	3.2	3.2	126	0	--	--	--	--	--	--	--	--	--	--

TABLE 3-2c
GROUNDWATER SUMMARY OF SAMPLE RESULTS–2ND QUARTER 2009 CAMU EVENT
1ST AND 2ND QUARTER 2009 GROUNDWATER MONITORING EVENTS
CAMU AREA, CLARK COUNTY, NEVADA
(Page 4 of 5)

Parameter of Interest	Compound List	Units	Total Count	Detect Freq.	Censored (Non-Detect) Data							Detected Data[a]							MCL	Count of Detects > MCL	Water BCL	Count of Detects > BCL
					Count	Min	Q1	Median	Mean	Q3	Max	Count	Min	Q1	Median	Mean	Q3	Max				
Semi-Volatile Organic Compounds	p-Chloroaniline	ug/L	14	0%	14	1.9	1.9	12	1.9	1.925	76	0	--	--	--	--	--	--	--	--	150	--
	p-Chlorobenzenethiol	ug/L	14	50%	7	3	3.1	3	3.1	3.1	3.2	7	7.12	7.6	47	120	280	420	--	--	--	--
	Pentachlorobenzene	ug/L	14	0%	14	1.9	1.9	12	1.9	1.925	76	0	--	--	--	--	--	--	--	--	29	--
	Pentachlorophenol	ug/L	14	14%	12	1.9	1.9	14	1.9	1.9	76	2	11.5	--	12	12	--	12.9	1	2	1	2
	Phenol	ug/L	14	21%	11	0.94	0.96	7.7	0.97	0.97	38	3	1.73	1.7	3.2	3	4	3.95	--	--	11000	0
	Pyridine	ug/L	14	0%	14	0.93	0.96	6.2	0.97	0.9725	38	0	--	--	--	--	--	--	--	--	37	--
Volatile Organic Compounds	1,1,1,2-Tetrachloroethane	ug/L	16	0%	16	0.16	0.16	0.16	0.16	0.16	0.16	0	--	--	--	--	--	--	--	--	2.3	--
	1,1,1-Trichloroethane	ug/L	16	0%	16	0.088	0.088	0.088	0.088	0.088	0.088	0	--	--	--	--	--	--	200	--	200	--
	1,1,2,2-Tetrachloroethane	ug/L	16	0%	16	0.11	0.11	0.11	0.11	0.11	0.11	0	--	--	--	--	--	--	--	--	0.3	--
	1,1,2-Trichloroethane	ug/L	16	56%	7	0.071	0.071	0.071	0.071	0.071	0.071	9	0.22	0.51	3.8	6.6	15	20	5	3	5	3
	1,1,2-Trifluoro-1,2,2-trichloroethane (Freon-113)	ug/L	16	0%	16	0.12	0.12	0.12	0.12	0.12	0.12	0	--	--	--	--	--	--	--	--	876000	--
	1,1-Dichloroethane	ug/L	16	100%	0	--	--	--	--	--	--	16	1.5	6.5	17	22	37	88	--	--	12	9
	1,1-Dichloroethene	ug/L	16	56%	7	0.11	0.11	0.11	0.11	0.11	0.11	9	0.12	0.23	0.45	0.59	1.1	1.2	7	0	7	0
	1,1-Dichloropropene	ug/L	16	13%	14	0.068	0.068	0.068	0.068	0.068	0.068	2	0.47	--	0.79	0.79	--	1.1	--	--	--	--
	1,2,3-Trichlorobenzene	ug/L	16	81%	3	0.16	0.16	0.16	0.16	0.16	0.16	13	0.4	1.7	4.1	14	33	47	--	--	--	--
	1,2,3-Trichloropropane	ug/L	16	0%	16	0.23	0.23	0.23	0.23	0.23	0.23	0	--	--	--	--	--	--	--	--	0.034	--
	1,2,4-Trichlorobenzene	ug/L	16	81%	3	0.16	0.16	53	160	160	160	13	0.24	5.1	37	110	220	460	70	4	70	4
	1,2,4-Trimethylbenzene	ug/L	16	19%	13	0.062	0.062	0.062	0.062	0.062	0.062	3	0.13	0.13	0.44	0.34	0.46	0.46	--	--	51	0
	1,2-Dichlorobenzene	ug/L	16	100%	0	--	--	--	--	--	--	16	0.37	26	200	620	1100	2200	600	6	600	6
	1,2-Dichloroethane	ug/L	16	94%	1	--	50	50	--	--	50	15	1	3.1	12	18	27	59	5	10	5	10
	1,2-Dichloroethene	ug/L	16	13%	14	0.21	0.21	0.21	0.21	0.21	0.21	2	0.34	--	0.61	0.61	--	0.88	--	--	--	--
	1,2-Dichloropropane	ug/L	16	38%	10	0.054	0.054	0.054	0.054	0.054	0.054	6	0.074	0.089	0.13	0.19	0.31	0.44	5	0	5	0
	1,3,5-Trichlorobenzene	ug/L	16	44%	9	0.12	0.12	0.12	0.12	0.12	0.12	7	0.38	0.74	1.4	1.2	1.8	1.8	--	--	--	--
	1,3,5-Trimethylbenzene	ug/L	16	19%	13	0.11	0.11	0.11	0.11	0.11	0.11	3	0.17	0.17	0.17	0.23	0.35	0.35	--	--	590	0
	1,3-Dichlorobenzene	ug/L	16	81%	3	0.081	0.081	27	81	81	81	13	0.21	3.5	20	33	41	130	--	--	110	2
	1,3-Dichloropropane	ug/L	16	0%	16	0.053	0.053	0.053	0.053	0.053	0.053	0	--	--	--	--	--	--	--	--	730	--
	1,4-Dichlorobenzene	ug/L	16	100%	0	--	--	--	--	--	--	16	0.51	25	330	880	1300	3900	75	11	75	11
	2,2,3-Trimethylbutane	ug/L	16	0%	16	0.23	0.23	0.23	0.23	0.23	0.23	0	--	--	--	--	--	--	--	--	--	--
	2,2-Dichloropropane	ug/L	16	0%	16	0.1	0.1	0.1	0.1	0.1	0.1	0	--	--	--	--	--	--	--	--	--	--
	2,2-Dimethylpentane	ug/L	16	0%	16	0.16	0.16	0.16	0.16	0.16	0.16	0	--	--	--	--	--	--	--	--	--	--
	2,3-Dimethylpentane	ug/L	16	13%	14	0.18	0.18	0.18	0.18	0.18	0.18	2	0.39	--	4.6	4.6	--	8.9	--	--	--	--
	2,4-Dimethylpentane	ug/L	16	0%	16	0.19	0.19	0.19	0.19	0.19	0.19	0	--	--	--	--	--	--	--	--	--	--
	2-Chlorotoluene	ug/L	16	63%	6	0.11	0.11	0.11	0.11	0.11	0.11	10	0.49	0.53	2	3.5	5.6	12	--	--	730	0
	2-Hexanone	ug/L	16	6%	15	1.3	1.3	1.3	1.3	1.3	1.3	1	1.6	--	1.6	1.6	--	1.6	--	--	--	--
	2-Methylhexane	ug/L	16	25%	12	0.15	0.15	0.15	0.15	0.15	0.15	4	0.79	0.87	4.4	4.8	9.3	9.9	--	--	--	--
	2-Nitropropane	ug/L	16	0%	16	1.1	1.1	1.1	1.1	1.1	1.1	0	--	--	--	--	--	--	--	--	0.0063	--
	3,3-Dimethylpentane	ug/L	16	31%	11	0.2	0.2	0.2	0.2	0.2	0.2	5	0.41	0.43	0.78	0.77	1.1	1.1	--	--	--	--
	3-Ethylpentane	ug/L	16	19%	13	0.089	0.089	0.089	0.089	0.089	0.089	3	0.11	0.11	0.64	0.98	2.2	2.2	--	--	--	--
	3-Methylhexane	ug/L	16	31%	11	0.17	0.17	0.17	0.17	0.17	0.17	5	0.29	0.61	1.1	3.1	6.5	6.7	--	--	--	--
	4-Chlorotoluene	ug/L	16	63%	6	0.095	0.095	0.095	0.095	0.095	0.095	10	0.24	0.43	1.7	3.1	5	11	--	--	--	--
	Acetone	ug/L	14	64%	5	0.42	0.42	0.42	0.42	0.42	0.42	9	0.46	0.72	0.87	5.5	8.7	27	--	--	32600	0
	Acetonitrile	ug/L	16	0%	16	4.2	4.2	4.2	4.2	4.2	4.2	0	--	--	--	--	--	--	--	--	440	--
	Benzene	ug/L	16	94%	1	--	0.06	0.06	--	--	0.06	15	1.3	11	2300	18000	43000	69000	5	13	5	13
	Bromobenzene	ug/L	16	44%	9	0.084	0.084	0.084	0.084	0.084	0.084	7	0.11	0.21	0.64	0.94	1.7	2.1	--	--	490	0
	Bromodichloromethane	ug/L	16	25%	12	0.098	0.098	0.098	0.098	0.098	0.098	4	0.71	0.75	0.91	0.91	1.1	1.1	--	--	1.1	0
	Bromoform	ug/L	16	0%	16	0.15	0.15	0.15	0.15	0.15	0.15	0	--	--	--	--	--	--	--	--	8.5	--
	Bromomethane	ug/L	16	0%	16	0.096	0.096	0.096	0.096	0.096	0.096	0	--	--	--	--	--	--	--	--	48	--
	Carbon disulfide	ug/L	16	25%	12	0.52	0.52	0.52	0.52	0.52	0.52	4	0.74	0.8	4.4	75	220	290	--	--	3520	0
	Carbon tetrachloride	ug/L	16	6%	15	0.073	0.073	0.073	0.073	0.073	0.073	1	0.4	--	0.4	0.4	--	0.4	5	0	5	0
	Chlorobenzene	ug/L	16	100%	0	--	--	--	--	--	--	16	2.2	630	3900	15000	37000	57000	100	14	100	14
	Chlorobromomethane	ug/L	16	0%	16	0.12	0.12	0.12	0.12	0.12	0.12	0	--	--	--	--	--	--	--	--	--	--
	Chloroethane	ug/L	16	25%	12	0.085	0.085	0.085	0.085	0.085	0.085	4	0.13	0.19	0.6	0.73	1.4	1.6	--	--	23	0
	Chloroform	ug/L	16	81%	3	0.067	0.067	0.067	0.067	0.067	0.067	13	0.22	1	44	1500	3600	7200	--	--	1.6	9
	Chloromethane	ug/L	16	75%	4	0.086	0.086	0.086	0.086	0.086	0.086	12	0.22	0.27	0.37	0.44	0.53	1	--	--	81	0
	cis-1,2-Dichloroethene	ug/L	16	19%	13	0.14	0.14	0.14	0.14	0.14	0.14	3	0.18	0.18	0.22	0.4	0.79	0.79	70	0	70	0
	cis-1,3-Dichloropropene	ug/L	16	0%	16	0.099	0.099	0.099	0.099	0.099	0.099	0	--	--	--	--	--	--	--	--	--	--
	Cymene	ug/L	16	0%	16	0.11	0.11	0.11	0.11	0.11	0.11	0	--	--	--	--	--	--	--	--	--	--
	Dibromochloromethane	ug/L	16	13%	14	0.21	0.21	0.21	0.21	0.21	0.21	2	0.87	--	0.99	0.99	--	1.1	--	--	0.7	2
	Dibromochloropropane	ug/L	16	0%	16	0.2	0.2	0.2	0.2	0.2	0.2	0	--	--	--	--	--	--	0.2	--	0.2	--
	Dibromomethane	ug/L	16	0%	16	0.095	0.095	0.095	0.095	0.095	0.095	0	--	--	--	--	--	--	--	--	370	--
	Dichlorodifluoromethane (Freon-12)	ug/L	16	0%	16	0.058	0.058	0.058	0.058	0.058	0.058	0	--	--	--	--	--	--	--	--	5840	--
	Dichloromethane	ug/L	16	50%	8	0.1	0.1	0.1	0.1	0.1	0.1	8	0.1	0.34	2.8	430	1100	1900	5	2	5	2
	Dimethyldisulfide	ug/L	16	0%	16	0.27	0.27	0.27	0.27	0.27	0.27	0	--	--	--	--	--	--	--	--	--	--

TABLE 3-2c
GROUNDWATER SUMMARY OF SAMPLE RESULTS–2ND QUARTER 2009 CAMU EVENT
1ST AND 2ND QUARTER 2009 GROUNDWATER MONITORING EVENTS
CAMU AREA, CLARK COUNTY, NEVADA
(Page 5 of 5)

Parameter of Interest	Compound List	Units	Total Count	Detect Freq.	Censored (Non-Detect) Data							Detected Data[a]							MCL	Count of Detects > MCL	Water BCL	Count of Detects > BCL
					Count	Min	Q1	Median	Mean	Q3	Max	Count	Min	Q1	Median	Mean	Q3	Max				
Volatile Organic Compounds	Ethanol	ug/L	16	0%	16	85	85	85	85	85	85	0	--	--	--	--	--	--	--	--	--	--
	Ethylbenzene	ug/L	16	0%	16	0.11	0.11	0.11	0.11	0.11	0.11	0	--	--	--	--	--	--	700	--	700	--
	Heptane	ug/L	16	0%	16	0.12	0.12	0.12	0.12	0.12	0.12	0	--	--	--	--	--	--	--	--	--	--
	Isopropylbenzene	ug/L	16	19%	13	0.096	0.096	0.096	0.096	0.096	0.096	3	0.15	0.15	0.16	0.25	0.45	0.45	--	--	3440	0
	m,p-Xylene	ug/L	16	0%	16	0.19	0.19	0.19	0.19	0.19	0.19	0	--	--	--	--	--	--	--	--	42600	--
	Methyl ethyl ketone	ug/L	16	13%	14	0.83	0.83	0.83	0.83	0.83	0.83	2	1.7	--	3	3	--	4.3	--	--	21300	0
	Methyl iodide	ug/L	16	0%	16	0.091	0.091	0.091	0.091	0.091	0.091	0	--	--	--	--	--	--	--	--	--	--
	Methyl isobutyl ketone	ug/L	16	13%	14	0.32	0.32	0.32	0.32	0.32	0.32	2	1.3	--	1.7	1.7	--	2	--	--	2900	0
	MTBE (Methyl tert-butyl ether)	ug/L	16	0%	16	0.098	0.098	0.098	0.098	0.098	0.098	0	--	--	--	--	--	--	--	--	35	--
	n-Butyl benzene	ug/L	16	6%	15	0.12	0.12	0.12	0.12	0.12	0.12	1	0.12	--	0.12	0.12	--	0.12	--	--	370	0
	Nonanal	ug/L	16	0%	16	1.2	1.2	1.2	1.2	1.2	1.2	0	--	--	--	--	--	--	--	--	--	--
	n-Propylbenzene	ug/L	16	31%	11	0.093	0.093	0.093	0.093	0.093	0.093	5	0.22	0.22	0.43	0.5	0.83	0.91	--	--	370	0
	o-Xylene	ug/L	16	50%	8	0.055	0.055	0.055	0.055	0.055	0.055	8	0.1	0.22	1.4	1.8	3.3	4.3	--	--	42600	0
	sec-Butylbenzene	ug/L	16	19%	13	0.085	0.085	0.085	0.085	0.085	0.085	3	0.59	0.59	0.71	0.69	0.76	0.76	--	--	370	0
	Styrene	ug/L	16	0%	16	0.042	0.042	0.042	0.042	0.042	0.042	0	--	--	--	--	--	--	100	--	100	--
	tert-Butyl benzene	ug/L	16	0%	16	0.11	0.11	0.11	0.11	0.11	0.11	0	--	--	--	--	--	--	--	--	370	--
	Tetrachloroethene	ug/L	16	63%	6	0.065	3.3	23	65	65	65	10	0.082	1.2	7.8	26	45	96	5	5	5	5
	Toluene	ug/L	16	69%	5	0.07	0.07	28	70	70	70	11	0.084	0.26	2.1	10	27	37	1000	0	1000	0
	Total Trihalomethanes	ug/L	16	81%	3	0.3	0.3	0.3	0.3	0.3	0.3	13	0.4	1.2	44	1500	3600	7201	80	5	--	--
	trans-1,2-Dichloroethene	ug/L	16	25%	12	0.081	0.081	0.081	0.081	0.081	0.081	4	0.092	0.093	0.096	0.1	0.11	0.12	100	0	100	0
	trans-1,3-Dichloropropene	ug/L	16	0%	16	0.23	0.23	0.23	0.23	0.23	0.23	0	--	--	--	--	--	--	--	--	--	--
	Trichloroethene	ug/L	16	88%	2	--	0.091	0.091	--	--	0.091	14	0.16	1.3	2.1	7.5	6	63	5	4	5	4
	Trichlorofluoromethane (Freon-11)	ug/L	16	0%	16	0.11	0.11	0.11	0.11	0.11	0.11	0	--	--	--	--	--	--	--	--	9890	--
	Vinyl acetate	ug/L	16	0%	16	0.23	0.23	0.23	0.23	0.23	0.23	0	--	--	--	--	--	--	--	--	16200	--
	Vinyl chloride	ug/L	16	31%	11	0.091	0.091	0.091	0.091	0.091	0.091	5	0.2	0.31	0.63	0.58	0.84	0.92	2	0	2	0
	Xylenes (total)	ug/L	16	38%	10	0.22	0.22	0.22	0.22	0.22	0.22	6	0.4	1.1	2.2	2.3	3.6	4.3	10000	0	10000	0
Water Quality Parameters	Bicarbonate alkalinity	mg/L	17	100%	0	--	--	--	--	--	--	17	94	190	310	340	470	840	--	--	--	--
	Carbonate alkalinity	mg/L	17	0%	17	0.31	0.31	0.54	0.46	0.46	1.5	0	--	--	--	--	--	--	--	--	--	--
	Hardness, Total	mg/L	17	100%	0	--	--	--	--	--	--	17	747	1700	2600	3400	4100	12200	--	--	--	--
	Hydroxide alkalinity	mg/L	17	0%	17	0.31	0.31	0.31	0.31	0.31	0.31	0	--	--	--	--	--	--	--	--	--	--
	Total Alkalinity	mg/L	17	100%	0	--	--	--	--	--	--	17	94	190	310	340	470	840	--	--	--	--
	Total Dissolved Solids	mg/L	17	100%	0	--	--	--	--	--	--	17	3160	5900	11000	13000	16000	57500	500	17	--	--

Notes:

BCL = Basic Comparison Levels (BCLs) from NDEP 2009b.
Max = Maximum
Min = Minimum
Q1 = 1st quartile (25th percentile)
Q3 = 3rd quartile (75th percentile)
Because both non-detect and detected radionuclides have reported activity levels, calculated summary statistics (and exceedances of comparison levels) are presented as detected regardless of the lab detect flag. Lab detect flags are represented by the censored (non-detect) and detect count fields in the table.
Values for Q1, median, mean, and Q3 are rounded to 2 significant figures. BCLs are rounded to 2 significant figures.
a - Range of detections include estimated values of detect results between the detection limit and reporting limit. As such some minimum detected concentrations may be below the minimum reporting limit. In these cases the respective sample results are flagged in the dataset.
b - TCDD TEQ values are calculated from congener-specific concentrations (including PCB congeners). An individual TCDD TEQ value may include detect and non-detect congeners. Therefore, the number of detects and non-detects, and a frequency of detection for TCDD TEQ are not presented.
-- = Not applicable or no value has been established.

TABLE 3-3
VOLATILE ORGANIC COMPOUND (VOC) RESULTS
1ST AND 2ND QUARTER 2009 GROUNDWATER MONITORING EVENTS
CAMU AREA, CLARK COUNTY, NEVADA
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Location	Well ID	DVSR	Sample Type	Sample Date	1,1,1,2-Tetrachloroethane	1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1,2-Trifluoro-1,2,2-trichloroethane (Freon-113)	1,1-Dichloroethane	1,1-Dichloroethene
				Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
				MCL	--	200	--	5	--	--	7
				BCL	2.3	200	0.3	5	876000	12	7
Cross-Gradient	AA-BW-01A	30	N	04/21/05	< 90 U	< 80 U	< 80 U	< 70 U	< 140 U	< 70 U	< 40 U
Cross-Gradient	AA-BW-01A	49	N	10/24/07	< 0.1 UJ	< 0.1 UJ	< 0.14 UJ	< 0.092 UJ	< 0.056 UJ	88 J	0.56 J
Cross-Gradient	AA-BW-01A	55a	N	01/19/09	< 0.1 U	< 0.099 U	< 0.27 U	< 0.19 U	< 0.072 U	91 J-	0.45 J
Cross-Gradient	AA-BW-01A	55b	N	04/27/09	< 0.16 UJ	< 0.088 UJ	< 0.11 UJ	< 0.071 UJ	< 0.12 UJ	88 J	0.45 J
Cross-Gradient	AA-BW-02A	30	N	04/14/05	< 0.09 U	< 0.08 U	< 0.08 U	< 0.07 U	< 0.14 U	17	< 0.04 U
Cross-Gradient	AA-BW-02A	30	FD	04/14/05	< 0.09 U	< 0.08 U	< 0.08 U	< 0.07 U	< 0.14 U	17	< 0.04 U
Cross-Gradient	AA-BW-02A	49	N	10/29/07	< 0.1 U	< 0.1 U	< 0.14 U	< 0.092 U	< 0.056 U	21	< 0.045 U
Cross-Gradient	AA-BW-02A	55a	N	01/19/09	< 0.1 U	< 0.099 U	< 0.27 U	< 0.19 U	< 0.072 U	21	< 0.085 U
Cross-Gradient	AA-BW-02A	55a	FD	01/30/09	< 0.1 U	< 0.099 U	< 0.27 U	< 0.19 U	< 0.072 U	22	0.13 J
Cross-Gradient	AA-BW-02A	55b	N	04/27/09	< 0.16 U	< 0.088 U	< 0.11 U	< 0.071 U	< 0.12 U	20 J+	0.13 J+
Cross-Gradient	AA-BW-03A	30	N	04/13/05	< 0.09 U	< 0.08 U	< 0.08 U	< 0.07 U	< 0.14 U	4.5	< 0.04 UJ-
Cross-Gradient	AA-BW-03A	49	N	10/26/07	< 0.1 UJ	< 0.1 UJ	< 0.14 UJ	< 0.092 UJ	< 0.056 UJ	6.7 J	< 0.045 UJ
Cross-Gradient	AA-BW-03A	55a	N	01/21/09	< 0.1 U	< 0.099 U	< 0.27 U	< 0.19 U	< 0.072 U	7.2 J+	< 0.085 U
Cross-Gradient	AA-BW-03A	55b	N	04/28/09	< 0.16 UJ	< 0.088 UJ	< 0.11 UJ	< 0.071 UJ	< 0.12 UJ	6 J	0.12 J
Down-Gradient	AA-BW-04A	30	N	04/19/05	< 45 U	< 40 U	< 40 U	< 35 U	< 70 U	170 J	< 20 U
Down-Gradient	AA-BW-04A	49	N	10/23/07	< 0.1 UJ	< 0.1 UJ	< 0.14 UJ	25 J	< 0.056 UJ	61 J	1.6 J
Down-Gradient	AA-BW-04A	55a	N	01/26/09	< 0.1 U	< 0.099 U	< 0.27 U	2.3	< 0.072 U	43	1.3
Down-Gradient	AA-BW-04A	55a	FD	01/26/09	< 0.1 U	< 0.099 U	< 0.27 U	2.7	< 0.072 U	42	< 85 U
Down-Gradient	AA-BW-04A	55b	N	04/20/09	< 0.16 UJ	< 0.088 UJ	< 0.11 UJ	16 J-	< 0.12 UJ	41 J-	0.93 J-
Down-Gradient	AA-BW-04A	55b	FD	04/20/09	< 0.16 UJ	< 0.088 UJ	< 0.11 UJ	20 J	< 0.12 UJ	46 J+	1.2 J-
Down-Gradient	AA-BW-05A	30	N	04/19/05	< 0.09 UJ-	< 0.08 UJ-	< 0.08 UJ-	8.4 J-	< 0.14 UJ-	16 J-	< 0.04 UJ-
Down-Gradient	AA-BW-05A	49	N	10/23/07	< 0.1 UJ	< 0.1 UJ	< 0.14 UJ	< 0.092 UJ	< 0.056 UJ	16 J-	0.74 J-
Down-Gradient	AA-BW-05A	55a	N	01/23/09	< 0.1 UJ	< 0.099 UJ	< 0.27 UJ	< 0.19 UJ	< 0.072 UJ	12 J	0.51 J
Down-Gradient	AA-BW-05A	55b	N	04/21/09	< 0.16 UJ	< 0.088 UJ	< 0.11 UJ	0.6 J	< 0.12 UJ	7.3 J	< 0.11 UJ
Down-Gradient	AA-BW-06A	30	N	04/19/05	< 0.09 UJ-	< 0.08 UJ-	< 0.08 UJ-	< 0.07 UJ-	< 0.14 UJ-	25 J-	0.62 J-
Down-Gradient	AA-BW-06A	49	N	10/23/07	< 0.1 UJ	< 0.1 UJ	< 0.14 UJ	0.44 J-	< 0.056 UJ	23 J-	1.3 J-
Down-Gradient	AA-BW-06A	55a	N	01/27/09	< 0.1 U	< 0.099 U	< 0.27 U	< 0.19 U	< 0.072 U	10	0.6
Down-Gradient	AA-BW-06A	55b	N	04/22/09	< 0.16 U	< 0.088 U	< 0.11 U	0.22 J+	< 0.12 UJ	8.2 J+	< 0.11 U
Cross-Gradient	AA-BW-07A	30	N	04/12/05	< 0.09 U	< 0.08 U	< 0.08 U	0.67 J	< 0.14 U	7.1	< 0.04 UJ-
Cross-Gradient	AA-BW-07A	30	FD	04/12/05	< 0.09 U	< 0.08 U	< 0.08 U	0.65 J	< 0.14 U	7.1	< 0.04 UJ-
Cross-Gradient	AA-BW-07A	49	N	10/23/07	< 0.1 U	< 0.1 U	< 0.14 U	0.52 J	< 0.056 U	4.9	< 0.045 U
Cross-Gradient	AA-BW-07A	49	FD	10/23/07	< 0.1 U	< 0.1 U	< 0.14 U	0.39 J	< 0.056 U	5	< 0.045 U
Cross-Gradient	AA-BW-07A	55a	N	01/21/09	< 0.1 U	< 0.099 U	< 0.27 U	0.36 J+	< 0.072 U	5.7	0.1 J+
Cross-Gradient	AA-BW-07A	55b	N	04/23/09	< 0.16 U	< 0.088 U	< 0.11 U	0.42 J	< 0.12 UJ	3.9	< 0.11 U
Up-Gradient	AA-BW-08A	30	N	04/15/05	< 0.09 UJ-	< 0.08 UJ-	< 0.08 UJ-	< 70 UJ-	< 0.14 UJ-	< 70 UJ-	0.75 J-
Up-Gradient	AA-BW-08A	49	N	10/25/07	< 0.1 UJ	< 0.1 UJ	< 0.14 UJ	2.8 J	< 0.056 UJ	18 J	0.4 J
Up-Gradient	AA-BW-08A	55a	N	01/20/09	< 0.1 UJ	< 0.099 UJ	< 0.27 UJ	< 0.19 UJ	< 0.072 UJ	30 J	0.62 J
Up-Gradient	AA-BW-08A	55b	N	04/28/09	< 0.16 UJ	< 0.088 UJ	< 0.11 UJ	< 0.071 UJ	< 0.12 UJ	20 J	0.42 J
Up-Gradient	AA-BW-08A	55b	FD	04/28/09	< 0.16 UJ	< 0.088 UJ	< 0.11 UJ	3.8 J	< 0.12 UJ	23 J	0.56 J
Up-Gradient	AA-BW-09A	30	N	04/16/05	< 22 U	< 20 U	< 20 U	< 18 U	< 35 U	< 18 U	< 10 U
Up-Gradient	AA-BW-09A	49	N	10/29/07	< 0.1 U	< 0.1 U	< 0.14 U	4.2 J+	< 0.056 U	52 J	0.3 J+
Up-Gradient	AA-BW-09A	55a	N	01/20/09	< 0.1 U	< 0.099 U	< 0.27 U	2.3 J+	< 0.072 U	58 J	0.3 J+
Up-Gradient	AA-BW-09A	55b	N	04/29/09	< 0.16 U	< 0.088 UJ	< 0.11 UJ	13 J+	< 0.12 UJ	41 J	0.32 J
Up-Gradient	AA-MW-07	55a	N	01/22/09	< 0.1 UJ	< 0.099 UJ	< 0.27 UJ	1.6 J	< 0.072 UJ	71 J	< 0.85 U
Up-Gradient	AA-MW-07	55b	N	04/24/09	< 0.16 U	< 0.088 UJ	< 0.11 UJ	4.5 J+	< 0.12 UJ	18 J	< 0.11 UJ
Up-Gradient	EC-2	55a	N	01/22/09	< 0.1 U	< 0.099 U	< 0.27 UJ	< 0.19 U	< 0.072 U	7.1	< 0.085 U
Up-Gradient	EC-2	55b	N	04/24/09	< 0.16 UJ	< 0.088 UJ	< 0.11 UJ	< 0.071 UJ	< 0.12 UJ	6.2 J	< 0.11 UJ
Down-Gradient	H-21R	55a	N	01/23/09	< 0.1 UJ	< 0.099 UJ	< 0.27 UJ	0.27 J	< 0.072 UJ	13 J	1.9 J
Down-Gradient	H-28	55a	N	01/26/09	< 0.1 U	< 0.099 U	< 0.27 U	< 0.19 U	< 0.072 U	17	< 0.85 U
Down-Gradient	H-28	55b	N	04/22/09	< 0.16 U	< 0.088 U	< 0.11 U	< 0.071 U	< 0.12 UJ	12 J+	< 0.11 U
Down-Gradient	H-43	55a	N	01/27/09	< 0.1 U	< 0.099 U	< 0.27 U	0.33	< 0.072 U	26	1.4
Down-Gradient	H-43	55b	N	04/21/09	< 0.16 UJ	< 0.088 UJ	< 0.11 UJ	0.66 J	< 0.12 UJ	16 J	1.2 J
Down-Gradient	M7B	55a	N	02/03/09	< 0.1 U	< 0.099 U	< 0.27 U	< 0.19 U	< 0.072 U	1.8	< 0.085 U
Down-Gradient	M7B	55b	N	04/23/09	< 0.16 U	< 0.088 U	< 0.11 U	< 0.071 U	< 0.12 UJ	1.5	< 0.11 U

Note: This table includes all data, regardless of date. Because of this, the total number of analyses does not always coincide with the total number of analyses reported in Tables 3-2a,b,c, which include only 2009 data.
-- = no sample data.

TABLE 3-3
VOLATILE ORGANIC COMPOUND (VOC) RESULTS
1ST AND 2ND QUARTER 2009 GROUNDWATER MONITORING EVENTS
CAMU AREA, CLARK COUNTY, NEVADA
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Location	Well ID	DVSR	Sample Type	Sample Date	1,1-Dichloropropene	1,2,3-Trichlorobenzene	1,2,3-Trichloropropane	1,2,4-Trichlorobenzene	1,2,4-Trimethylbenzene	1,2-Dichlorobenzene	1,2-Dichloroethane
				Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
				MCL	--	--	--	70	--	600	5
				BCL	--	--	0.034	70	51	600	5
Cross-Gradient	AA-BW-01A	30	N	04/21/05	< 60 U	600 J	< 150 U	540 J	220 J	450 J	< 90 U
Cross-Gradient	AA-BW-01A	49	N	10/24/07	< 0.078 UJ	1.5 J	< 0.24 UJ	9.4 J	< 0.1 UJ	230 J	73 J
Cross-Gradient	AA-BW-01A	55a	N	01/19/09	0.64 J	< 0.64 U	< 0.22 U	< 0.79 U	< 0.069 U	170 J-	58 J
Cross-Gradient	AA-BW-01A	55b	N	04/27/09	0.47 J	< 0.16 UJ	< 0.23 UJ	< 0.16 UJ	< 0.062 UJ	170	59 J
Cross-Gradient	AA-BW-02A	30	N	04/14/05	< 0.06 U	< 0.11 U	13	< 0.06 U	< 0.05 U	12	11
Cross-Gradient	AA-BW-02A	30	FD	04/14/05	< 0.06 U	< 0.11 U	14	< 0.06 U	< 0.05 U	13	12
Cross-Gradient	AA-BW-02A	49	N	10/29/07	< 0.078 U	< 0.12 U	< 0.24 U	< 0.091 U	< 0.1 U	17	12
Cross-Gradient	AA-BW-02A	55a	N	01/19/09	< 0.087 U	< 0.64 U	< 0.22 U	< 0.79 U	< 0.069 U	14	14
Cross-Gradient	AA-BW-02A	55a	FD	01/30/09	< 0.087 U	< 0.64 U	< 0.22 U	< 0.79 U	< 0.069 U	15	14
Cross-Gradient	AA-BW-02A	55b	N	04/27/09	< 0.068 U	< 0.16 U	< 0.23 U	< 0.16 U	< 0.062 U	21 J+	12 J+
Cross-Gradient	AA-BW-03A	30	N	04/13/05	< 0.06 U	< 0.11 U	< 0.15 U	0.38 J	< 0.05 U	2.5	2.8
Cross-Gradient	AA-BW-03A	49	N	10/26/07	< 0.078 UJ	< 0.12 UJ	< 0.24 UJ	0.36 J-	< 0.1 UJ	3.7 J-	3.8 J
Cross-Gradient	AA-BW-03A	55a	N	01/21/09	< 0.087 U	< 0.64 U	< 0.22 U	< 0.79 U	< 0.069 U	3.3 J+	2.7 J-
Cross-Gradient	AA-BW-03A	55b	N	04/28/09	< 0.068 UJ	4.1 J	< 0.23 UJ	32 J	< 0.062 UJ	41 J	3.7 J
Down-Gradient	AA-BW-04A	30	N	04/19/05	< 30 U	< 55 U	< 75 U	200 J	< 25 U	300 J	96 J
Down-Gradient	AA-BW-04A	49	N	10/23/07	< 0.078 UJ	34 J	< 0.24 UJ	230 J	0.21 J	610 J	62 J
Down-Gradient	AA-BW-04A	55a	N	01/26/09	< 0.087 U	6.5	< 0.22 U	54	0.37	1400	22
Down-Gradient	AA-BW-04A	55a	FD	01/26/09	< 0.087 U	5.9	< 0.22 U	47	0.35	950	< 180 U
Down-Gradient	AA-BW-04A	55b	N	04/20/09	< 0.068 UJ	42 J+	< 0.23 UJ	280 J+	0.44 J-	670 J+	27 J-
Down-Gradient	AA-BW-04A	55b	FD	04/20/09	< 0.068 UJ	47 J+	< 0.23 UJ	320 J+	0.46 J-	770 J+	26 J-
Down-Gradient	AA-BW-05A	30	N	04/19/05	< 0.06 UJ-	< 220 UJ-	< 0.15 UJ-	< 120 UJ-	1.1 J-	< 180 UJ-	< 0.09 UJ-
Down-Gradient	AA-BW-05A	49	N	10/23/07	< 0.078 UJ	24 J	< 0.24 UJ	330 J	< 0.1 UJ	640 J	32 J-
Down-Gradient	AA-BW-05A	55a	N	01/23/09	< 0.087 UJ	38 J	< 0.22 UJ	200 J	0.11 J	320	57 J
Down-Gradient	AA-BW-05A	55b	N	04/21/09	< 0.068 UJ	42 J	< 0.23 UJ	160	0.13 J	220	22 J
Down-Gradient	AA-BW-06A	30	N	04/19/05	< 0.06 UJ-	6.1 J-	< 0.15 UJ-	100 J-	< 0.05 UJ-	340 J-	5.9 J-
Down-Gradient	AA-BW-06A	49	N	10/23/07	< 0.078 UJ	12 J-	< 0.24 UJ	69	< 0.1 UJ	91	5.6 J-
Down-Gradient	AA-BW-06A	55a	N	01/27/09	< 0.087 U	7.5	< 0.22 U	37	< 0.069 U	61	2.5
Down-Gradient	AA-BW-06A	55b	N	04/22/09	< 0.068 U	9 J+	< 0.23 U	41 J+	< 0.062 U	76	1.8 J+
Cross-Gradient	AA-BW-07A	30	N	04/12/05	< 0.06 U	1.1	< 0.15 U	1.1	< 0.05 U	4.8	2.8
Cross-Gradient	AA-BW-07A	30	FD	04/12/05	< 0.06 U	1.1	< 0.15 U	1.1	< 0.05 U	5.1	2.8
Cross-Gradient	AA-BW-07A	49	N	10/23/07	< 0.078 U	1.2	< 0.24 U	0.67 J	< 0.1 U	1.9	< 0.11 U
Cross-Gradient	AA-BW-07A	49	FD	10/23/07	< 0.078 U	1.3	< 0.24 U	0.69 J	< 0.1 U	2	1.5
Cross-Gradient	AA-BW-07A	55a	N	01/21/09	< 0.087 U	0.98 J+	< 0.22 U	< 0.79 U	< 0.069 U	1.6	1.2 J-
Cross-Gradient	AA-BW-07A	55b	N	04/23/09	< 0.068 U	0.78 J	< 0.23 U	0.47 J	< 0.062 U	0.92 J	1.4
Up-Gradient	AA-BW-08A	30	N	04/15/05	< 0.06 UJ-	< 110 UJ-	< 0.15 UJ-	550 J-	0.65 J-	940 J	< 0.09 UJ-
Up-Gradient	AA-BW-08A	49	N	10/25/07	< 0.078 UJ	44 J	< 0.24 UJ	560 J	0.37 J	1200	12 J
Up-Gradient	AA-BW-08A	55a	N	01/20/09	5.1 J	72 J	< 0.22 UJ	530 J	0.39 J	1800 J-	< 0.18 UJ
Up-Gradient	AA-BW-08A	55b	N	04/28/09	< 0.068 UJ	3.6 J	< 0.23 UJ	460 J-	< 0.062 UJ	2000 J-	14 J
Up-Gradient	AA-BW-08A	55b	FD	04/28/09	< 0.068 UJ	2 J	< 0.23 UJ	37 J	< 0.062 UJ	2200 J-	12 J
Up-Gradient	AA-BW-09A	30	N	04/16/05	< 15 U	< 28 U	< 38 U	< 15 U	< 12 U	55 J	< 22 U
Up-Gradient	AA-BW-09A	49	N	10/29/07	< 0.078 U	< 0.12 U	< 0.24 U	2.6 J+	< 0.1 U	140 J	53 J
Up-Gradient	AA-BW-09A	55a	N	01/20/09	< 0.087 U	5.9 J+	< 0.22 U	37 J+	< 0.069 U	120 J	34 J-
Up-Gradient	AA-BW-09A	55b	N	04/29/09	1.1 J	1.4 J	< 0.23 UJ	8.6 J	< 0.062 UJ	110	50 J
Up-Gradient	AA-MW-07	55a	N	01/22/09	< 0.087 UJ	1.3 J	< 0.22 UJ	5.6 J	< 0.069 UJ	230 J	91 J
Up-Gradient	AA-MW-07	55b	N	04/24/09	< 0.068 UJ	2.3 J	< 0.23 UJ	12 J	< 0.062 UJ	360	34 J
Up-Gradient	EC-2	55a	N	01/22/09	< 0.087 U	13 J	< 0.22 UJ	120 J	< 0.069 UJ	1600	55 J
Up-Gradient	EC-2	55b	N	04/24/09	< 0.068 UJ	8.1 J	< 0.23 UJ	< 160 U	< 0.062 UJ	2100	< 50 U
Down-Gradient	H-21R	55a	N	01/23/09	< 0.087 UJ	28 J	< 0.22 UJ	130 J	< 0.069 UJ	53 J	37 J
Down-Gradient	H-28	55a	N	01/26/09	< 0.087 U	2.3	< 0.22 U	8	< 0.069 U	16	10
Down-Gradient	H-28	55b	N	04/22/09	< 0.068 U	0.4 J+	< 0.23 U	1.5 J+	< 0.062 U	8.4 J+	5.7 J+
Down-Gradient	H-43	55a	N	01/27/09	< 0.087 U	14	< 0.22 U	66	< 0.069 U	1300	6.5
Down-Gradient	H-43	55b	N	04/21/09	< 0.068 UJ	23 J	< 0.23 UJ	64	< 0.062 UJ	1200	3.1 J
Down-Gradient	M7B	55a	N	02/03/09	< 0.087 U	< 0.64 U	< 0.22 U	< 0.79 U	< 0.069 U	< 0.16 U	< 0.18 U
Down-Gradient	M7B	55b	N	04/23/09	< 0.068 U	< 0.16 U	< 0.23 U	0.24 J	< 0.062 U	0.37 J	1

Note: This table includes all data, regardless of date. Because of this, the total number of analyses does not always coincide with the total number of analyses reported in Tables 3-2a,b,c, which include only 2009 data.
-- = no sample data.

TABLE 3-3
VOLATILE ORGANIC COMPOUND (VOC) RESULTS
1ST AND 2ND QUARTER 2009 GROUNDWATER MONITORING EVENTS
CAMU AREA, CLARK COUNTY, NEVADA
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Location	Well ID	DVSR	Sample Type	Sample Date	1,2-Dichloroethene	1,2-Dichloropropane	1,3,5-Trichlorobenzene	1,3,5-Trimethylbenzene	1,3-Dichlorobenzene	1,3-Dichloropropane	1,4-Dichlorobenzene
				Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
				MCL	--	5	--	--	--	--	75
				BCL	--	5	--	590	110	730	75
Cross-Gradient	AA-BW-01A	30	N	04/21/05	--	< 100 U	< 50 U	180 J	340 J	< 60 U	620 J
Cross-Gradient	AA-BW-01A	49	N	10/24/07	< 0.1 UJ	< 0.077 UJ	< 0.17 UJ	< 0.1 UJ	6.9 J	< 0.052 UJ	470 J
Cross-Gradient	AA-BW-01A	55a	N	01/19/09	< 0.14 U	0.2 J	< 0.13 U	< 0.058 U	7.6	< 0.12 U	330 J-
Cross-Gradient	AA-BW-01A	55b	N	04/27/09	< 0.21 UJ	0.17 J	< 0.12 UJ	< 0.11 UJ	8.8 J	< 0.053 UJ	330
Cross-Gradient	AA-BW-02A	30	N	04/14/05	--	< 0.1 U	< 0.05 U	< 0.06 U	0.29 J	< 0.06 U	11
Cross-Gradient	AA-BW-02A	30	FD	04/14/05	--	< 0.1 U	< 0.05 U	< 0.06 U	0.32 J	< 0.06 U	13
Cross-Gradient	AA-BW-02A	49	N	10/29/07	< 0.1 U	< 0.077 U	< 0.17 U	< 0.1 U	0.43 J	< 0.052 U	16
Cross-Gradient	AA-BW-02A	55a	N	01/19/09	< 0.14 U	< 0.077 U	< 0.13 U	< 0.058 U	< 0.046 U	< 0.12 U	13
Cross-Gradient	AA-BW-02A	55a	FD	01/30/09	< 0.14 U	< 0.077 U	< 0.13 U	< 0.058 U	< 0.046 U	< 0.12 U	13
Cross-Gradient	AA-BW-02A	55b	N	04/27/09	< 0.21 U	0.074 J+	< 0.12 U	< 0.11 U	0.64 J+	< 0.053 U	20 J+
Cross-Gradient	AA-BW-03A	30	N	04/13/05	--	< 0.1 U	< 0.05 U	< 0.06 U	0.19 J	< 0.06 U	4
Cross-Gradient	AA-BW-03A	49	N	10/26/07	< 0.1 UJ	< 0.077 UJ	< 0.17 UJ	< 0.1 UJ	0.16 J-	< 0.052 UJ	4.8 J-
Cross-Gradient	AA-BW-03A	55a	N	01/21/09	< 0.14 U	< 0.077 U	< 0.13 U	< 0.058 U	< 0.046 U	< 0.12 U	4.2 J+
Cross-Gradient	AA-BW-03A	55b	N	04/28/09	< 0.21 UJ	< 0.054 UJ	< 0.12 UJ	< 0.11 UJ	3.1 J	< 0.053 UJ	41 J
Down-Gradient	AA-BW-04A	30	N	04/19/05	--	< 50 U	< 25 U	< 30 U	< 20 U	< 30 U	410 J
Down-Gradient	AA-BW-04A	49	N	10/23/07	< 0.1 UJ	< 0.077 UJ	0.77 J	< 0.1 UJ	36 J	< 0.052 UJ	1000
Down-Gradient	AA-BW-04A	55a	N	01/26/09	< 0.14 U	< 0.077 U	0.58	0.15	54	< 0.12 U	2700
Down-Gradient	AA-BW-04A	55a	FD	01/26/09	< 0.14 U	< 0.077 U	0.56	0.14	54	< 0.12 U	2000
Down-Gradient	AA-BW-04A	55b	N	04/20/09	< 0.21 UJ	< 0.054 UJ	1.8 J-	0.17 J-	37 J+	< 0.053 UJ	1200 J+
Down-Gradient	AA-BW-04A	55b	FD	04/20/09	< 0.21 UJ	< 0.054 UJ	1.8 J-	0.17 J-	44 J+	< 0.053 UJ	1300 J+
Down-Gradient	AA-BW-05A	30	N	04/19/05	--	< 0.1 UJ-	1.1 J-	0.44 J-	< 80 UJ-	< 0.06 UJ-	< 0.09 UJ-
Down-Gradient	AA-BW-05A	49	N	10/23/07	0.65 J-	< 0.077 UJ	0.51 J	< 0.1 UJ	21 J	< 0.052 UJ	950 J
Down-Gradient	AA-BW-05A	55a	N	01/23/09	0.58 J	< 0.077 UJ	1.5 J	< 0.058 UJ	18 J	< 0.12 UJ	450
Down-Gradient	AA-BW-05A	55b	N	04/21/09	0.34 J	0.094 J	1.6 J	< 0.11 UJ	20 J	< 0.053 UJ	320
Down-Gradient	AA-BW-06A	30	N	04/19/05	--	0.37 J-	< 0.05 UJ-	< 0.06 UJ-	14 J-	< 0.06 UJ-	490 J-
Down-Gradient	AA-BW-06A	49	N	10/23/07	< 0.1 UJ	0.49 J-	0.38 J-	< 0.1 UJ	3.4 J-	< 0.052 UJ	150 J
Down-Gradient	AA-BW-06A	55a	N	01/27/09	0.2	< 0.077 U	0.45	< 0.058 U	3.2	< 0.12 U	86
Down-Gradient	AA-BW-06A	55b	N	04/22/09	< 0.21 U	< 0.054 U	0.38 J+	< 0.11 U	3.9 J+	< 0.053 U	120
Cross-Gradient	AA-BW-07A	30	N	04/12/05	--	< 0.1 U	< 0.05 U	< 0.06 U	0.27 J	< 0.06 U	7.2
Cross-Gradient	AA-BW-07A	30	FD	04/12/05	--	< 0.1 U	< 0.05 U	< 0.06 U	0.29 J	< 0.06 U	7.6
Cross-Gradient	AA-BW-07A	49	N	10/23/07	< 0.1 U	< 0.077 U	< 0.17 U	< 0.1 U	0.22 J	< 0.052 U	2.5
Cross-Gradient	AA-BW-07A	49	FD	10/23/07	< 0.1 U	< 0.077 U	< 0.17 U	< 0.1 U	0.23 J	< 0.052 U	2.6
Cross-Gradient	AA-BW-07A	55a	N	01/21/09	< 0.14 U	< 0.077 U	< 0.13 U	< 0.058 U	0.21 J+	< 0.12 U	1.7
Cross-Gradient	AA-BW-07A	55b	N	04/23/09	< 0.21 U	< 0.054 U	< 0.12 U	< 0.11 U	0.21 J	< 0.053 U	1.4
Up-Gradient	AA-BW-08A	30	N	04/15/05	--	< 0.1 UJ-	4.1 J-	0.41 J-	< 40 UJ-	< 0.06 UJ-	< 90 UJ-
Up-Gradient	AA-BW-08A	49	N	10/25/07	0.13 J	< 0.077 UJ	1.6 J	< 0.1 UJ	89 J	< 0.052 UJ	2400
Up-Gradient	AA-BW-08A	55a	N	01/20/09	< 0.14 UJ	< 0.077 UJ	2.9 J	< 0.058 UJ	89 J-	< 0.12 UJ	3700 J-
Up-Gradient	AA-BW-08A	55b	N	04/28/09	< 0.21 UJ	< 0.054 UJ	0.77 J	< 0.11 UJ	120 J-	< 0.053 UJ	3500 J-
Up-Gradient	AA-BW-08A	55b	FD	04/28/09	< 0.21 UJ	< 0.054 UJ	< 0.12 UJ	< 0.11 UJ	130 J-	< 0.053 UJ	3900 J-
Up-Gradient	AA-BW-09A	30	N	04/16/05	--	< 25 U	< 12 U	< 15 U	< 10 U	< 15 U	< 22 U
Up-Gradient	AA-BW-09A	49	N	10/29/07	< 0.1 U	< 0.077 U	< 0.17 U	< 0.1 U	5.8 J+	< 0.052 U	160 J+
Up-Gradient	AA-BW-09A	55a	N	01/20/09	< 0.14 U	0.28 J+	0.13 J+	< 0.058 U	7.4 J+	< 0.12 U	140 J
Up-Gradient	AA-BW-09A	55b	N	04/29/09	< 0.21 UJ	0.26 J	< 0.12 UJ	< 0.11 UJ	8.1 J	< 0.053 U	130
Up-Gradient	AA-MW-07	55a	N	01/22/09	0.4 J	0.22 J	< 0.13 UJ	< 0.058 UJ	24 J	< 0.12 UJ	220 J
Up-Gradient	AA-MW-07	55b	N	04/24/09	< 0.21 UJ	0.096 J	< 0.12 UJ	< 0.11 UJ	25 J	< 0.053 U	440
Up-Gradient	EC-2	55a	N	01/22/09	< 0.14 U	< 0.077 U	1.3 J	0.12 J	44 J	< 0.12 U	2500
Up-Gradient	EC-2	55b	N	04/24/09	< 0.21 UJ	< 0.054 UJ	1.4 J	0.35 J	< 81 U	< 0.053 UJ	1200
Down-Gradient	H-21R	55a	N	01/23/09	2.2 J	< 0.077 UJ	1.2 J	< 0.058 UJ	4.3 J	< 0.12 UJ	97 J
Down-Gradient	H-28	55a	N	01/26/09	< 0.14 U	< 0.077 U	< 0.13 U	< 0.058 U	0.81	< 0.12 U	21
Down-Gradient	H-28	55b	N	04/22/09	< 0.21 U	< 0.054 U	< 0.12 U	< 0.11 U	< 0.081 U	< 0.053 U	9.1 J+
Down-Gradient	H-43	55a	N	01/27/09	1.2	0.5	0.52	< 0.058 U	22	< 0.12 U	1800
Down-Gradient	H-43	55b	N	04/21/09	0.88 J	0.44 J	0.74 J	< 0.11 UJ	34 J	< 0.053 UJ	1500
Down-Gradient	M7B	55a	N	02/03/09	< 0.14 U	< 0.077 U	< 0.13 U	< 0.058 U	< 0.046 U	< 0.12 U	< 0.1 U
Down-Gradient	M7B	55b	N	04/23/09	< 0.21 U	< 0.054 U	< 0.12 U	< 0.11 U	< 0.081 U	< 0.053 U	0.51 J

Note: This table includes all data, regardless of date. Because of this, the total number of analyses does not always coincide with the total number of analyses reported in Tables 3-2a,b,c, which include only 2009 data.
-- = no sample data.

TABLE 3-3
VOLATILE ORGANIC COMPOUND (VOC) RESULTS
1ST AND 2ND QUARTER 2009 GROUNDWATER MONITORING EVENTS
CAMU AREA, CLARK COUNTY, NEVADA
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Location	Well ID	DVSR	Sample Type	Sample Date	2,2,3-Trimethylbutane	2,2-Dichloropropane	2,2-Dimethylpentane	2,3-Dimethylpentane	2,4-Dimethylpentane	2-Chlorotoluene	2-Hexanone
				Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
				MCL	--	--	--	--	--	--	--
				BCL	--	--	--	--	--	730	--
Cross-Gradient	AA-BW-01A	30	N	04/21/05	--	< 50 U	--	--	--	< 60 U	< 200 U
Cross-Gradient	AA-BW-01A	49	N	10/24/07	< 0.4 UJ	< 0.039 UJ	< 0.1 UJ	< 0.11 UJ	< 0.1 UJ	0.47 J	< 1 UJ
Cross-Gradient	AA-BW-01A	55a	N	01/19/09	< 0.16 U	< 0.084 U	< 0.093 U	< 0.11 U	< 0.14 U	0.66 J	< 0.08 U
Cross-Gradient	AA-BW-01A	55b	N	04/27/09	< 0.23 UJ	< 0.1 UJ	< 0.16 UJ	< 0.18 UJ	< 0.19 UJ	0.55 J	< 1.3 UJ
Cross-Gradient	AA-BW-02A	30	N	04/14/05	--	< 0.05 U	--	--	--	< 0.06 U	< 0.2 U
Cross-Gradient	AA-BW-02A	30	FD	04/14/05	--	< 0.05 U	--	--	--	< 0.06 U	< 0.2 U
Cross-Gradient	AA-BW-02A	49	N	10/29/07	< 0.4 U	< 0.039 U	< 0.1 U	< 0.11 U	< 0.1 U	< 0.053 U	< 1 U
Cross-Gradient	AA-BW-02A	55a	N	01/19/09	< 0.16 U	< 0.084 U	< 0.093 U	< 0.11 U	< 0.14 U	< 0.068 U	< 0.08 U
Cross-Gradient	AA-BW-02A	55a	FD	01/30/09	< 0.16 U	< 0.084 U	< 0.093 U	< 0.11 U	< 0.14 U	0.088 J	< 0.08 U
Cross-Gradient	AA-BW-02A	55b	N	04/27/09	< 0.23 U	< 0.1 U	< 0.16 U	< 0.18 U	< 0.19 U	< 0.11 U	< 1.3 U
Cross-Gradient	AA-BW-03A	30	N	04/13/05	--	< 0.05 U	--	--	--	< 0.06 U	< 0.2 U
Cross-Gradient	AA-BW-03A	49	N	10/26/07	< 0.4 UJ	< 0.039 UJ	< 0.1 UJ	< 0.11 UJ	< 0.1 UJ	< 0.053 UJ	< 1 UJ
Cross-Gradient	AA-BW-03A	55a	N	01/21/09	< 0.16 U	< 0.084 UJ	< 0.093 U	< 0.11 U	< 0.14 U	< 0.068 U	< 0.08 U
Cross-Gradient	AA-BW-03A	55b	N	04/28/09	< 0.23 UJ	< 0.1 UJ	< 0.16 UJ	< 0.18 UJ	< 0.19 UJ	< 0.11 UJ	< 1.3 UJ
Down-Gradient	AA-BW-04A	30	N	04/19/05	--	< 25 U	--	--	--	< 30 U	< 100 U
Down-Gradient	AA-BW-04A	49	N	10/23/07	< 0.4 UJ	< 0.039 UJ	< 0.1 UJ	< 0.11 UJ	< 0.1 UJ	1.5 J	< 1 UJ
Down-Gradient	AA-BW-04A	55a	N	01/26/09	< 0.16 U	< 0.084 U	< 0.093 U	< 0.11 U	< 0.14 U	1.7	< 0.08 U
Down-Gradient	AA-BW-04A	55a	FD	01/26/09	< 0.16 U	< 0.084 U	< 0.093 U	< 0.11 U	< 0.14 U	1.6	< 0.08 U
Down-Gradient	AA-BW-04A	55b	N	04/20/09	< 0.23 UJ	< 0.1 UJ	< 0.16 UJ	< 0.18 UJ	< 0.19 UJ	2.9 J-	< 1.3 UJ
Down-Gradient	AA-BW-04A	55b	FD	04/20/09	< 0.23 UJ	< 0.1 UJ	< 0.16 UJ	< 0.18 UJ	< 0.19 UJ	3.2 J-	< 1.3 UJ
Down-Gradient	AA-BW-05A	30	N	04/19/05	--	< 0.05 UJ-	--	--	--	4.3 J-	< 0.2 UJ-
Down-Gradient	AA-BW-05A	49	N	10/23/07	< 0.4 UJ	< 0.039 UJ	< 0.1 UJ	4.2 J-	< 0.1 UJ	0.49 J	< 1 UJ
Down-Gradient	AA-BW-05A	55a	N	01/23/09	< 0.16 UJ	< 0.084 UJ	< 0.093 UJ	< 0.11 UJ	< 0.14 UJ	0.46 J	< 0.08 UJ
Down-Gradient	AA-BW-05A	55b	N	04/21/09	< 0.23 UJ	< 0.1 UJ	< 0.16 UJ	< 0.18 UJ	< 0.19 UJ	0.54 J	< 1.3 UJ
Down-Gradient	AA-BW-06A	30	N	04/19/05	--	< 0.05 UJ-	--	--	--	< 0.06 UJ-	< 0.2 UJ-
Down-Gradient	AA-BW-06A	49	N	10/23/07	< 0.4 UJ	< 0.039 UJ	< 0.1 UJ	< 0.11 UJ	< 0.1 UJ	< 0.053 UJ	< 1 UJ
Down-Gradient	AA-BW-06A	55a	N	01/27/09	< 0.16 U	< 0.084 U	< 0.093 U	0.61	< 0.14 U	< 0.068 U	< 0.08 U
Down-Gradient	AA-BW-06A	55b	N	04/22/09	< 0.23 U	< 0.1 U	< 0.16 U	0.39 J+	< 0.19 U	< 0.11 U	< 1.3 U
Cross-Gradient	AA-BW-07A	30	N	04/12/05	--	< 0.05 U	--	--	--	< 0.06 U	< 0.2 U
Cross-Gradient	AA-BW-07A	30	FD	04/12/05	--	< 0.05 U	--	--	--	< 0.06 U	< 0.2 U
Cross-Gradient	AA-BW-07A	49	N	10/23/07	< 0.4 U	< 0.039 U	< 0.1 U	< 0.11 U	< 0.1 U	< 0.053 U	< 1 U
Cross-Gradient	AA-BW-07A	49	FD	10/23/07	< 0.4 U	< 0.039 U	< 0.1 U	< 0.11 U	< 0.1 U	< 0.053 U	< 1 U
Cross-Gradient	AA-BW-07A	55a	N	01/21/09	< 0.16 U	< 0.084 U	< 0.093 U	< 0.11 U	< 0.14 U	< 0.068 U	< 0.08 U
Cross-Gradient	AA-BW-07A	55b	N	04/23/09	< 0.23 U	< 0.1 U	< 0.16 U	< 0.18 U	< 0.19 U	< 0.11 U	< 1.3 U
Up-Gradient	AA-BW-08A	30	N	04/15/05	--	< 0.05 UJ-	--	--	--	6.5 J-	< 0.2 UJ-
Up-Gradient	AA-BW-08A	49	N	10/25/07	< 0.4 UJ	< 0.039 UJ	< 0.1 UJ	2.8 J	< 0.1 UJ	3.9 J	< 1 UJ
Up-Gradient	AA-BW-08A	55a	N	01/20/09	< 0.16 UJ	< 8.4 UJ	< 0.093 UJ	< 0.11 UJ	< 0.14 UJ	3.2 J	< 0.08 UJ
Up-Gradient	AA-BW-08A	55b	N	04/28/09	< 0.23 UJ	< 0.1 UJ	< 0.16 UJ	< 0.18 UJ	< 0.19 UJ	9.8 J	< 1.3 UJ
Up-Gradient	AA-BW-08A	55b	FD	04/28/09	< 0.23 UJ	< 0.1 UJ	< 0.16 UJ	< 0.18 UJ	< 0.19 UJ	12 J	< 1.3 UJ
Up-Gradient	AA-BW-09A	30	N	04/16/05	--	< 12 U	--	--	--	< 15 U	< 50 U
Up-Gradient	AA-BW-09A	49	N	10/29/07	< 0.4 U	< 0.039 U	< 0.1 U	< 0.11 U	< 0.1 U	0.41 J+	< 1 U
Up-Gradient	AA-BW-09A	55a	N	01/20/09	< 0.16 U	< 8.4 U	< 0.093 U	< 0.11 U	< 0.14 U	0.5 J+	< 0.08 U
Up-Gradient	AA-BW-09A	55b	N	04/29/09	< 0.23 UJ	< 0.1 UJ	< 0.16 UJ	< 0.18 UJ	< 0.19 UJ	0.49 J	< 1.3 U
Up-Gradient	AA-MW-07	55a	N	01/22/09	< 0.16 UJ	< 0.084 UJ	< 0.093 UJ	< 0.11 UJ	< 0.14 UJ	0.78 J	< 0.08 UJ
Up-Gradient	AA-MW-07	55b	N	04/24/09	< 0.23 UJ	< 0.1 UJ	< 0.16 UJ	< 0.18 UJ	< 0.19 UJ	0.49 J	1.6 J+
Up-Gradient	EC-2	55a	N	01/22/09	< 0.16 U	< 0.084 U	< 0.093 U	< 0.11 U	< 0.14 U	2 J	< 0.08 U
Up-Gradient	EC-2	55b	N	04/24/09	< 0.23 UJ	< 0.1 UJ	< 0.16 UJ	< 0.18 UJ	< 0.19 UJ	4.2 J	< 1.3 UJ
Down-Gradient	H-21R	55a	N	01/23/09	< 0.16 UJ	< 0.084 UJ	< 0.093 UJ	11 J	< 0.14 UJ	0.16 J	< 0.08 UJ
Down-Gradient	H-28	55a	N	01/26/09	< 0.16 U	< 0.084 U	< 0.093 U	< 0.11 U	< 0.14 U	< 0.068 U	< 0.08 U
Down-Gradient	H-28	55b	N	04/22/09	< 0.23 U	< 0.1 U	< 0.16 U	< 0.18 U	< 0.19 U	< 0.11 U	< 1.3 U
Down-Gradient	H-43	55a	N	01/27/09	0.18	< 0.084 U	< 0.093 U	19	< 0.14 U	0.68	< 0.08 U
Down-Gradient	H-43	55b	N	04/21/09	< 0.23 UJ	< 0.1 UJ	< 0.16 UJ	8.9 J	< 0.19 UJ	1.1 J	< 1.3 UJ
Down-Gradient	M7B	55a	N	02/03/09	< 0.16 U	< 0.084 U	< 0.093 U	< 0.11 U	< 0.14 U	< 0.068 U	< 0.08 U
Down-Gradient	M7B	55b	N	04/23/09	< 0.23 U	< 0.1 U	< 0.16 U	< 0.18 U	< 0.19 U	< 0.11 U	< 1.3 U

Note: This table includes all data, regardless of date. Because of this, the total number of analyses does not always coincide with the total number of analyses reported in Tables 3-2a,b,c, which include only 2009 data.
-- = no sample data.

TABLE 3-3
VOLATILE ORGANIC COMPOUND (VOC) RESULTS
1ST AND 2ND QUARTER 2009 GROUNDWATER MONITORING EVENTS
CAMU AREA, CLARK COUNTY, NEVADA
(Page 5 of 12)

Location	Well ID	DVSR	Sample Type	Sample Date	2-Methylhexane	2-Nitropropane	3,3-Dimethylpentane	3-Ethylpentane	3-Methylhexane	4-Chlorotoluene	Acetone
				Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
				MCL	--	--	--	--	--	--	--
				BCL	--	0.0063	--	--	--	--	32600
Cross-Gradient	AA-BW-01A	30	N	04/21/05	--	--	--	--	--	< 80 U	< 210 U
Cross-Gradient	AA-BW-01A	49	N	10/24/07	< 0.13 UJ	< 0.73 UJ	< 0.1 UJ	< 0.1 UJ	< 0.066 UJ	0.26 J	810 J
Cross-Gradient	AA-BW-01A	55a	N	01/19/09	< 0.12 U	< 0.034 U	< 0.17 U	< 0.13 U	< 0.1 U	0.4 J	< 0.56 U
Cross-Gradient	AA-BW-01A	55b	N	04/27/09	< 0.15 UJ	< 1.1 UJ	< 0.2 UJ	< 0.089 UJ	< 0.17 UJ	0.43 J	0.87 J
Cross-Gradient	AA-BW-02A	30	N	04/14/05	--	--	--	--	--	< 0.08 U	< 0.21 U
Cross-Gradient	AA-BW-02A	30	FD	04/14/05	--	--	--	--	--	< 0.08 U	< 0.21 U
Cross-Gradient	AA-BW-02A	49	N	10/29/07	< 0.13 U	< 0.73 U	< 0.1 U	< 0.1 U	< 0.066 U	< 0.049 U	< 40 U
Cross-Gradient	AA-BW-02A	55a	N	01/19/09	< 0.12 U	< 0.034 U	< 0.17 U	< 0.13 U	< 0.1 U	< 0.068 U	< 0.56 U
Cross-Gradient	AA-BW-02A	55a	FD	01/30/09	< 0.12 U	< 0.034 U	< 0.17 U	< 0.13 U	< 0.1 U	< 0.068 U	< 0.56 U
Cross-Gradient	AA-BW-02A	55b	N	04/27/09	< 0.15 U	< 1.1 U	< 0.2 U	< 0.089 U	< 0.17 U	< 0.095 U	0.46 J
Cross-Gradient	AA-BW-03A	30	N	04/13/05	--	--	--	--	--	< 0.08 U	< 0.21 UJ
Cross-Gradient	AA-BW-03A	49	N	10/26/07	< 0.13 UJ	< 0.73 UJ	< 0.1 UJ	< 0.1 UJ	< 0.066 UJ	< 0.049 UJ	< 0.8 U
Cross-Gradient	AA-BW-03A	55a	N	01/21/09	< 0.12 U	< 0.034 U	< 0.17 U	< 0.13 U	< 0.1 U	< 0.068 U	< 0.56 U
Cross-Gradient	AA-BW-03A	55b	N	04/28/09	< 0.15 UJ	< 1.1 UJ	< 0.2 UJ	< 0.089 UJ	< 0.17 UJ	< 0.095 UJ	0.62 J
Down-Gradient	AA-BW-04A	30	N	04/19/05	--	--	--	--	--	< 40 U	< 100 U
Down-Gradient	AA-BW-04A	49	N	10/23/07	< 0.13 UJ	< 0.73 UJ	< 0.1 UJ	< 0.1 UJ	< 0.066 UJ	1.2 J	9 J
Down-Gradient	AA-BW-04A	55a	N	01/26/09	< 0.12 U	< 0.034 U	< 0.17 U	< 0.13 U	< 0.1 U	1.5	< 0.56 U
Down-Gradient	AA-BW-04A	55a	FD	01/26/09	< 0.12 U	< 0.034 U	< 0.17 U	< 0.13 U	< 0.1 U	1.5	< 0.56 U
Down-Gradient	AA-BW-04A	55b	N	04/20/09	< 0.15 UJ	< 1.1 UJ	< 0.2 UJ	< 0.089 UJ	< 0.17 UJ	2.5 J-	1.7 J-
Down-Gradient	AA-BW-04A	55b	FD	04/20/09	< 0.15 UJ	< 1.1 UJ	< 0.2 UJ	< 0.089 UJ	< 0.17 UJ	2.6 J-	2.4 J-
Down-Gradient	AA-BW-05A	30	N	04/19/05	--	--	--	--	--	3.2 J-	< 0.21 UJ-
Down-Gradient	AA-BW-05A	49	N	10/23/07	1.4 J-	< 0.73 UJ	< 0.1 UJ	< 0.1 UJ	0.71 J-	0.34 J	< 0.8 UJ
Down-Gradient	AA-BW-05A	55a	N	01/23/09	2.3 J	< 0.034 UJ	0.84 J	1.3 J	1.8 J	0.39 J	< 0.56 UJ
Down-Gradient	AA-BW-05A	55b	N	04/21/09	1.1 J	< 1.1 UJ	0.44 J	0.64 J	0.93 J	0.44 J	< 0.42 UJ
Down-Gradient	AA-BW-06A	30	N	04/19/05	--	--	--	--	--	< 0.08 UJ-	< 0.21 UJ-
Down-Gradient	AA-BW-06A	49	N	10/23/07	< 0.13 UJ	< 0.73 UJ	< 0.1 UJ	< 0.1 UJ	< 0.066 UJ	< 0.049 UJ	< 0.8 UJ
Down-Gradient	AA-BW-06A	55a	N	01/27/09	0.41	< 0.034 U	< 0.17 U	0.15	0.39	< 0.068 U	< 0.56 U
Down-Gradient	AA-BW-06A	55b	N	04/22/09	< 0.15 U	< 1.1 UJ	< 0.2 U	0.11 J+	0.29 J+	< 0.095 U	--
Cross-Gradient	AA-BW-07A	30	N	04/12/05	--	--	--	--	--	< 0.08 U	< 0.21 UJ
Cross-Gradient	AA-BW-07A	30	FD	04/12/05	--	--	--	--	--	< 0.08 U	< 0.21 UJ
Cross-Gradient	AA-BW-07A	49	N	10/23/07	< 0.13 U	< 0.73 U	< 0.1 U	< 0.1 U	< 0.066 U	< 0.049 U	< 0.8 UJ
Cross-Gradient	AA-BW-07A	49	FD	10/23/07	< 0.13 U	< 0.73 U	< 0.1 U	< 0.1 U	< 0.066 U	< 0.049 U	< 0.8 UJ
Cross-Gradient	AA-BW-07A	55a	N	01/21/09	< 0.12 U	< 0.034 U	< 0.17 U	< 0.13 U	< 0.1 U	< 0.068 U	< 0.56 U
Cross-Gradient	AA-BW-07A	55b	N	04/23/09	< 0.15 U	< 1.1 UJ	< 0.2 U	< 0.089 U	< 0.17 U	< 0.095 U	< 0.42 U
Up-Gradient	AA-BW-08A	30	N	04/15/05	--	--	--	--	--	5.1 J-	< 0.21 UJ-
Up-Gradient	AA-BW-08A	49	N	10/25/07	3.3 J	< 0.73 UJ	< 0.1 UJ	< 0.1 UJ	< 0.066 UJ	2.8 J	1.1 J
Up-Gradient	AA-BW-08A	55a	N	01/20/09	< 0.12 UJ	< 0.034 UJ	< 0.17 UJ	< 0.13 UJ	< 0.1 UJ	2.6 J	< 56 UJ
Up-Gradient	AA-BW-08A	55b	N	04/28/09	7.6 J	< 1.1 UJ	0.78 J	< 0.089 UJ	6.7 J	9.1 J	0.82 J
Up-Gradient	AA-BW-08A	55b	FD	04/28/09	9.9 J	< 1.1 UJ	1.1 J	< 0.089 UJ	6.3 J	11 J	0.83 J
Up-Gradient	AA-BW-09A	30	N	04/16/05	--	--	--	--	--	< 20 U	< 52 U
Up-Gradient	AA-BW-09A	49	N	10/29/07	< 0.13 U	< 0.73 U	< 0.1 U	< 0.1 U	< 0.066 U	0.15 J+	< 80 U
Up-Gradient	AA-BW-09A	55a	N	01/20/09	< 0.12 U	< 0.034 U	< 0.17 U	< 0.13 U	< 0.1 U	0.23 J+	< 56 UJ
Up-Gradient	AA-BW-09A	55b	N	04/29/09	< 0.15 UJ	< 1.1 U	< 0.2 UJ	< 0.089 UJ	< 0.17 UJ	0.24 J	27 J
Up-Gradient	AA-MW-07	55a	N	01/22/09	< 0.12 UJ	< 0.034 UJ	< 0.17 UJ	< 0.13 UJ	< 0.1 UJ	0.48 J	< 5.6 U
Up-Gradient	AA-MW-07	55b	N	04/24/09	< 0.15 UJ	< 1.1 U	< 0.2 UJ	< 0.089 UJ	< 0.17 UJ	0.42 J	15 J
Up-Gradient	EC-2	55a	N	01/22/09	0.97 J	< 0.034 U	0.82 J	< 0.13 U	< 0.1 U	1.4 J	< 0.56 U
Up-Gradient	EC-2	55b	N	04/24/09	< 0.15 UJ	< 1.1 UJ	0.41 J	< 0.089 UJ	< 0.17 UJ	3.6 J	< 0.42 UJ
Down-Gradient	H-21R	55a	N	01/23/09	1.3 J	< 0.034 UJ	1.2 J	1.7 J	17 J	0.17 J	3.7 J
Down-Gradient	H-28	55a	N	01/26/09	< 0.12 U	< 0.034 U	< 0.17 U	< 0.13 U	< 0.1 U	< 0.068 U	< 0.56 U
Down-Gradient	H-28	55b	N	04/22/09	< 0.15 U	< 1.1 UJ	< 0.2 U	< 0.089 U	< 0.17 U	< 0.095 U	--
Down-Gradient	H-43	55a	N	01/27/09	1.5	< 0.034 U	2.5	5.1	2.2	0.55	< 0.56 U
Down-Gradient	H-43	55b	N	04/21/09	0.79 J	< 1.1 UJ	1.1 J	2.2 J	1.1 J	0.86 J	< 0.42 UJ
Down-Gradient	M7B	55a	N	02/03/09	< 0.12 U	< 0.034 U	< 0.17 U	< 0.13 U	< 0.1 U	< 0.068 U	< 0.56 U
Down-Gradient	M7B	55b	N	04/23/09	< 0.15 U	< 1.1 UJ	< 0.2 U	< 0.089 U	< 0.17 U	< 0.095 U	< 0.42 U

Note: This table includes all data, regardless of date. Because of this, the total number of analyses does not always coincide with the total number of analyses reported in Tables 3-2a,b,c, which include only 2009 data.
-- = no sample data.

TABLE 3-3
VOLATILE ORGANIC COMPOUND (VOC) RESULTS
1ST AND 2ND QUARTER 2009 GROUNDWATER MONITORING EVENTS
CAMU AREA, CLARK COUNTY, NEVADA
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Location	Well ID	DVSR	Sample Type	Sample Date	Acetonitrile	Benzene	Bromobenzene	Bromodichloromethane	Bromoform	Bromomethane	Carbon disulfide
				Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
				MCL	--	5	--	--	--	--	--
				BCL	440	5	490	1.1	8.5	48	3520
Cross-Gradient	AA-BW-01A	30	N	04/21/05	< 210 U	4400	240 J	< 80 U	< 170 U	< 230 U	< 250 U
Cross-Gradient	AA-BW-01A	49	N	10/24/07	< 1.5 UJ	5300	< 0.08 UJ	< 0.064 UJ	< 0.12 UJ	< 0.085 UJ	3.1 J
Cross-Gradient	AA-BW-01A	55a	N	01/19/09	< 4.2 U	6500 J	0.21 J	< 0.088 U	< 0.27 U	< 0.5 U	6.2
Cross-Gradient	AA-BW-01A	55b	N	04/27/09	< 4.2 UJ	4300	0.21 J	< 0.098 UJ	< 0.15 UJ	< 0.096 UJ	< 0.52 UJ
Cross-Gradient	AA-BW-02A	30	N	04/14/05	< 0.21 U	5.7	< 0.06 U	< 0.08 U	< 0.17 U	< 0.23 U	< 0.25 U
Cross-Gradient	AA-BW-02A	30	FD	04/14/05	< 0.21 U	5.9	< 0.06 U	< 0.08 U	< 0.17 U	< 0.23 U	< 0.25 U
Cross-Gradient	AA-BW-02A	49	N	10/29/07	< 1.5 U	6.1	< 0.08 U	< 0.064 U	< 0.12 U	< 4.2 U	< 0.1 U
Cross-Gradient	AA-BW-02A	55a	N	01/19/09	< 4.2 U	6	< 0.18 U	< 0.088 U	< 0.27 U	< 0.5 U	0.061 J-
Cross-Gradient	AA-BW-02A	55a	FD	01/30/09	< 4.2 U	6.2	< 0.18 U	< 0.088 U	< 0.27 U	< 0.5 U	< 0.029 U
Cross-Gradient	AA-BW-02A	55b	N	04/27/09	< 4.2 UJ	6.1 J	< 0.084 U	< 0.098 U	< 0.15 U	< 0.096 U	< 0.52 U
Cross-Gradient	AA-BW-03A	30	N	04/13/05	< 0.21 U	5.4	< 0.06 U	< 0.08 U	< 0.17 U	< 0.23 U	< 0.25 UJ-
Cross-Gradient	AA-BW-03A	49	N	10/26/07	< 1.5 UJ	2.8 J	< 0.08 UJ	< 0.064 UJ	< 0.12 UJ	< 0.085 U	< 0.1 UJ
Cross-Gradient	AA-BW-03A	55a	N	01/21/09	< 4.2 U	< 0.032 UJ	< 0.18 U	< 0.088 U	< 0.27 U	< 0.5 UJ	< 0.029 U
Cross-Gradient	AA-BW-03A	55b	N	04/28/09	< 4.2 UJ	41 J	< 0.084 UJ	< 0.098 UJ	< 0.15 UJ	< 0.096 UJ	< 0.52 UJ
Down-Gradient	AA-BW-04A	30	N	04/19/05	< 100 U	15000	< 30 U	< 40 U	< 85 U	< 120 U	< 120 U
Down-Gradient	AA-BW-04A	49	N	10/23/07	< 1.5 UJ	45000 J	< 0.08 UJ	0.91 J	< 0.12 UJ	< 0.085 UJ	0.54 J
Down-Gradient	AA-BW-04A	55a	N	01/26/09	< 4.2 U	83000	0.44	0.35	< 0.27 U	< 0.5 U	5
Down-Gradient	AA-BW-04A	55a	FD	01/26/09	< 4.2 U	74000	0.42	0.6	< 0.27 U	< 500 U	< 29 U
Down-Gradient	AA-BW-04A	55b	N	04/20/09	< 4.2 UJ	42000	0.61 J-	0.87 J-	< 0.15 UJ	< 0.096 UJ	< 0.52 UJ
Down-Gradient	AA-BW-04A	55b	FD	04/20/09	< 4.2 UJ	53000 J+	0.64 J-	1.1 J-	< 0.15 UJ	< 0.096 UJ	< 0.52 UJ
Down-Gradient	AA-BW-05A	30	N	04/19/05	< 0.21 UJ-	33000 J-	< 0.06 UJ-	< 0.08 UJ-	< 0.17 UJ-	< 0.23 UJ-	7.8 J-
Down-Gradient	AA-BW-05A	49	N	10/23/07	< 1.5 UJ	3000	< 0.08 UJ	< 0.064 UJ	< 0.12 UJ	< 0.085 UJ	< 0.1 UJ
Down-Gradient	AA-BW-05A	55a	N	01/23/09	< 4.2 UJ	1100	< 0.18 UJ	< 0.088 UJ	< 0.27 UJ	< 0.5 UJ	15 J
Down-Gradient	AA-BW-05A	55b	N	04/21/09	< 4.2 UJ	880	< 0.084 UJ	< 0.098 UJ	< 0.15 UJ	< 0.096 UJ	< 0.52 UJ
Down-Gradient	AA-BW-06A	30	N	04/19/05	< 0.21 UJ-	200 J-	< 0.06 UJ-	< 0.08 UJ-	< 0.17 UJ-	< 0.23 UJ-	< 0.25 UJ-
Down-Gradient	AA-BW-06A	49	N	10/23/07	< 1.5 UJ	21 J-	< 0.08 UJ	< 0.064 UJ	< 0.12 UJ	< 0.085 UJ	< 0.1 UJ
Down-Gradient	AA-BW-06A	55a	N	01/27/09	< 4.2 U	12	< 0.18 U	< 0.088 U	< 0.27 U	< 0.5 U	< 0.029 U
Down-Gradient	AA-BW-06A	55b	N	04/22/09	< 4.2 U	11 J+	< 0.084 U	< 0.098 U	< 0.15 U	< 0.096 U	< 0.52 U
Cross-Gradient	AA-BW-07A	30	N	04/12/05	< 0.21 U	2.4	< 0.06 U	< 0.08 U	< 0.17 U	< 0.23 U	< 0.25 UJ-
Cross-Gradient	AA-BW-07A	30	FD	04/12/05	< 0.21 U	< 0.1 U	< 0.06 U	< 0.08 U	< 0.17 U	< 0.23 U	< 0.25 UJ-
Cross-Gradient	AA-BW-07A	49	N	10/23/07	< 1.5 U	13	< 0.08 U	< 0.064 U	< 0.12 U	< 0.085 U	< 0.1 U
Cross-Gradient	AA-BW-07A	49	FD	10/23/07	< 1.5 U	14	< 0.08 U	< 0.064 U	< 0.12 U	< 0.085 U	< 0.1 U
Cross-Gradient	AA-BW-07A	55a	N	01/21/09	< 4.2 U	4.8	< 0.18 U	< 0.088 U	< 0.27 U	< 0.5 U	< 0.029 U
Cross-Gradient	AA-BW-07A	55b	N	04/23/09	< 4.2 U	1.3	< 0.084 U	< 0.098 U	< 0.15 U	< 0.096 U	< 0.52 U
Up-Gradient	AA-BW-08A	30	N	04/15/05	< 0.21 UJ-	12000 J-	0.76 J-	5 J-	< 0.17 UJ-	< 0.23 UJ-	< 0.25 UJ-
Up-Gradient	AA-BW-08A	49	N	10/25/07	< 1.5 UJ	42000 J	0.64 J	< 0.064 UJ	< 0.12 UJ	< 0.085 UJ	1.6 J
Up-Gradient	AA-BW-08A	55a	N	01/20/09	< 4.2 UJ	56000	0.48 J	< 0.088 UJ	< 0.27 UJ	< 50 UJ	< 0.029 UJ
Up-Gradient	AA-BW-08A	55b	N	04/28/09	< 4.2 UJ	43000 J-	1.7 J	< 0.098 UJ	< 0.15 UJ	< 0.096 UJ	< 0.52 UJ
Up-Gradient	AA-BW-08A	55b	FD	04/28/09	< 4.2 UJ	47000 J-	2.1 J	< 0.098 UJ	< 0.15 UJ	< 0.096 UJ	< 0.52 UJ
Up-Gradient	AA-BW-09A	30	N	04/16/05	< 52 U	1200	< 15 U	< 20 U	< 42 U	< 58 U	< 62 U
Up-Gradient	AA-BW-09A	49	N	10/29/07	< 1.5 U	3000	< 0.08 U	1.8 J+	< 0.12 U	< 8.5 U	1.5 J+
Up-Gradient	AA-BW-09A	55a	N	01/20/09	< 4.2 U	3800 J	< 0.18 U	1.1 J+	< 0.27 U	< 50 U	1.1 J+
Up-Gradient	AA-BW-09A	55b	N	04/29/09	< 4.2 UJ	3400	0.11 J	0.71 J	< 0.15 U	< 0.096 UJ	0.98 J
Up-Gradient	AA-MW-07	55a	N	01/22/09	< 4.2 UJ	670 J	< 0.18 UJ	< 0.88 U	< 0.27 UJ	< 5 UJ	510 J
Up-Gradient	AA-MW-07	55b	N	04/24/09	< 4.2 UJ	2300	< 0.084 UJ	0.94 J	< 0.15 U	< 0.096 UJ	290
Up-Gradient	EC-2	55a	N	01/22/09	< 4.2 U	43000	0.44 J	< 0.088 U	< 0.27 U	< 0.5 UJ	< 0.029 U
Up-Gradient	EC-2	55b	N	04/24/09	< 4.2 UJ	69000	1.2 J	< 0.098 UJ	< 0.15 UJ	< 0.096 UJ	7.8 J
Down-Gradient	H-21R	55a	N	01/23/09	< 4.2 UJ	38000	< 0.18 UJ	< 0.088 UJ	< 0.27 UJ	< 0.5 UJ	3.9 J
Down-Gradient	H-28	55a	N	01/26/09	< 4.2 U	61	< 0.18 U	< 0.088 U	< 0.27 U	< 5 U	< 0.29 U
Down-Gradient	H-28	55b	N	04/22/09	< 4.2 U	2.8 J+	< 0.084 U	< 0.098 U	< 0.15 U	< 0.096 U	< 0.52 U
Down-Gradient	H-43	55a	N	01/27/09	< 4.2 U	51	< 0.18 U	< 0.088 U	< 0.27 U	< 5 U	< 0.29 U
Down-Gradient	H-43	55b	N	04/21/09	< 4.2 UJ	47 J	< 0.084 UJ	< 0.098 UJ	< 0.15 UJ	< 0.096 UJ	0.74 J
Down-Gradient	M7B	55a	N	02/03/09	< 4.2 U	< 0.032 U	< 0.18 U	< 0.088 U	< 0.27 U	< 0.5 U	< 0.029 U
Down-Gradient	M7B	55b	N	04/23/09	< 4.2 U	< 0.06 U	< 0.084 U	< 0.098 U	< 0.15 U	< 0.096 U	< 0.52 U

Note: This table includes all data, regardless of date. Because of this, the total number of analyses does not always coincide with the total number of analyses reported in Tables 3-2a,b,c, which include only 2009 data.
-- = no sample data.

TABLE 3-3
VOLATILE ORGANIC COMPOUND (VOC) RESULTS
1ST AND 2ND QUARTER 2009 GROUNDWATER MONITORING EVENTS
CAMU AREA, CLARK COUNTY, NEVADA
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Location	Well ID	DVSR	Sample Type	Sample Date	Carbon tetrachloride	Chlorobenzene	Chlorobromomethane	Chloroethane	Chloroform	Chloromethane	cis-1,2-Dichloroethene
				Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
				MCL	5	100	--	--	--	--	70
				BCL	5	100	--	23	1.6	81	70
Cross-Gradient	AA-BW-01A	30	N	04/21/05	< 90 U	8800	< 130 U	< 110 U	< 70 U	< 190 U	< 270 U
Cross-Gradient	AA-BW-01A	49	N	10/24/07	< 0.1 UJ	12000	< 0.11 UJ	0.86 J	7.6 J	1 J	< 0.048 UJ
Cross-Gradient	AA-BW-01A	55a	N	01/19/09	< 0.042 U	11000	< 0.2 U	0.34 J	< 0.08 U	0.11 J	< 0.13 U
Cross-Gradient	AA-BW-01A	55b	N	04/27/09	< 0.073 UJ	9300	< 0.12 UJ	< 0.085 UJ	< 0.067 UJ	0.26 J	< 0.14 UJ
Cross-Gradient	AA-BW-02A	30	N	04/14/05	< 0.09 U	1400	< 0.13 U	< 0.11 U	1.4	< 0.19 U	< 0.27 U
Cross-Gradient	AA-BW-02A	30	FD	04/14/05	< 0.09 U	1500	< 0.13 U	< 0.11 U	1.2	< 0.19 U	< 0.27 U
Cross-Gradient	AA-BW-02A	49	N	10/29/07	< 0.1 U	1300	< 0.11 U	< 0.1 U	0.26 J	< 0.1 U	< 0.048 U
Cross-Gradient	AA-BW-02A	55a	N	01/19/09	< 0.042 U	1700 J	< 0.2 U	< 0.085 U	0.18 J	< 0.036 U	< 0.13 U
Cross-Gradient	AA-BW-02A	55a	FD	01/30/09	< 0.042 U	1800	< 0.2 U	< 0.085 U	0.19 J	0.087 J	< 0.13 U
Cross-Gradient	AA-BW-02A	55b	N	04/27/09	< 0.073 U	1400	< 0.12 U	< 0.085 U	0.22 J+	0.31 J+	< 0.14 U
Cross-Gradient	AA-BW-03A	30	N	04/13/05	< 0.09 U	210	< 0.13 UJ	< 0.11 U	8.1	< 0.19 U	< 0.27 U
Cross-Gradient	AA-BW-03A	49	N	10/26/07	< 0.1 UJ	330	< 0.11 UJ	0.75 J	0.82 J	3.2 J	< 0.048 UJ
Cross-Gradient	AA-BW-03A	55a	N	01/21/09	< 0.042 U	450 J	< 0.2 U	< 0.085 U	< 0.08 UJ	< 0.036 U	< 0.13 U
Cross-Gradient	AA-BW-03A	55b	N	04/28/09	< 0.073 UJ	430 J-	< 0.12 UJ	< 0.085 UJ	0.61 J	< 0.086 UJ	< 0.14 UJ
Down-Gradient	AA-BW-04A	30	N	04/19/05	< 45 U	11000	< 65 U	< 55 U	16000	< 95 U	< 140 U
Down-Gradient	AA-BW-04A	49	N	10/23/07	< 0.1 UJ	32000	< 0.11 UJ	1.2 J	6200	0.76 J	< 0.048 UJ
Down-Gradient	AA-BW-04A	55a	N	01/26/09	< 0.042 U	66000	< 0.2 U	1.5	1400	< 0.036 U	< 0.13 U
Down-Gradient	AA-BW-04A	55a	FD	01/26/09	< 0.042 U	51000	< 0.2 U	2.1	1300	< 0.036 U	< 0.13 U
Down-Gradient	AA-BW-04A	55b	N	04/20/09	< 0.073 UJ	29000	< 0.12 UJ	< 0.085 UJ	3100 J	0.61 J-	< 0.14 UJ
Down-Gradient	AA-BW-04A	55b	FD	04/20/09	< 0.073 UJ	40000 J+	< 0.12 UJ	0.37 J-	4000 J+	0.54 J-	< 0.14 UJ
Down-Gradient	AA-BW-05A	30	N	04/19/05	< 0.09 UJ-	22000 J-	< 0.13 UJ-	< 0.11 UJ-	210 J-	< 0.19 UJ-	< 0.27 UJ-
Down-Gradient	AA-BW-05A	49	N	10/23/07	< 0.1 UJ	16000	< 0.11 UJ	1.2 J-	43 J-	2.6 J-	0.44 J-
Down-Gradient	AA-BW-05A	55a	N	01/23/09	< 0.042 UJ	7700 J	< 0.2 UJ	2.4 J	70 J	0.16 J	0.34 J
Down-Gradient	AA-BW-05A	55b	N	04/21/09	< 0.073 UJ	5700	< 0.12 UJ	1.6 J	44 J	0.48 J	0.22 J
Down-Gradient	AA-BW-06A	30	N	04/19/05	< 0.09 UJ-	1500 J-	< 0.13 UJ-	0.59 J-	10 J-	< 0.19 UJ-	0.33 J-
Down-Gradient	AA-BW-06A	49	N	10/23/07	< 0.1 UJ	640	< 0.11 UJ	0.84 J-	0.6 J-	< 0.1 UJ	< 0.048 UJ
Down-Gradient	AA-BW-06A	55a	N	01/27/09	< 0.042 U	660	< 0.2 U	< 0.085 U	< 0.08 U	< 0.036 U	0.2
Down-Gradient	AA-BW-06A	55b	N	04/22/09	< 0.073 U	590	< 0.12 U	< 0.085 U	< 0.067 U	0.39 J+	0.18 J+
Cross-Gradient	AA-BW-07A	30	N	04/12/05	< 0.09 U	30	< 0.13 UJ	0.53 J	34	< 0.19 U	< 0.27 U
Cross-Gradient	AA-BW-07A	30	FD	04/12/05	< 0.09 U	< 0.1 U	< 0.13 UJ	< 0.11 U	34	< 0.19 U	< 0.27 U
Cross-Gradient	AA-BW-07A	49	N	10/23/07	1	9.7	< 0.11 U	0.59 J	19	0.35 J	< 0.048 U
Cross-Gradient	AA-BW-07A	49	FD	10/23/07	< 0.1 U	10	< 0.11 U	0.51 J	19	0.31 J	< 0.048 U
Cross-Gradient	AA-BW-07A	55a	N	01/21/09	1.4 J+	4	< 0.2 U	< 0.085 U	52 J	< 0.036 U	< 0.13 U
Cross-Gradient	AA-BW-07A	55b	N	04/23/09	0.4 J	2.2	< 0.12 U	< 0.085 U	56	0.24 J	< 0.14 U
Up-Gradient	AA-BW-08A	30	N	04/15/05	< 0.09 UJ-	14000 J-	< 0.13 UJ-	0.68 J-	8400 J-	< 0.19 UJ-	< 0.27 UJ-
Up-Gradient	AA-BW-08A	49	N	10/25/07	< 0.1 UJ	32000	< 0.11 UJ	< 0.1 UJ	230 J	< 0.1 UJ	0.13 J
Up-Gradient	AA-BW-08A	55a	N	01/20/09	< 0.042 UJ	62000	< 0.2 UJ	< 0.085 UJ	79 J-	< 0.036 UJ	< 0.13 UJ
Up-Gradient	AA-BW-08A	55b	N	04/28/09	< 0.073 UJ	42000 J-	< 0.12 UJ	< 0.085 UJ	25 J	< 0.086 UJ	< 0.14 UJ
Up-Gradient	AA-BW-08A	55b	FD	04/28/09	< 0.073 UJ	46000 J-	< 0.12 UJ	< 0.085 UJ	120 J-	0.22 J	< 0.14 UJ
Up-Gradient	AA-BW-09A	30	N	04/16/05	< 22 U	2900	< 32 U	< 28 U	4400	< 48 U	< 68 U
Up-Gradient	AA-BW-09A	49	N	10/29/07	< 0.1 U	9900	< 0.11 U	1.6 J+	3600	0.38 J+	< 0.048 U
Up-Gradient	AA-BW-09A	55a	N	01/20/09	< 0.042 U	12000	< 0.2 U	1.7 J+	5200 J-	0.53 J+	< 0.13 U
Up-Gradient	AA-BW-09A	55b	N	04/29/09	< 0.073 UJ	10000	< 0.12 UJ	0.83 J	4500	< 0.086 UJ	< 0.14 UJ
Up-Gradient	AA-MW-07	55a	N	01/22/09	< 0.042 UJ	540	< 0.2 UJ	0.47 J	1800 J	1.2 J	0.24 J
Up-Gradient	AA-MW-07	55b	N	04/24/09	< 0.073 UJ	2000	< 0.12 UJ	< 0.085 UJ	7200	< 0.086 UJ	< 0.14 UJ
Up-Gradient	EC-2	55a	N	01/22/09	< 0.042 U	52000	< 0.2 U	< 0.085 U	< 0.08 U	< 0.036 U	< 0.13 U
Up-Gradient	EC-2	55b	N	04/24/09	< 0.073 UJ	57000	< 0.12 UJ	< 0.085 UJ	11 J	1 J	< 0.14 UJ
Down-Gradient	H-21R	55a	N	01/23/09	< 0.042 UJ	16000	< 0.2 UJ	3.5 J	< 0.08 UJ	< 0.036 UJ	1.7 J
Down-Gradient	H-28	55a	N	01/26/09	< 0.042 U	1200	< 0.2 U	0.17	0.82	0.12	< 0.13 U
Down-Gradient	H-28	55b	N	04/22/09	< 0.073 U	730	< 0.12 U	< 0.085 U	0.9 J+	0.33 J+	< 0.14 U
Down-Gradient	H-43	55a	N	01/27/09	< 0.042 U	1300	< 0.2 U	0.67	< 0.08 U	< 0.036 U	1.1
Down-Gradient	H-43	55b	N	04/21/09	< 0.073 UJ	1100	< 0.12 UJ	0.13 J	< 0.067 UJ	0.51 J	0.79 J
Down-Gradient	M7B	55a	N	02/03/09	< 0.042 U	< 0.48 U	< 0.2 U	< 0.085 U	1.3	< 0.036 U	< 0.13 U
Down-Gradient	M7B	55b	N	04/23/09	< 0.073 U	2.8	< 0.12 U	< 0.085 U	1.1	0.35 J	< 0.14 U

Note: This table includes all data, regardless of date. Because of this, the total number of analyses does not always coincide with the total number of analyses reported in Tables 3-2a,b,c, which include only 2009 data.
-- = no sample data.

TABLE 3-3
VOLATILE ORGANIC COMPOUND (VOC) RESULTS
1ST AND 2ND QUARTER 2009 GROUNDWATER MONITORING EVENTS
CAMU AREA, CLARK COUNTY, NEVADA
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Location	Well ID	DVSR	Sample Type	Sample Date	cis-1,3-Dichloropropene	Cymene	Dibromochloromethane	Dibromochloropropane	Dibromomethane	Dichlorodifluoromethane (Freon-12)	Dichloromethane
				Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
				MCL	--	--	--	0.2	--	--	5
				BCL	--	--	0.7	0.2	370	5840	5
Cross-Gradient	AA-BW-01A	30	N	04/21/05	< 130 U	220 J	< 90 U	< 270 U	< 140 U	< 140 U	< 120 U
Cross-Gradient	AA-BW-01A	49	N	10/24/07	< 0.05 UJ	< 0.1 UJ	< 0.11 UJ	< 0.55 UJ	< 0.12 UJ	< 0.045 UJ	1800
Cross-Gradient	AA-BW-01A	55a	N	01/19/09	< 0.099 U	< 0.04 U	< 0.17 U	< 0.48 U	< 0.14 U	< 0.074 U	0.62 J
Cross-Gradient	AA-BW-01A	55b	N	04/27/09	< 0.099 UJ	< 0.11 UJ	< 0.21 UJ	< 0.2 UJ	< 0.095 UJ	< 0.058 UJ	< 0.1 UJ
Cross-Gradient	AA-BW-02A	30	N	04/14/05	< 0.13 U	< 0.08 U	< 0.09 U	< 0.27 U	< 0.14 U	< 0.14 U	< 0.12 U
Cross-Gradient	AA-BW-02A	30	FD	04/14/05	< 0.13 U	< 0.08 U	< 0.09 U	< 0.27 U	< 0.14 U	< 0.14 U	< 0.12 U
Cross-Gradient	AA-BW-02A	49	N	10/29/07	< 0.05 U	< 0.1 U	< 0.11 U	< 0.55 UJ	< 0.12 U	< 0.045 U	< 0.1 U
Cross-Gradient	AA-BW-02A	55a	N	01/19/09	< 0.099 U	< 0.04 U	< 0.17 U	< 0.48 U	< 0.14 U	< 0.074 U	< 0.091 U
Cross-Gradient	AA-BW-02A	55a	FD	01/30/09	< 0.099 U	< 0.04 U	< 0.17 U	< 0.48 U	< 0.14 U	< 0.074 U	< 0.091 U
Cross-Gradient	AA-BW-02A	55b	N	04/27/09	< 0.099 U	< 0.11 U	< 0.21 U	< 0.2 U	< 0.095 U	< 0.058 U	< 0.1 U
Cross-Gradient	AA-BW-03A	30	N	04/13/05	< 0.13 U	< 0.08 U	< 0.09 U	< 0.27 U	< 0.14 U	< 0.14 U	< 0.12 U
Cross-Gradient	AA-BW-03A	49	N	10/26/07	< 0.05 UJ	< 0.1 UJ	< 0.11 UJ	< 0.55 UJ	< 0.12 UJ	< 0.045 UJ	< 0.1 UJ
Cross-Gradient	AA-BW-03A	55a	N	01/21/09	< 0.099 U	< 0.04 U	< 0.17 U	< 0.48 U	< 0.14 U	< 0.074 U	0.15 J+
Cross-Gradient	AA-BW-03A	55b	N	04/28/09	< 0.099 UJ	< 0.11 UJ	< 0.21 UJ	< 0.2 UJ	< 0.095 UJ	< 0.058 UJ	< 0.1 UJ
Down-Gradient	AA-BW-04A	30	N	04/19/05	< 65 U	< 40 U	< 45 U	< 140 U	< 70 U	< 70 U	520
Down-Gradient	AA-BW-04A	49	N	10/23/07	< 0.05 UJ	< 0.1 UJ	< 0.11 UJ	< 0.55 UJ	< 0.12 UJ	< 0.045 UJ	3.4 J
Down-Gradient	AA-BW-04A	55a	N	01/26/09	< 0.099 U	< 0.04 U	< 0.17 U	< 0.48 U	< 0.14 U	< 0.074 U	1.4
Down-Gradient	AA-BW-04A	55a	FD	01/26/09	< 0.099 U	< 0.04 U	< 0.17 U	< 0.48 U	< 0.14 U	< 0.074 U	1.1
Down-Gradient	AA-BW-04A	55b	N	04/20/09	< 0.099 UJ	< 0.11 UJ	0.87 J-	< 0.2 UJ	< 0.095 UJ	< 0.058 UJ	3.6 J
Down-Gradient	AA-BW-04A	55b	FD	04/20/09	< 0.099 UJ	< 0.11 UJ	1.1 J	< 0.2 UJ	< 0.095 UJ	< 0.058 UJ	5 J
Down-Gradient	AA-BW-05A	30	N	04/19/05	< 0.13 UJ-	< 0.08 UJ-	< 0.09 UJ-	< 0.27 UJ-	< 0.14 UJ-	< 0.14 UJ-	0.44 J-
Down-Gradient	AA-BW-05A	49	N	10/23/07	< 0.05 UJ	< 0.1 UJ	< 0.11 UJ	< 0.55 UJ	< 0.12 UJ	< 0.045 UJ	< 0.1 UJ
Down-Gradient	AA-BW-05A	55a	N	01/23/09	< 0.099 UJ	0.045 J	< 0.17 UJ	< 0.48 UJ	< 0.14 UJ	< 0.074 UJ	4.3 J
Down-Gradient	AA-BW-05A	55b	N	04/21/09	< 0.099 UJ	< 0.11 UJ	< 0.21 UJ	< 0.2 UJ	< 0.095 UJ	< 0.058 UJ	0.1 J
Down-Gradient	AA-BW-06A	30	N	04/19/05	< 0.13 UJ-	< 0.08 UJ-	< 0.09 UJ-	< 0.27 UJ-	< 0.14 UJ-	< 0.14 UJ-	310 J-
Down-Gradient	AA-BW-06A	49	N	10/23/07	< 0.05 UJ	< 0.1 UJ	< 0.11 UJ	< 0.55 UJ	< 0.12 UJ	< 0.045 UJ	< 0.1 UJ
Down-Gradient	AA-BW-06A	55a	N	01/27/09	< 0.099 U	< 0.04 U	< 0.17 U	< 0.48 U	< 0.14 U	< 0.074 U	< 0.091 U
Down-Gradient	AA-BW-06A	55b	N	04/22/09	< 0.099 U	< 0.11 U	< 0.21 U	< 0.2 U	< 0.095 U	< 0.058 U	< 0.1 U
Cross-Gradient	AA-BW-07A	30	N	04/12/05	< 0.13 U	< 0.08 U	< 0.09 U	< 0.27 U	< 0.14 U	< 0.14 U	< 0.12 U
Cross-Gradient	AA-BW-07A	30	FD	04/12/05	< 0.13 U	< 0.08 U	< 0.09 U	< 0.27 U	< 0.14 U	< 0.14 U	< 0.12 U
Cross-Gradient	AA-BW-07A	49	N	10/23/07	< 0.05 U	< 0.1 U	< 0.11 U	< 0.55 UJ	< 0.12 U	< 0.045 U	< 0.1 U
Cross-Gradient	AA-BW-07A	49	FD	10/23/07	< 0.05 U	< 0.1 U	< 0.11 U	< 0.55 UJ	< 0.12 U	< 0.045 U	< 0.1 U
Cross-Gradient	AA-BW-07A	55a	N	01/21/09	< 0.099 U	< 0.04 U	< 0.17 U	< 0.48 U	< 0.14 U	< 0.074 U	0.23 J+
Cross-Gradient	AA-BW-07A	55b	N	04/23/09	< 0.099 U	< 0.11 U	< 0.21 U	< 0.2 U	< 0.095 U	< 0.058 U	0.14 J
Up-Gradient	AA-BW-08A	30	N	04/15/05	< 0.13 UJ-	< 0.08 UJ-	< 0.09 UJ-	< 0.27 UJ-	< 0.14 UJ-	< 0.14 UJ-	12 J-
Up-Gradient	AA-BW-08A	49	N	10/25/07	< 0.05 UJ	< 0.1 UJ	< 0.11 UJ	< 0.55 UJ	< 0.12 UJ	< 0.045 UJ	2400
Up-Gradient	AA-BW-08A	55a	N	01/20/09	< 0.099 UJ	< 0.04 UJ	< 0.17 UJ	< 0.48 UJ	< 0.14 UJ	< 0.074 UJ	0.63 J
Up-Gradient	AA-BW-08A	55b	N	04/28/09	< 0.099 UJ	< 0.11 UJ	< 0.21 UJ	< 0.2 UJ	< 0.095 UJ	< 0.058 UJ	< 0.1 UJ
Up-Gradient	AA-BW-08A	55b	FD	04/28/09	< 0.099 UJ	< 0.11 UJ	< 0.21 UJ	< 0.2 UJ	< 0.095 UJ	< 0.058 UJ	0.93 J
Up-Gradient	AA-BW-09A	30	N	04/16/05	< 32 U	< 20 U	< 22 U	< 68 U	< 35 U	< 35 U	1800
Up-Gradient	AA-BW-09A	49	N	10/29/07	< 0.05 U	< 0.1 U	< 0.11 U	< 0.55 UJ	< 0.12 U	< 0.045 U	1700
Up-Gradient	AA-BW-09A	55a	N	01/20/09	< 0.099 U	< 0.04 U	< 0.17 U	< 0.48 U	< 0.14 U	< 0.074 U	1600 J-
Up-Gradient	AA-BW-09A	55b	N	04/29/09	< 0.099 UJ	< 0.11 UJ	< 0.21 U	< 0.2 UJ	< 0.095 UJ	< 0.058 UJ	1500
Up-Gradient	AA-MW-07	55a	N	01/22/09	< 0.099 UJ	< 0.04 UJ	< 0.17 UJ	< 0.48 UJ	< 0.14 UJ	< 0.074 UJ	1300 J
Up-Gradient	AA-MW-07	55b	N	04/24/09	< 0.099 UJ	< 0.11 UJ	< 0.21 U	< 0.2 UJ	< 0.095 UJ	< 0.058 UJ	1900
Up-Gradient	EC-2	55a	N	01/22/09	< 0.099 U	< 0.04 UJ	< 0.17 U	< 0.48 UJ	< 0.14 U	< 0.074 U	0.34 J
Up-Gradient	EC-2	55b	N	04/24/09	< 0.099 UJ	< 0.11 UJ	< 0.21 UJ	< 0.2 UJ	< 0.095 UJ	< 0.058 UJ	1.9 J
Down-Gradient	H-21R	55a	N	01/23/09	< 0.099 UJ	< 0.04 UJ	< 0.17 UJ	< 0.48 UJ	< 0.14 UJ	< 0.074 UJ	0.32 J
Down-Gradient	H-28	55a	N	01/26/09	< 0.099 U	< 0.04 U	< 0.17 U	< 0.48 U	< 0.14 U	< 0.074 U	< 0.091 U
Down-Gradient	H-28	55b	N	04/22/09	< 0.099 U	< 0.11 U	< 0.21 U	< 0.2 U	< 0.095 U	< 0.058 U	< 0.1 U
Down-Gradient	H-43	55a	N	01/27/09	< 0.099 U	< 0.04 U	< 0.17 U	< 0.48 U	< 0.14 U	< 0.074 U	0.11
Down-Gradient	H-43	55b	N	04/21/09	< 0.099 UJ	< 0.11 UJ	< 0.21 UJ	< 0.2 UJ	< 0.095 UJ	< 0.058 UJ	< 0.1 UJ
Down-Gradient	M7B	55a	N	02/03/09	< 0.099 U	< 0.04 U	< 0.17 U	< 0.48 U	< 0.14 U	< 0.074 U	0.096
Down-Gradient	M7B	55b	N	04/23/09	< 0.099 U	< 0.11 U	< 0.21 U	< 0.2 U	< 0.095 U	< 0.058 U	< 0.1 U

Note: This table includes all data, regardless of date. Because of this, the total number of analyses does not always coincide with the total number of analyses reported in Tables 3-2a,b,c, which include only 2009 data.
-- = no sample data.

TABLE 3-3
VOLATILE ORGANIC COMPOUND (VOC) RESULTS
1ST AND 2ND QUARTER 2009 GROUNDWATER MONITORING EVENTS
CAMU AREA, CLARK COUNTY, NEVADA
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Location	Well ID	DVSR	Sample Type	Sample Date	Dimethyldisulfide	Ethanol	Ethylbenzene	Heptane	Isopropylbenzene	m,p-Xylene	Methyl ethyl ketone
				Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
				MCL	--	--	700	--	--	--	--
				BCL	--	--	700	--	3440	42600	21300
Cross-Gradient	AA-BW-01A	30	N	04/21/05	< 5000 U	8100	150 J	< 1000 U	140 J	300 J	< 330 U
Cross-Gradient	AA-BW-01A	49	N	10/24/07	1.6 J	< 95 UJ	< 0.064 UJ	< 0.1 UJ	< 0.1 UJ	< 0.2 UJ	< 1.8 UJ
Cross-Gradient	AA-BW-01A	55a	N	01/19/09	< 0.089 U	< 36 UJ	< 0.061 U	< 0.08 U	< 0.032 U	< 1.1 U	< 0.96 U
Cross-Gradient	AA-BW-01A	55b	N	04/27/09	< 0.27 UJ	< 85 UJ	< 0.11 UJ	< 0.12 UJ	< 0.096 UJ	< 0.19 UJ	< 0.83 UJ
Cross-Gradient	AA-BW-02A	30	N	04/14/05	< 5 U	< 540 U	< 0.07 U	< 1 U	< 0.07 U	< 0.09 U	< 0.33 U
Cross-Gradient	AA-BW-02A	30	FD	04/14/05	< 5 U	< 540 U	< 0.07 U	< 1 U	< 0.07 U	< 0.09 U	< 0.33 U
Cross-Gradient	AA-BW-02A	49	N	10/29/07	< 0.27 U	< 95 UJ	< 0.064 U	< 0.1 U	< 0.1 U	< 0.2 U	< 1.8 UJ
Cross-Gradient	AA-BW-02A	55a	N	01/19/09	< 0.089 U	< 36 UJ	< 0.061 U	< 0.08 U	< 0.032 U	< 1.1 U	< 0.96 U
Cross-Gradient	AA-BW-02A	55a	FD	01/30/09	< 0.089 U	< 36 UJ	< 0.061 U	< 0.08 U	< 0.032 U	< 1.1 U	< 0.96 U
Cross-Gradient	AA-BW-02A	55b	N	04/27/09	< 0.27 U	< 85 U	< 0.11 U	< 0.12 U	< 0.096 U	< 0.19 U	< 0.83 U
Cross-Gradient	AA-BW-03A	30	N	04/13/05	< 5 U	< 540 U	< 0.07 U	< 1 U	< 0.07 U	< 0.09 U	< 0.33 U
Cross-Gradient	AA-BW-03A	49	N	10/26/07	< 0.27 UJ	< 95 UJ	< 0.064 UJ	< 0.1 UJ	< 0.1 UJ	< 0.2 UJ	< 1.8 UJ
Cross-Gradient	AA-BW-03A	55a	N	01/21/09	< 0.089 U	< 36 UJ	< 0.061 U	< 0.08 U	< 0.032 U	< 1.1 U	< 0.96 U
Cross-Gradient	AA-BW-03A	55b	N	04/28/09	< 0.27 UJ	< 85 UJ	< 0.11 UJ	< 0.12 UJ	< 0.096 UJ	< 0.19 UJ	< 0.83 UJ
Down-Gradient	AA-BW-04A	30	N	04/19/05	< 2500 U	19000	< 35 U	< 500 U	< 35 U	< 45 U	< 160 U
Down-Gradient	AA-BW-04A	49	N	10/23/07	< 0.27 UJ	< 95 UJ	< 0.064 UJ	< 0.1 UJ	< 0.1 UJ	< 0.2 UJ	< 1.8 UJ
Down-Gradient	AA-BW-04A	55a	N	01/26/09	< 0.089 U	< 36 U	< 0.061 U	< 0.08 U	0.1	< 1.1 U	< 0.96 U
Down-Gradient	AA-BW-04A	55a	FD	01/26/09	< 0.089 U	< 36 U	< 0.061 U	< 0.08 U	0.13	< 1.1 U	< 0.96 U
Down-Gradient	AA-BW-04A	55b	N	04/20/09	< 0.27 UJ	< 85 UJ	< 0.11 UJ	< 0.12 UJ	0.15 J-	< 0.19 UJ	< 0.83 UJ
Down-Gradient	AA-BW-04A	55b	FD	04/20/09	< 0.27 UJ	< 85 UJ	< 0.11 UJ	< 0.12 UJ	0.16 J	< 0.19 UJ	< 0.83 UJ
Down-Gradient	AA-BW-05A	30	N	04/19/05	< 5 UJ-	57000	< 0.07 UJ-	< 1 UJ-	< 0.07 UJ-	< 0.09 UJ-	< 0.33 UJ-
Down-Gradient	AA-BW-05A	49	N	10/23/07	< 0.27 UJ	< 95 UJ	< 0.064 UJ	< 0.1 UJ	< 0.1 UJ	< 0.2 UJ	20 J
Down-Gradient	AA-BW-05A	55a	N	01/23/09	5.3 J	< 36 UJ	< 0.061 UJ	< 0.08 UJ	< 0.032 UJ	< 1.1 UJ	24 J
Down-Gradient	AA-BW-05A	55b	N	04/21/09	< 0.27 UJ	< 85 UJ	< 0.11 UJ	< 0.12 UJ	< 0.096 UJ	< 0.19 UJ	< 0.83 UJ
Down-Gradient	AA-BW-06A	30	N	04/19/05	< 5 UJ-	< 540 U	< 0.07 UJ-	< 1 UJ-	< 0.07 UJ-	< 0.09 UJ-	< 0.33 UJ-
Down-Gradient	AA-BW-06A	49	N	10/23/07	< 0.27 UJ	< 95 UJ	< 0.064 UJ	0.23 J-	< 0.1 UJ	< 0.2 UJ	< 1.8 UJ
Down-Gradient	AA-BW-06A	55a	N	01/27/09	< 0.089 U	< 36 U	< 0.061 U	< 0.08 U	< 0.032 U	< 1.1 U	< 0.96 U
Down-Gradient	AA-BW-06A	55b	N	04/22/09	< 0.27 U	< 85 UJ	< 0.11 U	< 0.12 U	< 0.096 U	< 0.19 U	< 0.83 U
Cross-Gradient	AA-BW-07A	30	N	04/12/05	< 5 U	< 540 U	< 0.07 U	< 1 U	< 0.07 U	< 0.09 U	< 0.33 U
Cross-Gradient	AA-BW-07A	30	FD	04/12/05	< 5 U	< 540 U	< 0.07 U	< 1 U	< 0.07 U	< 0.09 U	< 0.33 U
Cross-Gradient	AA-BW-07A	49	N	10/23/07	< 0.27 U	< 95 UJ	< 0.064 U	< 0.1 U	< 0.1 U	< 0.2 U	< 1.8 UJ
Cross-Gradient	AA-BW-07A	49	FD	10/23/07	< 0.27 U	< 95 UJ	< 0.064 U	< 0.1 U	< 0.1 U	< 0.2 U	< 1.8 UJ
Cross-Gradient	AA-BW-07A	55a	N	01/21/09	< 0.089 U	< 36 UJ	< 0.061 U	< 0.08 U	< 0.032 U	< 1.1 U	< 0.96 U
Cross-Gradient	AA-BW-07A	55b	N	04/23/09	< 0.27 U	< 85 UJ	< 0.11 U	< 0.12 U	< 0.096 U	< 0.19 U	< 0.83 U
Up-Gradient	AA-BW-08A	30	N	04/15/05	< 5 UJ-	34000	< 0.07 UJ-	< 1 UJ-	< 0.07 UJ-	< 0.09 UJ-	< 0.33 UJ-
Up-Gradient	AA-BW-08A	49	N	10/25/07	< 0.27 UJ	< 95 UJ	< 0.064 UJ	< 0.1 UJ	< 0.1 UJ	< 0.2 UJ	< 1.8 UJ
Up-Gradient	AA-BW-08A	55a	N	01/20/09	< 0.089 UJ	< 36 UJ	< 0.061 UJ	< 0.08 UJ	< 0.032 UJ	< 1.1 UJ	< 0.96 UJ
Up-Gradient	AA-BW-08A	55b	N	04/28/09	< 0.27 UJ	< 85 UJ	< 0.11 UJ	< 0.12 UJ	< 0.096 UJ	< 0.19 UJ	< 0.83 UJ
Up-Gradient	AA-BW-08A	55b	FD	04/28/09	< 0.27 UJ	< 85 UJ	< 0.11 UJ	< 0.12 UJ	0.45 J	< 0.19 UJ	< 0.83 UJ
Up-Gradient	AA-BW-09A	30	N	04/16/05	< 1200 U	13000	< 18 U	< 250 U	< 18 U	< 22 U	< 82 U
Up-Gradient	AA-BW-09A	49	N	10/29/07	6 J+	< 95 UJ	< 0.064 U	< 0.1 U	< 0.1 U	< 0.2 U	< 1.8 UJ
Up-Gradient	AA-BW-09A	55a	N	01/20/09	--	< 36 UJ	< 0.061 U	< 0.08 U	< 0.032 U	< 1.1 U	< 0.96 U
Up-Gradient	AA-BW-09A	55b	N	04/29/09	< 0.27 U	< 85 UJ	< 0.11 U	< 0.12 UJ	< 0.096 U	< 0.19 U	4.3 J
Up-Gradient	AA-MW-07	55a	N	01/22/09	1.7 J	< 36 UJ	< 0.061 UJ	< 0.08 UJ	< 0.032 UJ	< 1.1 UJ	< 0.96 UJ
Up-Gradient	AA-MW-07	55b	N	04/24/09	< 0.27 U	< 85 UJ	< 0.11 U	< 0.12 UJ	< 0.096 U	< 0.19 U	1.7 J
Up-Gradient	EC-2	55a	N	01/22/09	2.1 J+	< 36 UJ	< 0.061 U	< 0.08 U	0.081 J	< 1.1 U	< 0.96 U
Up-Gradient	EC-2	55b	N	04/24/09	< 0.27 UJ	< 85 UJ	< 0.11 UJ	< 0.12 UJ	< 0.096 UJ	< 0.19 UJ	< 0.83 UJ
Down-Gradient	H-21R	55a	N	01/23/09	< 0.089 UJ	< 36 UJ	< 0.061 UJ	< 0.08 UJ	< 0.032 UJ	< 1.1 UJ	< 0.96 UJ
Down-Gradient	H-28	55a	N	01/26/09	< 0.089 U	< 36 U	< 0.061 U	< 0.08 U	< 0.032 U	< 1.1 U	< 0.96 U
Down-Gradient	H-28	55b	N	04/22/09	< 0.27 U	< 85 UJ	< 0.11 U	< 0.12 U	< 0.096 U	< 0.19 U	< 0.83 U
Down-Gradient	H-43	55a	N	01/27/09	< 0.089 U	< 36 U	< 0.061 U	< 0.08 U	< 0.032 U	< 1.1 U	< 0.96 U
Down-Gradient	H-43	55b	N	04/21/09	< 0.27 UJ	< 85 UJ	< 0.11 UJ	< 0.12 UJ	< 0.096 UJ	< 0.19 UJ	< 0.83 UJ
Down-Gradient	M7B	55a	N	02/03/09	< 0.089 U	< 36 U	< 0.061 U	< 0.08 U	< 0.032 U	< 1.1 U	< 0.96 U
Down-Gradient	M7B	55b	N	04/23/09	< 0.27 U	< 85 UJ	< 0.11 U	< 0.12 U	< 0.096 U	< 0.19 U	< 0.83 U

Note: This table includes all data, regardless of date. Because of this, the total number of analyses does not always coincide with the total number of analyses reported in Tables 3-2a,b,c, which include only 2009 data.
-- = no sample data.

TABLE 3-3
VOLATILE ORGANIC COMPOUND (VOC) RESULTS
1ST AND 2ND QUARTER 2009 GROUNDWATER MONITORING EVENTS
CAMU AREA, CLARK COUNTY, NEVADA

Location	Well ID	DVSR	Sample Type	Sample Date	Methyl iodide	Methyl isobutyl ketone	MTBE (Methyl tert-butyl ether)	n-Butyl benzene	Nonanal	n-Propylbenzene	o-Xylene
				Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
				MCL	--	--	--	--	--	--	--
				BCL	--	2900	35	370	--	370	42600
Cross-Gradient	AA-BW-01A	30	N	04/21/05	< 100 U	< 100 U	< 150 U	360 J	--	260 J	140 J
Cross-Gradient	AA-BW-01A	49	N	10/24/07	0.51 J	< 0.21 UJ	< 0.1 UJ	< 0.045 UJ	< 0.31 UJ	< 0.1 UJ	< 0.1 UJ
Cross-Gradient	AA-BW-01A	55a	N	01/19/09	< 0.33 U	< 0.72 U	< 0.13 U	< 0.069 U	< 0.007 U	< 0.029 U	< 0.056 U
Cross-Gradient	AA-BW-01A	55b	N	04/27/09	< 0.091 UJ	2 J	< 0.098 UJ	< 0.12 UJ	< 1.2 UJ	< 0.093 UJ	0.16 J
Cross-Gradient	AA-BW-02A	30	N	04/14/05	< 0.1 U	2.7 J	< 0.15 U	< 0.05 U	--	< 0.07 U	< 0.05 U
Cross-Gradient	AA-BW-02A	30	FD	04/14/05	< 0.1 U	2.1 J	< 0.15 U	< 0.05 U	--	< 0.07 U	< 0.05 U
Cross-Gradient	AA-BW-02A	49	N	10/29/07	< 0.13 U	< 0.21 U	< 0.1 U	< 0.045 U	< 0.31 U	< 0.1 U	< 0.1 U
Cross-Gradient	AA-BW-02A	55a	N	01/19/09	< 0.33 U	< 0.72 U	< 0.13 U	< 0.069 U	< 0.007 U	< 0.029 U	< 0.056 U
Cross-Gradient	AA-BW-02A	55a	FD	01/30/09	< 0.33 U	< 0.72 U	< 0.13 U	< 0.069 U	< 0.007 U	< 0.029 U	< 0.056 U
Cross-Gradient	AA-BW-02A	55b	N	04/27/09	< 0.091 U	< 0.32 U	< 0.098 U	< 0.12 UJ	< 1.2 U	< 0.093 U	< 0.055 U
Cross-Gradient	AA-BW-03A	30	N	04/13/05	< 0.1 U	1.1 J	< 0.15 U	< 0.05 U	--	< 0.07 U	< 0.05 U
Cross-Gradient	AA-BW-03A	49	N	10/26/07	0.67 J	< 0.21 UJ	< 0.1 UJ	< 0.045 UJ	< 0.31 UJ	< 0.1 UJ	< 0.1 UJ
Cross-Gradient	AA-BW-03A	55a	N	01/21/09	< 0.33 U	< 0.72 U	< 0.13 U	< 0.069 U	< 0.007 U	< 0.029 U	< 0.056 U
Cross-Gradient	AA-BW-03A	55b	N	04/28/09	< 0.091 UJ	< 0.32 UJ	< 0.098 UJ	< 0.12 UJ	< 1.2 UJ	< 0.093 UJ	< 0.055 UJ
Down-Gradient	AA-BW-04A	30	N	04/19/05	< 50 U	< 50 U	< 75 U	< 25 U	--	< 35 U	< 25 U
Down-Gradient	AA-BW-04A	49	N	10/23/07	< 0.13 UJ	< 0.21 UJ	< 0.1 UJ	< 0.045 UJ	< 0.31 UJ	< 0.1 UJ	1.3 J
Down-Gradient	AA-BW-04A	55a	N	01/26/09	< 0.33 U	< 0.72 U	< 0.13 U	< 0.069 U	< 0.007 U	0.14	0.61
Down-Gradient	AA-BW-04A	55a	FD	01/26/09	< 330 U	< 0.72 U	< 0.13 U	< 0.069 U	< 0.007 U	0.13	0.54
Down-Gradient	AA-BW-04A	55b	N	04/20/09	< 0.091 UJ	< 0.32 UJ	< 0.098 UJ	< 0.12 UJ	< 1.2 UJ	0.22 J-	1.3 J-
Down-Gradient	AA-BW-04A	55b	FD	04/20/09	< 0.091 UJ	< 0.32 UJ	< 0.098 UJ	< 0.12 UJ	< 1.2 UJ	0.22 J-	1.4 J
Down-Gradient	AA-BW-05A	30	N	04/19/05	< 0.1 UJ-	0.79 J-	< 0.15 UJ-	0.32 J-	--	< 0.07 UJ-	< 0.05 UJ-
Down-Gradient	AA-BW-05A	49	N	10/23/07	< 0.13 UJ	< 0.21 UJ	< 0.1 UJ	< 0.045 UJ	< 0.31 UJ	< 0.1 UJ	0.21 J-
Down-Gradient	AA-BW-05A	55a	N	01/23/09	< 0.33 UJ	< 0.72 UJ	< 0.13 UJ	0.094 J	< 0.007 UJ	0.044 J	< 0.056 UJ
Down-Gradient	AA-BW-05A	55b	N	04/21/09	< 0.091 UJ	< 0.32 UJ	< 0.098 UJ	0.12 J	< 1.2 UJ	< 0.093 UJ	0.1 J
Down-Gradient	AA-BW-06A	30	N	04/19/05	< 0.1 UJ-	< 0.1 UJ-	< 0.15 UJ-	< 0.05 UJ-	--	< 0.07 UJ-	< 0.05 UJ-
Down-Gradient	AA-BW-06A	49	N	10/23/07	< 0.13 UJ	< 0.21 UJ	< 0.1 UJ	< 0.045 UJ	< 0.31 UJ	< 0.1 UJ	< 0.1 UJ
Down-Gradient	AA-BW-06A	55a	N	01/27/09	< 0.33 U	< 0.72 U	< 0.13 U	< 0.069 U	< 0.007 U	< 0.029 U	< 0.056 U
Down-Gradient	AA-BW-06A	55b	N	04/22/09	< 0.091 U	< 0.32 U	< 0.098 UJ	< 0.12 U	< 1.2 UJ	< 0.093 U	< 0.055 U
Cross-Gradient	AA-BW-07A	30	N	04/12/05	< 0.1 U	< 0.1 U	< 0.15 U	< 0.05 U	--	< 0.07 U	< 0.05 U
Cross-Gradient	AA-BW-07A	30	FD	04/12/05	< 0.1 U	< 0.1 U	< 0.15 U	< 0.05 U	--	< 0.07 U	< 0.05 U
Cross-Gradient	AA-BW-07A	49	N	10/23/07	< 0.13 U	< 0.21 U	< 0.1 U	< 0.045 U	< 0.31 U	< 0.1 U	< 0.1 U
Cross-Gradient	AA-BW-07A	49	FD	10/23/07	< 0.13 U	< 0.21 U	< 0.1 U	< 0.045 U	< 0.31 U	< 0.1 U	< 0.1 U
Cross-Gradient	AA-BW-07A	55a	N	01/21/09	< 0.33 U	< 0.72 U	< 0.13 U	< 0.069 U	< 0.007 U	< 0.029 U	< 0.056 U
Cross-Gradient	AA-BW-07A	55b	N	04/23/09	< 0.091 U	< 0.32 U	< 0.098 UJ	< 0.12 U	< 1.2 UJ	< 0.093 U	< 0.055 U
Up-Gradient	AA-BW-08A	30	N	04/15/05	< 0.1 UJ-	< 0.1 UJ-	< 0.15 UJ-	< 0.05 UJ-	--	< 0.07 UJ-	< 0.05 UJ-
Up-Gradient	AA-BW-08A	49	N	10/25/07	< 0.13 UJ	< 0.21 UJ	< 0.1 UJ	< 0.045 UJ	< 0.31 UJ	0.2 J	2.3 J
Up-Gradient	AA-BW-08A	55a	N	01/20/09	< 0.33 UJ	< 0.72 UJ	< 0.13 UJ	0.16 J	< 0.007 UJ	0.22 J	0.46 J
Up-Gradient	AA-BW-08A	55b	N	04/28/09	< 0.091 UJ	< 0.32 UJ	< 0.098 UJ	< 0.12 UJ	< 1.2 UJ	0.74 J	3.4 J
Up-Gradient	AA-BW-08A	55b	FD	04/28/09	< 0.091 UJ	< 0.32 UJ	< 0.098 UJ	< 0.12 UJ	< 1.2 UJ	0.91 J	4.3 J
Up-Gradient	AA-BW-09A	30	N	04/16/05	< 25 U	< 25 U	< 38 U	< 12 U	--	< 18 U	< 12 U
Up-Gradient	AA-BW-09A	49	N	10/29/07	< 0.13 U	< 0.21 U	< 0.1 U	< 0.045 U	< 0.31 U	< 0.1 U	< 0.1 U
Up-Gradient	AA-BW-09A	55a	N	01/20/09	< 0.33 U	< 0.72 U	< 0.13 U	< 0.069 U	< 0.007 U	< 0.029 U	< 0.056 U
Up-Gradient	AA-BW-09A	55b	N	04/29/09	< 0.091 UJ	< 0.32 U	< 0.098 UJ	< 0.12 UJ	< 1.2 UJ	< 0.093 UJ	0.4 J+
Up-Gradient	AA-MW-07	55a	N	01/22/09	< 3.3 UJ	< 0.72 UJ	< 0.13 UJ	< 0.069 UJ	< 0.007 UJ	< 0.029 UJ	< 0.056 UJ
Up-Gradient	AA-MW-07	55b	N	04/24/09	< 0.091 UJ	1.3 J+	< 0.098 UJ	< 0.12 UJ	< 1.2 UJ	< 0.093 UJ	< 0.055 U
Up-Gradient	EC-2	55a	N	01/22/09	< 0.33 UJ	< 0.72 U	< 0.13 U	0.23 J	< 0.007 UJ	0.14 J	< 0.056 U
Up-Gradient	EC-2	55b	N	04/24/09	< 0.091 UJ	< 0.32 UJ	< 0.098 UJ	< 0.12 UJ	< 1.2 UJ	0.43 J	3 J
Down-Gradient	H-21R	55a	N	01/23/09	0.48 J	< 0.72 UJ	< 0.13 UJ	0.07 J	< 0.007 UJ	< 0.029 UJ	0.17 J
Down-Gradient	H-28	55a	N	01/26/09	< 3.3 U	< 0.72 U	< 0.13 U	< 0.069 U	< 0.007 U	< 0.029 U	< 0.056 U
Down-Gradient	H-28	55b	N	04/22/09	< 0.091 U	< 0.32 U	< 0.098 UJ	< 0.12 U	< 1.2 UJ	< 0.093 U	< 0.055 U
Down-Gradient	H-43	55a	N	01/27/09	< 3.3 U	< 0.72 U	< 0.13 U	< 0.069 U	< 0.007 U	< 0.029 U	< 0.056 U
Down-Gradient	H-43	55b	N	04/21/09	< 0.091 UJ	< 0.32 UJ	< 0.098 UJ	< 0.12 UJ	< 1.2 UJ	< 0.093 UJ	< 0.055 UJ
Down-Gradient	M7B	55a	N	02/03/09	< 0.33 U	< 0.72 U	< 0.13 U	< 0.069 U	< 0.007 U	< 0.029 U	< 0.056 U
Down-Gradient	M7B	55b	N	04/23/09	< 0.091 U	< 0.32 U	< 0.098 UJ	< 0.12 U	< 1.2 UJ	< 0.093 U	< 0.055 U

Note: This table includes all data, regardless of date. Because of this, the total number of analyses does not always coincide with the total number of analyses reported in Tables 3-2a,b,c, which include only 2009 data.
-- = no sample data.

TABLE 3-3
VOLATILE ORGANIC COMPOUND (VOC) RESULTS
1ST AND 2ND QUARTER 2009 GROUNDWATER MONITORING EVENTS
CAMU AREA, CLARK COUNTY, NEVADA
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Location	Well ID	DVSR	Sample Type	Sample Date	sec-Butylbenzene	Styrene	tert-Butyl benzene	Tetrachloroethene	Toluene	Total Trihalomethanes	trans-1,2-Dichloroethene
				Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
				MCL	--	100	--	5	1000	80	100
				BCL	370	100	370	5	1000	--	100
Cross-Gradient	AA-BW-01A	30	N	04/21/05	220 J	190 J	180 J	< 100 U	< 80 U	< 205 U	< 80 U
Cross-Gradient	AA-BW-01A	49	N	10/24/07	< 0.032 UJ	< 0.1 UJ	< 0.037 UJ	25 J	1.6 J	7.7	< 0.1 UJ
Cross-Gradient	AA-BW-01A	55a	N	01/19/09	< 0.053 U	< 0.079 U	< 0.039 U	15	0.77 J	< 0.3 U	< 0.089 U
Cross-Gradient	AA-BW-01A	55b	N	04/27/09	< 0.085 UJ	< 0.042 UJ	< 0.11 UJ	32 J	2.1 J	< 0.3 U	< 0.081 UJ
Cross-Gradient	AA-BW-02A	30	N	04/14/05	< 0.05 U	< 0.13 U	< 0.12 U	0.35 J	34	1.6	< 0.08 U
Cross-Gradient	AA-BW-02A	30	FD	04/14/05	< 0.05 U	< 0.13 U	< 0.12 U	0.33 J	27	1.4	< 0.08 U
Cross-Gradient	AA-BW-02A	49	N	10/29/07	< 0.032 U	< 0.1 U	< 0.037 U	< 0.17 U	< 0.1 U	0.4	< 0.1 U
Cross-Gradient	AA-BW-02A	55a	N	01/19/09	< 0.053 U	< 0.079 U	< 0.039 U	0.95 J	0.067 J	0.4	< 0.089 U
Cross-Gradient	AA-BW-02A	55a	FD	01/30/09	< 0.053 U	< 0.079 U	< 0.039 U	0.85 J	0.073 J	0.5	< 0.089 U
Cross-Gradient	AA-BW-02A	55b	N	04/27/09	< 0.085 U	< 0.042 U	< 0.11 U	1 J+	0.092 J+	0.4	< 0.081 U
Cross-Gradient	AA-BW-03A	30	N	04/13/05	< 0.05 U	< 0.13 U	< 0.12 U	0.35 J	76	8.3	< 0.08 U
Cross-Gradient	AA-BW-03A	49	N	10/26/07	< 0.032 UJ	< 0.1 UJ	< 0.037 UJ	< 0.17 UJ	< 0.1 UJ	1	< 0.1 UJ
Cross-Gradient	AA-BW-03A	55a	N	01/21/09	< 0.053 U	< 0.079 U	< 0.039 U	0.95 J+	< 0.029 U	< 0.3 U	< 0.089 U
Cross-Gradient	AA-BW-03A	55b	N	04/28/09	< 0.085 UJ	< 0.042 UJ	< 0.11 UJ	1.2 J	0.084 J	0.8	< 0.081 UJ
Down-Gradient	AA-BW-04A	30	N	04/19/05	< 25 U	< 65 U	< 60 U	< 50 U	< 40 U	16085	< 40 U
Down-Gradient	AA-BW-04A	49	N	10/23/07	< 0.032 UJ	< 0.1 UJ	< 0.037 UJ	750 J	25 J	6201	< 0.1 UJ
Down-Gradient	AA-BW-04A	55a	N	01/26/09	< 0.053 U	< 0.079 U	< 0.039 U	290	13	1401	< 0.089 U
Down-Gradient	AA-BW-04A	55a	FD	01/26/09	< 0.053 U	< 0.079 U	< 0.039 U	290	13	1301	0.12
Down-Gradient	AA-BW-04A	55b	N	04/20/09	< 0.085 UJ	< 0.042 UJ	< 0.11 UJ	83 J+	27 J-	3102	< 0.081 UJ
Down-Gradient	AA-BW-04A	55b	FD	04/20/09	< 0.085 UJ	< 0.042 UJ	< 0.11 UJ	96 J+	32 J	4002	0.094 J-
Down-Gradient	AA-BW-05A	30	N	04/19/05	< 0.05 UJ-	< 0.13 UJ-	< 0.12 UJ-	< 200 UJ-	< 160 UJ-	210	< 0.08 UJ-
Down-Gradient	AA-BW-05A	49	N	10/23/07	< 0.032 UJ	< 0.1 UJ	< 0.037 UJ	15 J-	4.3 J-	43	0.21 J-
Down-Gradient	AA-BW-05A	55a	N	01/23/09	< 0.053 UJ	< 0.079 UJ	< 0.039 UJ	1.9 J	1.1 J	70	0.24 J
Down-Gradient	AA-BW-05A	55b	N	04/21/09	< 0.085 UJ	< 0.042 UJ	< 0.11 UJ	4.5 J	2.2 J	44	0.12 J
Down-Gradient	AA-BW-06A	30	N	04/19/05	< 0.05 UJ-	< 0.13 UJ-	< 0.12 UJ-	0.39 J-	4.7 J-	10	< 0.08 UJ-
Down-Gradient	AA-BW-06A	49	N	10/23/07	< 0.032 UJ	< 0.1 UJ	< 0.037 UJ	< 0.17 UJ	0.16 J-	0.7	< 0.1 UJ
Down-Gradient	AA-BW-06A	55a	N	01/27/09	< 0.053 U	< 0.079 U	< 0.039 U	< 0.14 U	0.19	< 0.3 U	< 0.089 U
Down-Gradient	AA-BW-06A	55b	N	04/22/09	< 0.085 U	< 0.042 U	< 0.11 U	< 0.065 U	0.26 J+	< 0.3 U	< 0.081 U
Cross-Gradient	AA-BW-07A	30	N	04/12/05	< 0.05 U	< 0.13 U	< 0.12 U	0.44 J	< 0.08 U	34	< 0.08 U
Cross-Gradient	AA-BW-07A	30	FD	04/12/05	< 0.05 U	< 0.13 U	< 0.12 U	0.44 J	< 0.08 U	34	< 0.08 U
Cross-Gradient	AA-BW-07A	49	N	10/23/07	< 0.032 U	< 0.1 U	< 0.037 U	< 0.17 U	< 0.1 U	19	< 0.1 U
Cross-Gradient	AA-BW-07A	49	FD	10/23/07	< 0.032 U	< 0.1 U	< 0.037 U	< 0.17 U	< 0.1 U	19	< 0.1 U
Cross-Gradient	AA-BW-07A	55a	N	01/21/09	< 0.053 U	< 0.079 U	< 0.039 U	0.6 J+	< 0.029 U	52	< 0.089 U
Cross-Gradient	AA-BW-07A	55b	N	04/23/09	< 0.085 U	< 0.042 U	< 0.11 U	0.082 J+	< 0.07 U	56	< 0.081 U
Up-Gradient	AA-BW-08A	30	N	04/15/05	< 0.05 UJ-	< 0.13 UJ-	< 0.12 UJ-	< 100 UJ-	< 80 UJ-	8405	< 0.08 UJ-
Up-Gradient	AA-BW-08A	49	N	10/25/07	0.2 J	< 0.1 UJ	< 0.037 UJ	52 J	27 J	230	< 0.1 UJ
Up-Gradient	AA-BW-08A	55a	N	01/20/09	< 0.053 UJ	< 0.079 UJ	< 0.039 UJ	52 J	9.3 J	79	< 0.089 UJ
Up-Gradient	AA-BW-08A	55b	N	04/28/09	0.71 J	< 0.042 UJ	< 0.11 UJ	< 65 UJ	37 J	25	< 0.081 UJ
Up-Gradient	AA-BW-08A	55b	FD	04/28/09	0.76 J	< 0.042 UJ	< 0.11 UJ	< 65 UJ	< 70 UJ	120	< 0.081 UJ
Up-Gradient	AA-BW-09A	30	N	04/16/05	< 12 U	< 32 U	< 30 U	< 25 U	< 20 U	4442	< 20 U
Up-Gradient	AA-BW-09A	49	N	10/29/07	< 0.032 U	< 0.1 U	< 0.037 U	22 J+	3.4 J+	3602	< 0.1 U
Up-Gradient	AA-BW-09A	55a	N	01/20/09	< 0.053 U	< 0.079 U	< 0.039 U	17 J+	1.8 J+	5201	< 0.089 U
Up-Gradient	AA-BW-09A	55b	N	04/29/09	< 0.085 UJ	< 0.042 U	< 0.11 UJ	< 6.5 U	10 J+	4501	0.092 J
Up-Gradient	AA-MW-07	55a	N	01/22/09	< 0.053 UJ	< 0.079 UJ	< 0.039 UJ	3.9 J	0.18 J	1801	0.16 J
Up-Gradient	AA-MW-07	55b	N	04/24/09	< 0.085 UJ	< 0.042 U	< 0.11 UJ	3.9 J+	0.33 J+	7201	< 0.081 UJ
Up-Gradient	EC-2	55a	N	01/22/09	0.2 J	< 0.079 U	< 0.039 UJ	5.1	6.2	< 0.3 U	< 0.089 U
Up-Gradient	EC-2	55b	N	04/24/09	0.59 J	< 0.042 UJ	< 0.11 UJ	31 J	< 70 U	11	< 0.081 UJ
Down-Gradient	H-21R	55a	N	01/23/09	< 0.053 UJ	< 0.079 UJ	< 0.039 UJ	< 0.14 UJ	7.5 J	< 0.3 U	0.54 J
Down-Gradient	H-28	55a	N	01/26/09	< 0.053 U	< 0.079 U	< 0.039 U	7.6	0.072	1.1	< 0.089 U
Down-Gradient	H-28	55b	N	04/22/09	< 0.085 U	< 0.042 U	< 0.11 U	11 J-	< 0.07 U	1.1	< 0.081 U
Down-Gradient	H-43	55a	N	01/27/09	< 0.053 U	< 0.079 U	< 0.039 U	< 0.14 U	0.62	< 0.3 U	0.15
Down-Gradient	H-43	55b	N	04/21/09	< 0.085 UJ	< 0.042 UJ	< 0.11 UJ	< 0.065 UJ	0.85 J	< 0.3 U	0.098 J
Down-Gradient	M7B	55a	N	02/03/09	< 0.053 U	< 0.079 U	< 0.039 U	0.15	< 0.029 U	1.6	< 0.089 U
Down-Gradient	M7B	55b	N	04/23/09	< 0.085 U	< 0.042 U	< 0.11 U	< 0.065 U	< 0.07 U	1.3	< 0.081 U

Note: This table includes all data, regardless of date. Because of this, the total number of analyses does not always coincide with the total number of analyses reported in Tables 3-2a,b,c, which include only 2009 data.
-- = no sample data.

TABLE 3-3
VOLATILE ORGANIC COMPOUND (VOC) RESULTS
1ST AND 2ND QUARTER 2009 GROUNDWATER MONITORING EVENTS
CAMU AREA, CLARK COUNTY, NEVADA
(Page 12 of 12)

Location	Well ID	DVSR	Sample Type	Sample Date	trans-1,3-Dichloropropene	Trichloroethene	Trichlorofluoromethane (Freon-11)	Vinyl acetate	Vinyl chloride	Xylenes (total)
				Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
				MCL	--	5	--	--	2	10000
				BCL	--	5	9890	16200	2	10000
Cross-Gradient	AA-BW-01A	30	N	04/21/05	< 70 U	< 130 U	< 70 U	< 200 U	< 70 U	430 J
Cross-Gradient	AA-BW-01A	49	N	10/24/07	< 0.085 UJ	1.4 J	< 0.1 UJ	< 0.72 UJ	< 0.044 UJ	< 0.3 UJ
Cross-Gradient	AA-BW-01A	55a	N	01/19/09	< 0.08 U	1.7	< 0.1 U	< 0.22 U	1.6 J	< 1.6 U
Cross-Gradient	AA-BW-01A	55b	N	04/27/09	< 0.23 UJ	1.9 J	< 0.11 UJ	< 0.23 UJ	< 0.091 UJ	< 0.22 UJ
Cross-Gradient	AA-BW-02A	30	N	04/14/05	< 0.07 U	< 0.13 U	< 0.07 U	< 0.2 U	< 0.07 U	< 0.13 U
Cross-Gradient	AA-BW-02A	30	FD	04/14/05	< 0.07 U	< 0.13 U	< 0.07 U	< 0.2 U	< 0.07 U	< 0.13 U
Cross-Gradient	AA-BW-02A	49	N	10/29/07	< 0.085 U	1.5	< 0.1 U	< 0.72 U	< 0.044 U	< 0.3 U
Cross-Gradient	AA-BW-02A	55a	N	01/19/09	< 0.08 U	1.4	< 0.1 U	< 0.22 U	< 0.13 U	< 1.6 U
Cross-Gradient	AA-BW-02A	55a	FD	01/30/09	< 0.08 U	1.4	< 0.1 U	< 0.22 U	< 0.13 U	< 1.6 U
Cross-Gradient	AA-BW-02A	55b	N	04/27/09	< 0.23 U	1.2 J+	< 0.11 U	< 0.23 U	< 0.091 U	< 0.22 U
Cross-Gradient	AA-BW-03A	30	N	04/13/05	< 0.07 U	< 0.13 U	< 0.07 U	< 0.2 U	< 0.07 U	< 0.13 U
Cross-Gradient	AA-BW-03A	49	N	10/26/07	< 0.085 UJ	0.39 J	< 0.1 UJ	< 0.72 UJ	< 0.044 UJ	< 0.3 UJ
Cross-Gradient	AA-BW-03A	55a	N	01/21/09	< 0.08 U	0.34 J-	< 0.1 U	< 0.22 UJ	< 0.13 U	< 1.6 U
Cross-Gradient	AA-BW-03A	55b	N	04/28/09	< 0.23 UJ	0.44 J	< 0.11 UJ	< 0.23 UJ	< 0.091 UJ	< 0.22 UJ
Down-Gradient	AA-BW-04A	30	N	04/19/05	< 35 U	< 65 U	< 35 U	< 100 U	< 35 U	< 65 U
Down-Gradient	AA-BW-04A	49	N	10/23/07	< 0.085 UJ	5.7 J	< 0.1 UJ	< 0.72 UJ	0.71 J	1.3 J
Down-Gradient	AA-BW-04A	55a	N	01/26/09	< 0.08 U	11	< 0.1 U	< 0.22 U	0.55	< 1.6 U
Down-Gradient	AA-BW-04A	55a	FD	01/26/09	< 0.08 U	11	< 0.1 U	< 0.22 U	1.2	< 1.6 U
Down-Gradient	AA-BW-04A	55b	N	04/20/09	< 0.23 UJ	4.2 J-	< 0.11 UJ	< 0.23 UJ	0.75 J-	1.3 J-
Down-Gradient	AA-BW-04A	55b	FD	04/20/09	< 0.23 UJ	3.9 J-	< 0.11 UJ	< 0.23 UJ	0.92 J-	1.4 J
Down-Gradient	AA-BW-05A	30	N	04/19/05	< 0.07 UJ-	5.1 J-	< 0.07 UJ-	< 0.2 UJ-	< 0.07 UJ-	< 0.13 UJ-
Down-Gradient	AA-BW-05A	49	N	10/23/07	< 0.085 UJ	23 J-	< 0.1 UJ	< 0.72 UJ	0.32 J-	< 0.3 UJ
Down-Gradient	AA-BW-05A	55a	N	01/23/09	< 0.08 UJ	22 J	< 0.1 UJ	< 0.22 UJ	0.21 J	< 1.6 UJ
Down-Gradient	AA-BW-05A	55b	N	04/21/09	< 0.23 UJ	11 J	< 0.11 UJ	< 0.23 UJ	0.2 J	< 0.22 UJ
Down-Gradient	AA-BW-06A	30	N	04/19/05	< 0.07 UJ-	39 J-	< 0.07 UJ-	< 0.2 UJ-	0.34 J-	< 0.13 UJ-
Down-Gradient	AA-BW-06A	49	N	10/23/07	< 0.085 UJ	29 J-	< 0.1 UJ	< 0.72 UJ	< 0.044 UJ	< 0.3 UJ
Down-Gradient	AA-BW-06A	55a	N	01/27/09	< 0.08 U	6.8	< 0.1 U	< 0.22 U	< 0.13 U	< 1.6 U
Down-Gradient	AA-BW-06A	55b	N	04/22/09	< 0.23 U	5.8 J+	< 0.11 U	< 0.23 U	< 0.091 U	< 0.22 U
Cross-Gradient	AA-BW-07A	30	N	04/12/05	< 0.07 U	< 0.13 U	< 0.07 U	< 0.2 U	< 0.07 U	< 0.13 U
Cross-Gradient	AA-BW-07A	30	FD	04/12/05	< 0.07 U	< 0.13 U	< 0.07 U	< 0.2 U	< 0.07 U	< 0.13 U
Cross-Gradient	AA-BW-07A	49	N	10/23/07	< 0.085 U	< 0.1 U	< 0.1 U	< 0.72 U	< 0.044 U	< 0.3 U
Cross-Gradient	AA-BW-07A	49	FD	10/23/07	< 0.085 U	0.19 J	< 0.1 U	< 0.72 U	< 0.044 U	< 0.3 U
Cross-Gradient	AA-BW-07A	55a	N	01/21/09	< 0.08 U	0.19 J+	< 0.1 U	< 0.22 U	< 0.13 U	< 1.6 U
Cross-Gradient	AA-BW-07A	55b	N	04/23/09	< 0.23 U	< 0.091 U	< 0.11 U	< 0.23 U	< 0.091 U	< 0.22 U
Up-Gradient	AA-BW-08A	30	N	04/15/05	< 0.07 UJ-	1.1 J-	< 0.07 UJ-	< 0.2 UJ-	2.9 J-	< 0.13 UJ-
Up-Gradient	AA-BW-08A	49	N	10/25/07	< 0.085 UJ	1.4 J	< 0.1 UJ	< 0.72 UJ	< 0.044 UJ	2.3 J
Up-Gradient	AA-BW-08A	55a	N	01/20/09	< 0.08 UJ	2.3 J	< 0.1 UJ	< 22 UJ	0.7 J	< 1.6 UJ
Up-Gradient	AA-BW-08A	55b	N	04/28/09	< 0.23 UJ	2 J	< 0.11 UJ	< 0.23 UJ	< 0.091 UJ	3.4 J
Up-Gradient	AA-BW-08A	55b	FD	04/28/09	< 0.23 UJ	1.9 J	< 0.11 UJ	< 0.23 UJ	< 0.091 UJ	4.3 J
Up-Gradient	AA-BW-09A	30	N	04/16/05	< 18 U	< 32 U	< 18 U	< 50 U	< 18 U	< 32 U
Up-Gradient	AA-BW-09A	49	N	10/29/07	< 0.085 U	2 J+	< 0.1 U	< 0.72 U	0.71 J+	< 0.3 U
Up-Gradient	AA-BW-09A	55a	N	01/20/09	< 0.08 U	2.2 J+	< 0.1 U	< 22 U	1.1 J+	< 1.6 U
Up-Gradient	AA-BW-09A	55b	N	04/29/09	< 0.23 U	2.1 J	< 0.11 UJ	< 0.23 UJ	0.63 J	0.4 J+
Up-Gradient	AA-MW-07	55a	N	01/22/09	< 0.08 UJ	< 0.11 UJ	< 0.1 UJ	< 0.22 UJ	0.56 J	< 1.6 UJ
Up-Gradient	AA-MW-07	55b	N	04/24/09	< 0.23 U	0.16 J	< 0.11 UJ	< 0.23 UJ	< 0.091 UJ	< 0.22 U
Up-Gradient	EC-2	55a	N	01/22/09	< 0.08 U	< 0.11 U	< 0.1 U	< 0.22 U	0.18 J	< 1.6 U
Up-Gradient	EC-2	55b	N	04/24/09	< 0.23 UJ	1.3 J	< 0.11 UJ	< 0.23 UJ	< 0.091 UJ	3 J
Down-Gradient	H-21R	55a	N	01/23/09	< 0.08 UJ	47 J	< 0.1 UJ	< 0.22 UJ	0.82 J	< 1.6 UJ
Down-Gradient	H-28	55a	N	01/26/09	< 0.08 U	5.8	< 0.1 U	< 0.22 U	< 0.13 U	< 1.6 U
Down-Gradient	H-28	55b	N	04/22/09	< 0.23 U	6.6 J+	< 0.11 U	< 0.23 U	< 0.091 U	< 0.22 U
Down-Gradient	H-43	55a	N	01/27/09	< 0.08 U	110	< 0.1 U	< 0.22 U	0.54	< 1.6 U
Down-Gradient	H-43	55b	N	04/21/09	< 0.23 UJ	63	< 0.11 UJ	< 0.23 UJ	0.42 J	< 0.22 UJ
Down-Gradient	M7B	55a	N	02/03/09	< 0.08 U	< 0.11 U	< 0.1 U	< 0.22 U	< 0.13 U	< 1.6 U
Down-Gradient	M7B	55b	N	04/23/09	< 0.23 U	< 0.091 U	< 0.11 U	< 0.23 U	< 0.091 U	< 0.22 U

Note: This table includes all data, regardless of date. Because of this, the total number of analyses does not always coincide with the total number of analyses reported in Tables 3-2a,b,c, which include only 2009 data.
-- = no sample data.

TABLE 3-4
SEMI-VOLATILE ORGANIC COMPOUND (SVOC) RESULTS
1ST AND 2ND QUARTER 2009 GROUNDWATER MONITORING EVENTS
CAMU AREA, CLARK COUNTY, NEVADA
(Page 1 of 11)

Location	Well ID	DVSR	Sample Type	Sample Date	1,2,4,5-Tetrachloro-benzene	1,2-Diphenylhydrazine	1,4-Dioxane	2,2'-/4,4'-Dichlorobenzil	2,4,5-Trichlorophenol	2,4,6-Trichlorophenol
				Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
				MCL	--	--	--	--	--	--
				BCL	11	0.084	6.1	10.95	3650	6.1
Cross-Gradient	AA-BW-01A	30	N	04/21/05	< 0.4 U	--	--	< 10 U	< 1.4 U	24
Cross-Gradient	AA-BW-01A	49	N	10/24/07	< 1 U	< 1 U	< 2 U	< 10 U	< 2 U	21
Cross-Gradient	AA-BW-01A	55a	N	01/19/09	< 1.9 U	< 1.9 U	< 0.96 U	< 3.2 U	< 0.96 U	34.2
Cross-Gradient	AA-BW-01A	55b	N	04/27/09	< 1.9 U	< 1.9 U	< 0.94 U	< 3.1 U	< 0.94 U	32.5
Cross-Gradient	AA-BW-02A	30	N	04/14/05	< 0.4 U	--	--	< 10 U	< 2.4 U	< 2.4 U
Cross-Gradient	AA-BW-02A	30	FD	04/14/05	< 0.4 U	--	--	< 10 U	< 2.4 U	< 2.4 U
Cross-Gradient	AA-BW-02A	49	N	10/29/07	< 1 U	< 1 U	< 2 U	< 13 U	< 2 U	< 2 U
Cross-Gradient	AA-BW-02A	55a	N	01/19/09	< 1.9 U	< 1.9 U	< 0.96 U	< 3.2 U	< 0.96 U	< 1.9 U
Cross-Gradient	AA-BW-02A	55a	FD	01/30/09	< 1.9 U	< 1.9 U	< 0.96 U	< 3.2 U	< 0.96 U	< 1.9 U
Cross-Gradient	AA-BW-02A	55b	N	04/27/09	< 1.6 U	< 1.6 U	< 0.79 U	< 2.6 U	< 0.79 U	< 1.6 U
Cross-Gradient	AA-BW-03A	30	N	04/13/05	< 0.4 U	--	--	< 10 U	< 2.4 U	< 2.4 U
Cross-Gradient	AA-BW-03A	49	N	10/26/07	< 1 U	< 1 U	< 2 U	< 9.5 U	< 2 U	< 2 U
Cross-Gradient	AA-BW-03A	55a	N	01/21/09	< 1.8 U	< 1.8 U	< 0.88 U	< 2.9 U	< 0.88 U	< 1.8 U
Cross-Gradient	AA-BW-03A	55b	N	04/28/09	< 1.9 U	< 1.9 U	< 0.95 U	< 3.1 U	< 0.95 U	< 1.9 U
Down-Gradient	AA-BW-04A	30	N	04/19/05	< 0.4 U	--	--	< 11 U	3.3 J	5.6 J
Down-Gradient	AA-BW-04A	49	N	10/23/07	< 1 U	< 1 U	6.5 J	< 10 U	2.4 J-	5.8 J-
Down-Gradient	AA-BW-04A	55a	N	01/26/09	< 1.9 U	< 1.9 U	2.28 J	< 3.1 U	2.79 J	2.61 J
Down-Gradient	AA-BW-04A	55a	FD	01/26/09	< 7.6 U	< 7.6 U	< 3.8 U	< 13 U	< 3.8 U	< 7.6 U
Down-Gradient	AA-BW-04A	55b	N	04/20/09	< 1.7 U	< 1.7 U	4.5 J	< 2.9 U	3.04 J	4.18 J
Down-Gradient	AA-BW-04A	55b	FD	04/20/09	4.22 J	< 2 U	6.08 J	< 3.2 U	3.53 J	4.01 J
Down-Gradient	AA-BW-05A	30	N	04/19/05	< 0.4 U	--	--	< 50 U	37	4.5 J
Down-Gradient	AA-BW-05A	49	N	10/23/07	< 1 U	< 1 U	< 2 U	< 10 U	2.7 J	< 2 U
Down-Gradient	AA-BW-05A	55a	N	01/23/09	< 2 U	< 2 U	< 1 U	< 3.3 U	1.2 J	< 2 U
Down-Gradient	AA-BW-05A	55b	N	04/21/09	3.07 J	< 1.9 U	1.31 J	< 3.2 U	< 0.97 U	< 1.9 U
Down-Gradient	AA-BW-06A	30	N	04/19/05	< 0.4 U	--	--	< 10 U	< 1.4 U	< 1.5 U
Down-Gradient	AA-BW-06A	49	N	10/23/07	< 1 U	< 1 U	< 2 U	< 10 U	< 2 U	< 2 U
Down-Gradient	AA-BW-06A	55a	N	01/27/09	< 1.9 U	< 1.9 U	< 0.94 U	< 3.1 U	< 0.94 U	< 1.9 U
Down-Gradient	AA-BW-06A	55b	N	04/22/09	< 1.9 U	< 1.9 U	< 0.96 U	< 3.2 U	< 0.96 U	< 1.9 U
Cross-Gradient	AA-BW-07A	30	N	04/12/05	< 0.4 U	--	--	< 10 U	< 2.4 U	< 2.4 U
Cross-Gradient	AA-BW-07A	30	FD	04/12/05	< 0.4 U	--	--	< 10 U	< 2.4 U	< 2.4 U
Cross-Gradient	AA-BW-07A	49	N	10/23/07	< 1 U	< 1 U	< 2 U	< 10 U	< 2 UJ	< 2 UJ
Cross-Gradient	AA-BW-07A	49	FD	10/23/07	< 1 U	< 1 U	< 2 U	< 10 U	< 2 UJ	< 2 UJ
Cross-Gradient	AA-BW-07A	55a	N	01/21/09	< 1.9 U	< 1.9 U	< 0.96 U	< 3.2 U	< 0.96 U	< 1.9 U
Cross-Gradient	AA-BW-07A	55b	N	04/23/09	< 1.9 U	< 1.9 U	< 0.94 U	< 3.1 U	< 0.94 U	< 1.9 U
Up-Gradient	AA-BW-08A	30	N	04/15/05	2.3 J	--	--	< 10 U	< 2.4 U	< 2.4 U
Up-Gradient	AA-BW-08A	49	N	10/25/07	1.8 J	< 1 U	4.7 J	< 50 U	< 2 U	< 2 U
Up-Gradient	AA-BW-08A	55a	N	01/20/09	< 20 U	< 20 U	< 9.8 U	< 32 U	< 9.8 U	< 20 U
Up-Gradient	AA-BW-08A	55b	N	04/28/09	< 76 U	< 76 U	< 38 U	< 126 U	< 38 U	< 76 U
Up-Gradient	AA-BW-08A	55b	FD	04/28/09	< 76 U	< 76 U	< 38 U	< 126 U	< 38 U	< 76 U
Up-Gradient	AA-BW-09A	30	N	04/16/05	< 0.4 U	--	--	< 10 U	< 1.4 U	2.5 J
Up-Gradient	AA-BW-09A	49	N	10/29/07	< 1 U	< 1 U	< 2 U	< 9.5 U	< 2 U	5.2 J
Up-Gradient	AA-BW-09A	55a	N	01/20/09	< 1.9 U	< 1.9 U	< 0.97 U	< 3.2 U	< 0.97 U	6.96 J
Up-Gradient	AA-BW-09A	55b	N	04/29/09	< 1.8 U	< 1.8 U	1.23 J	< 3 U	3.66 J	< 1.8 U
Up-Gradient	AA-MW-07	55a	N	01/22/09	< 19 U	< 19 U	< 9.5 U	< 31 U	< 9.5 U	20.3 J
Up-Gradient	EC-2	55a	N	01/22/09	28.5 J	< 19 U	< 9.5 U	< 31 U	< 9.5 U	< 19 U
Down-Gradient	H-21R	55a	N	01/23/09	< 1.9 U	< 1.9 U	< 0.95 U	< 3.1 U	1.23 J	< 1.9 U
Down-Gradient	H-28	55a	N	01/26/09	< 1.9 U	< 1.9 U	< 0.95 U	< 3.1 U	< 0.95 U	< 1.9 U
Down-Gradient	H-28	55b	N	04/22/09	< 1.9 U	< 1.9 U	< 0.97 U	< 3.2 U	< 0.97 U	< 1.9 U
Down-Gradient	H-43	55a	N	01/27/09	< 1.9 U	< 1.9 U	< 0.95 U	< 3.1 U	< 0.95 U	< 1.9 U
Down-Gradient	H-43	55b	N	04/21/09	< 1.9 U	< 1.9 U	< 0.97 U	< 3.2 U	< 0.97 U	< 1.9 U
Down-Gradient	M7B	55a	N	02/03/09	< 1.9 U	< 1.9 U	< 0.95 U	< 3.1 U	< 0.95 U	< 1.9 U
Down-Gradient	M7B	55b	N	04/23/09	< 1.9 U	< 1.9 U	< 0.94 U	< 3.1 U	< 0.94 U	< 1.9 U

Note: This table includes all data, regardless of date. Because of this, the total number of analyses does not always coincide with the total number of analyses reported in Tables 3-2a,b,c, which include only 2009 data.
-- = no sample data.

TABLE 3-4
SEMI-VOLATILE ORGANIC COMPOUND (SVOC) RESULTS
1ST AND 2ND QUARTER 2009 GROUNDWATER MONITORING EVENTS
CAMU AREA, CLARK COUNTY, NEVADA
(Page 2 of 11)

Location	Well ID	DVSR	Sample Type	Sample Date	2,4-Dichlorophenol	2,4-Dimethylphenol	2,4-Dinitrophenol	2,4-Dinitrotoluene	2,6-Dinitrotoluene	2-Chloronaphthalene
				Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
				MCL	--	--	--	--	--	--
				BCL	110	730	73	0.22	37	2920
Cross-Gradient	AA-BW-01A	30	N	04/21/05	36	< 1.6 U	< 6.7 U	< 1.8 U	< 1.7 U	< 1.8 U
Cross-Gradient	AA-BW-01A	49	N	10/24/07	32	< 1 U	< 10 U	< 1.1 U	< 1.1 U	< 1 U
Cross-Gradient	AA-BW-01A	55a	N	01/19/09	65.7	< 1.9 U	< 9.6 U	< 1.9 U	< 1.9 U	2.66
Cross-Gradient	AA-BW-01A	55b	N	04/27/09	54.9	< 1.9 UJ	< 9.4 U	< 1.9 U	< 1.9 U	< 0.33 U
Cross-Gradient	AA-BW-02A	30	N	04/14/05	< 0.91 U	< 1 UJ-	< 6.7 U	< 4 UJ-	< 3 UJ-	< 1 U
Cross-Gradient	AA-BW-02A	30	FD	04/14/05	< 0.91 U	< 1 UJ-	< 6.7 U	< 4 UJ-	< 3 UJ-	< 1 U
Cross-Gradient	AA-BW-02A	49	N	10/29/07	< 1 U	< 1 U	< 10 U	< 1.1 U	< 1.1 U	< 1 U
Cross-Gradient	AA-BW-02A	55a	N	01/19/09	< 1.9 U	< 1.9 U	< 9.6 U	< 1.9 U	< 1.9 U	< 0.34 U
Cross-Gradient	AA-BW-02A	55a	FD	01/30/09	< 1.9 U	< 1.9 U	< 9.6 U	< 1.9 U	< 1.9 U	< 0.34 U
Cross-Gradient	AA-BW-02A	55b	N	04/27/09	< 1.6 U	< 1.6 UJ	< 7.9 U	< 1.6 U	< 1.6 U	< 0.28 U
Cross-Gradient	AA-BW-03A	30	N	04/13/05	< 0.91 U	< 1 U	< 6.7 U	< 4 U	< 3 U	< 1 U
Cross-Gradient	AA-BW-03A	49	N	10/26/07	< 1 U	< 1 U	< 10 U	< 1.1 U	< 1.1 U	< 1 U
Cross-Gradient	AA-BW-03A	55a	N	01/21/09	< 1.8 U	< 1.8 U	< 8.8 U	< 1.8 U	< 1.8 U	< 0.31 U
Cross-Gradient	AA-BW-03A	55b	N	04/28/09	< 1.9 U	< 1.9 UJ	< 9.5 U	< 1.9 U	< 1.9 U	< 0.33 U
Down-Gradient	AA-BW-04A	30	N	04/19/05	15	< 1.6 U	< 6.7 U	< 1.8 U	< 1.7 U	< 1.8 U
Down-Gradient	AA-BW-04A	49	N	10/23/07	21 J-	< 1 U	< 10 U	< 1.1 U	< 1.1 U	< 1 U
Down-Gradient	AA-BW-04A	55a	N	01/26/09	15.4	< 1.9 U	< 9.5 U	< 1.9 U	< 1.9 U	2.98
Down-Gradient	AA-BW-04A	55a	FD	01/26/09	20 J	< 7.6 U	< 38 U	< 7.6 U	< 7.6 U	< 1.3 U
Down-Gradient	AA-BW-04A	55b	N	04/20/09	21.6	< 1.7 U	< 8.7 U	< 1.7 U	< 1.7 U	< 0.3 U
Down-Gradient	AA-BW-04A	55b	FD	04/20/09	23.2	< 2 U	< 9.8 U	< 2 U	< 2 U	< 0.34 U
Down-Gradient	AA-BW-05A	30	N	04/19/05	220 J-	< 1.6 U	< 6.7 U	< 1.8 U	< 1.7 U	< 1.8 U
Down-Gradient	AA-BW-05A	49	N	10/23/07	8.6 J-	< 1 U	< 10 U	< 1.1 U	< 1.1 U	< 1 U
Down-Gradient	AA-BW-05A	55a	N	01/23/09	3 J	< 2 U	< 10 U	< 2 U	< 2 U	< 0.35 U
Down-Gradient	AA-BW-05A	55b	N	04/21/09	2.12 J	< 1.9 U	< 9.7 U	< 1.9 U	< 1.9 U	< 0.34 U
Down-Gradient	AA-BW-06A	30	N	04/19/05	5.4 J	< 1.6 U	< 6.7 U	< 1.8 U	< 1.7 U	< 1.8 U
Down-Gradient	AA-BW-06A	49	N	10/23/07	1.5 J-	< 1 U	< 10 U	< 1.1 U	< 1.1 U	< 1 U
Down-Gradient	AA-BW-06A	55a	N	01/27/09	< 1.9 U	< 1.9 U	< 9.4 U	< 1.9 U	< 1.9 U	< 0.33 U
Down-Gradient	AA-BW-06A	55b	N	04/22/09	< 1.9 U	< 1.9 U	< 9.6 U	< 1.9 U	< 1.9 U	< 0.34 U
Cross-Gradient	AA-BW-07A	30	N	04/12/05	< 0.91 U	< 1 U	< 6.7 U	< 4 UJ-	< 3 UJ-	< 1 U
Cross-Gradient	AA-BW-07A	30	FD	04/12/05	< 0.91 U	< 1 U	< 6.7 U	< 4 UJ-	< 3 UJ-	< 1 U
Cross-Gradient	AA-BW-07A	49	N	10/23/07	< 1 UJ	< 1 UJ	< 10 UJ	< 1.1 U	< 1.1 U	< 1 U
Cross-Gradient	AA-BW-07A	49	FD	10/23/07	< 1 UJ	< 1 UJ	< 10 UJ	< 1.1 U	< 1.1 U	< 1 U
Cross-Gradient	AA-BW-07A	55a	N	01/21/09	< 1.9 U	< 1.9 U	< 9.6 U	< 1.9 U	< 1.9 U	< 0.34 U
Cross-Gradient	AA-BW-07A	55b	N	04/23/09	< 1.9 U	< 1.9 U	< 9.4 U	< 1.9 U	< 1.9 U	< 0.33 U
Up-Gradient	AA-BW-08A	30	N	04/15/05	12	< 1 U	< 6.7 U	< 4 U	< 3 U	< 1 U
Up-Gradient	AA-BW-08A	49	N	10/25/07	18	< 1 U	< 10 U	< 1.1 U	< 1.1 U	< 1 U
Up-Gradient	AA-BW-08A	55a	N	01/20/09	26.9 J	< 20 U	< 98 U	< 20 U	< 20 U	< 3.4 U
Up-Gradient	AA-BW-08A	55b	N	04/28/09	< 76 U	< 76 U	< 381 U	< 76 U	< 76 U	< 13 U
Up-Gradient	AA-BW-08A	55b	FD	04/28/09	< 76 U	< 76 U	< 381 U	< 76 U	< 76 U	< 13 U
Up-Gradient	AA-BW-09A	30	N	04/16/05	5 J	< 1.6 U	< 6.7 U	< 1.8 U	< 1.7 U	< 1.8 U
Up-Gradient	AA-BW-09A	49	N	10/29/07	11	< 1 U	< 10 U	< 1.1 U	< 1.1 U	< 1 U
Up-Gradient	AA-BW-09A	55a	N	01/20/09	17	< 1.9 U	< 9.7 U	< 1.9 U	< 1.9 U	< 0.34 U
Up-Gradient	AA-BW-09A	55b	N	04/29/09	12.9	< 1.8 U	< 8.9 U	< 1.8 U	< 1.8 U	< 0.31 U
Up-Gradient	AA-MW-07	55a	N	01/22/09	78.8 J	< 19 U	< 95 U	< 19 U	< 19 U	< 3.3 U
Up-Gradient	EC-2	55a	N	01/22/09	< 19 U	< 19 U	< 95 U	< 19 U	< 19 U	< 3.3 U
Down-Gradient	H-21R	55a	N	01/23/09	< 1.9 U	< 1.9 U	< 9.5 U	< 1.9 U	< 1.9 U	< 0.33 U
Down-Gradient	H-28	55a	N	01/26/09	< 1.9 U	< 1.9 U	< 9.5 U	< 1.9 U	< 1.9 U	< 0.33 U
Down-Gradient	H-28	55b	N	04/22/09	< 1.9 U	< 1.9 U	< 9.7 U	< 1.9 U	< 1.9 U	< 0.34 U
Down-Gradient	H-43	55a	N	01/27/09	5.15 J	< 1.9 U	< 9.5 U	< 1.9 U	< 1.9 U	< 0.33 U
Down-Gradient	H-43	55b	N	04/21/09	4.23 J	< 1.9 U	< 9.7 U	< 1.9 U	< 1.9 U	< 0.34 U
Down-Gradient	M7B	55a	N	02/03/09	< 1.9 U	< 1.9 U	< 9.5 U	< 1.9 U	< 1.9 U	< 0.33 U
Down-Gradient	M7B	55b	N	04/23/09	< 1.9 U	< 1.9 U	< 9.4 U	< 1.9 U	< 1.9 U	< 0.33 U

Note: This table includes all data, regardless of date. Because of this, the total number of analyses does not always coincide with the total number of analyses reported in Tables 3-2a,b,c, which include only 2009 data.
-- = no sample data.

TABLE 3-4
SEMI-VOLATILE ORGANIC COMPOUND (SVOC) RESULTS
1ST AND 2ND QUARTER 2009 GROUNDWATER MONITORING EVENTS
CAMU AREA, CLARK COUNTY, NEVADA
(Page 3 of 11)

Location	Well ID	DVSR	Sample Type	Sample Date	2-Chlorophenol	2-Methylnaphthalene	2-Nitroaniline	2-Nitrophenol	3,3-Dichlorobenzidine	3-Nitroaniline
				Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
				MCL	--	--	--	--	--	--
				BCL	180	--	110	--	0.15	--
Cross-Gradient	AA-BW-01A	30	N	04/21/05	54	< 2.2 U	< 1.7 U	< 1.6 U	< 2.4 UJ-	< 1.7 U
Cross-Gradient	AA-BW-01A	49	N	10/24/07	30	< 1 U	< 2 U	< 1 U	< 1 U	< 1.1 U
Cross-Gradient	AA-BW-01A	55a	N	01/19/09	35.9	< 0.29 U	< 1.9 U	< 1.9 U	< 0.96 U	< 1.9 UJ
Cross-Gradient	AA-BW-01A	55b	N	04/27/09	43.5	< 0.28 U	< 1.9 U	< 1.9 U	< 0.94 U	< 1.9 U
Cross-Gradient	AA-BW-02A	30	N	04/14/05	10 J-	< 1.1 U	< 0.71 U	< 1.9 U	< 2.6 U	< 0.85 U
Cross-Gradient	AA-BW-02A	30	FD	04/14/05	9 J-	< 1.1 U	< 0.71 U	< 1.9 U	< 2.6 U	< 0.85 U
Cross-Gradient	AA-BW-02A	49	N	10/29/07	< 1 U	< 1 U	< 2 U	< 1 U	< 1 U	< 1.1 U
Cross-Gradient	AA-BW-02A	55a	N	01/19/09	< 1.9 U	< 0.29 U	< 1.9 U	< 1.9 U	< 0.96 U	< 1.9 UJ
Cross-Gradient	AA-BW-02A	55a	FD	01/30/09	< 1.9 U	< 0.29 U	< 1.9 U	< 1.9 U	< 0.96 U	< 1.9 UJ
Cross-Gradient	AA-BW-02A	55b	N	04/27/09	< 1.6 U	< 0.24 U	< 1.6 U	< 1.6 U	< 0.79 U	< 1.6 U
Cross-Gradient	AA-BW-03A	30	N	04/13/05	< 0.92 U	< 1.1 U	< 0.71 U	< 1.9 U	< 2.6 U	< 0.85 U
Cross-Gradient	AA-BW-03A	49	N	10/26/07	< 1 U	< 1 U	< 2 U	< 1 U	< 1 U	< 1.1 U
Cross-Gradient	AA-BW-03A	55a	N	01/21/09	< 1.8 U	< 0.27 U	< 1.8 U	< 1.8 U	< 0.88 U	< 1.8 UJ
Cross-Gradient	AA-BW-03A	55b	N	04/28/09	< 1.9 U	< 0.29 U	< 1.9 U	< 1.9 U	< 0.95 U	< 1.9 U
Down-Gradient	AA-BW-04A	30	N	04/19/05	28	< 2.2 U	< 1.7 U	< 1.6 U	< 2.4 U	< 1.7 U
Down-Gradient	AA-BW-04A	49	N	10/23/07	36	< 1 U	< 2 U	< 1 U	< 1 U	< 1.1 U
Down-Gradient	AA-BW-04A	55a	N	01/26/09	15.9	< 0.29 U	< 1.9 U	< 1.9 U	< 0.95 U	< 1.9 U
Down-Gradient	AA-BW-04A	55a	FD	01/26/09	25.9 J	< 1.1 U	< 7.6 U	< 7.6 U	< 3.8 U	< 7.6 U
Down-Gradient	AA-BW-04A	55b	N	04/20/09	23.6	0.296 J	< 1.7 U	< 1.7 U	< 0.87 U	< 1.7 U
Down-Gradient	AA-BW-04A	55b	FD	04/20/09	26.2	< 0.29 U	< 2 U	< 2 U	< 0.98 U	< 2 U
Down-Gradient	AA-BW-05A	30	N	04/19/05	590 J-	< 2.2 U	< 1.7 U	< 1.6 U	< 2.4 U	< 1.7 U
Down-Gradient	AA-BW-05A	49	N	10/23/07	< 1 U	< 1 U	< 2 U	< 1 U	< 1 U	< 1.1 U
Down-Gradient	AA-BW-05A	55a	N	01/23/09	< 2 U	0.651 J	< 2 U	< 2 U	< 1 U	< 2 U
Down-Gradient	AA-BW-05A	55b	N	04/21/09	< 1.9 U	0.508 J	< 1.9 U	< 1.9 U	< 0.97 U	< 1.9 U
Down-Gradient	AA-BW-06A	30	N	04/19/05	< 1.6 U	< 2.2 U	< 1.7 U	< 1.6 U	< 2.4 U	< 1.7 U
Down-Gradient	AA-BW-06A	49	N	10/23/07	< 1 U	< 1 U	< 2 U	< 1 U	< 1 U	< 1.1 U
Down-Gradient	AA-BW-06A	55a	N	01/27/09	< 1.9 U	< 0.28 U	< 1.9 U	< 1.9 U	< 0.94 U	< 1.9 U
Down-Gradient	AA-BW-06A	55b	N	04/22/09	< 1.9 U	< 0.29 U	< 1.9 U	< 1.9 U	< 0.96 U	< 1.9 U
Cross-Gradient	AA-BW-07A	30	N	04/12/05	< 0.92 U	< 1.1 U	< 0.71 U	< 1.9 U	< 2.6 U	< 0.85 U
Cross-Gradient	AA-BW-07A	30	FD	04/12/05	< 0.92 U	< 1.1 U	< 0.71 U	< 1.9 U	< 2.6 U	< 0.85 U
Cross-Gradient	AA-BW-07A	49	N	10/23/07	< 1 UJ	< 1 U	< 2 U	< 1 UJ	< 1 U	< 1.1 U
Cross-Gradient	AA-BW-07A	49	FD	10/23/07	< 1 UJ	< 1 U	< 2 U	< 1 UJ	< 1 U	< 1.1 U
Cross-Gradient	AA-BW-07A	55a	N	01/21/09	< 1.9 U	< 0.29 U	< 1.9 U	< 1.9 U	< 0.96 U	< 1.9 UJ
Cross-Gradient	AA-BW-07A	55b	N	04/23/09	< 1.9 U	< 0.28 U	< 1.9 U	< 1.9 U	< 0.94 U	< 1.9 U
Up-Gradient	AA-BW-08A	30	N	04/15/05	4 J	< 1.1 U	< 0.71 U	< 1.9 U	< 2.6 U	< 0.85 U
Up-Gradient	AA-BW-08A	49	N	10/25/07	3.9 J	< 1 U	< 2 U	< 1 U	< 1 U	< 1.1 U
Up-Gradient	AA-BW-08A	55a	N	01/20/09	< 20 U	< 2.9 U	< 20 U	< 20 U	< 9.8 U	< 20 UJ
Up-Gradient	AA-BW-08A	55b	N	04/28/09	< 76 U	< 11 U	< 76 U	< 76 U	< 38 U	< 76 U
Up-Gradient	AA-BW-08A	55b	FD	04/28/09	< 76 U	< 11 U	< 76 U	< 76 U	< 38 U	< 76 U
Up-Gradient	AA-BW-09A	30	N	04/16/05	63	< 2.2 U	< 1.7 U	< 1.6 U	< 2.4 U	< 1.7 U
Up-Gradient	AA-BW-09A	49	N	10/29/07	79	< 1 U	< 2 U	< 1 U	< 1 U	< 1.1 U
Up-Gradient	AA-BW-09A	55a	N	01/20/09	77.4	< 0.29 U	< 1.9 U	< 1.9 U	< 0.97 U	< 1.9 UJ
Up-Gradient	AA-BW-09A	55b	N	04/29/09	79.4	< 0.27 U	< 1.8 U	< 1.8 U	< 0.89 U	< 1.8 U
Up-Gradient	AA-MW-07	55a	N	01/22/09	23.8 J	< 2.9 U	< 19 U	< 19 U	< 9.5 U	< 19 UJ
Up-Gradient	EC-2	55a	N	01/22/09	21.9 J	3.45 J	< 19 U	< 19 U	< 9.5 U	< 19 UJ
Down-Gradient	H-21R	55a	N	01/23/09	< 1.9 U	< 0.29 U	< 1.9 U	< 1.9 U	< 0.95 U	< 1.9 U
Down-Gradient	H-28	55a	N	01/26/09	< 1.9 U	< 0.29 U	< 1.9 U	< 1.9 U	< 0.95 U	< 1.9 U
Down-Gradient	H-28	55b	N	04/22/09	< 1.9 U	< 0.29 U	< 1.9 U	< 1.9 U	< 0.97 U	< 1.9 U
Down-Gradient	H-43	55a	N	01/27/09	< 1.9 U	< 0.29 U	< 1.9 U	< 1.9 U	< 0.95 U	< 1.9 U
Down-Gradient	H-43	55b	N	04/21/09	< 1.9 U	< 0.29 U	< 1.9 U	< 1.9 U	< 0.97 U	< 1.9 U
Down-Gradient	M7B	55a	N	02/03/09	< 1.9 U	< 0.29 U	< 1.9 U	< 1.9 U	< 0.95 U	< 1.9 U
Down-Gradient	M7B	55b	N	04/23/09	< 1.9 U	< 0.28 U	< 1.9 U	< 1.9 U	< 0.94 U	< 1.9 U

Note: This table includes all data, regardless of date. Because of this, the total number of analyses does not always coincide with the total number of analyses reported in Tables 3-2a,b,c, which include only 2009 data.
-- = no sample data.

TABLE 3-4
SEMI-VOLATILE ORGANIC COMPOUND (SVOC) RESULTS
1ST AND 2ND QUARTER 2009 GROUNDWATER MONITORING EVENTS
CAMU AREA, CLARK COUNTY, NEVADA
(Page 4 of 11)

Location	Well ID	DVSR	Sample Type	Sample Date	4-Bromophenyl phenyl ether	4-Chloro-3-methylphenol	4-Chlorophenyl phenyl ether	4-Chlorothioanisole	4-Nitroaniline	4-Nitrophenol
				Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
				MCL	--	--	--	--	--	--
				BCL	--	--	--	--	--	290
Cross-Gradient	AA-BW-01A	30	N	04/21/05	< 1.9 U	< 1.6 U	< 2 U	< 10000 U	< 1.9 UJ-	< 3.2 U
Cross-Gradient	AA-BW-01A	49	N	10/24/07	< 1 U	< 1 U	< 1 U	< 19 U	< 1.3 U	< 5 U
Cross-Gradient	AA-BW-01A	55a	N	01/19/09	< 1.9 U	< 1.9 U	< 1.9 U	< 3.2 U	< 2.9 UJ	< 1.9 U
Cross-Gradient	AA-BW-01A	55b	N	04/27/09	< 1.9 U	< 1.9 U	< 1.9 U	< 3.1 U	< 2.8 U	< 1.9 UJ
Cross-Gradient	AA-BW-02A	30	N	04/14/05	< 1 UJ-	< 0.87 UJ-	< 1.1 UJ-	< 10 U	< 0.84 U	< 3.2 U
Cross-Gradient	AA-BW-02A	30	FD	04/14/05	< 1 UJ-	< 0.87 UJ-	< 1.1 UJ-	< 10 U	< 0.84 U	< 3.2 U
Cross-Gradient	AA-BW-02A	49	N	10/29/07	< 1 U	< 1 U	< 1 U	< 19 U	< 1.3 U	< 5 U
Cross-Gradient	AA-BW-02A	55a	N	01/19/09	< 1.9 U	< 1.9 U	< 1.9 U	< 3.2 U	< 2.9 UJ	< 1.9 U
Cross-Gradient	AA-BW-02A	55a	FD	01/30/09	< 1.9 U	< 1.9 U	< 1.9 U	< 3.2 U	< 2.9 UJ	< 1.9 U
Cross-Gradient	AA-BW-02A	55b	N	04/27/09	< 1.6 U	< 1.6 U	< 1.6 U	< 2.6 U	< 2.4 U	< 1.6 UJ
Cross-Gradient	AA-BW-03A	30	N	04/13/05	< 1 UJ-	< 0.87 U	< 1.1 UJ-	< 10 U	< 0.84 U	< 3.2 U
Cross-Gradient	AA-BW-03A	49	N	10/26/07	< 1 U	< 1 U	< 1 U	< 19 U	< 1.3 U	< 5 U
Cross-Gradient	AA-BW-03A	55a	N	01/21/09	< 1.8 U	< 1.8 U	< 1.8 U	< 2.9 U	< 2.7 UJ	< 1.8 U
Cross-Gradient	AA-BW-03A	55b	N	04/28/09	< 1.9 U	< 1.9 U	< 1.9 U	< 3.1 U	< 2.9 U	< 1.9 UJ
Down-Gradient	AA-BW-04A	30	N	04/19/05	< 1.9 U	< 1.6 U	< 2 U	< 5000 U	< 1.9 U	< 3.2 U
Down-Gradient	AA-BW-04A	49	N	10/23/07	< 1 U	< 1 U	< 1 U	< 19 U	< 1.3 U	< 5 U
Down-Gradient	AA-BW-04A	55a	N	01/26/09	< 1.9 U	< 1.9 U	< 1.9 U	< 3.1 U	< 2.9 U	< 1.9 U
Down-Gradient	AA-BW-04A	55a	FD	01/26/09	< 7.6 U	< 7.6 U	< 7.6 U	< 13 U	< 11 U	< 7.6 U
Down-Gradient	AA-BW-04A	55b	N	04/20/09	< 1.7 U	< 1.7 U	< 1.7 U	< 2.9 U	< 2.6 U	< 1.7 U
Down-Gradient	AA-BW-04A	55b	FD	04/20/09	< 2 U	< 2 U	< 2 U	< 3.2 U	< 2.9 U	< 2 U
Down-Gradient	AA-BW-05A	30	N	04/19/05	< 1.9 U	< 1.6 U	< 2 U	< 10 UJ-	< 1.9 U	< 3.2 U
Down-Gradient	AA-BW-05A	49	N	10/23/07	< 1 U	< 1 U	< 1 U	< 19 U	< 1.3 U	< 5 U
Down-Gradient	AA-BW-05A	55a	N	01/23/09	< 2 U	< 2 U	< 2 U	< 3.3 U	< 3 U	< 2 U
Down-Gradient	AA-BW-05A	55b	N	04/21/09	< 1.9 U	< 1.9 U	< 1.9 U	6.89 J	< 2.9 U	< 1.9 U
Down-Gradient	AA-BW-06A	30	N	04/19/05	< 1.9 U	< 1.6 U	< 2 U	< 10 UJ-	< 1.9 U	< 3.2 U
Down-Gradient	AA-BW-06A	49	N	10/23/07	< 1 U	< 1 U	< 1 U	< 19 U	< 1.3 U	< 5 U
Down-Gradient	AA-BW-06A	55a	N	01/27/09	< 1.9 U	< 1.9 U	< 1.9 U	< 3.1 U	< 2.8 U	< 1.9 U
Down-Gradient	AA-BW-06A	55b	N	04/22/09	< 1.9 U	< 1.9 U	< 1.9 U	< 3.2 U	< 2.9 U	< 1.9 U
Cross-Gradient	AA-BW-07A	30	N	04/12/05	< 1 UJ-	< 0.87 U	< 1.1 UJ-	< 10 U	< 0.84 U	< 3.2 U
Cross-Gradient	AA-BW-07A	30	FD	04/12/05	< 1 UJ-	< 0.87 U	< 1.1 UJ-	< 10 U	< 0.84 U	< 3.2 U
Cross-Gradient	AA-BW-07A	49	N	10/23/07	< 1 U	< 1 UJ	< 1 U	< 19 U	< 1.3 U	< 5 UJ
Cross-Gradient	AA-BW-07A	49	FD	10/23/07	< 1 U	< 1 UJ	< 1 U	< 19 U	< 1.3 U	< 5 UJ
Cross-Gradient	AA-BW-07A	55a	N	01/21/09	< 1.9 U	< 1.9 U	< 1.9 U	< 3.2 U	< 2.9 UJ	< 1.9 U
Cross-Gradient	AA-BW-07A	55b	N	04/23/09	< 1.9 U	< 1.9 U	< 1.9 U	< 3.1 U	< 2.8 U	< 1.9 U
Up-Gradient	AA-BW-08A	30	N	04/15/05	< 1 U	< 0.87 U	< 1.1 U	< 10 UJ-	< 0.84 U	< 3.2 U
Up-Gradient	AA-BW-08A	49	N	10/25/07	< 1 U	< 1 U	< 1 U	< 19 U	< 1.3 U	< 5 U
Up-Gradient	AA-BW-08A	55a	N	01/20/09	< 20 U	< 20 U	< 20 U	< 32 U	< 29 UJ	< 20 U
Up-Gradient	AA-BW-08A	55b	N	04/28/09	< 76 U	< 76 U	< 76 U	< 126 U	< 114 U	< 76 U
Up-Gradient	AA-BW-08A	55b	FD	04/28/09	< 76 U	< 76 U	< 76 U	< 126 U	< 114 U	< 76 U
Up-Gradient	AA-BW-09A	30	N	04/16/05	< 1.9 U	< 1.6 U	< 2 U	< 2500 U	< 1.9 U	< 3.2 U
Up-Gradient	AA-BW-09A	49	N	10/29/07	< 1 U	< 1 U	< 1 U	< 19 U	< 1.3 U	< 5 U
Up-Gradient	AA-BW-09A	55a	N	01/20/09	< 1.9 U	< 1.9 U	< 1.9 U	< 3.2 U	< 2.9 UJ	< 1.9 U
Up-Gradient	AA-BW-09A	55b	N	04/29/09	< 1.8 U	< 1.8 U	< 1.8 U	< 3 U	< 2.7 U	< 1.8 U
Up-Gradient	AA-MW-07	55a	N	01/22/09	< 19 U	< 19 U	< 19 U	< 31 U	< 29 UJ	< 19 U
Up-Gradient	EC-2	55a	N	01/22/09	< 19 U	< 19 U	< 19 U	< 31 U	< 29 UJ	< 19 U
Down-Gradient	H-21R	55a	N	01/23/09	< 1.9 U	< 1.9 U	< 1.9 U	< 3.1 U	< 2.9 U	< 1.9 U
Down-Gradient	H-28	55a	N	01/26/09	< 1.9 U	< 1.9 U	< 1.9 U	< 3.1 U	< 2.9 U	< 1.9 U
Down-Gradient	H-28	55b	N	04/22/09	< 1.9 U	< 1.9 U	< 1.9 U	< 3.2 U	< 2.9 U	< 1.9 U
Down-Gradient	H-43	55a	N	01/27/09	< 1.9 U	< 1.9 U	< 1.9 U	< 3.1 U	< 2.9 U	< 1.9 U
Down-Gradient	H-43	55b	N	04/21/09	< 1.9 U	< 1.9 U	< 1.9 U	< 3.2 U	< 2.9 U	< 1.9 U
Down-Gradient	M7B	55a	N	02/03/09	< 1.9 U	< 1.9 U	< 1.9 U	< 3.1 U	< 2.9 U	< 1.9 U
Down-Gradient	M7B	55b	N	04/23/09	< 1.9 U	< 1.9 U	< 1.9 U	< 3.1 U	< 2.8 U	< 1.9 U

Note: This table includes all data, regardless of date. Because of this, the total number of analyses does not always coincide with the total number of analyses reported in Tables 3-2a,b,c, which include only 2009 data.
-- = no sample data.

TABLE 3-4
SEMI-VOLATILE ORGANIC COMPOUND (SVOC) RESULTS
1ST AND 2ND QUARTER 2009 GROUNDWATER MONITORING EVENTS
CAMU AREA, CLARK COUNTY, NEVADA
(Page 5 of 11)

Location	Well ID	DVSR	Sample Type	Sample Date	Acetophenone	Aniline	Benzenethiol	Benzoic acid	Benzyl alcohol	bis(2-Chloroethoxy) methane
				Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
				MCL	--	--	--	--	--	--
				BCL	3650	12	--	146000	18300	--
Cross-Gradient	AA-BW-01A	30	N	04/21/05	< 0.36 U	< 1.4 U	< 10 U	< 0.96 U	< 0.59 U	< 1.8 U
Cross-Gradient	AA-BW-01A	49	N	10/24/07	< 1 U	< 1 U	< 2 U	< 5 U	< 1 U	< 1 U
Cross-Gradient	AA-BW-01A	55a	N	01/19/09	< 1.9 U	< 2.4 U	< 6.4 U	< 5.8 U	< 1.9 U	< 2.9 U
Cross-Gradient	AA-BW-01A	55b	N	04/27/09	< 1.9 U	< 2.4 U	< 6.2 U	< 5.7 U	< 1.9 UJ	< 2.8 U
Cross-Gradient	AA-BW-02A	30	N	04/14/05	< 0.36 U	< 1.1 U	< 10 U	< 0.96 U	3.3 J-	< 1.2 UJ-
Cross-Gradient	AA-BW-02A	30	FD	04/14/05	< 0.36 U	< 1.1 U	< 10 U	< 0.96 U	3.5 J-	< 1.2 UJ-
Cross-Gradient	AA-BW-02A	49	N	10/29/07	< 1 U	< 1 U	< 2 U	< 5 U	< 1 U	< 1 U
Cross-Gradient	AA-BW-02A	55a	N	01/19/09	< 1.9 U	< 2.4 U	< 6.4 U	< 5.8 U	< 1.9 U	< 2.9 U
Cross-Gradient	AA-BW-02A	55a	FD	01/30/09	< 1.9 U	< 2.4 U	< 6.4 U	< 5.8 U	< 1.9 U	< 2.9 U
Cross-Gradient	AA-BW-02A	55b	N	04/27/09	< 1.6 U	< 2 U	< 5.2 U	< 4.8 U	< 1.6 UJ	< 2.4 U
Cross-Gradient	AA-BW-03A	30	N	04/13/05	< 0.36 U	< 1.1 U	< 10 U	< 0.96 U	< 1 U	< 1.2 U
Cross-Gradient	AA-BW-03A	49	N	10/26/07	< 1 U	< 1 U	< 2 U	< 5 U	< 1 U	< 1 U
Cross-Gradient	AA-BW-03A	55a	N	01/21/09	< 1.8 U	< 2.2 U	< 5.8 U	< 5.3 U	< 1.8 U	< 2.7 U
Cross-Gradient	AA-BW-03A	55b	N	04/28/09	< 1.9 U	< 2.4 U	< 6.3 U	< 5.7 U	< 1.9 UJ	< 2.9 U
Down-Gradient	AA-BW-04A	30	N	04/19/05	< 0.36 U	< 1.4 U	< 10 U	3.7 J	< 0.59 U	< 1.8 U
Down-Gradient	AA-BW-04A	49	N	10/23/07	2.1 J-	< 1 U	8.2 J	< 5 U	< 1 U	< 1 U
Down-Gradient	AA-BW-04A	55a	N	01/26/09	< 1.9 U	< 2.4 U	21.7	< 5.7 U	< 1.9 U	< 2.9 U
Down-Gradient	AA-BW-04A	55a	FD	01/26/09	< 7.6 U	< 9.5 U	28.3 J	< 23 U	< 7.6 U	< 11 U
Down-Gradient	AA-BW-04A	55b	N	04/20/09	2.27 J	< 2.2 U	21.6	< 5.2 U	< 1.7 UJ	< 2.6 U
Down-Gradient	AA-BW-04A	55b	FD	04/20/09	2.77 J	< 2.5 U	23.1	< 5.9 U	< 2 UJ	< 2.9 U
Down-Gradient	AA-BW-05A	30	N	04/19/05	< 0.36 U	< 1.4 U	< 10 U	< 0.96 U	< 0.59 U	< 1.8 U
Down-Gradient	AA-BW-05A	49	N	10/23/07	< 1 U	< 1 U	6.3 J	< 5 U	< 1 U	< 1 U
Down-Gradient	AA-BW-05A	55a	N	01/23/09	< 2 U	< 2.5 U	19.2	< 6 U	< 2 U	< 3 U
Down-Gradient	AA-BW-05A	55b	N	04/21/09	< 1.9 U	< 2.4 U	9.72	< 5.8 U	< 1.9 UJ	< 2.9 U
Down-Gradient	AA-BW-06A	30	N	04/19/05	< 0.36 U	< 1.4 U	< 10 U	< 0.96 U	< 0.59 U	< 1.8 U
Down-Gradient	AA-BW-06A	49	N	10/23/07	< 1 U	< 1 U	< 2 U	< 5 U	< 1 U	< 1 U
Down-Gradient	AA-BW-06A	55a	N	01/27/09	< 1.9 U	< 2.4 U	8.98 J	< 5.7 U	< 1.9 U	< 2.8 U
Down-Gradient	AA-BW-06A	55b	N	04/22/09	< 1.9 U	< 2.4 U	14.7	< 5.8 U	< 1.9 UJ	< 2.9 U
Cross-Gradient	AA-BW-07A	30	N	04/12/05	< 0.36 U	< 1.1 U	< 10 U	< 0.96 U	< 1 U	< 1.2 U
Cross-Gradient	AA-BW-07A	30	FD	04/12/05	< 0.36 U	< 1.1 U	< 10 U	< 0.96 U	< 1 U	< 1.2 U
Cross-Gradient	AA-BW-07A	49	N	10/23/07	< 1 U	< 1 U	< 2 UJ	< 5 UJ	< 1 U	< 1 U
Cross-Gradient	AA-BW-07A	49	FD	10/23/07	< 1 U	< 1 U	< 2 UJ	< 5 UJ	< 1 U	< 1 U
Cross-Gradient	AA-BW-07A	55a	N	01/21/09	< 1.9 U	< 2.4 U	< 6.4 U	< 5.8 U	< 1.9 U	< 2.9 U
Cross-Gradient	AA-BW-07A	55b	N	04/23/09	< 1.9 U	< 2.4 U	< 6.2 U	< 5.7 U	< 1.9 U	< 2.8 U
Up-Gradient	AA-BW-08A	30	N	04/15/05	< 0.36 U	< 1.1 U	60	< 0.96 U	< 1 U	< 1.2 U
Up-Gradient	AA-BW-08A	49	N	10/25/07	< 1 U	< 1 U	11	< 5 U	< 1 U	< 1 U
Up-Gradient	AA-BW-08A	55a	N	01/20/09	< 20 U	< 25 U	120	< 59 U	< 20 U	< 29 U
Up-Gradient	AA-BW-08A	55b	N	04/28/09	< 76 U	< 95 U	1120 J	< 229 U	< 76 U	< 114 U
Up-Gradient	AA-BW-08A	55b	FD	04/28/09	< 76 U	< 95 U	496 J	< 229 U	< 76 U	< 114 U
Up-Gradient	AA-BW-09A	30	N	04/16/05	< 0.36 U	< 1.4 U	< 10 U	< 0.96 U	< 0.59 U	< 1.8 U
Up-Gradient	AA-BW-09A	49	N	10/29/07	< 1 U	< 1 U	< 2 U	< 5 U	< 1 U	< 1 U
Up-Gradient	AA-BW-09A	55a	N	01/20/09	< 1.9 U	< 2.4 U	< 6.4 U	< 5.8 U	< 1.9 U	< 2.9 U
Up-Gradient	AA-BW-09A	55b	N	04/29/09	< 1.8 U	< 2.2 U	< 5.9 U	< 5.4 U	< 1.8 U	< 2.7 U
Up-Gradient	AA-MW-07	55a	N	01/22/09	< 19 U	< 24 U	< 63 U	< 57 U	< 19 U	< 29 U
Up-Gradient	EC-2	55a	N	01/22/09	< 19 U	< 24 U	244	< 57 U	< 19 U	< 29 U
Down-Gradient	H-21R	55a	N	01/23/09	< 1.9 U	< 2.4 U	105	< 5.7 U	< 1.9 U	< 2.9 U
Down-Gradient	H-28	55a	N	01/26/09	< 1.9 U	< 2.4 U	< 6.3 U	< 5.7 U	< 1.9 U	< 2.9 U
Down-Gradient	H-28	55b	N	04/22/09	< 1.9 U	< 2.4 U	< 6.4 U	< 5.8 U	< 1.9 UJ	< 2.9 U
Down-Gradient	H-43	55a	N	01/27/09	< 1.9 U	< 2.4 U	16.3	< 5.7 U	< 1.9 U	< 2.9 U
Down-Gradient	H-43	55b	N	04/21/09	< 1.9 U	< 2.4 U	54	< 5.8 U	< 1.9 UJ	< 2.9 U
Down-Gradient	M7B	55a	N	02/03/09	< 1.9 U	< 2.4 U	< 6.3 U	< 5.7 U	< 1.9 U	< 2.9 U
Down-Gradient	M7B	55b	N	04/23/09	< 1.9 U	< 2.4 U	< 6.2 U	< 5.7 U	< 1.9 U	< 2.8 U

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-- = no sample data.

TABLE 3-4
SEMI-VOLATILE ORGANIC COMPOUND (SVOC) RESULTS
1ST AND 2ND QUARTER 2009 GROUNDWATER MONITORING EVENTS
CAMU AREA, CLARK COUNTY, NEVADA
(Page 6 of 11)

Location	Well ID	DVSR	Sample Type	Sample Date	bis(2-Chloroethyl) ether	bis(2-Chloroisopropyl) ether	bis(2-Ethylhexyl)phthalate	bis(p-Chlorophenyl) sulfone	bis(p-Chlorophenyl) disulfide	Butylbenzyl phthalate
				Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
				MCL	--	--	6	--	--	--
				BCL	0.054	0.9	6	--	--	7300
Cross-Gradient	AA-BW-01A	30	N	04/21/05	< 1.9 U	< 1.1 U	< 2.6 U	< 10 U	< 10 U	< 2.9 U
Cross-Gradient	AA-BW-01A	49	N	10/24/07	< 1 U	< 1 U	< 1 U	< 0.19 U	< 10 U	< 1 U
Cross-Gradient	AA-BW-01A	55a	N	01/19/09	< 1.9 U	< 1.9 U	< 1.9 U	< 3.2 U	< 3.2 U	< 1.9 U
Cross-Gradient	AA-BW-01A	55b	N	04/27/09	< 1.9 U	< 1.9 U	< 1.9 U	< 3.1 U	< 3.1 U	< 1.9 U
Cross-Gradient	AA-BW-02A	30	N	04/14/05	< 1.1 U	< 1.1 U	3.8 J-	< 10 U	< 10 U	< 1.8 UJ-
Cross-Gradient	AA-BW-02A	30	FD	04/14/05	< 1.1 U	< 1.1 U	3.2 J-	< 10 U	< 10 U	< 1.8 UJ-
Cross-Gradient	AA-BW-02A	49	N	10/29/07	< 1 U	< 1 U	< 1 U	< 0.19 U	< 10 U	< 1 U
Cross-Gradient	AA-BW-02A	55a	N	01/19/09	< 1.9 U	< 1.9 U	< 1.9 U	< 3.2 U	< 3.2 U	< 1.9 U
Cross-Gradient	AA-BW-02A	55a	FD	01/30/09	< 1.9 U	< 1.9 U	< 1.9 U	< 3.2 U	< 3.2 U	< 1.9 U
Cross-Gradient	AA-BW-02A	55b	N	04/27/09	< 1.6 U	< 1.6 U	< 1.6 U	< 2.6 U	< 2.6 U	< 1.6 U
Cross-Gradient	AA-BW-03A	30	N	04/13/05	< 1.1 U	< 1.1 U	4.7 J	< 10 U	< 10 U	< 1.8 U
Cross-Gradient	AA-BW-03A	49	N	10/26/07	< 1 U	< 1 U	< 1 U	< 0.19 U	< 10 U	< 1 U
Cross-Gradient	AA-BW-03A	55a	N	01/21/09	< 1.8 U	< 1.8 U	< 1.8 U	< 2.9 U	< 2.9 U	< 1.8 U
Cross-Gradient	AA-BW-03A	55b	N	04/28/09	< 1.9 U	< 1.9 U	< 1.9 U	< 3.1 U	< 3.1 U	< 1.9 U
Down-Gradient	AA-BW-04A	30	N	04/19/05	< 1.9 U	< 1.1 U	3.9 J	< 10 U	< 10 U	< 2.9 U
Down-Gradient	AA-BW-04A	49	N	10/23/07	< 1 U	< 1 U	< 1 U	< 0.19 U	< 10 U	< 1 U
Down-Gradient	AA-BW-04A	55a	N	01/26/09	< 1.9 U	< 1.9 U	< 1.9 U	< 3.1 U	< 3.1 UJ	< 1.9 U
Down-Gradient	AA-BW-04A	55a	FD	01/26/09	< 7.6 U	< 7.6 U	< 7.6 U	< 13 U	< 13 UJ	< 7.6 U
Down-Gradient	AA-BW-04A	55b	N	04/20/09	< 1.7 U	< 1.7 U	< 1.7 U	< 2.9 U	< 2.9 U	< 1.7 U
Down-Gradient	AA-BW-04A	55b	FD	04/20/09	< 2 U	< 2 U	< 2 U	< 3.2 U	< 3.2 U	< 2 U
Down-Gradient	AA-BW-05A	30	N	04/19/05	< 1.9 U	< 1.1 U	6.4 J	< 10 U	30	< 2.9 U
Down-Gradient	AA-BW-05A	49	N	10/23/07	< 1 U	15 J-	< 1 U	< 0.19 U	33 J-	< 1 U
Down-Gradient	AA-BW-05A	55a	N	01/23/09	< 2 U	< 2 U	< 2 U	< 3.3 U	3.91 J	< 2 U
Down-Gradient	AA-BW-05A	55b	N	04/21/09	< 1.9 U	< 1.9 U	< 1.9 U	< 3.2 U	15.7	< 1.9 U
Down-Gradient	AA-BW-06A	30	N	04/19/05	< 1.9 U	< 1.1 U	2.7 J	< 10 U	13	< 2.9 U
Down-Gradient	AA-BW-06A	49	N	10/23/07	< 1 U	< 1 U	< 1 U	< 0.19 U	< 10 U	< 1 U
Down-Gradient	AA-BW-06A	55a	N	01/27/09	< 1.9 U	< 1.9 U	< 1.9 U	< 3.1 U	5.49 J	< 1.9 U
Down-Gradient	AA-BW-06A	55b	N	04/22/09	< 1.9 U	< 1.9 U	< 1.9 U	< 3.2 U	21.2	< 1.9 U
Cross-Gradient	AA-BW-07A	30	N	04/12/05	< 1.1 U	< 1.1 U	< 3.6 U	< 10 U	< 10 U	< 1.8 UJ-
Cross-Gradient	AA-BW-07A	30	FD	04/12/05	< 1.1 U	< 1.1 U	< 3.6 U	< 10 U	< 10 U	< 1.8 UJ-
Cross-Gradient	AA-BW-07A	49	N	10/23/07	< 1 U	< 1 U	< 1 U	< 0.19 U	< 10 U	< 1 U
Cross-Gradient	AA-BW-07A	49	FD	10/23/07	< 1 U	< 1 U	< 1 U	< 0.19 U	< 10 U	< 1 U
Cross-Gradient	AA-BW-07A	55a	N	01/21/09	< 1.9 U	< 1.9 U	< 1.9 U	< 3.2 U	< 3.2 U	< 1.9 U
Cross-Gradient	AA-BW-07A	55b	N	04/23/09	< 1.9 U	< 1.9 U	< 1.9 U	< 3.1 U	< 3.1 U	< 1.9 U
Up-Gradient	AA-BW-08A	30	N	04/15/05	< 1.1 U	< 1.1 U	6.7 J	< 10 U	13	< 1.8 U
Up-Gradient	AA-BW-08A	49	N	10/25/07	< 1 U	< 1 U	< 1 U	1.3 J	53	< 1 U
Up-Gradient	AA-BW-08A	55a	N	01/20/09	< 20 U	< 20 U	< 20 U	< 32 U	262	< 20 U
Up-Gradient	AA-BW-08A	55b	N	04/28/09	< 76 U	< 76 U	< 76 U	< 126 U	222 J	< 76 U
Up-Gradient	AA-BW-08A	55b	FD	04/28/09	< 76 U	< 76 U	< 76 U	< 126 U	213 J	< 76 U
Up-Gradient	AA-BW-09A	30	N	04/16/05	< 1.9 U	< 1.1 U	3.3 J	< 10 U	< 10 U	< 2.9 U
Up-Gradient	AA-BW-09A	49	N	10/29/07	< 1 U	< 1 U	< 1 U	< 0.19 U	< 10 U	< 1 U
Up-Gradient	AA-BW-09A	55a	N	01/20/09	< 1.9 U	< 1.9 U	< 1.9 U	< 3.2 U	< 3.2 U	< 1.9 U
Up-Gradient	AA-BW-09A	55b	N	04/29/09	< 1.8 U	< 1.8 U	< 1.8 U	< 3 U	< 3 U	< 1.8 U
Up-Gradient	AA-MW-07	55a	N	01/22/09	< 19 U	< 19 U	< 19 U	< 31 U	< 31 U	< 19 U
Up-Gradient	EC-2	55a	N	01/22/09	< 19 U	< 19 U	< 19 U	48.9 J	1530	< 19 U
Down-Gradient	H-21R	55a	N	01/23/09	< 1.9 U	< 1.9 U	< 1.9 U	< 3.1 U	33	< 1.9 U
Down-Gradient	H-28	55a	N	01/26/09	< 1.9 U	< 1.9 U	< 1.9 U	< 3.1 U	< 3.1 U	< 1.9 U
Down-Gradient	H-28	55b	N	04/22/09	< 1.9 U	< 1.9 U	< 1.9 U	< 3.2 U	< 3.2 U	< 1.9 U
Down-Gradient	H-43	55a	N	01/27/09	< 1.9 U	< 1.9 U	< 1.9 U	< 3.1 U	--	< 1.9 U
Down-Gradient	H-43	55b	N	04/21/09	< 1.9 U	< 1.9 U	< 1.9 U	< 3.2 U	18.6	< 1.9 U
Down-Gradient	M7B	55a	N	02/03/09	< 1.9 U	< 1.9 U	< 1.9 U	< 3.1 U	< 3.1 U	< 1.9 U
Down-Gradient	M7B	55b	N	04/23/09	< 1.9 U	< 1.9 U	< 1.9 U	< 3.1 U	< 3.1 U	< 1.9 U

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-- = no sample data.

TABLE 3-4
SEMI-VOLATILE ORGANIC COMPOUND (SVOC) RESULTS
1ST AND 2ND QUARTER 2009 GROUNDWATER MONITORING EVENTS
CAMU AREA, CLARK COUNTY, NEVADA
(Page 7 of 11)

Location	Well ID	DVSR	Sample Type	Sample Date	Carbazole	Dibenzofuran	Diethyl phthalate	Dimethyl phthalate	Di-n-butyl phthalate	Di-n-octyl phthalate
				Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
				MCL	--	--	--	--	--	--
				BCL	3.4	73	29200	365000	3650	--
Cross-Gradient	AA-BW-01A	30	N	04/21/05	< 2.3 U	< 2 U	< 2.3 U	< 1.9 U	< 3.6 U	< 2.3 U
Cross-Gradient	AA-BW-01A	49	N	10/24/07	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U
Cross-Gradient	AA-BW-01A	55a	N	01/19/09	< 0.19 UJ	< 1.9 U	< 1.9 U	< 1.9 U	< 1.9 U	< 2.9 U
Cross-Gradient	AA-BW-01A	55b	N	04/27/09	< 0.19 U	< 1.9 U	< 1.9 U	< 1.9 U	< 1.9 U	< 2.8 U
Cross-Gradient	AA-BW-02A	30	N	04/14/05	< 1.5 U	< 1.2 UJ-	< 3.6 U	< 2.1 UJ-	< 1.7 U	< 2.2 U
Cross-Gradient	AA-BW-02A	30	FD	04/14/05	< 1.5 U	< 1.2 UJ-	< 3.6 U	< 2.1 UJ-	< 1.7 U	< 2.2 U
Cross-Gradient	AA-BW-02A	49	N	10/29/07	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U
Cross-Gradient	AA-BW-02A	55a	N	01/19/09	< 0.19 UJ	< 1.9 U	< 1.9 U	< 1.9 U	< 1.9 U	< 2.9 U
Cross-Gradient	AA-BW-02A	55a	FD	01/30/09	< 0.19 UJ	< 1.9 U	< 1.9 U	< 1.9 U	< 1.9 U	< 2.9 U
Cross-Gradient	AA-BW-02A	55b	N	04/27/09	< 0.16 U	< 1.6 U	< 1.6 U	< 1.6 U	< 1.6 U	< 2.4 U
Cross-Gradient	AA-BW-03A	30	N	04/13/05	< 1.5 U	< 1.2 U	< 3.6 U	< 2.1 U	< 1.7 U	< 2.2 U
Cross-Gradient	AA-BW-03A	49	N	10/26/07	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U
Cross-Gradient	AA-BW-03A	55a	N	01/21/09	< 0.18 UJ	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 2.7 U
Cross-Gradient	AA-BW-03A	55b	N	04/28/09	< 0.19 U	< 1.9 U	< 1.9 U	< 1.9 U	< 1.9 U	< 2.9 U
Down-Gradient	AA-BW-04A	30	N	04/19/05	< 2.3 U	< 2 U	< 2.3 U	< 1.9 U	< 3.6 U	< 2.3 U
Down-Gradient	AA-BW-04A	49	N	10/23/07	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U
Down-Gradient	AA-BW-04A	55a	N	01/26/09	< 0.19 U	< 1.9 U	< 1.9 U	< 1.9 U	< 1.9 U	< 2.9 U
Down-Gradient	AA-BW-04A	55a	FD	01/26/09	< 0.76 U	< 7.6 U	< 7.6 U	< 7.6 U	< 7.6 U	< 11 U
Down-Gradient	AA-BW-04A	55b	N	04/20/09	< 0.17 U	< 1.7 U	< 1.7 U	< 1.7 U	< 1.7 U	< 2.6 U
Down-Gradient	AA-BW-04A	55b	FD	04/20/09	< 0.2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2.9 U
Down-Gradient	AA-BW-05A	30	N	04/19/05	< 2.3 U	< 2 U	< 2.3 U	< 1.9 U	< 3.6 U	< 2.3 U
Down-Gradient	AA-BW-05A	49	N	10/23/07	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U
Down-Gradient	AA-BW-05A	55a	N	01/23/09	< 0.2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 3 U
Down-Gradient	AA-BW-05A	55b	N	04/21/09	< 0.19 U	< 1.9 U	< 1.9 U	< 1.9 U	< 1.9 U	< 2.9 U
Down-Gradient	AA-BW-06A	30	N	04/19/05	< 2.3 U	< 2 U	< 2.3 U	< 1.9 U	< 3.6 U	< 2.3 U
Down-Gradient	AA-BW-06A	49	N	10/23/07	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U
Down-Gradient	AA-BW-06A	55a	N	01/27/09	< 0.19 U	< 1.9 U	< 1.9 U	< 1.9 U	< 1.9 U	< 2.8 U
Down-Gradient	AA-BW-06A	55b	N	04/22/09	< 0.19 U	< 1.9 U	< 1.9 U	< 1.9 U	< 1.9 U	< 2.9 U
Cross-Gradient	AA-BW-07A	30	N	04/12/05	< 1.5 U	< 1.2 U	< 3.6 U	< 2.1 UJ-	< 1.7 U	< 2.2 U
Cross-Gradient	AA-BW-07A	30	FD	04/12/05	< 1.5 U	< 1.2 U	< 3.6 U	< 2.1 UJ-	< 1.7 U	< 2.2 U
Cross-Gradient	AA-BW-07A	49	N	10/23/07	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U
Cross-Gradient	AA-BW-07A	49	FD	10/23/07	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U
Cross-Gradient	AA-BW-07A	55a	N	01/21/09	< 0.19 UJ	< 1.9 U	< 1.9 U	< 1.9 U	< 1.9 U	< 2.9 U
Cross-Gradient	AA-BW-07A	55b	N	04/23/09	< 0.19 U	< 1.9 U	< 1.9 U	< 1.9 U	< 1.9 U	< 2.8 U
Up-Gradient	AA-BW-08A	30	N	04/15/05	< 1.5 U	< 1.2 U	< 3.6 U	< 2.1 U	< 1.7 U	< 2.2 U
Up-Gradient	AA-BW-08A	49	N	10/25/07	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U
Up-Gradient	AA-BW-08A	55a	N	01/20/09	< 2 UJ	< 20 U	< 20 U	< 20 U	< 20 U	< 29 U
Up-Gradient	AA-BW-08A	55b	N	04/28/09	< 7.6 U	< 76 U	< 76 U	< 76 U	< 76 U	< 114 U
Up-Gradient	AA-BW-08A	55b	FD	04/28/09	< 7.6 U	< 76 U	< 76 U	< 76 U	< 76 U	< 114 U
Up-Gradient	AA-BW-09A	30	N	04/16/05	< 2.3 U	< 2 U	< 2.3 U	< 1.9 U	< 3.6 U	< 2.3 U
Up-Gradient	AA-BW-09A	49	N	10/29/07	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U
Up-Gradient	AA-BW-09A	55a	N	01/20/09	< 0.19 UJ	< 1.9 U	< 1.9 U	< 1.9 U	< 1.9 U	< 2.9 U
Up-Gradient	AA-BW-09A	55b	N	04/29/09	< 0.18 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 2.7 U
Up-Gradient	AA-MW-07	55a	N	01/22/09	< 1.9 UJ	< 19 U	< 19 U	< 19 U	< 19 U	< 29 U
Up-Gradient	EC-2	55a	N	01/22/09	< 1.9 UJ	< 19 U	< 19 U	< 19 U	< 19 U	< 29 U
Down-Gradient	H-21R	55a	N	01/23/09	< 0.19 U	< 1.9 U	< 1.9 U	< 1.9 U	< 1.9 U	< 2.9 U
Down-Gradient	H-28	55a	N	01/26/09	< 0.19 U	< 1.9 U	< 1.9 U	< 1.9 U	< 1.9 U	< 2.9 U
Down-Gradient	H-28	55b	N	04/22/09	< 0.19 U	< 1.9 U	< 1.9 U	< 1.9 U	< 1.9 U	< 2.9 U
Down-Gradient	H-43	55a	N	01/27/09	< 0.19 U	< 1.9 U	< 1.9 U	< 1.9 U	< 1.9 U	< 2.9 U
Down-Gradient	H-43	55b	N	04/21/09	< 0.19 U	< 1.9 U	< 1.9 U	< 1.9 U	< 1.9 U	< 2.9 U
Down-Gradient	M7B	55a	N	02/03/09	< 0.19 U	< 1.9 U	< 1.9 U	< 1.9 U	< 1.9 U	< 2.9 U
Down-Gradient	M7B	55b	N	04/23/09	< 0.19 U	< 1.9 U	< 1.9 U	< 1.9 U	< 1.9 U	< 2.8 U

Note: This table includes all data, regardless of date. Because of this, the total number of analyses does not always coincide with the total number of analyses reported in Tables 3-2a,b,c, which include only 2009 data.
-- = no sample data.

TABLE 3-4
SEMI-VOLATILE ORGANIC COMPOUND (SVOC) RESULTS
1ST AND 2ND QUARTER 2009 GROUNDWATER MONITORING EVENTS
CAMU AREA, CLARK COUNTY, NEVADA
(Page 8 of 11)

Location	Well ID	DVSR	Sample Type	Sample Date	Diphenyl disulfide	Diphenyl sulfide	Diphenyl sulfone	Diphenylamine	Fluoranthene	Fluorene
				Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
				MCL	--	--	--	--	--	--
				BCL	--	--	110	910	1460	1460
Cross-Gradient	AA-BW-01A	30	N	04/21/05	< 10 U	< 10 U	< 10 U	--	< 2.4 U	< 2 U
Cross-Gradient	AA-BW-01A	49	N	10/24/07	< 0.61 U	< 0.73 U	< 0.27 U	--	< 1 U	< 1 U
Cross-Gradient	AA-BW-01A	55a	N	01/19/09	< 3.2 U	< 3.2 U	< 3.2 U	< 2.9 U	< 0.19 U	< 0.19 U
Cross-Gradient	AA-BW-01A	55b	N	04/27/09	< 3.1 U	< 3.1 U	< 3.1 U	< 2.8 U	< 0.19 U	< 0.19 U
Cross-Gradient	AA-BW-02A	30	N	04/14/05	< 10 U	< 10 U	< 10 U	--	< 1.5 UJ-	< 1.2 UJ-
Cross-Gradient	AA-BW-02A	30	FD	04/14/05	< 10 U	< 10 U	< 10 U	--	< 1.5 UJ-	< 1.2 UJ-
Cross-Gradient	AA-BW-02A	49	N	10/29/07	1.3 J	< 0.73 U	< 0.27 U	--	< 1 U	< 1 U
Cross-Gradient	AA-BW-02A	55a	N	01/19/09	< 3.2 U	< 3.2 U	< 3.2 U	< 2.9 U	< 0.19 U	< 0.19 U
Cross-Gradient	AA-BW-02A	55a	FD	01/30/09	< 3.2 U	< 3.2 U	< 3.2 U	< 2.9 U	< 0.19 U	< 0.19 U
Cross-Gradient	AA-BW-02A	55b	N	04/27/09	< 2.6 U	< 2.6 U	< 2.6 U	< 2.4 U	< 0.16 U	< 0.16 U
Cross-Gradient	AA-BW-03A	30	N	04/13/05	< 10 U	< 10 U	< 10 U	--	< 1.5 U	< 1.2 UJ-
Cross-Gradient	AA-BW-03A	49	N	10/26/07	< 0.61 U	< 0.73 U	< 0.27 U	--	< 1 U	< 1 U
Cross-Gradient	AA-BW-03A	55a	N	01/21/09	< 2.9 U	< 2.9 U	< 2.9 U	< 2.7 U	< 0.18 U	< 0.18 U
Cross-Gradient	AA-BW-03A	55b	N	04/28/09	< 3.1 U	< 3.1 U	< 3.1 U	< 2.9 U	< 0.19 U	< 0.19 U
Down-Gradient	AA-BW-04A	30	N	04/19/05	< 10 U	< 10 U	< 10 U	--	< 2.4 U	< 2 U
Down-Gradient	AA-BW-04A	49	N	10/23/07	1.1 J-	< 0.73 U	< 0.27 U	--	< 1 U	< 1 U
Down-Gradient	AA-BW-04A	55a	N	01/26/09	5.32 J	< 3.1 U	< 3.1 U	< 2.9 U	< 0.19 U	< 0.19 U
Down-Gradient	AA-BW-04A	55a	FD	01/26/09	< 13 U	< 13 U	< 13 U	< 11 U	< 0.76 U	< 0.76 U
Down-Gradient	AA-BW-04A	55b	N	04/20/09	4.37 J	< 2.9 U	< 2.9 U	< 2.6 U	< 0.17 U	< 0.17 U
Down-Gradient	AA-BW-04A	55b	FD	04/20/09	4.38 J	< 3.2 U	< 3.2 U	< 2.9 U	< 0.2 U	< 0.2 U
Down-Gradient	AA-BW-05A	30	N	04/19/05	160 J-	< 10 U	< 10 U	--	< 2.4 U	< 2 U
Down-Gradient	AA-BW-05A	49	N	10/23/07	58 J-	< 0.73 U	< 0.27 U	--	< 1 U	< 1 U
Down-Gradient	AA-BW-05A	55a	N	01/23/09	34.8	< 3.3 U	< 3.3 U	< 3 U	< 0.2 U	< 0.2 U
Down-Gradient	AA-BW-05A	55b	N	04/21/09	41.4	< 3.2 U	< 3.2 U	< 2.9 U	< 0.19 U	< 0.19 U
Down-Gradient	AA-BW-06A	30	N	04/19/05	< 10 U	< 10 U	< 10 U	--	< 2.4 U	< 2 U
Down-Gradient	AA-BW-06A	49	N	10/23/07	5.2 J-	< 0.73 U	< 0.27 U	--	< 1 U	< 1 U
Down-Gradient	AA-BW-06A	55a	N	01/27/09	3.42 J	< 3.1 U	< 3.1 U	< 2.8 U	< 0.19 U	< 0.19 U
Down-Gradient	AA-BW-06A	55b	N	04/22/09	7.27 J	< 3.2 U	< 3.2 U	< 2.9 U	< 0.19 U	< 0.19 U
Cross-Gradient	AA-BW-07A	30	N	04/12/05	< 10 U	< 10 U	< 10 U	--	< 1.5 UJ-	< 1.2 UJ-
Cross-Gradient	AA-BW-07A	30	FD	04/12/05	< 10 U	< 10 U	< 10 U	--	< 1.5 UJ-	< 1.2 UJ-
Cross-Gradient	AA-BW-07A	49	N	10/23/07	< 0.61 U	< 0.73 U	< 0.27 U	--	< 1 U	< 1 U
Cross-Gradient	AA-BW-07A	49	FD	10/23/07	< 0.61 U	< 0.73 U	< 0.27 U	--	< 1 U	< 1 U
Cross-Gradient	AA-BW-07A	55a	N	01/21/09	< 3.2 U	< 3.2 U	< 3.2 U	< 2.9 U	< 0.19 U	< 0.19 U
Cross-Gradient	AA-BW-07A	55b	N	04/23/09	< 3.1 U	< 3.1 U	< 3.1 U	< 2.8 U	< 0.19 U	< 0.19 U
Up-Gradient	AA-BW-08A	30	N	04/15/05	520 J-	< 10 U	< 10 U	--	< 1.5 U	< 1.2 U
Up-Gradient	AA-BW-08A	49	N	10/25/07	1600 J	< 0.73 U	< 0.27 U	--	< 1 U	< 1 U
Up-Gradient	AA-BW-08A	55a	N	01/20/09	2790	< 32 U	< 32 U	< 29 U	< 2 U	< 2 U
Up-Gradient	AA-BW-08A	55b	N	04/28/09	2490	< 126 U	< 126 U	< 114 U	< 7.6 U	< 7.6 U
Up-Gradient	AA-BW-08A	55b	FD	04/28/09	2590	< 126 U	< 126 U	< 114 U	< 7.6 U	< 7.6 U
Up-Gradient	AA-BW-09A	30	N	04/16/05	< 10 U	< 10 U	< 10 U	--	< 2.4 U	< 2 U
Up-Gradient	AA-BW-09A	49	N	10/29/07	< 0.61 U	< 0.73 U	< 0.27 U	--	< 1 U	< 1 U
Up-Gradient	AA-BW-09A	55a	N	01/20/09	< 3.2 U	< 3.2 U	< 3.2 U	< 2.9 U	< 0.19 U	< 0.19 U
Up-Gradient	AA-BW-09A	55b	N	04/29/09	< 3 UJ	< 3 U	< 3 U	< 2.7 U	< 0.18 U	< 0.18 U
Up-Gradient	AA-MW-07	55a	N	01/22/09	< 31 U	< 31 U	< 31 U	< 29 U	< 1.9 U	< 1.9 U
Up-Gradient	EC-2	55a	N	01/22/09	264	< 31 U	< 31 U	< 29 U	< 1.9 U	< 1.9 U
Down-Gradient	H-21R	55a	N	01/23/09	36	< 3.1 U	< 3.1 U	< 2.9 U	< 0.19 U	< 0.19 U
Down-Gradient	H-28	55a	N	01/26/09	< 3.1 U	< 3.1 U	< 3.1 U	< 2.9 U	< 0.19 U	< 0.19 U
Down-Gradient	H-28	55b	N	04/22/09	< 3.2 U	< 3.2 U	< 3.2 U	< 2.9 U	< 0.19 U	< 0.19 U
Down-Gradient	H-43	55a	N	01/27/09	41.5	< 3.1 U	< 3.1 U	< 2.9 U	< 0.19 U	< 0.19 U
Down-Gradient	H-43	55b	N	04/21/09	33	< 3.2 U	< 3.2 U	< 2.9 U	< 0.19 U	< 0.19 U
Down-Gradient	M7B	55a	N	02/03/09	< 3.1 U	< 3.1 U	< 3.1 U	< 2.9 U	< 0.19 U	< 0.19 U
Down-Gradient	M7B	55b	N	04/23/09	< 3.1 U	< 3.1 U	< 3.1 U	< 2.8 U	< 0.19 U	< 0.19 U

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-- = no sample data.

TABLE 3-4
SEMI-VOLATILE ORGANIC COMPOUND (SVOC) RESULTS
1ST AND 2ND QUARTER 2009 GROUNDWATER MONITORING EVENTS
CAMU AREA, CLARK COUNTY, NEVADA
(Page 9 of 11)

Location	Well ID	DVSR	Sample Type	Sample Date	Hexachlorobenzene	Hexachlorobutadiene	Hexachlorocyclo-pentadiene	Hexachloroethane	Hydroxymethyl phthalimide	Isophorone
				Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
				MCL	1	--	50	--	--	--
				BCL	1	0.86	50	4.8	--	71
Cross-Gradient	AA-BW-01A	30	N	04/21/05	< 1.8 U	< 0.29 U	< 2.5 U	< 2.4 U	< 10 U	< 1.8 U
Cross-Gradient	AA-BW-01A	49	N	10/24/07	< 1 U	< 1 U	< 2.5 UJ	< 1 U	< 1.4 U	< 1 U
Cross-Gradient	AA-BW-01A	55a	N	01/19/09	< 1.9 U	< 1.9 U	< 1.9 U	< 1.9 U	< 3.2 UJ	< 1.9 U
Cross-Gradient	AA-BW-01A	55b	N	04/27/09	< 1.9 U	< 1.9 U	< 1.9 U	< 1.9 U	< 3.1 U	< 1.9 U
Cross-Gradient	AA-BW-02A	30	N	04/14/05	< 1.2 UJ-	< 0.91 UJ-	< 2.5 U	2.9 J-	< 10 U	< 1.1 U
Cross-Gradient	AA-BW-02A	30	FD	04/14/05	< 1.2 UJ-	< 0.91 UJ-	< 2.5 U	3.2 J-	< 10 U	< 1.1 U
Cross-Gradient	AA-BW-02A	49	N	10/29/07	< 1 U	< 1 U	< 2.5 UJ	< 1 U	< 1.4 U	< 1 U
Cross-Gradient	AA-BW-02A	55a	N	01/19/09	< 1.9 U	< 1.9 U	< 1.9 U	< 1.9 U	< 3.2 UJ	< 1.9 U
Cross-Gradient	AA-BW-02A	55a	FD	01/30/09	< 1.9 U	< 1.9 U	< 1.9 U	< 1.9 U	< 3.2 UJ	< 1.9 U
Cross-Gradient	AA-BW-02A	55b	N	04/27/09	< 1.6 U	< 1.6 U	< 1.6 U	< 1.6 U	< 2.6 U	< 1.6 U
Cross-Gradient	AA-BW-03A	30	N	04/13/05	< 1.2 U	< 0.91 U	< 2.5 U	< 0.8 U	< 10 U	< 1.1 U
Cross-Gradient	AA-BW-03A	49	N	10/26/07	< 1 U	< 1 U	< 2.5 UJ	< 1 U	< 1.4 U	< 1 U
Cross-Gradient	AA-BW-03A	55a	N	01/21/09	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 2.9 UJ	< 1.8 U
Cross-Gradient	AA-BW-03A	55b	N	04/28/09	< 1.9 U	< 1.9 U	< 1.9 U	< 1.9 U	< 3.1 U	< 1.9 U
Down-Gradient	AA-BW-04A	30	N	04/19/05	< 1.8 U	< 0.29 U	< 2.5 U	< 2.4 U	< 10 U	< 1.8 U
Down-Gradient	AA-BW-04A	49	N	10/23/07	< 1 U	< 1 U	< 2.5 UJ	< 1 U	< 1.4 U	< 1 U
Down-Gradient	AA-BW-04A	55a	N	01/26/09	< 1.9 U	< 1.9 U	< 1.9 UJ	< 1.9 U	< 3.1 U	< 1.9 U
Down-Gradient	AA-BW-04A	55a	FD	01/26/09	< 7.6 U	< 7.6 U	< 7.6 UJ	< 7.6 U	< 13 U	< 7.6 U
Down-Gradient	AA-BW-04A	55b	N	04/20/09	< 1.7 U	< 1.7 U	< 1.7 U	< 1.7 U	< 2.9 U	< 1.7 U
Down-Gradient	AA-BW-04A	55b	FD	04/20/09	< 2 U	< 2 U	< 2 U	< 2 U	< 3.2 U	< 2 U
Down-Gradient	AA-BW-05A	30	N	04/19/05	< 1.8 U	< 0.29 U	< 2.5 U	< 2.4 U	< 10 U	< 1.8 U
Down-Gradient	AA-BW-05A	49	N	10/23/07	< 1 U	< 1 U	< 2.5 UJ	< 1 U	< 1.4 U	< 1 U
Down-Gradient	AA-BW-05A	55a	N	01/23/09	< 2 U	< 2 U	< 2 U	< 2 U	< 3.3 U	< 2 U
Down-Gradient	AA-BW-05A	55b	N	04/21/09	< 1.9 U	< 1.9 U	< 1.9 U	< 1.9 U	< 3.2 U	< 1.9 U
Down-Gradient	AA-BW-06A	30	N	04/19/05	< 1.8 U	< 0.29 U	< 2.5 U	< 2.4 U	< 10 U	< 1.8 U
Down-Gradient	AA-BW-06A	49	N	10/23/07	< 1 U	< 1 U	< 2.5 UJ	< 1 U	< 1.4 U	< 1 U
Down-Gradient	AA-BW-06A	55a	N	01/27/09	< 1.9 U	< 1.9 U	< 1.9 U	< 1.9 U	< 3.1 U	< 1.9 U
Down-Gradient	AA-BW-06A	55b	N	04/22/09	< 1.9 U	< 1.9 U	< 1.9 U	< 1.9 U	< 3.2 U	< 1.9 U
Cross-Gradient	AA-BW-07A	30	N	04/12/05	< 1.2 UJ-	< 0.91 U	< 2.5 U	3.7 J-	< 10 U	< 1.1 U
Cross-Gradient	AA-BW-07A	30	FD	04/12/05	< 1.2 UJ-	< 0.91 U	< 2.5 U	3.3 J-	< 10 U	< 1.1 U
Cross-Gradient	AA-BW-07A	49	N	10/23/07	< 1 U	< 1 U	< 2.5 UJ	< 1 U	< 1.4 U	< 1 U
Cross-Gradient	AA-BW-07A	49	FD	10/23/07	< 1 U	< 1 U	< 2.5 UJ	< 1 U	< 1.4 U	< 1 U
Cross-Gradient	AA-BW-07A	55a	N	01/21/09	< 1.9 U	< 1.9 U	< 1.9 U	< 1.9 U	< 3.2 UJ	< 1.9 U
Cross-Gradient	AA-BW-07A	55b	N	04/23/09	< 1.9 U	< 1.9 U	< 1.9 U	< 1.9 U	< 3.1 U	< 1.9 U
Up-Gradient	AA-BW-08A	30	N	04/15/05	< 1.2 U	< 0.91 U	< 2.5 U	< 0.8 U	< 10 U	< 1.1 U
Up-Gradient	AA-BW-08A	49	N	10/25/07	< 1 U	< 1 U	< 2.5 UJ	< 1 U	< 1.4 U	< 1 U
Up-Gradient	AA-BW-08A	55a	N	01/20/09	< 20 U	< 20 U	< 20 U	< 20 U	< 32 UJ	< 20 U
Up-Gradient	AA-BW-08A	55b	N	04/28/09	< 76 U	< 76 U	< 76 U	< 76 U	< 126 U	< 76 U
Up-Gradient	AA-BW-08A	55b	FD	04/28/09	< 76 U	< 76 U	< 76 U	< 76 U	< 126 U	< 76 U
Up-Gradient	AA-BW-09A	30	N	04/16/05	< 1.8 U	< 0.29 U	< 2.5 U	< 2.4 U	< 10 U	< 1.8 U
Up-Gradient	AA-BW-09A	49	N	10/29/07	< 1 U	< 1 U	< 2.5 UJ	< 1 U	< 1.4 U	< 1 U
Up-Gradient	AA-BW-09A	55a	N	01/20/09	< 1.9 U	< 1.9 U	< 1.9 U	< 1.9 U	< 3.2 UJ	< 1.9 U
Up-Gradient	AA-BW-09A	55b	N	04/29/09	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 3 U	< 1.8 U
Up-Gradient	AA-MW-07	55a	N	01/22/09	< 19 U	< 19 U	< 19 U	< 19 U	< 31 U	< 19 U
Up-Gradient	EC-2	55a	N	01/22/09	< 19 U	< 19 U	< 19 U	< 19 U	< 31 U	< 19 U
Down-Gradient	H-21R	55a	N	01/23/09	< 1.9 U	< 1.9 U	< 1.9 U	< 1.9 U	< 3.1 U	< 1.9 U
Down-Gradient	H-28	55a	N	01/26/09	< 1.9 U	< 1.9 U	< 1.9 U	< 1.9 U	< 3.1 U	< 1.9 U
Down-Gradient	H-28	55b	N	04/22/09	< 1.9 U	< 1.9 U	< 1.9 U	< 1.9 U	< 3.2 U	< 1.9 U
Down-Gradient	H-43	55a	N	01/27/09	< 1.9 U	< 1.9 U	< 1.9 U	< 1.9 U	< 3.1 U	< 1.9 U
Down-Gradient	H-43	55b	N	04/21/09	< 1.9 U	< 1.9 U	< 1.9 U	< 1.9 U	< 3.2 U	< 1.9 U
Down-Gradient	M7B	55a	N	02/03/09	< 1.9 U	< 1.9 U	< 1.9 U	< 1.9 U	< 3.1 U	< 1.9 U
Down-Gradient	M7B	55b	N	04/23/09	< 1.9 U	< 1.9 U	< 1.9 U	< 1.9 U	< 3.1 U	< 1.9 U

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-- = no sample data.

TABLE 3-4
SEMI-VOLATILE ORGANIC COMPOUND (SVOC) RESULTS
1ST AND 2ND QUARTER 2009 GROUNDWATER MONITORING EVENTS
CAMU AREA, CLARK COUNTY, NEVADA
(Page 10 of 11)

Location	Well ID	DVSR	Sample Type	Sample Date	m,p-Cresols	Naphthalene	Nitrobenzene	N-nitrosodi-n-propyl-amine	o-Cresol	Octachlorostyrene
				Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
				MCL	--	--	--	--	--	--
				BCL	--	4.3	3.7	0.0096	1830	--
Cross-Gradient	AA-BW-01A	30	N	04/21/05	< 1.1 U	< 2 U	< 2 U	< 2 U	< 1.2 U	--
Cross-Gradient	AA-BW-01A	49	N	10/24/07	< 1.2 U	< 1 U	< 1 U	< 1 U	< 2 U	< 0.68 U
Cross-Gradient	AA-BW-01A	55a	N	01/19/09	< 2.9 U	< 0.29 U	< 2.9 U	< 1.9 U	< 1.9 U	< 3.2 U
Cross-Gradient	AA-BW-01A	55b	N	04/27/09	< 2.8 U	< 0.28 U	< 2.8 U	< 1.9 U	< 1.9 U	< 3.1 U
Cross-Gradient	AA-BW-02A	30	N	04/14/05	< 1.7 U	< 1.1 UJ-	< 0.86 U	< 2.4 U	2.3 J-	--
Cross-Gradient	AA-BW-02A	30	FD	04/14/05	< 1.7 U	< 1.1 UJ-	< 0.86 U	< 2.4 U	< 0.93 U	--
Cross-Gradient	AA-BW-02A	49	N	10/29/07	< 1.2 U	< 1 U	< 1 U	< 1 U	< 2 U	< 0.68 U
Cross-Gradient	AA-BW-02A	55a	N	01/19/09	< 2.9 U	< 0.29 U	< 2.9 U	< 1.9 U	< 1.9 U	< 3.2 U
Cross-Gradient	AA-BW-02A	55a	FD	01/30/09	< 2.9 U	< 0.29 U	< 2.9 U	< 1.9 U	< 1.9 U	< 3.2 U
Cross-Gradient	AA-BW-02A	55b	N	04/27/09	< 2.4 U	< 0.24 U	< 2.4 U	< 1.6 U	< 1.6 U	< 2.6 U
Cross-Gradient	AA-BW-03A	30	N	04/13/05	< 1.7 U	< 1.1 U	< 0.86 U	< 2.4 U	< 0.93 U	--
Cross-Gradient	AA-BW-03A	49	N	10/26/07	< 1.2 U	< 1 U	< 1 U	< 1 U	< 2 U	< 0.68 U
Cross-Gradient	AA-BW-03A	55a	N	01/21/09	< 2.7 U	< 0.27 U	< 2.7 U	< 1.8 U	< 1.8 U	< 2.9 U
Cross-Gradient	AA-BW-03A	55b	N	04/28/09	< 2.9 U	< 0.29 U	< 2.9 U	< 1.9 U	< 1.9 U	< 3.1 U
Down-Gradient	AA-BW-04A	30	N	04/19/05	< 1.1 U	< 2 U	< 2 U	< 2 U	< 1.2 U	--
Down-Gradient	AA-BW-04A	49	N	10/23/07	< 1.2 U	19 J-	< 1 U	< 1 U	< 2 U	< 0.68 U
Down-Gradient	AA-BW-04A	55a	N	01/26/09	< 2.9 U	1.8	< 2.9 U	< 1.9 U	< 1.9 U	< 3.1 U
Down-Gradient	AA-BW-04A	55a	FD	01/26/09	< 11 U	2.41 J	< 11 U	< 7.6 U	< 7.6 U	< 13 U
Down-Gradient	AA-BW-04A	55b	N	04/20/09	< 2.6 U	2.26	< 2.6 U	< 1.7 U	< 1.7 U	< 2.9 U
Down-Gradient	AA-BW-04A	55b	FD	04/20/09	< 2.9 U	2.5	< 2.9 U	< 2 U	< 2 U	< 3.2 U
Down-Gradient	AA-BW-05A	30	N	04/19/05	< 1.1 U	< 2 U	< 2 U	< 2 U	< 1.2 U	--
Down-Gradient	AA-BW-05A	49	N	10/23/07	< 1.2 U	3.5 J-	< 1 U	< 1 U	< 2 U	< 0.68 U
Down-Gradient	AA-BW-05A	55a	N	01/23/09	< 3 U	0.373 J	< 3 U	< 2 U	< 2 U	< 3.3 U
Down-Gradient	AA-BW-05A	55b	N	04/21/09	< 2.9 U	1.52	< 2.9 U	< 1.9 U	< 1.9 U	< 3.2 U
Down-Gradient	AA-BW-06A	30	N	04/19/05	< 1.1 U	< 2 U	< 2 U	< 2 U	< 1.2 U	--
Down-Gradient	AA-BW-06A	49	N	10/23/07	< 1.2 U	< 1 U	< 1 U	< 1 U	< 2 U	< 0.68 U
Down-Gradient	AA-BW-06A	55a	N	01/27/09	< 2.8 U	< 0.28 U	< 2.8 U	< 1.9 U	< 1.9 U	< 3.1 U
Down-Gradient	AA-BW-06A	55b	N	04/22/09	< 2.9 U	< 0.29 U	< 2.9 U	< 1.9 U	< 1.9 U	< 3.2 U
Cross-Gradient	AA-BW-07A	30	N	04/12/05	< 1.7 U	< 1.1 U	< 0.86 U	< 2.4 U	< 0.93 U	--
Cross-Gradient	AA-BW-07A	30	FD	04/12/05	< 1.7 U	< 1.1 U	< 0.86 U	< 2.4 U	< 0.93 U	--
Cross-Gradient	AA-BW-07A	49	N	10/23/07	< 1.2 UJ	< 1 U	< 1 U	< 1 U	< 2 UJ	< 0.68 U
Cross-Gradient	AA-BW-07A	49	FD	10/23/07	< 1.2 UJ	< 1 U	< 1 U	< 1 U	< 2 UJ	< 0.68 U
Cross-Gradient	AA-BW-07A	55a	N	01/21/09	< 2.9 U	< 0.29 U	< 2.9 U	< 1.9 U	< 1.9 U	< 3.2 U
Cross-Gradient	AA-BW-07A	55b	N	04/23/09	< 2.8 U	< 0.28 U	< 2.8 U	< 1.9 U	< 1.9 U	< 3.1 U
Up-Gradient	AA-BW-08A	30	N	04/15/05	< 1.7 U	< 1.1 U	< 0.86 U	< 2.4 U	< 0.93 U	--
Up-Gradient	AA-BW-08A	49	N	10/25/07	< 1.2 U	6 J	< 1 U	< 1 U	< 2 U	< 0.68 U
Up-Gradient	AA-BW-08A	55a	N	01/20/09	< 29 U	< 2.9 U	< 29 U	< 20 U	< 20 U	< 32 U
Up-Gradient	AA-BW-08A	55b	N	04/28/09	< 114 U	< 11 U	< 114 U	< 76 U	< 76 U	< 126 U
Up-Gradient	AA-BW-08A	55b	FD	04/28/09	< 114 U	< 11 U	< 114 U	< 76 U	< 76 U	< 126 U
Up-Gradient	AA-BW-09A	30	N	04/16/05	< 1.1 U	< 2 U	< 2 U	< 2 U	< 1.2 U	--
Up-Gradient	AA-BW-09A	49	N	10/29/07	< 1.2 U	< 1 U	< 1 U	< 1 U	< 2 U	< 0.68 U
Up-Gradient	AA-BW-09A	55a	N	01/20/09	< 2.9 U	< 0.29 U	< 2.9 U	< 1.9 U	< 1.9 U	< 3.2 U
Up-Gradient	AA-BW-09A	55b	N	04/29/09	< 2.7 U	< 0.27 U	< 2.7 U	< 1.8 U	< 1.8 U	< 3 U
Up-Gradient	AA-MW-07	55a	N	01/22/09	< 29 U	< 2.9 U	< 29 U	< 19 U	< 19 U	< 31 U
Up-Gradient	EC-2	55a	N	01/22/09	< 29 U	< 2.9 U	< 29 U	< 19 U	< 19 U	< 31 U
Down-Gradient	H-21R	55a	N	01/23/09	< 2.9 U	< 0.29 U	< 2.9 U	< 1.9 U	< 1.9 U	< 3.1 U
Down-Gradient	H-28	55a	N	01/26/09	< 2.9 U	0.3 J	< 2.9 U	< 1.9 U	< 1.9 U	< 3.1 U
Down-Gradient	H-28	55b	N	04/22/09	< 2.9 U	2.18	< 2.9 U	< 1.9 U	< 1.9 U	< 3.2 U
Down-Gradient	H-43	55a	N	01/27/09	< 2.9 U	< 0.29 U	< 2.9 U	< 1.9 U	< 1.9 U	< 3.1 U
Down-Gradient	H-43	55b	N	04/21/09	< 2.9 U	< 0.29 U	< 2.9 U	< 1.9 U	< 1.9 U	< 3.2 U
Down-Gradient	M7B	55a	N	02/03/09	< 2.9 U	< 0.29 U	< 2.9 U	< 1.9 U	< 1.9 U	< 3.1 U
Down-Gradient	M7B	55b	N	04/23/09	< 2.8 U	< 0.28 U	< 2.8 U	< 1.9 U	< 1.9 U	< 3.1 U

Note: This table includes all data, regardless of date. Because of this, the total number of analyses does not always coincide with the total number of analyses reported in Tables 3-2a,b,c, which include only 2009 data.
-- = no sample data.

TABLE 3-4
SEMI-VOLATILE ORGANIC COMPOUND (SVOC) RESULTS
1ST AND 2ND QUARTER 2009 GROUNDWATER MONITORING EVENTS
CAMU AREA, CLARK COUNTY, NEVADA
(Page 11 of 11)

Location	Well ID	DVSR	Sample Type	Sample Date	p-Chloroaniline	p-Chlorobenzenethiol	Pentachlorobenzene	Pentachlorophenol	Phenol	Pyridine
				Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
				MCL	--	--	--	1	--	--
				BCL	150	--	29	1	11000	37
Cross-Gradient	AA-BW-01A	30	N	04/21/05	< 1.8 U	< 10 U	< 0.3 U	< 1.4 U	< 0.52 U	< 1.7 U
Cross-Gradient	AA-BW-01A	49	N	10/24/07	< 1 U	< 2.6 U	< 2.7 U	< 2 U	< 4 U	< 5 U
Cross-Gradient	AA-BW-01A	55a	N	01/19/09	< 1.9 UJ	< 3.2 U	< 1.9 U	< 1.9 U	< 0.96 U	< 0.96 U
Cross-Gradient	AA-BW-01A	55b	N	04/27/09	< 1.9 U	< 3.1 U	< 1.9 U	< 1.9 U	1.73 J	< 0.94 U
Cross-Gradient	AA-BW-02A	30	N	04/14/05	< 1.3 U	< 10 U	< 0.3 U	< 3.8 U	< 0.52 U	< 1.7 U
Cross-Gradient	AA-BW-02A	30	FD	04/14/05	< 1.3 U	< 10 U	< 0.3 U	< 3.8 U	< 0.52 U	< 1.7 U
Cross-Gradient	AA-BW-02A	49	N	10/29/07	< 1 U	< 2.6 U	< 2.7 U	< 2 U	< 4 U	< 5 U
Cross-Gradient	AA-BW-02A	55a	N	01/19/09	< 1.9 UJ	< 3.2 U	< 1.9 U	< 1.9 U	< 0.96 U	< 0.96 U
Cross-Gradient	AA-BW-02A	55a	FD	01/30/09	< 1.9 UJ	< 3.2 U	< 1.9 U	< 1.9 U	< 0.96 U	< 0.96 U
Cross-Gradient	AA-BW-02A	55b	N	04/27/09	< 1.6 U	< 2.6 U	< 1.6 U	< 1.6 U	< 0.79 U	< 0.79 U
Cross-Gradient	AA-BW-03A	30	N	04/13/05	< 1.3 U	< 10 U	< 0.3 U	< 3.8 U	< 0.52 U	< 1.7 U
Cross-Gradient	AA-BW-03A	49	N	10/26/07	< 1 U	< 2.6 U	< 2.7 U	< 2 U	< 4 U	< 5 U
Cross-Gradient	AA-BW-03A	55a	N	01/21/09	< 1.8 UJ	< 2.9 U	< 1.8 U	< 1.8 U	< 0.88 U	< 0.88 U
Cross-Gradient	AA-BW-03A	55b	N	04/28/09	< 1.9 U	< 3.1 U	< 1.9 U	< 1.9 U	< 0.95 U	< 0.95 U
Down-Gradient	AA-BW-04A	30	N	04/19/05	< 1.8 U	< 10 U	< 0.3 U	< 1.4 U	18	< 1.7 U
Down-Gradient	AA-BW-04A	49	N	10/23/07	< 1 U	< 2.6 U	< 2.7 U	6.6 J-	13	< 5 U
Down-Gradient	AA-BW-04A	55a	N	01/26/09	< 1.9 U	6.76 J	< 1.9 U	15.4	2.67 J	< 0.95 U
Down-Gradient	AA-BW-04A	55a	FD	01/26/09	< 7.6 U	21.1 J	< 7.6 U	33.2 J	4.08 J	< 3.8 U
Down-Gradient	AA-BW-04A	55b	N	04/20/09	< 1.7 U	7.12 J	< 1.7 U	11.5	3.22 J	< 0.87 U
Down-Gradient	AA-BW-04A	55b	FD	04/20/09	< 2 U	7.61 J	< 2 U	12.9	3.95 J	< 0.98 U
Down-Gradient	AA-BW-05A	30	N	04/19/05	< 1.8 U	< 10 U	< 0.3 U	< 1.4 U	1000 J-	< 1.7 U
Down-Gradient	AA-BW-05A	49	N	10/23/07	< 1 U	11	< 2.7 U	< 2 U	< 4 U	< 5 U
Down-Gradient	AA-BW-05A	55a	N	01/23/09	< 2 U	14.8	< 2 U	< 2 U	< 1 U	< 1 U
Down-Gradient	AA-BW-05A	55b	N	04/21/09	< 1.9 U	15.2	< 1.9 U	< 1.9 U	< 0.97 U	< 0.97 U
Down-Gradient	AA-BW-06A	30	N	04/19/05	< 1.8 U	< 10 U	< 0.3 U	< 1.4 U	< 0.52 U	< 1.7 U
Down-Gradient	AA-BW-06A	49	N	10/23/07	< 1 U	< 2.6 U	< 2.7 U	< 2 U	< 4 U	< 5 U
Down-Gradient	AA-BW-06A	55a	N	01/27/09	< 1.9 U	19.1	< 1.9 U	< 1.9 U	< 0.94 U	< 0.94 U
Down-Gradient	AA-BW-06A	55b	N	04/22/09	< 1.9 U	46.5	< 1.9 U	< 1.9 U	< 0.96 U	< 0.96 U
Cross-Gradient	AA-BW-07A	30	N	04/12/05	< 1.3 U	< 10 U	< 0.3 U	< 3.8 U	< 0.52 U	< 1.7 U
Cross-Gradient	AA-BW-07A	30	FD	04/12/05	< 1.3 U	< 10 U	< 0.3 U	< 3.8 U	< 0.52 U	< 1.7 U
Cross-Gradient	AA-BW-07A	49	N	10/23/07	< 1 U	< 2.6 UJ	< 2.7 U	< 2 UJ	< 4 UJ	< 5 U
Cross-Gradient	AA-BW-07A	49	FD	10/23/07	< 1 U	< 2.6 UJ	< 2.7 U	< 2 UJ	< 4 UJ	< 5 U
Cross-Gradient	AA-BW-07A	55a	N	01/21/09	< 1.9 UJ	< 3.2 U	< 1.9 U	< 1.9 U	< 0.96 U	< 0.96 U
Cross-Gradient	AA-BW-07A	55b	N	04/23/09	< 1.9 U	< 3.1 U	< 1.9 U	< 1.9 U	< 0.94 U	< 0.94 U
Up-Gradient	AA-BW-08A	30	N	04/15/05	< 1.3 U	< 10 U	< 0.3 U	< 3.8 U	6.3 J	< 1.7 U
Up-Gradient	AA-BW-08A	49	N	10/25/07	< 1 U	< 2.6 U	< 2.7 U	< 2 U	< 4 U	< 5 U
Up-Gradient	AA-BW-08A	55a	N	01/20/09	< 20 UJ	120	< 20 U	< 20 U	< 9.8 U	< 9.8 U
Up-Gradient	AA-BW-08A	55b	N	04/28/09	< 76 U	420	< 76 U	< 76 U	< 38 U	< 38 U
Up-Gradient	AA-BW-08A	55b	FD	04/28/09	< 76 U	279 J	< 76 U	< 76 U	< 38 U	< 38 U
Up-Gradient	AA-BW-09A	30	N	04/16/05	< 1.8 U	< 10 U	< 0.3 U	< 1.4 U	15	< 1.7 U
Up-Gradient	AA-BW-09A	49	N	10/29/07	< 1 U	< 2.6 U	< 2.7 U	< 2 U	< 4 U	< 5 U
Up-Gradient	AA-BW-09A	55a	N	01/20/09	< 1.9 UJ	< 3.2 U	< 1.9 U	8.6 J	< 0.97 U	< 0.97 U
Up-Gradient	AA-BW-09A	55b	N	04/29/09	< 1.8 U	< 3 U	< 1.8 U	< 1.8 U	< 0.89 U	< 0.89 U
Up-Gradient	AA-MW-07	55a	N	01/22/09	< 19 UJ	< 31 U	< 19 U	< 19 U	< 9.5 U	< 9.5 U
Up-Gradient	EC-2	55a	N	01/22/09	< 19 UJ	684	< 19 U	< 19 U	38.3 J	< 9.5 U
Down-Gradient	H-21R	55a	N	01/23/09	< 1.9 U	141	< 1.9 U	< 1.9 U	1.9 J	< 0.95 U
Down-Gradient	H-28	55a	N	01/26/09	< 1.9 U	< 3.1 U	< 1.9 U	< 1.9 U	< 0.95 U	< 0.95 U
Down-Gradient	H-28	55b	N	04/22/09	< 1.9 U	< 3.2 U	< 1.9 U	< 1.9 U	< 0.97 U	< 0.97 U
Down-Gradient	H-43	55a	N	01/27/09	< 1.9 U	17.2	< 1.9 U	< 1.9 U	< 0.95 U	< 0.95 U
Down-Gradient	H-43	55b	N	04/21/09	< 1.9 U	71.9	< 1.9 U	< 1.9 U	< 0.97 U	< 0.97 U
Down-Gradient	M7B	55a	N	02/03/09	< 1.9 U	< 3.1 U	3.29 J	< 1.9 U	< 0.95 U	< 0.95 U
Down-Gradient	M7B	55b	N	04/23/09	< 1.9 U	< 3.1 U	< 1.9 U	< 1.9 U	< 0.94 U	< 0.94 U

Note: This table includes all data, regardless of date. Because of this, the total number of analyses does not always coincide with the total number of analyses reported in Tables 3-2a,b,c, which include only 2009 data.
-- = no sample data.

TABLE 3-5
POLYNUCLEAR AROMATIC HYDROCARBON (PAH) RESULTS
1ST AND 2ND QUARTER 2009 GROUNDWATER MONITORING EVENTS
CAMU AREA, CLARK COUNTY, NEVADA
(Page 1 of 2)

Location	Well ID	DVSR	Sample Type	Sample Date	Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene
				Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
				MCL	--	--	--	--	0.2	--	--
				BCL	2190	1100	11000	0.092	0.2	0.092	1100
Cross-Gradient	AA-BW-01A	30	N	04/21/05	< 1.2 UJ-	< 2.2 UJ-	< 0.1 UJ-	< 0.13 UJ-	< 0.15 UJ-	< 0.37 UJ-	< 0.53 UJ-
Cross-Gradient	AA-BW-01A	49	N	10/24/07	< 1 U	< 1 U	< 1.1 U	< 1 U	< 1 U	< 1 U	< 1 U
Cross-Gradient	AA-BW-01A	55a	N	01/19/09	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U
Cross-Gradient	AA-BW-01A	55b	N	04/27/09	< 0.047 U	< 0.047 U	< 0.047 U	< 0.047 U	< 0.047 U	< 0.047 U	< 0.047 U
Cross-Gradient	AA-BW-02A	30	N	04/14/05	< 1.2 U	< 2.2 U	< 0.1 U	< 0.13 U	< 0.15 U	< 0.37 UJ	< 0.53 UJ
Cross-Gradient	AA-BW-02A	30	FD	04/14/05	< 1.2 U	< 2.2 U	< 0.1 U	< 0.13 U	< 0.15 U	< 0.37 UJ	< 0.53 UJ
Cross-Gradient	AA-BW-02A	49	N	10/29/07	< 1 U	< 1 U	< 1.1 U	< 1 U	< 1 U	< 1 U	< 1 U
Cross-Gradient	AA-BW-02A	55a	N	01/19/09	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U
Cross-Gradient	AA-BW-02A	55a	FD	01/30/09	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U
Cross-Gradient	AA-BW-02A	55b	N	04/27/09	< 0.04 U	< 0.04 U	< 0.04 U	< 0.04 U	< 0.04 U	< 0.04 U	< 0.04 U
Cross-Gradient	AA-BW-03A	30	N	04/13/05	< 1.2 U	< 2.2 U	< 0.1 U	< 0.13 U	< 0.15 U	< 0.37 U	< 0.53 U
Cross-Gradient	AA-BW-03A	49	N	10/26/07	< 1 U	< 1 U	< 1.1 U	< 1 U	< 1 U	< 1 U	< 1 U
Cross-Gradient	AA-BW-03A	55a	N	01/21/09	< 0.049 U	< 0.049 U	< 0.049 U	< 0.049 U	< 0.049 U	< 0.049 U	< 0.049 U
Cross-Gradient	AA-BW-03A	55b	N	04/28/09	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U
Down-Gradient	AA-BW-04A	30	N	04/19/05	< 1.2 UJ-	< 2.2 UJ-	< 0.1 UJ-	< 0.13 UJ-	< 0.15 UJ-	< 0.37 UJ-	< 0.53 UJ-
Down-Gradient	AA-BW-04A	49	N	10/23/07	< 1 U	< 1 U	< 1.1 U	< 1 U	< 1 U	< 1 U	< 1 U
Down-Gradient	AA-BW-04A	55a	N	01/26/09	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U
Down-Gradient	AA-BW-04A	55a	FD	01/26/09	< 0.047 UJ	< 0.047 UJ	< 0.047 UJ	< 0.047 UJ	< 0.047 UJ	< 0.047 UJ	< 0.047 UJ
Down-Gradient	AA-BW-04A	55b	N	04/20/09	< 0.044 U	< 0.044 U	< 0.044 U	< 0.044 U	< 0.044 U	< 0.044 U	< 0.044 U
Down-Gradient	AA-BW-04A	55b	FD	04/20/09	< 0.049 U	< 0.049 U	< 0.049 U	< 0.049 U	< 0.049 U	< 0.049 U	< 0.049 U
Down-Gradient	AA-BW-05A	30	N	04/19/05	< 1.2 UJ-	< 2.2 UJ-	< 0.1 UJ-	< 0.13 UJ-	< 0.15 UJ-	< 0.37 UJ-	< 0.53 UJ-
Down-Gradient	AA-BW-05A	49	N	10/23/07	< 1 U	< 1 U	< 1.1 U	< 1 U	< 1 U	< 1 U	< 1 U
Down-Gradient	AA-BW-05A	55a	N	01/23/09	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U
Down-Gradient	AA-BW-05A	55b	N	04/21/09	0.0543 J	< 0.049 U	< 0.049 U	< 0.049 U	< 0.049 U	< 0.049 U	< 0.049 U
Down-Gradient	AA-BW-06A	30	N	04/19/05	< 1.2 UJ-	< 2.2 UJ-	< 0.1 UJ-	< 0.13 UJ-	< 0.15 UJ-	< 0.37 UJ-	< 0.53 UJ-
Down-Gradient	AA-BW-06A	49	N	10/23/07	< 1 U	< 1 U	< 1.1 U	< 1 U	< 1 U	< 1 U	< 1 U
Down-Gradient	AA-BW-06A	55a	N	01/27/09	< 0.047 U	< 0.047 U	< 0.047 U	< 0.047 U	< 0.047 U	< 0.047 U	< 0.047 U
Down-Gradient	AA-BW-06A	55b	N	04/22/09	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U
Cross-Gradient	AA-BW-07A	30	N	04/12/05	< 1.2 U	< 2.2 U	< 0.1 U	< 0.13 U	< 0.15 U	< 0.37 U	< 0.53 U
Cross-Gradient	AA-BW-07A	30	FD	04/12/05	< 1.2 U	< 2.2 U	< 0.1 U	< 0.13 U	< 0.15 U	< 0.37 U	< 0.53 U
Cross-Gradient	AA-BW-07A	49	N	10/23/07	< 1 U	< 1 U	< 1.1 U	< 1 U	< 1 U	< 1 U	< 1 U
Cross-Gradient	AA-BW-07A	49	FD	10/23/07	< 1 U	< 1 U	< 1.1 U	< 1 U	< 1 U	< 1 U	< 1 U
Cross-Gradient	AA-BW-07A	55a	N	01/21/09	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U
Cross-Gradient	AA-BW-07A	55b	N	04/23/09	< 0.047 U	< 0.047 U	< 0.047 U	< 0.047 U	< 0.047 U	< 0.047 U	< 0.047 U
Up-Gradient	AA-BW-08A	30	N	04/15/05	< 1.2 U	< 2.2 U	< 0.1 U	< 0.13 U	< 0.15 U	< 0.37 UJ	< 0.53 UJ
Up-Gradient	AA-BW-08A	49	N	10/25/07	< 1 U	< 1 U	< 1.1 U	< 1 U	< 1 U	< 1 U	< 1 U
Up-Gradient	AA-BW-08A	55a	N	01/20/09	0.174 J	< 0.049 U	< 0.049 U	< 0.049 U	< 0.049 U	< 0.049 U	< 0.049 U
Up-Gradient	AA-BW-08A	55b	N	04/28/09	0.25	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U
Up-Gradient	AA-BW-08A	55b	FD	04/28/09	0.237	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U
Up-Gradient	AA-BW-09A	30	N	04/16/05	< 1.2 U	< 2.2 U	< 0.1 U	< 0.13 U	< 0.15 U	< 0.37 U	< 0.53 U
Up-Gradient	AA-BW-09A	49	N	10/29/07	< 1 U	< 1 U	< 1.1 U	< 1 U	< 1 U	< 1 U	< 1 U
Up-Gradient	AA-BW-09A	55a	N	01/20/09	< 0.049 U	< 0.049 U	< 0.049 U	< 0.049 U	< 0.049 U	< 0.049 U	< 0.049 U
Up-Gradient	AA-BW-09A	55b	N	04/29/09	< 0.045 U	< 0.045 U	< 0.045 U	< 0.044 U	< 0.045 U	< 0.045 U	< 0.045 U
Up-Gradient	AA-MW-07	55a	N	01/22/09	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U
Up-Gradient	EC-2	55a	N	01/22/09	0.336	< 0.048 U	0.0968 J	< 0.048 U	0.0759 J	0.0727 J	0.0699 J
Down-Gradient	H-21R	55a	N	01/23/09	0.0512 J	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U
Down-Gradient	H-28	55a	N	01/26/09	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U
Down-Gradient	H-28	55b	N	04/22/09	< 0.049 U	< 0.049 U	< 0.049 U	< 0.049 U	< 0.049 U	< 0.049 U	< 0.049 U
Down-Gradient	H-43	55a	N	01/27/09	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U
Down-Gradient	H-43	55b	N	04/21/09	< 0.049 U	< 0.049 U	< 0.049 U	< 0.049 U	< 0.049 U	< 0.049 U	< 0.049 U
Down-Gradient	M7B	55a	N	02/03/09	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U
Down-Gradient	M7B	55b	N	04/23/09	< 0.047 U	< 0.047 U	< 0.047 U	< 0.047 U	< 0.047 U	< 0.047 U	< 0.047 U

Note: This table includes all data, regardless of date. Because of this, the total number of analyses does not always coincide with the total number of analyses reported in Tables 3-2a,b,c, which include only 2009 data.
-- = no sample data.

TABLE 3-5
POLYNUCLEAR AROMATIC HYDROCARBON (PAH) RESULTS
1ST AND 2ND QUARTER 2009 GROUNDWATER MONITORING EVENTS
CAMU AREA, CLARK COUNTY, NEVADA
(Page 2 of 2)

Location	Well ID	DVSR	Sample Type	Sample Date	Benzo(k)fluoranthene	Chrysene	Dibenzo(a,h)anthracene	Indeno(1,2,3-cd)pyrene	Phenanthrene	Pyrene
				Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
				MCL	--	--	--	--	--	--
				BCL	0.92	9.2	0.0092	0.092	1100	1100
Cross-Gradient	AA-BW-01A	30	N	04/21/05	< 0.12 UJ-	< 0.16 UJ-	< 0.32 UJ-	< 0.61 UJ-	< 0.18 UJ-	< 0.34 UJ-
Cross-Gradient	AA-BW-01A	49	N	10/24/07	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Cross-Gradient	AA-BW-01A	55a	N	01/19/09	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U
Cross-Gradient	AA-BW-01A	55b	N	04/27/09	< 0.047 U	< 0.047 U	< 0.047 U	< 0.047 U	< 0.047 U	< 0.047 U
Cross-Gradient	AA-BW-02A	30	N	04/14/05	< 0.12 U	< 0.16 U	< 0.32 UJ	< 0.61 U	< 0.18 U	< 0.34 U
Cross-Gradient	AA-BW-02A	30	FD	04/14/05	< 0.12 U	< 0.16 U	< 0.32 UJ	< 0.61 U	< 0.18 U	< 0.34 U
Cross-Gradient	AA-BW-02A	49	N	10/29/07	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Cross-Gradient	AA-BW-02A	55a	N	01/19/09	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U
Cross-Gradient	AA-BW-02A	55a	FD	01/30/09	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U
Cross-Gradient	AA-BW-02A	55b	N	04/27/09	< 0.04 U	< 0.04 U	< 0.04 U	< 0.04 U	< 0.04 U	< 0.04 U
Cross-Gradient	AA-BW-03A	30	N	04/13/05	< 0.12 U	< 0.16 U	< 0.32 U	< 0.61 U	< 0.18 U	< 0.34 U
Cross-Gradient	AA-BW-03A	49	N	10/26/07	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Cross-Gradient	AA-BW-03A	55a	N	01/21/09	< 0.049 U	< 0.049 U	< 0.049 U	< 0.049 U	< 0.049 U	< 0.049 U
Cross-Gradient	AA-BW-03A	55b	N	04/28/09	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U
Down-Gradient	AA-BW-04A	30	N	04/19/05	< 0.12 UJ-	< 0.16 UJ-	< 0.32 UJ-	< 0.61 UJ-	< 0.18 UJ-	< 0.34 UJ-
Down-Gradient	AA-BW-04A	49	N	10/23/07	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Down-Gradient	AA-BW-04A	55a	N	01/26/09	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U
Down-Gradient	AA-BW-04A	55a	FD	01/26/09	< 0.047 UJ	< 0.047 UJ	< 0.047 UJ	< 0.047 UJ	< 0.047 UJ	< 0.047 UJ
Down-Gradient	AA-BW-04A	55b	N	04/20/09	< 0.044 U	< 0.044 U	< 0.044 U	< 0.044 U	< 0.044 U	< 0.044 U
Down-Gradient	AA-BW-04A	55b	FD	04/20/09	< 0.049 U	< 0.049 U	< 0.049 U	< 0.049 U	< 0.049 U	< 0.049 U
Down-Gradient	AA-BW-05A	30	N	04/19/05	< 0.12 UJ-	< 0.16 UJ-	< 0.32 UJ-	< 0.61 UJ-	< 0.18 UJ-	< 0.34 UJ-
Down-Gradient	AA-BW-05A	49	N	10/23/07	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Down-Gradient	AA-BW-05A	55a	N	01/23/09	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U
Down-Gradient	AA-BW-05A	55b	N	04/21/09	< 0.049 U	< 0.049 U	< 0.049 U	< 0.049 U	< 0.049 U	< 0.049 U
Down-Gradient	AA-BW-06A	30	N	04/19/05	< 0.12 UJ-	< 0.16 UJ-	< 0.32 UJ-	< 0.61 UJ-	< 0.18 UJ-	< 0.34 UJ-
Down-Gradient	AA-BW-06A	49	N	10/23/07	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Down-Gradient	AA-BW-06A	55a	N	01/27/09	< 0.047 U	< 0.047 U	< 0.047 U	< 0.047 U	< 0.047 U	< 0.047 U
Down-Gradient	AA-BW-06A	55b	N	04/22/09	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U
Cross-Gradient	AA-BW-07A	30	N	04/12/05	< 0.12 U	< 0.16 U	< 0.32 U	< 0.61 U	< 0.18 U	< 0.34 U
Cross-Gradient	AA-BW-07A	30	FD	04/12/05	< 0.12 U	< 0.16 U	< 0.32 U	< 0.61 U	< 0.18 U	< 0.34 U
Cross-Gradient	AA-BW-07A	49	N	10/23/07	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Cross-Gradient	AA-BW-07A	49	FD	10/23/07	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Cross-Gradient	AA-BW-07A	55a	N	01/21/09	< 0.048 U	< 0.049 U	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U
Cross-Gradient	AA-BW-07A	55b	N	04/23/09	< 0.047 U	< 0.047 U	< 0.047 U	< 0.047 U	< 0.047 U	< 0.047 U
Up-Gradient	AA-BW-08A	30	N	04/15/05	< 0.12 U	< 0.16 U	< 0.32 UJ	< 0.61 U	< 0.18 U	< 0.34 U
Up-Gradient	AA-BW-08A	49	N	10/25/07	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Up-Gradient	AA-BW-08A	55a	N	01/20/09	< 0.049 U	< 0.049 U	< 0.049 U	< 0.049 U	< 0.049 U	< 0.049 U
Up-Gradient	AA-BW-08A	55b	N	04/28/09	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U
Up-Gradient	AA-BW-08A	55b	FD	04/28/09	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U
Up-Gradient	AA-BW-09A	30	N	04/16/05	< 0.12 U	< 0.16 U	< 0.32 U	< 0.61 U	< 0.18 U	< 0.34 U
Up-Gradient	AA-BW-09A	49	N	10/29/07	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Up-Gradient	AA-BW-09A	55a	N	01/20/09	< 0.049 U	< 0.049 U	< 0.049 U	< 0.049 U	< 0.049 U	< 0.049 U
Up-Gradient	AA-BW-09A	55b	N	04/29/09	< 0.045 U	< 0.045 U	< 0.045 U	< 0.045 U	< 0.045 U	< 0.045 U
Up-Gradient	AA-MW-07	55a	N	01/22/09	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U
Up-Gradient	EC-2	55a	N	01/22/09	0.0764 J	< 0.048 U	0.0899 J	0.0633 J	0.267	0.0914 J
Down-Gradient	H-21R	55a	N	01/23/09	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U
Down-Gradient	H-28	55a	N	01/26/09	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U
Down-Gradient	H-28	55b	N	04/22/09	< 0.049 U	< 0.049 U	< 0.049 U	< 0.049 U	< 0.049 U	< 0.049 U
Down-Gradient	H-43	55a	N	01/27/09	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U
Down-Gradient	H-43	55b	N	04/21/09	< 0.049 U	< 0.049 U	< 0.049 U	< 0.049 U	< 0.049 U	< 0.049 U
Down-Gradient	M7B	55a	N	02/03/09	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U	< 0.048 U
Down-Gradient	M7B	55b	N	04/23/09	< 0.047 U	< 0.047 U	< 0.047 U	< 0.047 U	< 0.047 U	< 0.047 U

Note: This table includes all data, regardless of date. Because of this, the total number of analyses does not always coincide with the total number of analyses reported in Tables 3-2a,b,c, which include only 2009 data.
-- = no sample data.

TABLE 3-6
ORGANOCHLORINE PESTICIDE RESULTS
1ST AND 2ND QUARTER 2009 GROUNDWATER MONITORING EVENTS
CAMU AREA, CLARK COUNTY, NEVADA
(Page 1 of 3)

Location	Well ID	DVSR	Sample Type	Sample Date	2,4-DDD	2,4-DDE	4,4-DDD	4,4-DDE	4,4-DDT	Aldrin	alpha-BHC	alpha-Chlordane
				Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
				MCL	--	--	--	--	--	--	--	--
				BCL	--	--	0.28	0.2	0.2	0.004	0.011	--
Cross-Gradient	AA-BW-01A	30	N	04/21/05	--	< 0.05 U	< 0.006 U	< 0.006 U	< 0.014 U	< 0.01 U	34 J-	< 0.007 U
Cross-Gradient	AA-BW-01A	49	N	10/24/07	R	0.058 J	R	R	R	R	R	R
Cross-Gradient	AA-BW-01A	55a	N	01/19/09	< 0.011 U	0.055 J	< 0.0038 U	< 0.0027 U	< 0.0056 U	< 0.004 U	56	< 0.003 U
Cross-Gradient	AA-BW-01A	55b	N	04/27/09	< 0.011 U	< 0.009 U	< 0.0038 U	< 0.0027 U	< 0.0056 U	< 0.004 U	58	< 0.003 U
Cross-Gradient	AA-BW-02A	30	N	04/14/05	--	< 0.05 UJ-	< 0.017 UJ-	< 0.0074 UJ-	< 0.028 UJ-	< 0.011 UJ-	2.5 J-	< 0.02 UJ-
Cross-Gradient	AA-BW-02A	30	FD	04/14/05	--	< 0.05 UJ-	< 0.017 UJ-	< 0.0074 UJ-	< 0.028 UJ-	< 0.011 UJ-	2.5 J-	< 0.02 UJ-
Cross-Gradient	AA-BW-02A	49	N	10/29/07	< 0.0071 U	< 0.012 U	< 0.0075 U	< 0.013 U	< 0.013 U	< 0.0044 U	1.8	< 0.0057 U
Cross-Gradient	AA-BW-02A	55a	N	01/19/09	< 0.011 U	< 0.009 U	< 0.0038 U	< 0.0027 U	< 0.0056 U	< 0.004 U	1.4	< 0.003 U
Cross-Gradient	AA-BW-02A	55a	FD	01/30/09	< 0.011 U	< 0.009 U	< 0.0038 U	< 0.0027 U	< 0.0056 U	< 0.004 U	1.4	< 0.003 U
Cross-Gradient	AA-BW-02A	55b	N	04/27/09	< 0.011 U	< 0.009 U	< 0.0038 U	< 0.0027 U	< 0.0056 U	< 0.004 U	1.5	< 0.003 U
Cross-Gradient	AA-BW-03A	30	N	04/13/05	--	< 0.05 U	< 0.017 U	< 0.0074 U	< 0.028 U	< 0.011 U	1.9 J-	< 0.02 U
Cross-Gradient	AA-BW-03A	49	N	10/26/07	< 0.0071 U	< 0.012 U	< 0.0075 U	< 0.013 U	< 0.013 U	< 0.0044 U	0.4	< 0.0057 U
Cross-Gradient	AA-BW-03A	55a	N	01/21/09	< 0.011 U	< 0.009 U	< 0.0038 U	< 0.0027 U	< 0.0056 U	< 0.004 U	0.35	< 0.003 U
Cross-Gradient	AA-BW-03A	55b	N	04/28/09	< 0.011 U	< 0.009 U	< 0.0038 U	< 0.0027 U	< 0.0056 U	< 0.004 U	0.45	< 0.003 U
Down-Gradient	AA-BW-04A	30	N	04/19/05	--	0.5 J-	< 0.017 UJ-	< 0.0074 UJ-	< 0.028 UJ-	< 0.011 UJ-	130 J-	< 0.02 UJ-
Down-Gradient	AA-BW-04A	49	N	10/23/07	< 0.0071 U	0.36 J	< 0.0075 U	< 0.013 U	< 0.013 U	< 0.0044 U	180	< 0.0057 U
Down-Gradient	AA-BW-04A	55a	N	01/26/09	0.08	0.59	< 0.0038 U	< 0.0027 U	< 0.0056 U	< 0.004 U	200	0.28
Down-Gradient	AA-BW-04A	55a	FD	01/26/09	< 0.011 U	0.28	< 0.0038 U	< 0.0027 U	< 0.0056 U	< 0.004 U	170	< 0.003 U
Down-Gradient	AA-BW-04A	55b	N	04/20/09	0.17 J+	0.85 J	< 0.0038 U	< 0.0027 U	< 0.0056 U	< 0.004 U	130	< 0.003 U
Down-Gradient	AA-BW-04A	55b	FD	04/20/09	0.19 J+	0.88 J	< 0.0038 U	< 0.0027 U	< 0.0056 U	< 0.004 U	140	< 0.003 U
Down-Gradient	AA-BW-05A	30	N	04/19/05	--	1.2	< 0.017 U	< 0.0074 U	< 0.028 U	< 0.011 U	79 J-	< 0.02 U
Down-Gradient	AA-BW-05A	49	N	10/23/07	0.17 J	0.34 J	< 0.0075 U	< 0.013 U	< 0.013 U	< 0.0044 U	21	0.098 J
Down-Gradient	AA-BW-05A	55a	N	01/23/09	0.18 J	0.6 J	< 0.0038 U	< 0.0027 U	< 0.0056 U	< 0.004 U	12	< 0.003 U
Down-Gradient	AA-BW-05A	55b	N	04/21/09	0.31 J	0.46 J	< 0.0038 U	< 0.0027 U	< 0.0056 U	< 0.004 U	8.9	< 0.003 U
Down-Gradient	AA-BW-06A	30	N	04/19/05	--	< 0.05 U	< 0.017 U	< 0.0074 U	< 0.028 U	< 0.011 U	6.5 J-	< 0.02 U
Down-Gradient	AA-BW-06A	49	N	10/23/07	0.23 J	< 0.012 U	< 0.0075 U	< 0.013 U	< 0.013 U	< 0.0044 U	4.1	< 0.0057 U
Down-Gradient	AA-BW-06A	55a	N	01/27/09	< 0.011 U	< 0.009 U	< 0.0038 U	< 0.0027 U	< 0.0056 U	< 0.004 U	4.6	< 0.003 U
Down-Gradient	AA-BW-06A	55b	N	04/22/09	0.21 J	< 0.009 U	< 0.0038 U	< 0.0027 U	< 0.0056 U	< 0.004 U	5.1	< 0.003 U
Cross-Gradient	AA-BW-07A	30	N	04/12/05	--	< 0.05 U	< 0.017 U	< 0.0074 U	< 0.028 U	< 0.011 U	7.9 J-	< 0.02 U
Cross-Gradient	AA-BW-07A	30	FD	04/12/05	--	< 0.05 U	< 0.017 U	< 0.0074 U	< 0.028 U	< 0.011 U	8.1 J-	< 0.02 U
Cross-Gradient	AA-BW-07A	49	N	10/23/07	< 0.0071 U	< 0.012 U	< 0.0075 U	< 0.013 U	< 0.013 U	< 0.0044 U	5	< 0.0057 U
Cross-Gradient	AA-BW-07A	49	FD	10/23/07	< 0.0071 U	< 0.012 U	< 0.0075 U	< 0.013 U	< 0.013 U	< 0.0044 U	4.3	< 0.0057 U
Cross-Gradient	AA-BW-07A	55a	N	01/21/09	< 0.011 U	< 0.009 U	< 0.0038 U	< 0.0027 U	< 0.0056 U	< 0.004 U	6	< 0.003 U
Cross-Gradient	AA-BW-07A	55b	N	04/23/09	< 0.011 U	< 0.009 U	< 0.0038 U	< 0.0027 U	< 0.0056 U	< 0.004 U	6.2	< 0.003 U
Up-Gradient	AA-BW-08A	30	N	04/15/05	--	0.86 J-	0.18 J-	< 0.0074 UJ-	< 0.028 UJ-	< 0.011 UJ-	370 J-	0.19 J-
Up-Gradient	AA-BW-08A	49	N	10/25/07	0.96 J	0.34 J	< 0.0075 U	< 0.013 U	< 0.013 U	< 0.0044 U	320	< 0.0057 U
Up-Gradient	AA-BW-08A	55a	N	01/20/09	< 0.011 U	0.8 J+	< 0.0038 U	< 0.0027 U	< 0.0056 U	< 0.004 U	390	< 0.003 U
Up-Gradient	AA-BW-08A	55b	N	04/28/09	< 0.011 UJ	0.5 J	< 0.0038 UJ	0.3 J	< 0.0056 UJ	< 0.004 UJ	--	0.53 J
Up-Gradient	AA-BW-08A	55b	FD	04/28/09	< 0.011 U	0.62 J+	< 0.0038 U	< 0.0027 UJ	< 0.0056 U	< 0.004 U	410	0.12 J
Up-Gradient	AA-BW-09A	30	N	04/16/05	--	< 0.05 UJ-	< 0.017 UJ-	< 0.0074 UJ-	< 0.028 UJ-	< 0.011 UJ-	8.3 J-	< 0.02 UJ-
Up-Gradient	AA-BW-09A	49	N	10/29/07	< 0.0071 U	< 0.012 U	0.06 J+	< 0.013 U	< 0.013 U	< 0.0044 U	7.9 J-	< 0.0057 U
Up-Gradient	AA-BW-09A	55a	N	01/20/09	< 0.011 U	< 0.009 U	< 0.0038 U	< 0.0027 U	< 0.0056 U	0.46 J	10	< 0.003 U
Up-Gradient	AA-BW-09A	55b	N	04/29/09	< 0.011 U	< 0.009 U	< 0.0038 U	< 0.0027 U	< 0.0056 U	< 0.004 U	14	< 0.003 U
Up-Gradient	AA-MW-07	55a	N	01/22/09	< 0.011 U	< 0.009 U	< 0.0038 U	< 0.0027 U	< 0.0056 U	< 0.004 U	100	< 0.003 U
Up-Gradient	AA-MW-07	55b	N	04/24/09	< 0.011 UJ	< 0.009 UJ	< 0.0038 UJ	< 0.0027 UJ	< 0.0056 UJ	< 0.004 UJ	100 J-	< 0.003 UJ
Up-Gradient	EC-2	55a	N	01/22/09	< 0.011 U	0.23 J	< 0.0038 U	< 0.0027 U	< 0.0056 U	< 0.004 U	48	< 0.003 U
Up-Gradient	EC-2	55b	N	04/24/09	< 0.011 UJ	< 0.009 UJ	< 0.0038 UJ	< 0.0027 UJ	< 0.0056 UJ	< 0.004 UJ	62 J-	0.23 J
Down-Gradient	H-21R	55a	N	01/23/09	< 0.011 U	< 0.009 U	< 0.0038 U	< 0.0027 U	< 0.0056 U	< 0.004 U	4.6	0.067 J
Down-Gradient	H-21R	55b	N	04/16/09	1.2 J	< 0.009 U	< 0.0038 U	< 0.0027 U	< 0.0056 U	0.13 J	4.4	< 0.003 U
Down-Gradient	H-28	55a	N	01/26/09	< 0.011 U	< 0.009 U	< 0.0038 U	< 0.0027 U	< 0.0056 U	< 0.004 U	0.94	< 0.003 U
Down-Gradient	H-28	55b	N	04/22/09	< 0.011 U	< 0.009 U	< 0.0038 U	< 0.0027 U	< 0.0056 U	< 0.004 U	1.3	< 0.003 U
Down-Gradient	H-43	55a	N	01/27/09	0.76	0.16	< 0.0038 U	< 0.0027 U	< 0.0056 U	< 0.004 U	6.9	< 0.003 U
Down-Gradient	H-43	55b	N	04/21/09	< 0.011 U	< 0.009 U	< 0.0038 U	< 0.0027 U	< 0.0056 U	< 0.004 U	7.2	< 0.003 U
Down-Gradient	M7B	55a	N	02/03/09	< 0.011 U	< 0.009 U	< 0.0038 U	< 0.0027 U	< 0.0056 U	< 0.004 U	< 0.0025 U	< 0.003 U
Down-Gradient	M7B	55b	N	04/23/09	< 0.011 U	< 0.009 U	< 0.0038 U	< 0.0027 U	< 0.0056 U	< 0.004 U	< 0.0025 U	< 0.003 U

Note: This table includes all data, regardless of date. Because of this, the total number of analyses does not always coincide with the total number of analyses reported in Tables 3-2a,b,c, which include only 2009 data.
-- = no sample data.

TABLE 3-6
ORGANOCHLORINE PESTICIDE RESULTS
1ST AND 2ND QUARTER 2009 GROUNDWATER MONITORING EVENTS
CAMU AREA, CLARK COUNTY, NEVADA
(Page 2 of 3)

Location	Well ID	DVSR	Sample Type	Sample Date	beta-BHC	Chlordane	delta-BHC	Dieldrin	Endosulfan I	Endosulfan II	Endosulfan sulfate	Endrin
				Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
				MCL	--	2	--	--	--	--	--	2
				BCL	0.037	2	--	0.0042	--	--	--	2
Cross-Gradient	AA-BW-01A	30	N	04/21/05	< 0.017 U	< 0.09 U	4.8 J-	< 0.005 U	< 0.02 U	< 0.006 U	< 0.006 U	< 0.009 U
Cross-Gradient	AA-BW-01A	49	N	10/24/07	R	R	6.7	R	R	R	R	R
Cross-Gradient	AA-BW-01A	55a	N	01/19/09	< 0.013 U	< 0.18 U	7.3	< 0.0023 U	< 0.0025 U	< 0.01 U	< 0.017 U	< 0.0028 U
Cross-Gradient	AA-BW-01A	55b	N	04/27/09	< 0.013 U	< 0.18 U	7	< 0.0023 U	< 0.0025 U	< 0.01 U	< 0.017 U	< 0.0028 U
Cross-Gradient	AA-BW-02A	30	N	04/14/05	0.12 J-	< 0.19 UJ-	1.3 J-	< 0.011 UJ-	< 0.0099 UJ-	< 0.043 UJ-	< 0.013 UJ-	< 0.014 UJ-
Cross-Gradient	AA-BW-02A	30	FD	04/14/05	0.12 J-	< 0.19 UJ-	1.5 J-	< 0.011 UJ-	< 0.0099 UJ-	< 0.043 UJ-	< 0.013 UJ-	< 0.014 UJ-
Cross-Gradient	AA-BW-02A	49	N	10/29/07	< 0.015 U	< 0.099 U	1.8 J	< 0.0057 U	< 0.0078 U	< 0.0053 U	< 0.0063 U	< 0.0068 U
Cross-Gradient	AA-BW-02A	55a	N	01/19/09	< 0.013 U	< 0.18 U	1.7 J	< 0.0023 U	< 0.0025 U	< 0.01 U	< 0.017 U	< 0.0028 U
Cross-Gradient	AA-BW-02A	55a	FD	01/30/09	< 0.013 U	< 0.18 U	1.6 J	< 0.0023 U	< 0.0025 U	< 0.01 U	< 0.017 U	< 0.0028 U
Cross-Gradient	AA-BW-02A	55b	N	04/27/09	< 0.013 U	< 0.18 U	1.3	< 0.0023 U	< 0.0025 U	< 0.01 U	< 0.017 U	< 0.0028 U
Cross-Gradient	AA-BW-03A	30	N	04/13/05	0.37	< 0.19 U	0.16	< 0.011 U	< 0.0099 U	< 0.043 U	< 0.013 U	< 0.014 U
Cross-Gradient	AA-BW-03A	49	N	10/26/07	< 0.015 U	< 0.099 U	0.12 J	< 0.0057 U	< 0.0078 U	< 0.0053 U	< 0.0063 U	< 0.0068 U
Cross-Gradient	AA-BW-03A	55a	N	01/21/09	< 0.013 U	< 0.18 U	0.086 J	< 0.0023 U	< 0.0025 U	< 0.01 U	< 0.017 U	< 0.0028 U
Cross-Gradient	AA-BW-03A	55b	N	04/28/09	< 0.013 U	< 0.18 U	0.13 J	< 0.0023 U	< 0.0025 U	< 0.01 U	< 0.017 U	< 0.0028 U
Down-Gradient	AA-BW-04A	30	N	04/19/05	27 J-	< 0.19 UJ-	3.9 J-	< 0.011 UJ-	< 0.0099 UJ-	< 0.043 UJ-	< 0.013 UJ-	< 0.014 UJ-
Down-Gradient	AA-BW-04A	49	N	10/23/07	50	< 0.099 U	4.3	< 0.0057 U	< 0.0078 U	< 0.0053 U	< 0.0063 U	< 0.0068 U
Down-Gradient	AA-BW-04A	55a	N	01/26/09	89	< 0.18 U	5.3	< 0.0023 U	< 0.0025 U	< 0.01 U	< 0.017 U	< 0.0028 U
Down-Gradient	AA-BW-04A	55a	FD	01/26/09	43	< 0.18 U	3	< 0.0023 U	< 0.0025 U	< 0.01 U	< 0.017 U	< 0.0028 U
Down-Gradient	AA-BW-04A	55b	N	04/20/09	72	< 0.18 U	3.9	< 0.0023 U	< 0.0025 U	< 0.01 U	< 0.017 U	< 0.0028 U
Down-Gradient	AA-BW-04A	55b	FD	04/20/09	84	< 0.18 U	4.5	< 0.0023 U	< 0.0025 U	< 0.01 U	< 0.017 U	< 0.0028 U
Down-Gradient	AA-BW-05A	30	N	04/19/05	49 J-	< 0.19 U	3.4	< 0.011 U	< 0.0099 U	< 0.043 U	< 0.013 U	< 0.014 U
Down-Gradient	AA-BW-05A	49	N	10/23/07	24	< 0.099 U	2.6 J	< 0.0057 U	< 0.0078 U	< 0.0053 U	< 0.0063 U	< 0.0068 U
Down-Gradient	AA-BW-05A	55a	N	01/23/09	30	< 0.18 U	2.7	< 0.0023 U	< 0.0025 U	< 0.01 U	< 0.017 U	< 0.0028 U
Down-Gradient	AA-BW-05A	55b	N	04/21/09	27	< 0.18 U	1.2 J	< 0.0023 U	< 0.0025 U	< 0.01 U	< 0.017 U	< 0.0028 U
Down-Gradient	AA-BW-06A	30	N	04/19/05	16 J-	< 0.19 U	2.3 J-	< 0.011 U	< 0.0099 U	< 0.043 U	< 0.013 U	< 0.014 U
Down-Gradient	AA-BW-06A	49	N	10/23/07	15	< 0.099 U	1.2 J	< 0.0057 U	0.21 J	< 0.0053 U	< 0.0063 U	< 0.0068 U
Down-Gradient	AA-BW-06A	55a	N	01/27/09	18	< 0.18 U	1.5	< 0.0023 U	0.31	< 0.01 U	< 0.017 U	< 0.0028 U
Down-Gradient	AA-BW-06A	55b	N	04/22/09	18	< 0.18 U	1.7	< 0.0023 U	0.097 J	< 0.01 U	< 0.017 U	< 0.0028 U
Cross-Gradient	AA-BW-07A	30	N	04/12/05	1.6 J-	< 0.19 U	3 J-	< 0.011 U	< 0.0099 U	< 0.043 U	< 0.013 U	< 0.014 U
Cross-Gradient	AA-BW-07A	30	FD	04/12/05	1.8 J-	< 0.19 U	3.1 J-	< 0.011 U	< 0.0099 U	< 0.043 U	< 0.013 U	< 0.014 U
Cross-Gradient	AA-BW-07A	49	N	10/23/07	1.9	< 0.099 U	4.2	< 0.0057 U	< 0.0078 U	< 0.0053 U	< 0.0063 U	< 0.0068 U
Cross-Gradient	AA-BW-07A	49	FD	10/23/07	1.8	< 0.099 U	3	< 0.0057 U	< 0.0078 U	< 0.0053 U	< 0.0063 U	< 0.0068 U
Cross-Gradient	AA-BW-07A	55a	N	01/21/09	2	< 0.18 U	3.1	< 0.0023 U	< 0.0025 U	< 0.01 U	< 0.017 U	< 0.0028 U
Cross-Gradient	AA-BW-07A	55b	N	04/23/09	2.3	< 0.18 U	3.9	< 0.0023 U	< 0.0025 U	< 0.01 U	< 0.017 U	< 0.0028 U
Up-Gradient	AA-BW-08A	30	N	04/15/05	53 J-	< 0.19 UJ-	9.6 J-	0.62 J-	< 0.0099 UJ-	0.2 J-	0.26 J-	< 0.014 UJ-
Up-Gradient	AA-BW-08A	49	N	10/25/07	72	< 0.099 U	7.4	0.51 J	< 0.0078 U	< 0.0053 U	< 0.0063 U	< 0.0068 U
Up-Gradient	AA-BW-08A	55a	N	01/20/09	57	< 0.18 U	7.9	0.22 J	< 0.0025 U	< 0.01 U	< 0.017 U	< 0.0028 U
Up-Gradient	AA-BW-08A	55b	N	04/28/09	65 J-	< 0.18 UJ	8.2 J-	0.4 J	< 0.0025 UJ	< 0.01 UJ	< 0.017 UJ	< 0.0028 UJ
Up-Gradient	AA-BW-08A	55b	FD	04/28/09	67	< 0.18 U	8.3	0.31 J	< 0.0025 U	0.24 J	< 0.017 U	< 0.0028 U
Up-Gradient	AA-BW-09A	30	N	04/16/05	3.5 J-	< 0.19 UJ-	5.6 J-	< 0.011 UJ-	< 0.0099 UJ-	< 0.043 UJ-	< 0.013 UJ-	< 0.014 UJ-
Up-Gradient	AA-BW-09A	49	N	10/29/07	< 0.015 U	< 0.099 U	6.1 J-	< 0.0057 U	< 0.0078 U	< 0.0053 U	< 0.0063 U	< 0.0068 U
Up-Gradient	AA-BW-09A	55a	N	01/20/09	< 0.013 U	< 0.18 U	7.8 J	< 0.0023 U	< 0.0025 U	0.17 J	< 0.017 U	< 0.0028 U
Up-Gradient	AA-BW-09A	55b	N	04/29/09	< 0.013 U	< 0.18 U	6	< 0.0023 U	< 0.0025 U	< 0.01 U	< 0.017 U	< 0.0028 U
Up-Gradient	AA-MW-07	55a	N	01/22/09	< 0.013 U	< 0.18 U	35	< 0.0023 U	< 0.0025 U	< 0.01 U	< 0.017 U	< 0.0028 U
Up-Gradient	AA-MW-07	55b	N	04/24/09	< 0.013 UJ	< 0.18 UJ	36 J-	< 0.0023 UJ	< 0.0025 UJ	< 0.01 UJ	< 0.017 UJ	< 0.0028 UJ
Up-Gradient	EC-2	55a	N	01/22/09	24	< 0.18 U	3.2	< 0.0023 U	< 0.0025 U	< 0.01 U	< 0.017 U	< 0.0028 U
Up-Gradient	EC-2	55b	N	04/24/09	33 J-	< 0.18 UJ	3.7 J-	< 0.0023 UJ	0.44 J	0.54 J	< 0.017 UJ	< 0.0028 UJ
Down-Gradient	H-21R	55a	N	01/23/09	28	< 0.18 U	3.8 J	< 0.0023 U	< 0.0025 U	0.15 J	< 0.017 U	< 0.0028 U
Down-Gradient	H-21R	55b	N	04/16/09	29	< 0.18 U	3 J	< 0.0023 U	< 0.0025 U	< 0.01 U	< 0.017 U	< 0.0028 U
Down-Gradient	H-28	55a	N	01/26/09	< 0.013 U	< 0.18 U	0.86	< 0.0023 U	< 0.0025 U	< 0.01 U	< 0.017 U	< 0.0028 U
Down-Gradient	H-28	55b	N	04/22/09	< 0.013 U	< 0.18 U	0.61	< 0.0023 U	< 0.0025 U	< 0.01 U	< 0.017 U	< 0.0028 U
Down-Gradient	H-43	55a	N	01/27/09	19	< 0.18 U	2.8	< 0.0023 U	< 0.0025 U	0.23	< 0.017 U	< 0.0028 U
Down-Gradient	H-43	55b	N	04/21/09	17	< 0.18 U	1.8 J	< 0.0023 U	0.25 J	< 0.01 U	< 0.017 U	< 0.0028 U
Down-Gradient	M7B	55a	N	02/03/09	< 0.013 U	< 0.18 U	0.098	< 0.0023 U	< 0.0025 U	< 0.01 U	< 0.017 U	< 0.0028 U
Down-Gradient	M7B	55b	N	04/23/09	< 0.013 U	< 0.18 U	0.049 J	< 0.0023 U	< 0.0025 U	< 0.01 U	< 0.017 U	< 0.0028 U

Note: This table includes all data, regardless of date. Because of this, the total number of analyses does not always coincide with the total number of analyses reported in Tables 3-2a,b,c, which include only 2009 data.
-- = no sample data.

TABLE 3-6
ORGANOCHLORINE PESTICIDE RESULTS
1ST AND 2ND QUARTER 2009 GROUNDWATER MONITORING EVENTS
CAMU AREA, CLARK COUNTY, NEVADA
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Location	Well ID	DVSR	Sample Type	Sample Date	Endrin aldehyde	Endrin ketone	gamma-Chlordane	Heptachlor	Heptachlor epoxide	Lindane	Methoxychlor	Toxaphene
				Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
				MCL	--	--	--	0.4	0.2	0.2	40	3
				BCL	--	--	--	0.4	0.2	0.2	40	3
Cross-Gradient	AA-BW-01A	30	N	04/21/05	< 0.007 U	< 0.006 U	< 0.006 U	< 0.006 UJ-	< 0.006 U	< 0.005 U	< 0.013 U	< 0.27 U
Cross-Gradient	AA-BW-01A	49	N	10/24/07	R	R	R	R	R	R	R	R
Cross-Gradient	AA-BW-01A	55a	N	01/19/09	< 0.0032 U	< 0.016 U	< 0.0027 U	< 0.0025 U	< 0.0032 U	< 0.0025 U	< 0.005 U	< 0.33 U
Cross-Gradient	AA-BW-01A	55b	N	04/27/09	< 0.0032 U	< 0.016 U	< 0.0027 U	< 0.0025 U	< 0.0032 U	< 0.0025 U	< 0.005 U	< 0.33 U
Cross-Gradient	AA-BW-02A	30	N	04/14/05	< 0.03 UJ-	< 0.03 UJ-	< 0.02 UJ-	< 0.015 UJ-	< 0.0099 UJ-	0.19 J-	< 0.053 UJ-	< 1.9 UJ-
Cross-Gradient	AA-BW-02A	30	FD	04/14/05	< 0.03 UJ-	< 0.03 UJ-	< 0.02 UJ-	< 0.015 UJ-	< 0.0099 UJ-	0.17 J-	< 0.053 UJ-	< 1.9 UJ-
Cross-Gradient	AA-BW-02A	49	N	10/29/07	< 0.009 U	< 0.005 U	< 0.0088 U	< 0.034 U	< 0.0062 U	< 0.0032 U	< 0.01 U	< 0.59 U
Cross-Gradient	AA-BW-02A	55a	N	01/19/09	< 0.0032 U	< 0.016 U	< 0.0027 U	< 0.0025 U	< 0.0032 U	< 0.0025 U	< 0.005 U	< 0.33 U
Cross-Gradient	AA-BW-02A	55a	FD	01/30/09	< 0.0032 U	< 0.016 U	< 0.0027 U	< 0.0025 U	< 0.0032 U	< 0.0025 U	< 0.005 U	< 0.33 U
Cross-Gradient	AA-BW-02A	55b	N	04/27/09	< 0.0032 U	< 0.016 U	< 0.0027 U	< 0.0025 U	< 0.0032 U	< 0.0025 U	< 0.005 U	< 0.33 U
Cross-Gradient	AA-BW-03A	30	N	04/13/05	< 0.03 U	< 0.03 U	< 0.02 U	< 0.015 U	< 0.0099 U	0.23	< 0.053 U	< 1.9 U
Cross-Gradient	AA-BW-03A	49	N	10/26/07	< 0.009 U	< 0.005 U	< 0.0088 U	< 0.034 U	< 0.0062 U	< 0.0032 U	< 0.01 U	< 0.59 U
Cross-Gradient	AA-BW-03A	55a	N	01/21/09	< 0.0032 U	< 0.016 U	< 0.0027 U	< 0.0025 U	< 0.0032 U	< 0.0025 U	< 0.005 U	< 0.33 U
Cross-Gradient	AA-BW-03A	55b	N	04/28/09	< 0.0032 U	< 0.016 U	< 0.0027 U	< 0.0025 U	< 0.0032 U	< 0.0025 U	< 0.005 U	< 0.33 U
Down-Gradient	AA-BW-04A	30	N	04/19/05	< 0.03 UJ-	< 0.03 UJ-	< 0.02 UJ-	< 0.015 UJ-	< 0.0099 UJ-	9.7 J-	< 0.053 UJ-	< 1.9 UJ-
Down-Gradient	AA-BW-04A	49	N	10/23/07	< 0.009 U	< 0.005 U	< 0.0088 U	< 0.034 U	< 0.0062 U	4.7	< 0.01 U	< 0.59 U
Down-Gradient	AA-BW-04A	55a	N	01/26/09	0.097	< 0.016 U	< 0.0027 U	< 0.0025 U	< 0.0032 U	3	< 0.005 U	< 0.33 U
Down-Gradient	AA-BW-04A	55a	FD	01/26/09	< 0.0032 U	< 0.016 U	< 0.0027 U	< 0.0025 U	< 0.0032 U	4.7	< 0.005 U	< 0.33 U
Down-Gradient	AA-BW-04A	55b	N	04/20/09	0.076 J	< 0.016 U	< 0.0027 U	< 0.0025 U	< 0.0032 U	1.8	< 0.005 U	< 0.33 U
Down-Gradient	AA-BW-04A	55b	FD	04/20/09	0.071 J	< 0.016 U	< 0.0027 U	< 0.0025 U	< 0.0032 U	1.8	< 0.005 U	< 0.33 U
Down-Gradient	AA-BW-05A	30	N	04/19/05	< 0.03 U	< 0.03 U	< 0.02 U	< 0.015 U	< 0.0099 U	< 0.018 U	< 0.053 U	< 1.9 U
Down-Gradient	AA-BW-05A	49	N	10/23/07	< 0.009 U	< 0.005 U	< 0.0088 U	1.2 J	< 0.0062 U	< 0.0032 U	< 0.01 U	< 0.59 U
Down-Gradient	AA-BW-05A	55a	N	01/23/09	< 0.0032 U	< 0.016 U	< 0.0027 U	< 0.0025 U	< 0.0032 U	0.2 J	< 0.005 U	< 0.33 U
Down-Gradient	AA-BW-05A	55b	N	04/21/09	< 0.0032 U	< 0.016 U	0.18 J	0.25 J	< 0.0032 U	0.091 J	< 0.005 U	< 0.33 U
Down-Gradient	AA-BW-06A	30	N	04/19/05	< 0.03 U	< 0.03 U	< 0.02 U	< 0.015 U	< 0.0099 U	< 0.018 U	< 0.053 U	< 1.9 U
Down-Gradient	AA-BW-06A	49	N	10/23/07	0.1 J	< 0.005 U	< 0.0088 U	< 0.034 U	< 0.0062 U	0.12 J	< 0.01 U	< 0.59 U
Down-Gradient	AA-BW-06A	55a	N	01/27/09	0.12	< 0.016 U	< 0.0027 U	< 0.0025 U	< 0.0032 U	0.24	< 0.005 U	< 0.33 U
Down-Gradient	AA-BW-06A	55b	N	04/22/09	< 0.0032 U	< 0.016 U	< 0.0027 U	< 0.0025 U	< 0.0032 U	0.12 J	< 0.005 U	< 0.33 U
Cross-Gradient	AA-BW-07A	30	N	04/12/05	< 0.03 U	< 0.03 U	0.084	< 0.015 U	< 0.0099 U	1.8 J-	< 0.053 U	< 1.9 U
Cross-Gradient	AA-BW-07A	30	FD	04/12/05	< 0.03 U	< 0.03 U	0.069	< 0.015 U	< 0.0099 U	1.8 J-	< 0.053 U	< 1.9 U
Cross-Gradient	AA-BW-07A	49	N	10/23/07	< 0.009 U	< 0.005 U	0.06 J	< 0.034 U	< 0.0062 U	0.72	< 0.01 U	< 0.59 U
Cross-Gradient	AA-BW-07A	49	FD	10/23/07	< 0.009 U	< 0.005 U	< 0.0088 U	< 0.034 U	< 0.0062 U	0.63	< 0.01 U	< 0.59 U
Cross-Gradient	AA-BW-07A	55a	N	01/21/09	< 0.0032 U	< 0.016 U	0.074 J	< 0.0025 U	< 0.0032 U	1.5	< 0.005 U	< 0.33 U
Cross-Gradient	AA-BW-07A	55b	N	04/23/09	< 0.0032 U	< 0.016 U	0.06 J	< 0.0025 U	< 0.0032 U	1.4	< 0.005 U	< 0.33 U
Up-Gradient	AA-BW-08A	30	N	04/15/05	< 0.03 UJ-	< 0.03 UJ-	< 0.02 UJ-	< 0.015 UJ-	< 0.0099 UJ-	50 J-	< 0.053 UJ-	< 1.9 UJ-
Up-Gradient	AA-BW-08A	49	N	10/25/07	0.2 J	< 0.005 U	< 0.0088 U	< 0.034 U	< 0.0062 U	34	< 0.01 U	< 0.59 U
Up-Gradient	AA-BW-08A	55a	N	01/20/09	< 0.0032 U	< 0.016 U	< 0.0027 U	< 0.0025 U	< 0.0032 U	39	< 0.005 U	< 0.33 U
Up-Gradient	AA-BW-08A	55b	N	04/28/09	< 0.0032 UJ	< 0.016 UJ	< 0.0027 UJ	< 0.0025 UJ	< 0.0032 UJ	44 J	< 0.005 UJ	< 0.33 UJ
Up-Gradient	AA-BW-08A	55b	FD	04/28/09	< 0.0032 U	< 0.016 U	< 0.0027 U	< 0.0025 U	< 0.0032 U	44	< 0.005 U	< 0.33 U
Up-Gradient	AA-BW-09A	30	N	04/16/05	< 0.03 UJ-	< 0.03 UJ-	< 0.02 UJ-	< 0.015 UJ-	< 0.0099 UJ-	9 J-	< 0.053 UJ-	< 1.9 UJ-
Up-Gradient	AA-BW-09A	49	N	10/29/07	< 0.009 U	< 0.005 U	< 0.0088 U	< 0.034 U	< 0.0062 U	10 J-	< 0.01 U	< 0.59 U
Up-Gradient	AA-BW-09A	55a	N	01/20/09	< 0.0032 U	< 0.016 U	< 0.0027 U	< 0.0025 U	< 0.0032 U	10 J	< 0.005 U	< 0.33 U
Up-Gradient	AA-BW-09A	55b	N	04/29/09	< 0.0032 U	< 0.016 U	< 0.0027 U	< 0.0025 U	< 0.0032 U	13	< 0.005 U	< 0.33 U
Up-Gradient	AA-MW-07	55a	N	01/22/09	< 0.0032 U	< 0.016 U	< 0.0027 U	< 0.0025 U	< 0.0032 U	2.3 J	< 0.005 U	< 0.33 U
Up-Gradient	AA-MW-07	55b	N	04/24/09	< 0.0032 UJ	< 0.016 UJ	< 0.0027 UJ	< 0.0025 UJ	< 0.0032 UJ	1.4 J-	0.052 J	< 0.33 UJ
Up-Gradient	EC-2	55a	N	01/22/09	< 0.0032 U	< 0.016 U	< 0.0027 U	< 0.0025 U	< 0.0032 U	0.31 J	< 0.005 U	< 0.33 U
Up-Gradient	EC-2	55b	N	04/24/09	< 0.0032 UJ	< 0.016 UJ	< 0.0027 UJ	< 0.0025 UJ	< 0.0032 UJ	0.65 J	< 0.005 UJ	< 0.33 UJ
Down-Gradient	H-21R	55a	N	01/23/09	< 0.0032 U	< 0.016 U	< 0.0027 U	< 0.0025 U	< 0.0032 U	0.8 J+	< 0.005 U	< 0.33 U
Down-Gradient	H-21R	55b	N	04/16/09	< 0.0032 U	< 0.016 U	< 0.0027 U	< 0.0025 U	< 0.0032 U	< 0.0025 U	< 0.005 U	< 0.33 U
Down-Gradient	H-28	55a	N	01/26/09	< 0.0032 U	< 0.016 U	< 0.0027 U	< 0.0025 U	< 0.0032 U	< 0.0025 U	< 0.005 U	< 0.33 U
Down-Gradient	H-28	55b	N	04/22/09	< 0.0032 U	< 0.016 U	< 0.0027 U	< 0.0025 U	< 0.0032 U	< 0.0025 U	< 0.005 U	< 0.33 U
Down-Gradient	H-43	55a	N	01/27/09	0.8	< 0.016 U	< 0.0027 U	< 0.0025 U	< 0.0032 U	0.27	0.2	< 0.33 U
Down-Gradient	H-43	55b	N	04/21/09	< 0.0032 U	< 0.016 U	< 0.0027 U	< 0.0025 U	< 0.0032 U	0.37 J	< 0.005 U	< 0.33 U
Down-Gradient	M7B	55a	N	02/03/09	< 0.0032 U	< 0.016 U	< 0.0027 U	< 0.0025 U	< 0.0032 U	0.2	< 0.005 U	< 0.33 U
Down-Gradient	M7B	55b	N	04/23/09	< 0.0032 U	< 0.016 U	< 0.0027 U	0.15 J	< 0.0032 U	0.2	< 0.005 U	< 0.33 U

Note: This table includes all data, regardless of date. Because of this, the total number of analyses does not always coincide with the total number of analyses reported in Tables 3-2a,b,c, which include only 2009 data.
-- = no sample data.

TABLE 3-7
TOTAL METALS RESULTS
1ST AND 2ND QUARTER 2009 GROUNDWATER MONITORING EVENTS
CAMU AREA, CLARK COUNTY, NEVADA
(Page 1 of 4)

Location	Well ID	DVSR	Sample Type	Sample Date	Aluminum	Antimony	Arsenic	Barium	Beryllium	Boron	Cadmium	Calcium
				Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
				MCL	--	6	10	2000	4	--	5	--
				BCL	36500	6	10	2000	4	7300	5	--
Cross-Gradient	AA-BW-01A	30	N	04/21/05	< 212 U	2.2 J	241	76.3 J	< 0.57 U	1300	< 0.53 UJ-	906000
Cross-Gradient	AA-BW-01A	49	N	10/24/07	< 248 U	< 5.6 U	336	51	< 13 U	< 1800 U	< 1 U	1010000
Cross-Gradient	AA-BW-01A	55a	N	01/19/09	< 36 U	< 0.7 U	293	52.9	< 0.8 U	1610	< 0.4 U	974000
Cross-Gradient	AA-BW-01A	55b	N	04/27/09	< 18 U	< 0.35 U	293	51.8	< 0.4 U	1830	< 0.2 U	964000 J-TDS
Cross-Gradient	AA-BW-02A	30	N	04/14/05	< 106 U	< 1.6 U	195	55.3 J+	< 0.57 U	2600 J+	< 0.53 U	480000
Cross-Gradient	AA-BW-02A	30	FD	04/14/05	< 106 U	< 1.6 U	184	54.1 J	< 0.57 U	2450	< 0.53 U	483000
Cross-Gradient	AA-BW-02A	49	N	10/29/07	< 495 U	< 11 U	210 J	53.9 J	< 6.4 U	2500	< 2.1 U	655000
Cross-Gradient	AA-BW-02A	55a	N	01/19/09	18.9 J	< 0.35 U	188	57.4	< 0.4 U	2250	< 0.2 U	696000
Cross-Gradient	AA-BW-02A	55a	FD	01/30/09	21.8 J	< 0.35 U	189	58.4	< 0.4 U	2310	< 0.2 U	717000
Cross-Gradient	AA-BW-02A	55b	N	04/27/09	< 18 U	< 0.35 U	195	56.8	< 0.4 U	2460	< 0.2 U	690000 J-TDS
Cross-Gradient	AA-BW-03A	30	N	04/13/05	< 170 U	< 1.6 U	76.5	61.2 J	< 0.57 U	2670	< 0.53 U	345000
Cross-Gradient	AA-BW-03A	49	N	10/26/07	< 248 U	< 5.6 U	106	39 J	< 3.2 U	3020 J-	< 1.1 U	477000
Cross-Gradient	AA-BW-03A	55a	N	01/21/09	36.3 J	< 0.35 U	106	40.6	< 0.4 U	2490	< 0.2 U	464000
Cross-Gradient	AA-BW-03A	55b	N	04/28/09	114	< 0.14 U	107	40.2	< 0.16 U	2730	< 0.08 U	459000 J-TDS
Down-Gradient	AA-BW-04A	30	N	04/19/05	< 851 U	< 1.6 U	161	< 3.1 U	< 0.57 U	2190 J	< 0.53 U	272000
Down-Gradient	AA-BW-04A	49	N	10/23/07	< 248 U	< 5.6 U	92.1 J	46.2 J	< 13 U	1660 J	< 1.1 U	368000
Down-Gradient	AA-BW-04A	55a	N	01/26/09	50	< 0.7 U	104	49	< 0.8 U	1540	< 0.4 U	354000
Down-Gradient	AA-BW-04A	55a	FD	01/26/09	< 36 U	< 0.7 U	103	49.9	< 0.8 U	1580	< 0.4 U	362000
Down-Gradient	AA-BW-04A	55b	N	04/20/09	530	< 0.7 U	106	51	< 0.8 U	1830 J	< 0.4 U	357000 J-TDS
Down-Gradient	AA-BW-04A	55b	FD	04/20/09	343	< 0.7 U	108	52.8	< 0.8 U	1810 J	< 0.4 U	359000 J-TDS
Down-Gradient	AA-BW-05A	30	N	04/19/05	< 425 U	< 1.6 U	177	57 J	< 0.57 U	1490 J	< 0.53 U	209000
Down-Gradient	AA-BW-05A	49	N	10/23/07	< 248 U	< 5.6 U	55.6 J	34.9 J	< 13 U	2000 J	< 1.1 U	353000
Down-Gradient	AA-BW-05A	55a	N	01/23/09	< 36 U	< 0.7 U	70.3 J	41.7	< 0.8 U	1860	< 0.4 U	377000
Down-Gradient	AA-BW-05A	55b	N	04/21/09	548	< 0.7 U	113	47.2	< 0.8 U	2090	< 0.4 U	377000 J-TDS
Down-Gradient	AA-BW-06A	30	N	04/19/05	< 85 U	< 1.6 U	81	46.6 J	< 0.57 U	1470	< 0.53 U	133000
Down-Gradient	AA-BW-06A	49	N	10/23/07	< 198 U	< 4.5 U	120 J	32.6 J	< 2.6 U	1300	< 0.84 U	209000
Down-Gradient	AA-BW-06A	55a	N	01/27/09	19.1	< 0.14 U	137	42.8	< 0.16 U	1380	< 0.08 U	335000
Down-Gradient	AA-BW-06A	55b	N	04/22/09	< 7.2 U	< 0.14 U	144	41.7	< 0.16 U	1490	< 0.08 U	299000 J-TDS
Cross-Gradient	AA-BW-07A	30	N	04/12/05	< 43 U	< 1.6 U	117	53.7 J	< 0.57 U	1660	< 0.53 U	180000
Cross-Gradient	AA-BW-07A	30	FD	04/12/05	< 43 U	< 1.6 U	117	51.6 J	< 0.57 U	1790	< 0.53 U	182000
Cross-Gradient	AA-BW-07A	49	N	10/23/07	< 198 U	< 4.5 U	89.1 J	37.5 J	< 2.6 U	1580	< 0.84 U	278000
Cross-Gradient	AA-BW-07A	49	FD	10/23/07	< 198 U	< 4.5 U	88 J	40.4	< 2.6 U	1640	< 0.84 U	298000
Cross-Gradient	AA-BW-07A	55a	N	01/21/09	57.4 J	< 0.14 U	104	41.4	< 0.16 U	1800	0.08 J	341000
Cross-Gradient	AA-BW-07A	55b	N	04/23/09	< 7.2 U	0.19 J	106	36.9	< 0.16 U	1840	< 0.08 U	300000 J-TDS
Up-Gradient	AA-BW-08A	30	N	04/15/05	< 851 U	< 1.6 U	153	7.7 J	1.9 J	218 J	< 0.53 U	227000
Up-Gradient	AA-BW-08A	49	N	10/25/07	< 248 U	< 5.6 U	125 J	30.4 J	< 13 U	1570 J	< 1.1 U	293000
Up-Gradient	AA-BW-08A	55a	N	01/20/09	< 36 U	< 0.7 U	170	37.7	< 0.8 U	1410 J-CAB	< 0.4 U	307000 J-CAB
Up-Gradient	AA-BW-08A	55b	N	04/28/09	349	< 0.7 U	175	34.2	< 0.8 U	1630	< 0.4 U	351000 R-CAB&TDS
Up-Gradient	AA-BW-08A	55b	FD	04/28/09	< 36 U	< 0.7 U	173	35.8	< 0.8 U	1590	< 0.4 U	345000 J-TDS
Up-Gradient	AA-BW-09A	30	N	04/16/05	< 851 U	< 1.6 U	307	111 J	< 0.57 U	1570 J	< 0.53 U	1510000
Up-Gradient	AA-BW-09A	49	N	10/29/07	< 1981 U	< 45 U	782	< 105 U	< 26 U	< 3608 U	< 8.4 U	1660000
Up-Gradient	AA-BW-09A	55a	N	01/20/09	< 72 U	< 1.4 U	630	35.2 J	< 1.6 U	996	< 0.8 U	1650000
Up-Gradient	AA-BW-09A	55b	N	04/29/09	< 18 U	< 0.7 U	611	31.5	< 0.8 U	1080	< 0.4 U	1560000
Up-Gradient	AA-MW-07	55a	N	01/22/09	94.4 J	< 0.7 U	360	49.9	< 0.8 U	2550	< 0.4 U	818000
Up-Gradient	AA-MW-07	55b	N	04/24/09	< 18 U	< 0.35 U	343	46.5	< 0.4 U	2570	< 0.2 U	835000 J-TDS
Up-Gradient	EC-2	55a	N	01/22/09	< 36 U	< 0.7 U	187	67.2	< 0.8 U	1540	< 0.4 U	401000
Up-Gradient	EC-2	55b	N	04/24/09	< 18 U	< 0.35 U	173	66.9	< 0.4 U	1600	< 0.2 U	403000 R-CAB&TDS
Down-Gradient	H-21R	55a	N	01/23/09	19.4 J	< 0.35 U	28.8 J	35.8	< 0.4 U	2680	< 0.2 U	229000
Down-Gradient	H-21R	55b	N	04/16/09	31.8 J	< 0.35 UJ	23.1 J	35.9	< 0.4 U	3010 J+	< 0.2 U	236000 J-TDS
Down-Gradient	H-28	55a	N	01/26/09	148	< 0.35 U	246	60.4	< 0.4 U	2360	< 0.2 U	575000
Down-Gradient	H-28	55b	N	04/22/09	< 18 U	< 0.35 U	268	55.2	< 0.4 U	2460	< 0.2 U	559000 J-CAB
Down-Gradient	H-43	55a	N	01/27/09	< 7.2 U	< 0.14 U	71.3	36	< 0.16 U	1430	< 0.08 U	223000
Down-Gradient	H-43	55b	N	04/21/09	< 7.2 U	< 0.14 U	76	41.8	< 0.16 U	1480	< 0.08 U	233000 J-TDS
Down-Gradient	M7B	55a	N	02/03/09	89	< 0.35 U	89.3	41.4	< 0.4 U	4270	< 0.2 U	626000
Down-Gradient	M7B	55b	N	04/23/09	< 18 U	< 0.35 U	88	39.9	< 0.4 U	4520	< 0.2 U	616000 J-TDS

Note: This table includes all data, regardless of date. Because of this, the total number of analyses does not always coincide with the total number of analyses reported in Tables 3-2a,b,c, which include only 2009 data.
-- = no sample data.

TABLE 3-7
TOTAL METALS RESULTS
1ST AND 2ND QUARTER 2009 GROUNDWATER MONITORING EVENTS
CAMU AREA, CLARK COUNTY, NEVADA

Location	Well ID	DVSR	Sample Type	Sample Date	Chromium (Total)	Chromium (VI)	Cobalt	Copper	Iron	Lead	Lithium	Magnesium
				Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
				MCL	100	100	--	1300	--	15	--	--
				BCL	100	100	11	1360	25600	15	73	207000
Cross-Gradient	AA-BW-01A	30	N	04/21/05	< 6.9 U	< 10 U	< 0.29 U	< 4.7 UJ-	577	9.2	988 J+	1090000
Cross-Gradient	AA-BW-01A	49	N	10/24/07	< 50 U	< 2.5 UJ	< 6.1 U	< 12 U	1870	< 12 U	804 J+	1070000
Cross-Gradient	AA-BW-01A	55a	N	01/19/09	< 5 U	< 50 U	0.3 J	< 5.6 U	3020	< 1.8 U	784	1060000
Cross-Gradient	AA-BW-01A	55b	N	04/27/09	< 2.5 U	< 30 U	0.33 J	< 2.8 U	2690	< 0.9 U	821	1030000 J-TDS
Cross-Gradient	AA-BW-02A	30	N	04/14/05	< 6.9 U	< 10 U	< 0.14 U	< 2.4 U	< 159 U	6	728 J+	621000
Cross-Gradient	AA-BW-02A	30	FD	04/14/05	< 6.9 U	< 10 U	< 0.14 U	< 2.4 U	< 159 U	6	741	636000
Cross-Gradient	AA-BW-02A	49	N	10/29/07	< 100 U	< 3 UJ	< 12 U	< 24 U	< 380 U	< 25 U	566	682000
Cross-Gradient	AA-BW-02A	55a	N	01/19/09	< 2.5 U	< 10 U	1.4 J	< 2.8 U	1060	< 0.9 U	671	682000
Cross-Gradient	AA-BW-02A	55a	FD	01/30/09	< 2.5 U	< 10 U	1.3 J	< 2.8 U	1050	< 0.9 U	693	702000
Cross-Gradient	AA-BW-02A	55b	N	04/27/09	< 2.5 U	< 3 U	1.4 J	< 2.8 U	725	< 0.9 U	666	662000 J-TDS
Cross-Gradient	AA-BW-03A	30	N	04/13/05	< 6.9 U	< 10 U	< 0.23 U	< 3.8 U	155	3.6 J	391	398000
Cross-Gradient	AA-BW-03A	49	N	10/26/07	< 50 U	< 25 UJ	< 6.1 U	6.7 J	< 190 U	< 12 U	446	418000
Cross-Gradient	AA-BW-03A	55a	N	01/21/09	< 2.5 U	< 10 U	0.88 J	< 2.8 U	720	< 0.9 U	380	396000
Cross-Gradient	AA-BW-03A	55b	N	04/28/09	1.1 J	< 3 U	0.85 J	< 1.1 U	485	< 0.36 U	393 J	386000 J-TDS
Down-Gradient	AA-BW-04A	30	N	04/19/05	< 6.9 U	< 10 U	< 1.1 U	< 19 U	17 J	34.6	575	526000
Down-Gradient	AA-BW-04A	49	N	10/23/07	< 50 U	< 2.5 U	< 6.1 U	12.4 J	< 190 U	< 12 U	412 J+	395000
Down-Gradient	AA-BW-04A	55a	N	01/26/09	< 5 U	< 10 U	1.1	< 5.6 U	563	< 1.8 U	498	419000
Down-Gradient	AA-BW-04A	55a	FD	01/26/09	< 5 U	< 10 U	1	< 5.6 U	488	< 1.8 U	497	429000
Down-Gradient	AA-BW-04A	55b	N	04/20/09	< 5 U	< 3 U	< 0.1 U	< 5.6 U	350 J	< 1.8 U	518	412000 J-TDS
Down-Gradient	AA-BW-04A	55b	FD	04/20/09	< 5 U	< 3 U	< 0.1 U	< 5.6 U	347 J	< 1.8 U	517	415000 J-TDS
Down-Gradient	AA-BW-05A	30	N	04/19/05	< 6.9 U	< 10 U	< 0.57 U	< 9.4 U	44.5 J	20	500	402000
Down-Gradient	AA-BW-05A	49	N	10/23/07	< 50 U	< 2.5 U	< 6.1 U	13.4 J	< 190 U	< 12 U	377 J+	367000
Down-Gradient	AA-BW-05A	55a	N	01/23/09	< 5 U	< 10 U	0.66 J	< 5.6 U	757	< 1.8 U	< 26 U	449000
Down-Gradient	AA-BW-05A	55b	N	04/21/09	< 5 U	< 6 U	< 0.1 U	< 5.6 U	611	< 1.8 U	556	428000 J-TDS
Down-Gradient	AA-BW-06A	30	N	04/19/05	< 6.9 U	< 10 U	< 0.11 U	< 1.9 U	77.1 J	3.4 J	266	147000
Down-Gradient	AA-BW-06A	49	N	10/23/07	< 40 U	< 2.5 U	< 2.9 U	5.8 J	< 152 U	< 9.8 U	219 J+	153000
Down-Gradient	AA-BW-06A	55a	N	01/27/09	1.1	< 20 U	0.13	< 1.1 U	774	< 0.36 U	306	213000
Down-Gradient	AA-BW-06A	55b	N	04/22/09	< 1 U	< 6 U	0.078 J	< 1.1 U	552	< 0.36 U	278	189000 J-TDS
Cross-Gradient	AA-BW-07A	30	N	04/12/05	< 6.9 U	< 10 U	< 0.06 U	< 0.94 U	< 16 U	< 1.8 U	220	99800
Cross-Gradient	AA-BW-07A	30	FD	04/12/05	< 6.9 U	< 10 U	< 0.06 U	< 0.94 U	< 16 U	2.4 J	217	104000
Cross-Gradient	AA-BW-07A	49	N	10/23/07	< 40 U	< 2.5 U	< 2.9 U	6.4 J	< 152 U	< 9.8 U	217 J+	126000
Cross-Gradient	AA-BW-07A	49	FD	10/23/07	< 40 U	< 2.5 U	< 2.9 U	6.5 J	< 152 U	< 9.8 U	227 J+	141000
Cross-Gradient	AA-BW-07A	55a	N	01/21/09	< 1 U	< 10 U	0.16 J	< 1.1 U	513	< 0.36 U	248	151000
Cross-Gradient	AA-BW-07A	55b	N	04/23/09	< 1 U	< 3 U	0.13 J	< 1.1 U	223	< 0.36 U	259	132000 J-TDS
Up-Gradient	AA-BW-08A	30	N	04/15/05	< 6.9 U	< 10 U	< 1.1 U	< 19 U	< 796 U	49.6	733	64800
Up-Gradient	AA-BW-08A	49	N	10/25/07	< 50 U	< 2.5 UJ	< 6.1 U	< 12 U	< 190 U	< 12 U	398 J+	353000
Up-Gradient	AA-BW-08A	55a	N	01/20/09	< 5 U	< 20 U	0.39 J	< 5.6 U	494 J	< 1.8 U	< 26 U	376000 J-CAB
Up-Gradient	AA-BW-08A	55b	N	04/28/09	< 5 U	18.5 J	0.46 J	< 5.6 U	< 48 U	< 1.8 U	466 J	409000 R-CAB&TDS
Up-Gradient	AA-BW-08A	55b	FD	04/28/09	< 5 U	18.5 J	0.43 J	< 5.6 U	< 48 U	< 1.8 U	462 J	400000 J-TDS
Up-Gradient	AA-BW-09A	30	N	04/16/05	< 6.9 U	< 10 U	< 1.1 U	< 19 U	< 16 U	38	1670	2190000
Up-Gradient	AA-BW-09A	49	N	10/29/07	< 400 U	< 3 UJ	< 49 U	< 94 U	< 1520 U	< 98 U	918 J	2270000
Up-Gradient	AA-BW-09A	55a	N	01/20/09	< 10 U	< 10 U	3.2 J	< 11 U	2330	< 3.6 U	1200	2150000
Up-Gradient	AA-BW-09A	55b	N	04/29/09	< 5 U	< 3 U	< 0.1 U	6.5 J	1160	< 1.8 U	1290	2020000
Up-Gradient	AA-MW-07	55a	N	01/22/09	< 5 U	< 50 U	0.67 J	< 5.6 U	1720	< 1.8 U	574	819000
Up-Gradient	AA-MW-07	55b	N	04/24/09	< 2.5 U	< 15 U	0.64 J	< 2.8 U	1120	< 0.9 U	678	770000 J-TDS
Up-Gradient	EC-2	55a	N	01/22/09	< 5 U	< 50 U	0.19 J	< 5.6 U	1780	< 1.8 U	408	339000
Up-Gradient	EC-2	55b	N	04/24/09	< 2.5 U	< 30 U	0.18 J	< 2.8 U	1770	< 0.9 U	470	348000 R-CAB&TDS
Down-Gradient	H-21R	55a	N	01/23/09	< 2.5 U	< 100 U	0.74 J	< 2.8 U	915	< 0.9 U	479	333000
Down-Gradient	H-21R	55b	N	04/16/09	< 2.5 U	10.4 J	0.87 J	< 2.8 UJ	726	< 0.9 U	531 J+	357000 J-TDS
Down-Gradient	H-28	55a	N	01/26/09	< 2.5 U	< 10 U	11.5	< 2.8 U	926	< 0.9 U	627	576000
Down-Gradient	H-28	55b	N	04/22/09	< 2.5 U	< 3 U	12.5	< 2.8 U	506	< 0.9 U	605	548000 J-CAB
Down-Gradient	H-43	55a	N	01/27/09	1.5	< 250 U	0.5	< 1.1 U	46700	0.45	319	188000
Down-Gradient	H-43	55b	N	04/21/09	< 1 U	< 300 U	< 0.02 U	< 1.1 U	16800	< 0.36 U	318	183000 J-TDS
Down-Gradient	M7B	55a	N	02/03/09	< 2.5 U	< 10 U	0.35	< 2.8 U	998	< 0.9 U	442	447000
Down-Gradient	M7B	55b	N	04/23/09	< 2.5 U	< 3 U	0.21 J	< 2.8 U	486	< 0.9 U	421	417000 J-TDS

Note: This table includes all data, regardless of date. Because of this, the total number of analyses does not always coincide with the total number of analyses reported in Tables 3-2a,b,c, which include only 2009 data.
-- = no sample data.

TABLE 3-7
TOTAL METALS RESULTS
1ST AND 2ND QUARTER 2009 GROUNDWATER MONITORING EVENTS
CAMU AREA, CLARK COUNTY, NEVADA
(Page 3 of 4)

Location	Well ID	DVSR	Sample Type	Sample Date	Manganese	Mercury	Molybdenum	Nickel	Potassium	Selenium	Silver	Sodium
				Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
				MCL	--	2	--	--	--	50	--	--
				BCL	510	10.95	180	730	--	50	180	--
Cross-Gradient	AA-BW-01A	30	N	04/21/05	1740	< 0.046 U	17.5 J+	< 1.6 U	28500	< 2.7 U	< 2.2 U	1470000
Cross-Gradient	AA-BW-01A	49	N	10/24/07	2020	R	< 11 U	36.6 J	28700	< 12 U	< 5.1 U	2780000
Cross-Gradient	AA-BW-01A	55a	N	01/19/09	2000	< 0.027 U	10.5 J	5.5 J	29000	< 7 U	< 1.6 U	2710000
Cross-Gradient	AA-BW-01A	55b	N	04/27/09	1920	< 0.027 U	10.4 J	4.8 J	31500 J-TDS	< 3.5 U	< 0.8 U	3020000 J-TDS
Cross-Gradient	AA-BW-02A	30	N	04/14/05	1460	< 0.046 U	33.5 J	16.4 J	18200	< 2.7 U	< 2.2 U	1440000
Cross-Gradient	AA-BW-02A	30	FD	04/14/05	1400	< 0.046 U	30.4 J	16.6 J	18800	< 2.7 U	< 2.2 U	1440000
Cross-Gradient	AA-BW-02A	49	N	10/29/07	1590	< 0.093 U	34.6 J	< 24 U	18900	< 24 U	< 10 U	1640000
Cross-Gradient	AA-BW-02A	55a	N	01/19/09	1600	< 0.027 U	29.1	3.5 J	19600	< 3.5 U	< 0.8 U	1720000
Cross-Gradient	AA-BW-02A	55a	FD	01/30/09	1600	< 0.027 U	29	3.4 J	19900	< 3.5 U	< 0.8 U	1780000
Cross-Gradient	AA-BW-02A	55b	N	04/27/09	1560	< 0.027 U	27.7	2.9 J	21600 J-TDS	< 3.5 U	< 0.8 U	1910000 J-TDS
Cross-Gradient	AA-BW-03A	30	N	04/13/05	1150	< 0.046 U	39.2 J	11.9 J	15800	< 2.7 U	< 2.2 U	995000
Cross-Gradient	AA-BW-03A	49	N	10/26/07	1280	< 0.093 U	< 11 U	17.6 J	16600	< 12 U	< 5.1 U	1200000
Cross-Gradient	AA-BW-03A	55a	N	01/21/09	1230	< 0.027 U	37.6	4.4 J	16600	< 3.5 U	< 0.8 U	1160000
Cross-Gradient	AA-BW-03A	55b	N	04/28/09	1240	< 0.027 U	38	2.4 J	16400 J-TDS	< 1.4 U	< 0.32 U	1270000 J-TDS
Down-Gradient	AA-BW-04A	30	N	04/19/05	587 J	< 0.046 U	< 12 U	< 6.3 U	63900	< 2.7 U	< 2.2 U	9150000
Down-Gradient	AA-BW-04A	49	N	10/23/07	519	< 0.093 U	< 11 U	19 J	43400	< 12 U	< 5.1 U	7020000
Down-Gradient	AA-BW-04A	55a	N	01/26/09	543	< 0.027 U	16.1	4.4	48900	12.2	< 1.6 U	6270000
Down-Gradient	AA-BW-04A	55a	FD	01/26/09	552	< 0.027 U	17.6	3	50400	8.5	< 1.6 U	6420000
Down-Gradient	AA-BW-04A	55b	N	04/20/09	645	< 0.027 UJ	16.5 J	4.7 J	45400 J-TDS	< 7 U	< 1.6 U	5900000 J-TDS
Down-Gradient	AA-BW-04A	55b	FD	04/20/09	675	< 0.027 UJ	17.1 J	4.9 J	44900 J-TDS	< 7 U	< 1.6 U	5900000 J-TDS
Down-Gradient	AA-BW-05A	30	N	04/19/05	420 J	< 0.046 U	36.5 J	< 3.1 U	50000	< 2.7 U	< 2.2 U	4250000
Down-Gradient	AA-BW-05A	49	N	10/23/07	355	< 0.093 U	< 11 U	17.6 J	51300	< 12 U	< 5.1 U	7510000
Down-Gradient	AA-BW-05A	55a	N	01/23/09	335	< 0.027 U	13 J	3.5 J	70300	< 7 U	< 1.6 U	8880000
Down-Gradient	AA-BW-05A	55b	N	04/21/09	400	< 0.027 U	22.2 J	4 J	77800 J-TDS	< 7 U	< 1.6 U	8500000 J-TDS
Down-Gradient	AA-BW-06A	30	N	04/19/05	344	< 0.046 U	15.1 J	< 0.63 U	22800	< 2.7 U	< 2.2 U	988000
Down-Gradient	AA-BW-06A	49	N	10/23/07	135	< 0.093 U	< 9 U	< 9.7 U	24400	< 9.6 U	< 4.1 U	958000
Down-Gradient	AA-BW-06A	55a	N	01/27/09	195	< 0.027 U	27.6	1.6	33600	2.5	< 0.32 U	1230000
Down-Gradient	AA-BW-06A	55b	N	04/22/09	194	< 0.027 U	29.1	1.2 J	32000 J-TDS	< 1.4 U	< 0.32 U	1190000 J-TDS
Cross-Gradient	AA-BW-07A	30	N	04/12/05	300	< 0.046 U	59.3	7 J	19800	< 2.7 U	< 2.2 U	560000
Cross-Gradient	AA-BW-07A	30	FD	04/12/05	338	< 0.046 U	58.1	7.2 J	20300	< 2.7 U	< 2.2 U	565000
Cross-Gradient	AA-BW-07A	49	N	10/23/07	22.6 J	< 0.093 U	< 9 U	< 9.7 U	19500	< 9.6 U	< 4.1 U	681000
Cross-Gradient	AA-BW-07A	49	FD	10/23/07	24.5 J	< 0.093 U	< 9 U	10.1 J	21300	< 9.6 U	< 4.1 U	759000
Cross-Gradient	AA-BW-07A	55a	N	01/21/09	29.3	< 0.027 U	43.3	2.5 J	21400	< 1.4 U	< 0.32 U	834000
Cross-Gradient	AA-BW-07A	55b	N	04/23/09	34.1	< 0.027 U	41.3	1.7 J	22800 J-TDS	< 1.4 U	< 0.32 U	856000 J-TDS
Up-Gradient	AA-BW-08A	30	N	04/15/05	36.7 J	< 0.046 U	< 12 U	< 6.3 U	6770	5.6	< 2.2 U	12700000
Up-Gradient	AA-BW-08A	49	N	10/25/07	80.9	< 0.093 U	< 11 U	14.7 J	28300	< 12 U	< 5.1 U	6010000
Up-Gradient	AA-BW-08A	55a	N	01/20/09	87.8	< 0.027 U	29.8 J	< 3 U	31900 J-CAB	< 7 U	< 1.6 U	5810000 J-CAB
Up-Gradient	AA-BW-08A	55b	N	04/28/09	102	< 0.027 U	28.7 J	3.6 J	37000 R-CAB&TDS	< 7 U	< 1.6 U	6950000 R-CAB&TDS
Up-Gradient	AA-BW-08A	55b	FD	04/28/09	103	< 0.027 U	27.3 J	3.1 J	36800 J-TDS	< 7 U	< 1.6 U	6800000 J-TDS
Up-Gradient	AA-BW-09A	30	N	04/16/05	2370	< 0.046 U	< 12 U	< 6.3 U	77500	< 2.7 U	< 2.2 U	11200000
Up-Gradient	AA-BW-09A	49	N	10/29/07	2680	< 0.093 U	66.9 J	< 97 U	82600	< 96 U	< 41 U	15300000
Up-Gradient	AA-BW-09A	55a	N	01/20/09	2710	< 0.027 U	70.9 J	7.3 J	90700	< 14 U	< 3.2 U	16000000
Up-Gradient	AA-BW-09A	55b	N	04/29/09	2620	< 0.027 U	72.6	5.4 J	95800	< 7 U	< 1.6 U	16800000
Up-Gradient	AA-MW-07	55a	N	01/22/09	1250	< 0.027 U	35.1 J	6 J	32100	< 7 U	< 1.6 U	4670000
Up-Gradient	AA-MW-07	55b	N	04/24/09	1220	< 0.027 U	32.6	3.8 J	36600 J-TDS	< 3.5 U	< 0.8 U	4960000 J-TDS
Up-Gradient	EC-2	55a	N	01/22/09	1100	< 0.027 U	23.6 J	3.3 J	28200	< 7 U	< 1.6 U	3730000
Up-Gradient	EC-2	55b	N	04/24/09	1180	< 0.027 U	20.4 J	3.2 J	33000 R-CAB&TDS	< 3.5 U	< 0.8 U	4180000 R-CAB&TDS
Down-Gradient	H-21R	55a	N	01/23/09	400	< 0.027 U	3.7 J	2.5 J	40500	< 3.5 U	< 0.8 U	4350000
Down-Gradient	H-21R	55b	N	04/16/09	360	< 0.027 UJ	1.8 J	3.3 J	40100 J-TDS	< 3.5 UJ	< 0.8 U	4400000 J-TDS
Down-Gradient	H-28	55a	N	01/26/09	2060	< 0.027 U	29.9	6.1	20200	< 3.5 U	< 0.8 U	1480000
Down-Gradient	H-28	55b	N	04/22/09	2060	< 0.027 U	31.7	6.5 J	18700 J-CAB	< 3.5 U	< 0.8 U	1470000 J-CAB
Down-Gradient	H-43	55a	N	01/27/09	342	< 0.027 U	15	3.3	25000	1.4	< 0.32 U	1110000
Down-Gradient	H-43	55b	N	04/21/09	383	< 0.027 U	13.8	2.6 J	25300 J-TDS	1.4 J+	< 0.32 U	1120000 J-TDS
Down-Gradient	M7B	55a	N	02/03/09	1.9	< 0.027 U	26.7	3.1	30000	11.6	< 0.8 U	1690000
Down-Gradient	M7B	55b	N	04/23/09	< 1.6 U	0.029 J	25.6	1.9 J	28000 J-TDS	< 3.5 U	< 0.8 U	1680000 J-TDS

Note: This table includes all data, regardless of date. Because of this, the total number of analyses does not always coincide with the total number of analyses reported in Tables 3-2a,b,c, which include only 2009 data.
-- = no sample data.

TABLE 3-7
TOTAL METALS RESULTS
1ST AND 2ND QUARTER 2009 GROUNDWATER MONITORING EVENTS
CAMU AREA, CLARK COUNTY, NEVADA
(Page 4 of 4)

Location	Well ID	DVSR	Sample Type	Sample Date	Strontium	Thallium	Tin	Titanium	Tungsten	Uranium	Vanadium	Zinc
				Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
				MCL	--	2	--	--	--	30	--	--
				BCL	21900	2	21900	146000	270	30	180	11000
Cross-Gradient	AA-BW-01A	30	N	04/21/05	24200	< 2.7 U	< 4.7 U	< 3.9 U	149 J+	34 J	92.3 J	410
Cross-Gradient	AA-BW-01A	49	N	10/24/07	24900	< 15 U	< 12 U	< 30 U	< 12 U	31.5	< 52 U	< 75 UJ
Cross-Gradient	AA-BW-01A	55a	N	01/19/09	27800	< 0.2 U	< 1.7 U	< 3 U	< 0.22 U	26.7	< 20 U	< 20 U
Cross-Gradient	AA-BW-01A	55b	N	04/27/09	30900	< 0.1 U	< 0.85 U	7.4 J	< 0.11 U	25.4	< 0.7 U	< 10 U
Cross-Gradient	AA-BW-02A	30	N	04/14/05	16000	< 2.7 U	< 2.4 U	< 2 U	83.9 J	62.8 J	55.2 J	111
Cross-Gradient	AA-BW-02A	30	FD	04/14/05	16400	< 2.7 U	< 2.4 U	< 2 U	31.7 J	62.2 J	60 J	133
Cross-Gradient	AA-BW-02A	49	N	10/29/07	21000	< 30 U	< 23 U	< 15 U	< 24 UJ	61.4	< 105 U	236 J
Cross-Gradient	AA-BW-02A	55a	N	01/19/09	21000	< 0.1 U	< 0.85 U	10.7	< 0.11 U	61	< 10 U	< 10 U
Cross-Gradient	AA-BW-02A	55a	FD	01/30/09	21400	< 0.1 U	< 0.85 U	< 3 U	< 0.11 U	61.7	< 10 U	< 10 U
Cross-Gradient	AA-BW-02A	55b	N	04/27/09	23200	0.2 J	< 0.85 U	6.3 J	< 0.11 U	60.2	< 0.7 U	< 10 U
Cross-Gradient	AA-BW-03A	30	N	04/13/05	11500	< 2.7 U	< 3.8 U	< 3.1 U	62.7 J+	70 J	45.6 J	47
Cross-Gradient	AA-BW-03A	49	N	10/26/07	13900	< 15 U	< 12 U	< 7.5 U	< 12 U	72.8	< 52 U	< 75 U
Cross-Gradient	AA-BW-03A	55a	N	01/21/09	13400	< 0.1 U	< 0.85 U	< 3 U	< 0.11 U	68.5	< 10 U	< 10 U
Cross-Gradient	AA-BW-03A	55b	N	04/28/09	15000	0.82 J	< 0.34 U	< 6 U	< 0.044 U	66.3	1.2 J	< 4 U
Down-Gradient	AA-BW-04A	30	N	04/19/05	14200	< 2.7 U	< 19 U	< 16 U	124 J+	55.3 J	531 J	267
Down-Gradient	AA-BW-04A	49	N	10/23/07	10200	< 15 U	< 12 U	< 30 U	< 12 U	32.8	< 52 U	< 75 UJ
Down-Gradient	AA-BW-04A	55a	N	01/26/09	11600	0.57	< 1.7 U	3.4	6.4	25.7	< 20 U	< 20 U
Down-Gradient	AA-BW-04A	55a	FD	01/26/09	11900	0.5	< 1.7 U	3.2	6.8	25.5	< 20 U	< 20 U
Down-Gradient	AA-BW-04A	55b	N	04/20/09	11000	< 0.2 U	< 1.7 U	8.6 J	< 0.22 U	25.7	12.5 J	< 20 U
Down-Gradient	AA-BW-04A	55b	FD	04/20/09	11100	< 0.2 U	< 1.7 U	6.5 J	< 0.22 U	27.2	10.1 J	< 20 U
Down-Gradient	AA-BW-05A	30	N	04/19/05	7810	< 2.7 U	< 9.4 U	< 7.9 U	56.2 J+	10.6 J	328 J	65.2
Down-Gradient	AA-BW-05A	49	N	10/23/07	14600	< 15 U	< 12 U	< 30 U	< 12 U	13.2 J	< 52 U	< 75 UJ
Down-Gradient	AA-BW-05A	55a	N	01/23/09	20100	< 0.2 U	< 1.7 U	< 6 U	< 0.22 U	17	136	< 20 U
Down-Gradient	AA-BW-05A	55b	N	04/21/09	20900	< 0.2 U	< 1.7 U	< 6 U	< 0.22 U	25.3	227	< 20 U
Down-Gradient	AA-BW-06A	30	N	04/19/05	3310	< 2.7 U	< 1.9 U	7.7 J	20.6 J+	9.7 J	183	244
Down-Gradient	AA-BW-06A	49	N	10/23/07	3700	< 12 U	< 9.3 U	< 6 U	< 9.4 U	< 4.2 U	< 42 U	< 60 UJ
Down-Gradient	AA-BW-06A	55a	N	01/27/09	6600	< 0.04 U	< 0.34 U	4.3	6.1	1.3	< 4 U	< 4 U
Down-Gradient	AA-BW-06A	55b	N	04/22/09	5960	R	< 0.34 U	2.1	< 0.044 U	1.4 J	0.96 J	< 4 U
Cross-Gradient	AA-BW-07A	30	N	04/12/05	3450	< 2.7 U	< 0.94 U	6.8 J	24.9 J+	14.7 J	263	262
Cross-Gradient	AA-BW-07A	30	FD	04/12/05	3780	< 2.7 U	< 0.94 U	5.9 J	15 J+	16.7 J	241	157
Cross-Gradient	AA-BW-07A	49	N	10/23/07	5080	< 12 U	< 9.3 U	< 6 U	< 9.4 U	14.3 J	123 J	< 60 UJ
Cross-Gradient	AA-BW-07A	49	FD	10/23/07	5600	< 12 U	< 9.3 U	< 6 U	< 9.4 U	15 J	120 J	< 60 UJ
Cross-Gradient	AA-BW-07A	55a	N	01/21/09	6510	< 0.04 U	< 0.34 U	4.4	< 0.044 U	21.3	136	4.2 J
Cross-Gradient	AA-BW-07A	55b	N	04/23/09	6160	0.15 J	< 0.34 U	2	< 0.044 U	19.7	120	< 4 U
Up-Gradient	AA-BW-08A	30	N	04/15/05	1880	< 2.7 U	< 19 U	< 16 U	39 J	3.2 J	76.4 J	66.2
Up-Gradient	AA-BW-08A	49	N	10/25/07	11700	< 15 U	< 12 U	< 30 U	< 12 U	9.9 J	< 52 U	< 75 UJ
Up-Gradient	AA-BW-08A	55a	N	01/20/09	13200	< 0.2 U	< 1.7 U	< 6 U	< 0.22 U	9.6 J	< 20 U	< 20 U
Up-Gradient	AA-BW-08A	55b	N	04/28/09	16700	< 0.2 U	< 1.7 U	< 6 U	< 0.22 U	9.4 J	6.2 J	< 20 U
Up-Gradient	AA-BW-08A	55b	FD	04/28/09	16300	< 0.2 U	< 1.7 U	< 6 U	< 0.22 U	9.3 J	6.4 J	< 20 U
Up-Gradient	AA-BW-09A	30	N	04/16/05	46600	< 2.7 U	< 19 U	< 16 U	158 J+	191 J	546 J	156
Up-Gradient	AA-BW-09A	49	N	10/29/07	53500	< 120 U	< 93 U	< 60 U	< 94 U	265	< 418 U	978 J
Up-Gradient	AA-BW-09A	55a	N	01/20/09	50500	< 0.4 U	< 3.4 U	< 6 U	< 0.44 U	350	< 40 U	< 40 U
Up-Gradient	AA-BW-09A	55b	N	04/29/09	48900	1.9 J	< 1.7 U	15.5 J	< 0.11 U	346	3.1 J	< 20 U
Up-Gradient	AA-MW-07	55a	N	01/22/09	25200	< 0.2 U	< 1.7 U	< 3 U	< 0.22 U	14.2	< 20 U	< 20 U
Up-Gradient	AA-MW-07	55b	N	04/24/09	27200	< 0.1 U	< 0.85 U	4.6	< 0.11 U	13.6	< 0.7 U	< 10 U
Up-Gradient	EC-2	55a	N	01/22/09	14100	< 0.2 U	< 1.7 U	< 3 U	< 0.22 U	3.2 J	< 20 U	< 20 U
Up-Gradient	EC-2	55b	N	04/24/09	15300	< 0.1 U	< 0.85 U	2.7	< 0.11 U	3 J	< 0.7 U	< 10 U
Down-Gradient	H-21R	55a	N	01/23/09	8830	< 0.1 U	< 0.85 U	< 3 U	< 0.11 U	7	< 10 U	< 10 U
Down-Gradient	H-21R	55b	N	04/16/09	8460	< 0.1 UJ	< 0.85 U	11.5 J	< 0.11 U	5.7	7.2 J	< 10 U
Down-Gradient	H-28	55a	N	01/26/09	18900	0.31	< 0.85 U	5.6	5	74.9	19.2	< 10 U
Down-Gradient	H-28	55b	N	04/22/09	17700	0.24 J-	< 0.85 U	4.6	< 0.11 U	74.6	18.5 J	< 10 U
Down-Gradient	H-43	55a	N	01/27/09	5490	< 0.04 U	< 0.34 U	< 0.6 U	7.8	0.51	< 4 U	168
Down-Gradient	H-43	55b	N	04/21/09	5560	< 0.04 U	< 0.34 U	1.9 J	< 0.044 U	0.62 J	0.32 J	23.5
Down-Gradient	M7B	55a	N	02/03/09	20300	< 0.1 U	< 0.85 U	3.8	0.39	48.4	18.4	< 10 U
Down-Gradient	M7B	55b	N	04/23/09	20600	< 0.1 U	< 0.85 U	4	< 0.11 U	49.4	17.2 J	< 10 U

Note: This table includes all data, regardless of date. Because of this, the total number of analyses does not always coincide with the total number of analyses reported in Tables 3-2a,b,c, which include only 2009 data.
-- = no sample data.

TABLE 3-8
DIOXINS/FURANS RESULTS
1ST AND 2ND QUARTER 2009 GROUNDWATER MONITORING EVENTS
CAMU AREA, CLARK COUNTY, NEVADA
(Page 1 of 2)

Location	Well ID	DVSR	Sample Type	Sample Date	1,2,3,4,6,7,8-HpCDF	1,2,3,4,6,7,8-HpCDD	1,2,3,4,7,8,9-HpCDF	1,2,3,4,7,8-HxCDF	1,2,3,4,7,8-HxCDD	1,2,3,6,7,8-HxCDF	1,2,3,6,7,8-HxCDD	1,2,3,7,8,9-HxCDF	1,2,3,7,8,9-HxCDD
				Units	pg/L	pg/L	pg/L	pg/L	pg/L	pg/L	pg/L	pg/L	pg/L
				MCL	--	--	--	--	--	--	--	--	--
				BCL	--	--	--	--	--	--	--	--	11
Cross-Gradient	AA-BW-01A	30	N	04/21/05	< 6.2 U	< 7.4 U	< 7.9 U	< 6.2 U	< 8.5 U	< 5.1 U	< 6.5 U	< 6.8 U	< 7 U
Cross-Gradient	AA-BW-01A	49	N	10/24/07	< 3.7 U	< 5.7 U	< 4.3 U	< 3.2 U	< 4.7 U	< 3.2 U	< 5.1 U	< 3.3 U	< 3.9 U
Cross-Gradient	AA-BW-02A	30	N	04/14/05	< 19 U	< 4.5 U	< 7.2 U	< 9.2 U	< 4.9 U	< 4.3 U	< 3.7 U	< 3.2 U	< 4 U
Cross-Gradient	AA-BW-02A	30	FD	04/14/05	33	< 9.2 U	< 12 U	< 12 U	< 9.9 U	< 7.2 U	< 7.6 U	< 7.3 U	< 8.2 U
Cross-Gradient	AA-BW-02A	49	N	10/29/07	< 1.8 U	< 3 U	< 2.1 U	< 2 U	< 2.6 U	< 2 U	< 2.8 U	< 2.1 U	< 2.2 U
Cross-Gradient	AA-BW-03A	30	N	04/13/05	50	< 7.4 U	< 17 U	< 18 U	< 5.4 U	< 13 U	< 4.2 U	< 5.4 U	< 4.5 U
Cross-Gradient	AA-BW-03A	49	N	10/26/07	< 6.5 U	< 7.7 U	< 4.7 U	< 4.4 U	< 6.2 U	< 4.1 U	< 6.6 U	< 4.8 U	< 5.3 U
Down-Gradient	AA-BW-04A	30	N	04/19/05	< 19 U	< 9 U	< 6 U	< 8.4 U	< 7.1 U	< 4.2 U	< 5.5 U	< 5.2 U	< 5.9 U
Down-Gradient	AA-BW-04A	49	N	10/23/07	< 1.3 U	< 3.2 U	< 1.6 U	< 2.5 U	< 2.9 U	< 2.4 U	< 3.1 U	< 2.6 U	< 2.4 U
Down-Gradient	AA-BW-04A	55a	N	01/26/09	< 4.6 U	< 4.8 U	< 2.9 U	< 2 U	< 3 U	< 1.8 U	< 2.4 U	< 2.1 U	< 2.5 U
Down-Gradient	AA-BW-04A	55a	FD	01/26/09	< 2.1 U	< 3.8 U	< 2.5 U	< 2.6 U	< 3 U	< 2.4 U	< 2.4 U	< 2.7 U	< 2.5 U
Down-Gradient	AA-BW-04A	55b	N	04/20/09	< 2.3 U	< 2.1 U	< 2.1 U	< 3.9 U	< 3 U	< 2.1 U	< 2.5 U	< 3.2 U	< 2.5 U
Down-Gradient	AA-BW-04A	55b	FD	04/20/09	< 1.1 U	< 2.2 U	< 1.4 U	< 2.2 U	< 2.9 U	< 1.9 U	< 2.4 U	< 2.3 U	< 2.4 U
Down-Gradient	AA-BW-05A	30	N	04/19/05	< 22 U	< 11 U	< 9.3 U	< 11 U	< 6.1 U	< 6.6 U	< 4.7 U	< 4.8 U	< 5.1 U
Down-Gradient	AA-BW-05A	49	N	10/23/07	< 1.6 U	< 2.7 U	< 1.8 U	< 2.2 U	< 2.9 U	< 2.2 U	< 3.1 U	< 2.3 U	< 2.4 U
Down-Gradient	AA-BW-05A	55a	N	01/23/09	< 2 U	< 3.8 U	< 2.3 U	< 2.8 U	< 3.9 U	< 2.5 U	< 3.1 U	< 2.9 U	< 3.3 U
Down-Gradient	AA-BW-05A	55b	N	04/21/09	< 1.1 U	< 0.99 U	< 1.4 U	< 3 U	< 1.2 U	< 1.2 U	< 0.92 U	< 0.55 U	< 0.93 U
Down-Gradient	AA-BW-06A	30	N	04/19/05	< 5.6 U	< 5.2 U	< 4.7 U	< 3.8 U	< 5.7 U	< 3.1 U	< 4.4 U	< 4.1 U	< 4.8 U
Down-Gradient	AA-BW-06A	49	N	10/23/07	< 1.6 U	< 2.8 U	< 1.8 U	< 2.4 U	< 3.2 U	< 2.3 U	< 3.4 U	< 2.5 U	< 2.6 U
Down-Gradient	AA-BW-06A	55a	N	01/27/09	< 4.2 U	< 6.2 U	< 4.8 U	< 4.2 U	< 6.1 U	< 3.8 U	< 4.9 U	< 4.3 U	< 5.2 U
Down-Gradient	AA-BW-06A	55b	N	04/22/09	< 0.45 U	< 1.1 U	< 0.66 U	< 2.1 U	< 0.75 U	< 0.52 U	< 0.59 U	< 2.2 U	< 0.59 U
Cross-Gradient	AA-BW-07A	30	N	04/12/05	< 4.3 U	< 9 U	< 5.4 U	< 4.2 U	< 5.8 U	< 3.5 U	< 4.4 U	< 4.6 U	< 4.8 U
Cross-Gradient	AA-BW-07A	30	FD	04/12/05	< 5.1 U	< 6.6 U	< 6.5 U	< 5.4 U	< 7.1 U	< 4.4 U	< 5.5 U	< 5.9 U	< 5.9 U
Cross-Gradient	AA-BW-07A	49	N	10/23/07	< 1.4 U	< 2.6 U	< 1.7 U	< 2.4 U	< 2.7 U	< 2.3 U	< 2.9 U	< 2.5 U	< 2.2 U
Cross-Gradient	AA-BW-07A	49	FD	10/23/07	< 2.1 U	< 2.5 U	< 1.3 U	< 1.9 U	< 2.4 U	< 1.9 U	< 2.6 U	< 2 U	< 2 U
Up-Gradient	AA-BW-08A	30	N	04/15/05	< 6.9 U	< 7.5 U	< 3.3 U	< 7.9 U	< 8 U	< 2.6 U	< 6.2 U	< 3.4 U	< 6.7 U
Up-Gradient	AA-BW-08A	49	N	10/25/07	< 3.1 U	< 6.7 U	< 3.6 U	< 4.1 U	< 12 U	< 3.9 U	< 12 U	< 4.5 U	< 10 U
Up-Gradient	AA-BW-08A	55a	N	01/20/09	< 1.5 U	< 2 U	< 1.1 U	< 3.4 U	< 11 U	< 0.74 U	< 9 U	< 4 U	< 9.4 U
Up-Gradient	AA-BW-08A	55b	N	04/28/09	< 4.3 UJ	< 6.3 UJ	< 1 UJ	< 2 UJ	< 5.6 UJ	< 1.6 UJ	< 5 UJ	< 1.3 UJ	< 4.9 UJ
Up-Gradient	AA-BW-08A	55b	FD	04/28/09	< 0.63 U	< 0.57 U	< 1.3 U	< 1.7 U	< 3.3 U	< 0.45 U	< 2.6 U	< 1 U	< 2.6 U
Up-Gradient	AA-BW-09A	30	N	04/16/05	< 3.7 U	< 4.4 U	< 4.7 U	< 3.9 U	< 5.2 U	< 3.2 U	< 4 U	< 4.2 U	< 4.4 U
Up-Gradient	AA-BW-09A	49	N	10/29/07	< 2 U	< 3.5 U	< 2.4 U	< 1.9 U	< 3.6 U	< 1.8 U	< 3.9 U	< 2 U	< 3 U
Up-Gradient	AA-BW-09A	55a	N	01/20/09	< 2 U	< 1.2 U	< 1.5 U	< 4.7 U	< 1.2 U	< 1.8 U	< 0.92 U	< 0.59 U	< 0.97 U
Up-Gradient	AA-BW-09A	55b	N	04/29/09	< 1 U	< 1.9 U	< 1.3 U	< 3.1 U	< 0.42 U	< 1 U	< 0.49 U	< 4.4 U	< 0.43 U
Up-Gradient	AA-MW-07	55a	N	01/22/09	< 1.8 U	< 3.6 U	< 2.1 U	< 2.6 U	< 3.9 U	< 2.3 U	< 3.1 U	< 2.6 U	< 3.3 U
Up-Gradient	AA-MW-07	55b	N	04/24/09	< 0.9 U	< 1.5 U	< 0.55 U	< 3.2 U	< 0.82 U	< 0.32 U	< 0.65 U	< 0.41 U	< 0.65 U
Up-Gradient	EC-2	55a	N	01/22/09	< 11 U	< 18 U	< 13 U	< 7.1 U	< 12 U	< 6.4 U	< 9.6 U	< 7.3 U	< 10 U
Up-Gradient	EC-2	55b	N	04/24/09	< 25 U	< 56 U	< 7.1 U	< 6.9 U	< 7.9 U	< 6 U	< 7 U	< 8 U	< 6.9 U
Down-Gradient	H-21R	55a	N	01/23/09	3	< 3.4 U	0.66	1.6	< 4.1 U	< 2.4 U	< 3.3 U	< 2.7 U	< 3.4 U
Down-Gradient	H-21R	55b	N	04/16/09	< 1.4 U	< 1.8 U	< 2.5 U	< 4.2 U	< 3.4 U	< 3.5 U	< 2.8 U	< 2.2 U	< 2.8 U
Down-Gradient	H-28	55a	N	01/26/09	< 4.3 U	< 3.9 U	< 2.5 U	< 2.5 U	< 3.4 U	< 2.3 U	< 2.7 U	< 2.6 U	< 2.8 U
Down-Gradient	H-28	55b	N	04/22/09	< 3.9 U	< 1.1 U	< 1.7 U	< 4.4 U	< 0.62 U	< 1.8 U	< 0.49 U	< 2.5 U	< 0.49 U
Down-Gradient	H-43	55a	N	01/27/09	< 2.5 U	< 3.9 U	< 2.8 U	< 2.7 U	< 3.7 U	< 2.4 U	< 3 U	< 2.7 U	< 3.1 U
Down-Gradient	H-43	55b	N	04/21/09	< 3 U	< 2.1 U	< 2.1 U	< 5.3 U	< 2.3 U	< 3.4 U	< 2.9 U	< 6.2 U	< 3.1 U
Down-Gradient	M7B	55a	N	02/03/09	< 2 U	< 3.2 U	< 1.8 U	< 2.4 U	< 2.9 U	< 2.1 U	< 2.3 U	< 2.4 U	< 2.4 U
Down-Gradient	M7B	55b	N	04/23/09	< 0.4 U	< 1.4 U	< 0.65 U	< 2.6 U	< 0.58 U	< 0.27 U	< 0.46 U	< 2.4 U	< 0.46 U

Note: This table includes all data, regardless of date. Because of this, the total number of analyses does not always coincide with the total number of analyses reported in Tables 3-2a,b,c, which include only 2009 data.
-- = no sample data.

TABLE 3-8
DIOXINS/FURANS RESULTS
1ST AND 2ND QUARTER 2009 GROUNDWATER MONITORING EVENTS
CAMU AREA, CLARK COUNTY, NEVADA
(Page 2 of 2)

Location	Well ID	DVSR	Sample Type	Sample Date	1,2,3,7,8-PeCDF	1,2,3,7,8-PeCDD	2,3,4,6,7,8-HxCDF	2,3,4,7,8-PeCDF	2,3,7,8-TCDF	2,3,7,8-TCDD	OCDD	OCDF	TCDD TEQ
				Units	pg/L	pg/L	pg/L	pg/L	pg/L	pg/L	pg/L	pg/L	pg/L
				MCL	--	--	--	--	--	30	--	--	--
				BCL	--	--	--	--	--	0.45	--	--	--
Cross-Gradient	AA-BW-01A	30	N	04/21/05	< 4.7 U	< 6.7 U	< 6 U	< 4.8 U	< 2.5 U	< 3.2 U	< 11 U	< 10 U	8.8
Cross-Gradient	AA-BW-01A	49	N	10/24/07	< 2.3 U	< 5.2 U	< 3.3 U	< 2.4 U	< 2.2 U	< 3.4 U	< 4.8 U	< 4.3 U	7.6
Cross-Gradient	AA-BW-02A	30	N	04/14/05	< 4.8 U	< 5.4 U	< 2.8 U	< 4.8 U	< 1.4 U	< 2.9 U	< 5.1 U	< 52 U	7.3
Cross-Gradient	AA-BW-02A	30	FD	04/14/05	< 11 U	< 15 U	< 6.6 U	< 11 U	< 3 U	< 7.3 U	< 12 U	81	17.7
Cross-Gradient	AA-BW-02A	49	N	10/29/07	< 3.2 U	< 5.2 U	< 2.1 U	< 3.3 U	< 2.2 U	< 3.5 U	< 4.7 U	< 4.1 U	7.3
Cross-Gradient	AA-BW-03A	30	N	04/13/05	< 5 U	< 6.4 U	< 4.8 U	< 4.3 U	9	< 2.2 U	< 10 U	96	9.8
Cross-Gradient	AA-BW-03A	49	N	10/26/07	< 6 U	< 9.5 U	< 4.6 U	< 5.9 U	< 3.7 U	< 6.2 U	< 9.1 U	< 11 U	12.7
Down-Gradient	AA-BW-04A	30	N	04/19/05	< 5.5 U	< 8.2 U	< 4.7 U	< 5.6 U	< 4.8 U	< 3.2 U	< 18 U	50	9.7
Down-Gradient	AA-BW-04A	49	N	10/23/07	< 2.7 U	< 4.4 U	< 2.6 U	< 2.8 U	< 2.2 U	< 3.2 U	< 14 U	< 5.3 U	6.8
Down-Gradient	AA-BW-04A	55a	N	01/26/09	< 1.8 U	< 3.8 U	< 2 U	< 1.9 U	< 2.1 U	< 2.5 U	< 31 U	< 7 U	5.7
Down-Gradient	AA-BW-04A	55a	FD	01/26/09	< 2.7 U	< 3.3 U	< 2.5 U	< 2.8 U	< 2.4 U	< 3.8 U	< 10 U	< 3.7 U	6.5
Down-Gradient	AA-BW-04A	55b	N	04/20/09	< 5.2 U	< 4 U	< 2.8 U	< 5.5 U	< 3 U	< 3.4 U	< 1.8 U	< 3.6 U	9.2
Down-Gradient	AA-BW-04A	55b	FD	04/20/09	< 3.1 U	< 4.2 U	< 2.1 U	< 2.4 U	< 3.6 U	< 3.2 U	< 2.1 U	< 2.6 U	6.5
Down-Gradient	AA-BW-05A	30	N	04/19/05	< 4.9 U	< 7.6 U	< 4.3 U	< 5 U	< 6.3 U	< 44 U	75	66	29.8
Down-Gradient	AA-BW-05A	49	N	10/23/07	< 2.4 U	< 41 U	< 2.3 U	< 2.5 U	< 3.6 U	< 88 U	< 11 U	< 4.1 U	67.4
Down-Gradient	AA-BW-05A	55a	N	01/23/09	< 3.5 U	< 6.2 U	< 2.7 U	< 3.7 U	< 2.2 U	< 8.1 U	< 3.7 U	< 4.2 U	10.5
Down-Gradient	AA-BW-05A	55b	N	04/21/09	< 3.2 U	< 16 U	< 0.91 U	< 1.1 U	< 6.5 U	110	< 1.9 U	< 3.3 U	120
Down-Gradient	AA-BW-06A	30	N	04/19/05	< 3.8 U	< 6.2 U	< 3.7 U	< 3.8 U	< 3.2 U	< 15 U	< 8.4 U	< 23 U	13.4
Down-Gradient	AA-BW-06A	49	N	10/23/07	< 2.3 U	< 5.9 U	< 2.5 U	< 2.3 U	< 2.3 U	< 6.6 U	< 8.1 U	< 5.1 U	9.1
Down-Gradient	AA-BW-06A	55a	N	01/27/09	< 3.9 U	< 5.2 U	< 4 U	< 4.1 U	< 2.3 U	< 6 U	< 11 U	< 9.4 U	9.7
Down-Gradient	AA-BW-06A	55b	N	04/22/09	< 1.7 U	< 4.1 U	< 0.64 U	< 0.53 U	< 5.2 U	< 34 U	< 1.6 U	< 1.6 U	21
Cross-Gradient	AA-BW-07A	30	N	04/12/05	< 3.9 U	< 6.4 U	< 4.1 U	< 4 U	< 1.9 U	< 2.6 U	< 28 U	< 7.6 U	7.4
Cross-Gradient	AA-BW-07A	30	FD	04/12/05	< 4.6 U	< 7.8 U	< 5.2 U	< 4.7 U	< 1.9 U	< 3 U	< 13 U	< 10 U	8.8
Cross-Gradient	AA-BW-07A	49	N	10/23/07	< 2.3 U	< 4.1 U	< 2.5 U	< 2.4 U	< 1.8 U	< 2.6 U	< 3.7 U	< 4.2 U	6.1
Cross-Gradient	AA-BW-07A	49	FD	10/23/07	< 2.2 U	< 3.4 U	< 2 U	< 2.2 U	< 1.7 U	< 3 U	< 3.9 U	< 4.1 U	5.8
Up-Gradient	AA-BW-08A	30	N	04/15/05	< 3.9 U	< 24 U	< 3.1 U	< 4 U	7.8	410	< 6.2 U	< 14 U	426
Up-Gradient	AA-BW-08A	49	N	10/25/07	< 5.6 U	< 130 U	< 4.4 U	< 5.5 U	< 5.5 U	< 580 U	< 12 U	< 6.8 U	361
Up-Gradient	AA-BW-08A	55a	N	01/20/09	< 3.4 U	< 49 U	< 0.78 U	< 1.9 U	< 2.5 U	< 430 U	< 2.1 U	< 1.5 U	243
Up-Gradient	AA-BW-08A	55b	N	04/28/09	< 1.8 UJ	< 160 UJ	< 1 UJ	< 1.5 UJ	< 3.8 UJ	< 1400 UJ	< 7.2 UJ	< 34 UJ	783
Up-Gradient	AA-BW-08A	55b	FD	04/28/09	< 1.1 U	< 110 U	< 0.48 U	< 0.33 U	< 0.64 U	6200 J	< 0.97 U	< 2.5 U	6257
Up-Gradient	AA-BW-09A	30	N	04/16/05	< 3.8 U	< 6.2 U	< 3.8 U	< 3.9 U	< 2.1 U	< 2.8 U	< 11 U	< 7.2 U	7.2
Up-Gradient	AA-BW-09A	49	N	10/29/07	< 3.3 U	< 4.9 U	< 2 U	< 3.4 U	< 2.1 U	< 2.6 U	< 4.4 U	< 4.5 U	6.9
Up-Gradient	AA-BW-09A	55a	N	01/20/09	< 4 U	< 1.3 U	< 1 U	< 2.2 U	< 1.8 U	< 1.9 U	< 8.3 U	< 1.5 U	4
Up-Gradient	AA-BW-09A	55b	N	04/29/09	< 2.6 U	< 1.1 U	< 1.3 U	< 1 U	< 1.6 U	< 0.36 U	< 1.6 U	< 10 U	2.8
Up-Gradient	AA-MW-07	55a	N	01/22/09	< 3.3 U	< 5.2 U	< 2.4 U	< 3.5 U	< 1.9 U	< 3.6 U	< 4.2 U	< 6.1 U	7.6
Up-Gradient	AA-MW-07	55b	N	04/24/09	< 2.2 U	< 2.2 U	< 0.35 U	< 0.76 U	< 1 U	20	< 3.3 U	< 3 U	22.9
Up-Gradient	EC-2	55a	N	01/22/09	< 10 UJ	< 26 UJ	< 6.8 U	< 11 UJ	< 12 U	< 960 U	< 47 U	< 34 U	500
Up-Gradient	EC-2	55b	N	04/24/09	< 6 U	< 79 U	< 5.4 U	< 6.2 U	< 52 U	< 2400 U	< 46 U	< 280 U	1248
Down-Gradient	H-21R	55a	N	01/23/09	< 3.2 U	< 15 UJ	< 2.5 U	< 3.4 U	3.5	< 78 U	1.3	2.8	50
Down-Gradient	H-21R	55b	N	04/16/09	< 3.7 U	< 55 U	< 2.1 U	< 2.5 U	< 3.6 U	< 240 U	< 2.2 U	< 4.7 U	151
Down-Gradient	H-28	55a	N	01/26/09	< 3.2 U	< 4 U	< 2.4 U	< 3.4 U	< 1.8 U	< 2.6 U	< 5.3 U	< 4.7 U	6.4
Down-Gradient	H-28	55b	N	04/22/09	< 2.2 U	< 1.6 U	< 0.71 U	< 1 U	< 2 U	< 0.95 U	< 8.5 U	< 1.2 U	3.4
Down-Gradient	H-43	55a	N	01/27/09	< 2.5 U	< 4.5 U	< 2.5 U	< 2.6 U	< 1.4 U	< 7 U	< 7.8 U	< 5.8 U	8.7
Down-Gradient	H-43	55b	N	04/21/09	< 4.2 U	< 9.7 U	< 3.3 U	< 3.2 U	< 7 U	41	< 5.4 U	< 8.1 U	49.6
Down-Gradient	M7B	55a	N	02/03/09	< 2.1 U	< 2.8 U	< 2.2 U	< 2.2 U	< 1 U	< 1.5 U	< 26 U	< 4 U	4.8
Down-Gradient	M7B	55b	N	04/23/09	< 0.85 U	< 1.4 U	< 0.47 U	< 0.91 U	< 1.9 U	< 1 U	< 2.1 U	< 2 U	3

Note: This table includes all data, regardless of date. Because of this, the total number of analyses does not always coincide with the total number of analyses reported in Tables 3-2a,b,c, which include only 2009 data.
-- = no sample data.

TABLE 3-9
POLYCHLORINATED BIPHENYL (PCB) RESULTS
1ST AND 2ND QUARTER 2009 GROUNDWATER MONITORING EVENTS
CAMU AREA, CLARK COUNTY, NEVADA
(Page 1 of 2)

Location	Well ID	DVSR	Sample Type	Sample Date	PCB 105	PCB 114	PCB 118	PCB 123	PCB 126	PCB 156	PCB 157
				Units	pg/L	pg/L	pg/L	pg/L	pg/L	pg/L	pg/L
				MCL	--	--	--	--	--	--	--
				BCL	--	--	--	--	--	--	--
Cross-Gradient	AA-BW-01A	49	N	10/24/07	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U
Cross-Gradient	AA-BW-02A	49	N	10/29/07	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U
Cross-Gradient	AA-BW-03A	49	N	10/26/07	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U
Down-Gradient	AA-BW-04A	49	N	10/23/07	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 UJ	< 20 U
Down-Gradient	AA-BW-04A	55a	N	01/26/09	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U
Down-Gradient	AA-BW-04A	55a	FD	01/26/09	26	< 20 U	50	< 20 U	< 20 U	< 20 U	< 20 U
Down-Gradient	AA-BW-04A	55b	N	04/20/09	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U
Down-Gradient	AA-BW-04A	55b	FD	04/20/09	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U
Down-Gradient	AA-BW-05A	49	N	10/23/07	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 UJ	< 20 U
Down-Gradient	AA-BW-05A	55a	N	01/23/09	< 20 U	< 20 U	21	< 20 U	< 20 U	< 20 U	< 20 U
Down-Gradient	AA-BW-05A	55b	N	04/21/09	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U
Down-Gradient	AA-BW-06A	49	N	10/23/07	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 UJ	< 20 U
Down-Gradient	AA-BW-06A	55a	N	01/27/09	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U
Down-Gradient	AA-BW-06A	55b	N	04/22/09	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U
Cross-Gradient	AA-BW-07A	49	N	10/23/07	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 UJ	< 20 U
Cross-Gradient	AA-BW-07A	49	FD	10/23/07	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 UJ	< 20 U
Up-Gradient	AA-BW-08A	49	N	10/25/07	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 UJ
Up-Gradient	AA-BW-08A	55a	N	01/20/09	< 20 U	< 20 U	30	< 20 U	< 20 U	< 20 U	< 20 U
Up-Gradient	AA-BW-08A	55b	N	04/28/09	< 20 UJ	< 20 UJ	< 20 UJ	< 20 UJ	< 20 UJ	< 20 UJ	< 20 UJ
Up-Gradient	AA-BW-08A	55b	FD	04/28/09	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U
Up-Gradient	AA-BW-09A	49	N	10/29/07	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U
Up-Gradient	AA-BW-09A	55a	N	01/20/09	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U
Up-Gradient	AA-BW-09A	55b	N	04/29/09	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U
Up-Gradient	AA-MW-07	55a	N	01/22/09	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U
Up-Gradient	AA-MW-07	55b	N	04/24/09	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U
Up-Gradient	EC-2	55a	N	01/22/09	--	--	--	--	--	< 20 U	< 20 U
Up-Gradient	EC-2	55b	N	04/24/09	< 20 UJ	< 20 UJ	< 20 UJ	< 20 UJ	< 20 UJ	< 20 UJ	< 20 UJ
Down-Gradient	H-21R	55a	N	01/23/09	< 20 U	< 20 U	25	< 20 U	< 20 U	< 20 U	< 20 U
Down-Gradient	H-21R	55b	N	04/16/09	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U
Down-Gradient	H-28	55a	N	01/26/09	< 20 U	< 20 U	21	< 20 U	< 20 U	< 20 U	< 20 U
Down-Gradient	H-28	55b	N	04/22/09	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U
Down-Gradient	H-43	55a	N	01/27/09	< 20 U	< 20 U	26	< 20 U	< 20 U	< 20 U	< 20 U
Down-Gradient	H-43	55b	N	04/21/09	< 20 U	< 20 U	< 20 U	< 20 U	< 20 UJ	< 20 U	< 20 U
Down-Gradient	M7B	55a	N	02/03/09	< 20 U	< 20 U	51	< 20 U	< 20 U	< 20 U	< 20 U
Down-Gradient	M7B	55b	N	04/23/09	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U

Note: This table includes all data, regardless of date. Because of this, the total number of analyses does not always coincide with the total number of analyses reported in Tables 3-2a,b,c, which include only 2009 data.
-- = no sample data.

TABLE 3-9
POLYCHLORINATED BIPHENYL (PCB) RESULTS
1ST AND 2ND QUARTER 2009 GROUNDWATER MONITORING EVENTS
CAMU AREA, CLARK COUNTY, NEVADA
(Page 2 of 2)

Location	Well ID	DVSR	Sample Type	Sample Date	PCB 167	PCB 169	PCB 189	PCB 209	PCB 77	PCB 81
				Units	pg/L	pg/L	pg/L	pg/L	pg/L	pg/L
				MCL	--	--	--	--	--	--
				BCL	--	--	--	--	--	--
Cross-Gradient	AA-BW-01A	49	N	10/24/07	< 20 U	< 20 U	< 20 U	--	< 20 U	< 20 U
Cross-Gradient	AA-BW-02A	49	N	10/29/07	< 20 U	< 20 U	< 20 U	--	< 20 U	< 20 U
Cross-Gradient	AA-BW-03A	49	N	10/26/07	< 20 U	< 20 U	< 20 U	--	< 20 U	< 20 U
Down-Gradient	AA-BW-04A	49	N	10/23/07	< 20 U	< 20 U	< 20 U	--	< 20 U	< 20 U
Down-Gradient	AA-BW-04A	55a	N	01/26/09	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U
Down-Gradient	AA-BW-04A	55a	FD	01/26/09	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U
Down-Gradient	AA-BW-04A	55b	N	04/20/09	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U
Down-Gradient	AA-BW-04A	55b	FD	04/20/09	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U
Down-Gradient	AA-BW-05A	49	N	10/23/07	< 20 U	< 20 UJ	< 20 U	--	< 20 U	< 20 U
Down-Gradient	AA-BW-05A	55a	N	01/23/09	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U
Down-Gradient	AA-BW-05A	55b	N	04/21/09	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U
Down-Gradient	AA-BW-06A	49	N	10/23/07	< 20 U	< 20 U	< 20 U	--	< 20 U	< 20 U
Down-Gradient	AA-BW-06A	55a	N	01/27/09	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U
Down-Gradient	AA-BW-06A	55b	N	04/22/09	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U
Cross-Gradient	AA-BW-07A	49	N	10/23/07	< 20 U	< 20 UJ	< 20 U	--	< 20 U	< 20 U
Cross-Gradient	AA-BW-07A	49	FD	10/23/07	< 20 U	< 20 U	< 20 U	--	< 20 U	< 20 U
Up-Gradient	AA-BW-08A	49	N	10/25/07	< 20 U	< 20 U	< 20 U	--	< 20 U	< 20 U
Up-Gradient	AA-BW-08A	55a	N	01/20/09	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U
Up-Gradient	AA-BW-08A	55b	N	04/28/09	< 20 UJ	< 20 UJ	< 20 UJ	< 20 UJ	< 20 UJ	< 20 UJ
Up-Gradient	AA-BW-08A	55b	FD	04/28/09	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U
Up-Gradient	AA-BW-09A	49	N	10/29/07	< 20 U	< 20 U	< 20 U	--	< 20 U	< 20 U
Up-Gradient	AA-BW-09A	55a	N	01/20/09	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U
Up-Gradient	AA-BW-09A	55b	N	04/29/09	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U
Up-Gradient	AA-MW-07	55a	N	01/22/09	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U
Up-Gradient	AA-MW-07	55b	N	04/24/09	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U
Up-Gradient	EC-2	55a	N	01/22/09	< 20 U	< 20 U	< 20 U	< 20 U	--	--
Up-Gradient	EC-2	55b	N	04/24/09	< 20 UJ	< 20 UJ	< 20 UJ	< 20 UJ	< 20 UJ	< 20 UJ
Down-Gradient	H-21R	55a	N	01/23/09	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U
Down-Gradient	H-21R	55b	N	04/16/09	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U
Down-Gradient	H-28	55a	N	01/26/09	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U
Down-Gradient	H-28	55b	N	04/22/09	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U
Down-Gradient	H-43	55a	N	01/27/09	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U
Down-Gradient	H-43	55b	N	04/21/09	< 20 U	< 20 UJ	< 20 UJ	< 20 U	< 20 U	< 20 U
Down-Gradient	M7B	55a	N	02/03/09	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U
Down-Gradient	M7B	55b	N	04/23/09	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U

Note: This table includes all data, regardless of date. Because of this, the total number of analyses does not always coincide with the total number of analyses reported in Tables 3-2a,b,c, which include only 2009 data.
-- = no sample data.

TABLE 3-10
GENERAL CHEMISTRY AND PERCHLORATE RESULTS
1ST AND 2ND QUARTER 2009 GROUNDWATER MONITORING EVENTS
CAMU AREA, CLARK COUNTY, NEVADA
(Page 1 of 2)

Location	Well ID	DVSR	Sample Type	Sample Date	Bromide	Bromine	Chlorate	Chloride	Chlorine	Chlorite	Fluoride
				Units	ug/L	ug/L	ug/L	mg/L	mg/L	ug/L	ug/L
				MCL	--	--	--	--	4	1000	4000
				BCL	--	--	--	--	4	--	4000
Cross-Gradient	AA-BW-01A	30	N	04/21/05	130 J	--	< 100 U	7270	--	--	410
Cross-Gradient	AA-BW-01A	49	N	10/24/07	< 620 U	< 5000 U	< 1000 U	7180	14400	< 1000 U	1900
Cross-Gradient	AA-BW-01A	55a	N	01/19/09	960 J	1900 J	< 47 U	7440	14900	--	1600
Cross-Gradient	AA-BW-01A	55b	N	04/27/09	790 J	1600 J	< 470 U	7340 J-TDS	14700	< 800 U	2000 J-TDS
Cross-Gradient	AA-BW-02A	30	N	04/14/05	140 J	--	< 100 U	299	--	--	180
Cross-Gradient	AA-BW-02A	30	FD	04/14/05	130 J	--	< 100 U	289	--	--	200
Cross-Gradient	AA-BW-02A	49	N	10/29/07	< 620 U	< 5000 U	< 1000 U	5090	10200	< 1000 U	1100
Cross-Gradient	AA-BW-02A	55a	N	01/19/09	930 J	1900 J	< 47 U	4860	9720	--	1000
Cross-Gradient	AA-BW-02A	55a	FD	01/30/09	1100 J	2200 J	< 47 U	4930	9870	--	1000
Cross-Gradient	AA-BW-02A	55b	N	04/27/09	780 J	1600 J	< 47 U	5350 J-TDS	10700	< 800 U	1100 J-TDS
Cross-Gradient	AA-BW-03A	30	N	04/13/05	130 J	--	< 100 U	292 J+	--	--	190
Cross-Gradient	AA-BW-03A	49	N	10/26/07	< 620 U	< 5000 U	< 1000 U	3190	6380	< 400 U	500 J
Cross-Gradient	AA-BW-03A	55a	N	01/21/09	770 J	1500 J	< 47 U	2960	5930	--	570 J
Cross-Gradient	AA-BW-03A	55b	N	04/28/09	640	1300	< 47 U	3000 J-TDS	5990	< 400 U	720 J-TDS
Down-Gradient	AA-BW-04A	30	N	04/19/05	270	--	< 100 U	1380	--	--	640 J-
Down-Gradient	AA-BW-04A	49	N	10/23/07	19400 J+	38900 J+	< 1000 U	10100	20200	< 1000 U	< 250 U
Down-Gradient	AA-BW-04A	55a	N	01/26/09	< 2600 U	< 50000 U	< 470 U	9010	18000	< 400 U	1100
Down-Gradient	AA-BW-04A	55a	FD	01/26/09	< 2600 U	< 50000 U	< 470 U	9440	18900	< 400 U	1100
Down-Gradient	AA-BW-04A	55b	N	04/20/09	< 2600 U	< 50000 U	< 470 U	9710 J-TDS	19400	< 400 U	580 J-TDS
Down-Gradient	AA-BW-04A	55b	FD	04/20/09	< 2600 U	< 50000 U	< 470 U	9510 J-TDS	19000	< 400 U	930 J-TDS
Down-Gradient	AA-BW-05A	30	N	04/19/05	150 J	--	240	727	--	--	160
Down-Gradient	AA-BW-05A	49	N	10/23/07	< 6200 U	< 50000 U	< 1000 U	9110	18200	< 1000 U	750 J
Down-Gradient	AA-BW-05A	55a	N	01/23/09	< 260 U	< 5000 U	< 470 U	12100	24300	--	1100
Down-Gradient	AA-BW-05A	55b	N	04/21/09	< 5200 U	< 100000 U	< 470 U	11000 J-TDS	22000	< 400 U	780 J-TDS
Down-Gradient	AA-BW-06A	30	N	04/19/05	61 J	--	< 100 U	204	--	--	250
Down-Gradient	AA-BW-06A	49	N	10/23/07	< 620 U	< 5000 U	< 1000 U	1460	2930	< 400 U	2800
Down-Gradient	AA-BW-06A	55a	N	01/27/09	1400	2900	< 47 U	2580	5160	< 80 U	2500
Down-Gradient	AA-BW-06A	55b	N	04/22/09	< 260 U	< 5000 U	< 47 U	2160 J-TDS	4310	< 400 U	2500 J-TDS
Cross-Gradient	AA-BW-07A	30	N	04/12/05	1200	--	430	1020	--	--	2100
Cross-Gradient	AA-BW-07A	30	FD	04/12/05	860	--	150 J	1810	--	--	2400
Cross-Gradient	AA-BW-07A	49	N	10/23/07	3300 J+	6500 J+	< 1000 U	1130	2250	< 100 U	2700
Cross-Gradient	AA-BW-07A	49	FD	10/23/07	2200 J+	4400 J+	< 1000 U	1410	2820	< 200 U	2000
Cross-Gradient	AA-BW-07A	55a	N	01/21/09	1500	3000	68 J	1610	3230	--	1900
Cross-Gradient	AA-BW-07A	55b	N	04/23/09	890 J	1800 J	< 47 U	1450 J-TDS	2900	< 40 U	1900 J-TDS
Up-Gradient	AA-BW-08A	30	N	04/15/05	< 2000 U	--	71900	8240	--	--	< 1000 U
Up-Gradient	AA-BW-08A	49	N	10/25/07	< 6200 U	< 50000 U	< 1000 U	9200	18400	< 1000 U	< 250 U
Up-Gradient	AA-BW-08A	55a	N	01/20/09	< 260 U	< 5000 U	< 470 U	10700 J-CAB	21400	--	410 J
Up-Gradient	AA-BW-08A	55b	N	04/28/09	720 J	1400 J	< 470 U	9350 R-CAB&TDS	18700	--	640 R-CAB&TDS
Up-Gradient	AA-BW-08A	55b	FD	04/28/09	< 260 U	< 5000 U	< 470 U	9650 J-TDS	19300	< 2000 U	1000 J-TDS
Up-Gradient	AA-BW-09A	30	N	04/16/05	< 20 U	--	< 100 U	1130 J	--	--	1300
Up-Gradient	AA-BW-09A	49	N	10/29/07	< 6200 U	< 50000 U	< 1000 U	31100	62300	< 4000 U	7000
Up-Gradient	AA-BW-09A	55a	N	01/20/09	< 2600 U	< 50000 U	< 470 U	30900	61700	--	< 100 U
Up-Gradient	AA-BW-09A	55b	N	04/29/09	1100 J	2100 J	< 470 U	30700	61500	< 2000 U	< 100 U
Up-Gradient	AA-MW-07	55a	N	01/22/09	< 260 U	< 5000 U	< 47 U	9790	19600	--	1500
Up-Gradient	AA-MW-07	55b	N	04/24/09	< 2600 U	< 50000 U	< 470 U	9000 J-TDS	18000	R	1500 J-TDS
Up-Gradient	EC-2	55a	N	01/22/09	1100 J	2200 J	< 47 U	6380	12800	--	1400
Up-Gradient	EC-2	55b	N	04/24/09	< 2600 U	< 50000 U	< 470 U	5490 R-CAB&TDS	11000	< 80 UJ	1700 R-CAB&TDS
Down-Gradient	H-21R	55a	N	01/23/09	< 260 U	< 5000 U	92 J	6220	12400	--	< 100 U
Down-Gradient	H-21R	55b	N	04/16/09	< 5200 U	< 100000 U	< 47 U	5940 J-TDS	11900	2100	< 100 U
Down-Gradient	H-28	55a	N	01/26/09	660	1300	< 47 U	3910	7810	< 200 U	1000
Down-Gradient	H-28	55b	N	04/22/09	< 260 U	< 5000 U	< 47 U	4460 J-CAB	8920	< 400 U	920 J-CAB
Down-Gradient	H-43	55a	N	01/27/09	700	1400	< 47 U	1850	3710	< 80 U	2000
Down-Gradient	H-43	55b	N	04/21/09	560	1100	< 47 U	1720 J-TDS	3430	< 400 U	1900 J-TDS
Down-Gradient	M7B	55a	N	02/03/09	1200	2500	11400	3760	7530	< 80 U	520
Down-Gradient	M7B	55b	N	04/23/09	< 5200 U	< 100000 U	12400	4060 J-TDS	8120	< 80 U	510 J-TDS

Note: This table includes all data, regardless of date. Because of this, the total number of analyses does not always coincide with the total number of analyses reported in Tables 3-2a,b,c, which include only 2009 data.
-- = no sample data.

TABLE 3-10
GENERAL CHEMISTRY AND PERCHLORATE RESULTS
1ST AND 2ND QUARTER 2009 GROUNDWATER MONITORING EVENTS
CAMU AREA, CLARK COUNTY, NEVADA
(Page 2 of 2)

Location	Well ID	DVSR	Sample Type	Sample Date	Iodide	Ion Balance Difference	Nitrate	Nitrite	Orthophosphate	Perchlorate	Sulfate
				Units	ug/L	percent	ug/L	ug/L	ug/L	ug/L	mg/L
				MCL	--	--	10000	1000	--	--	--
				BCL	--	--	10000	1000	--	18	--
Cross-Gradient	AA-BW-01A	30	N	04/21/05	650	--	< 10 U	< 6.1 U	320 J	7850	201 J+
Cross-Gradient	AA-BW-01A	49	N	10/24/07	< 3000 U	2.4	< 86 U	< 500 U	< 1600 U	< 34 UJ	1990
Cross-Gradient	AA-BW-01A	55a	N	01/19/09	< 3000 U	1	< 50 U	< 300 U	< 500 U	< 500 U	1900
Cross-Gradient	AA-BW-01A	55b	N	04/27/09	< 3000 U	3.2	140 J-TDS	< 300 UJ	< 500 UJ	52.4 J-TDS	1860 J-TDS
Cross-Gradient	AA-BW-02A	30	N	04/14/05	610 J-	--	< 4 U	< 4 U	< 50 U	7620	101
Cross-Gradient	AA-BW-02A	30	FD	04/14/05	610 J-	--	< 4 U	< 4 U	190 J	7470	101000
Cross-Gradient	AA-BW-02A	49	N	10/29/07	< 3000 UJ	4.3	< 86 U	R	157000 J	< 68 UJ	1370
Cross-Gradient	AA-BW-02A	55a	N	01/19/09	< 3000 U	1	< 5 U	< 300 U	< 500 U	< 200 U	1260
Cross-Gradient	AA-BW-02A	55a	FD	01/30/09	< 3000 U	1.9	< 5 U	< 300 U	< 500 U	< 200 U	1270
Cross-Gradient	AA-BW-02A	55b	N	04/27/09	< 300 U	2.2	< 5 UJ	< 600 UJ	< 500 UJ	< 10 U	1310 J-TDS
Cross-Gradient	AA-BW-03A	30	N	04/13/05	640 J-	--	< 4 U	< 4 U	< 50 U	1920	115 J+
Cross-Gradient	AA-BW-03A	49	N	10/26/07	< 600 UJ	2.2	< 86 U	R	< 1600 U	< 34 U	1090
Cross-Gradient	AA-BW-03A	55a	N	01/21/09	< 300 U	4.4	< 5 U	< 300 U	< 50 U	< 20 U	1080
Cross-Gradient	AA-BW-03A	55b	N	04/28/09	< 300 U	0.91	11 J-TDS	< 600 U	< 50 U	< 10 U	1080 J-TDS
Down-Gradient	AA-BW-04A	30	N	04/19/05	750	--	< 10 U	< 6.1 U	160 J	1400	395
Down-Gradient	AA-BW-04A	49	N	10/23/07	< 300 UJ	1.7	< 86 UJ	< 500 UJ	< 1600 UJ	< 17 U	2470
Down-Gradient	AA-BW-04A	55a	N	01/26/09	< 3000 U	4	< 50 U	< 3000 U	410	< 20 U	2250
Down-Gradient	AA-BW-04A	55a	FD	01/26/09	< 3000 U	3.4	< 50 U	< 3000 U	390	< 20 U	2210
Down-Gradient	AA-BW-04A	55b	N	04/20/09	< 3000 U	4	< 50 U	< 1500 U	< 500 U	< 10 U	2540 J-TDS
Down-Gradient	AA-BW-04A	55b	FD	04/20/09	3700 J	2.7	< 50 U	< 1500 U	< 500 U	< 10 U	2530 J-TDS
Down-Gradient	AA-BW-05A	30	N	04/19/05	2100	--	< 10 U	< 6.1 U	130 J	907	237
Down-Gradient	AA-BW-05A	49	N	10/23/07	22100 J+	4.7	< 86 UJ	< 5000 UJ	< 1600 UJ	< 17 U	3420
Down-Gradient	AA-BW-05A	55a	N	01/23/09	15900	1.5	< 50 U	< 6000 U	710 J	< 500 U	4320
Down-Gradient	AA-BW-05A	55b	N	04/21/09	29200	1.5	< 50 U	< 1500 U	< 500 U	< 10 U	4360 J-TDS
Down-Gradient	AA-BW-06A	30	N	04/19/05	9500	--	< 10 U	< 6.1 U	150 J	1180	91.3
Down-Gradient	AA-BW-06A	49	N	10/23/07	40500 J+	1.2	< 86 UJ	< 500 UJ	< 1600 UJ	< 68 UJ	837
Down-Gradient	AA-BW-06A	55a	N	01/27/09	44700	3.2	< 5 U	< 300 U	< 50 U	< 10 U	1070
Down-Gradient	AA-BW-06A	55b	N	04/22/09	46800	2.6	< 5 U	< 600 U	620	< 5 U	1110 J-TDS
Cross-Gradient	AA-BW-07A	30	N	04/12/05	5500 J-	--	1300	< 40 U	490 J	329	883
Cross-Gradient	AA-BW-07A	30	FD	04/12/05	5600 J-	--	940	< 40 U	140 J	86.2	1630
Cross-Gradient	AA-BW-07A	49	N	10/23/07	40900 J+	0.26	700 J-	< 500 UJ	< 1600 UJ	69.2	912
Cross-Gradient	AA-BW-07A	49	FD	10/23/07	43000 J+	1.6	570 J-	< 500 UJ	< 1600 UJ	69.1	900
Cross-Gradient	AA-BW-07A	55a	N	01/21/09	34000	0.2	740	< 300 U	210 J	66	1030
Cross-Gradient	AA-BW-07A	55b	N	04/23/09	33500	0.73	320 J-TDS	< 600 U	< 50 U	44 J-TDS	1010 J-TDS
Up-Gradient	AA-BW-08A	30	N	04/15/05	< 33 U	--	< 400 U	< 400 U	< 5000 UJ-	983	3770
Up-Gradient	AA-BW-08A	49	N	10/25/07	< 3000 UJ	0.69	< 86 UJ	R	< 1600 UJ	< 34 U	2100
Up-Gradient	AA-BW-08A	55a	N	01/20/09	< 3000 U	7.3	< 50 U	< 6000 U	< 500 U	< 50 U	2170 J-CAB
Up-Gradient	AA-BW-08A	55b	N	04/28/09	< 3000 U	6.2	< 50 U	< 300 U	< 500 U	27.3 R-CAB&TDS	2120 R-CAB&TDS
Up-Gradient	AA-BW-08A	55b	FD	04/28/09	< 3000 U	3.7	< 50 UJ	< 300 UJ	< 500 UJ	17.8 J-TDS	2160 J-TDS
Up-Gradient	AA-BW-09A	30	N	04/16/05	< 330 U	--	< 4 UJ-	< 400 UJ-	< 50 UJ-	20300	451
Up-Gradient	AA-BW-09A	49	N	10/29/07	< 15000 U	2.2	< 86 U	R	< 1600 UJ	< 170 UJ	4540
Up-Gradient	AA-BW-09A	55a	N	01/20/09	< 30000 U	0.2	< 50 U	< 6000 U	< 500 U	313 J	4380
Up-Gradient	AA-BW-09A	55b	N	04/29/09	< 3000 U	0.22	< 50 U	< 600 U	< 500 U	247	4740
Up-Gradient	AA-MW-07	55a	N	01/22/09	< 3000 U	1.5	< 50 U	< 300 U	< 500 UJ	< 50 U	2220
Up-Gradient	AA-MW-07	55b	N	04/24/09	< 3000 U	1.3	< 50 U	< 300 U	< 500 U	--	2740 J-TDS
Up-Gradient	EC-2	55a	N	01/22/09	< 3000 U	0.4	< 50 U	< 300 U	< 50 UJ	< 50 U	1590
Up-Gradient	EC-2	55b	N	04/24/09	< 3000 U	8.7	< 50 U	< 300 U	< 500 U	--	1650 R-CAB&TDS
Down-Gradient	H-21R	55a	N	01/23/09	183000	3.8	< 50 U	< 300 U	430 J	< 50 U	1820
Down-Gradient	H-21R	55b	N	04/16/09	156000 J	3.8	< 5 U	< 6000 U	< 50 U	< 20 U	1720 J-TDS
Down-Gradient	H-28	55a	N	01/26/09	< 300 U	1.6	< 50 U	< 300 U	< 50 U	< 10 U	1300
Down-Gradient	H-28	55b	N	04/22/09	< 3000 U	6.1	< 5 U	< 600 U	< 50 U	< 10 U	1280 J-CAB
Down-Gradient	H-43	55a	N	01/27/09	21200	2.4	18	< 300 U	< 50 U	< 10 U	965
Down-Gradient	H-43	55b	N	04/21/09	23200	1.8	< 5 U	< 600 U	< 50 U	< 1 U	972 J-TDS
Down-Gradient	M7B	55a	N	02/03/09	< 3000 U	1.6	1600	< 300 U	190	52000	1570
Down-Gradient	M7B	55b	N	04/23/09	< 300 U	3.1	1900 J-TDS	< 600 U	< 50 U	56500 J-TDS	1580 J-TDS

Note: This table includes all data, regardless of date. Because of this, the total number of analyses does not always coincide with the total number of analyses reported in Tables 3-2a,b,c, which include only 2009 data.
-- = no sample data.

TABLE 3-11
GENERAL WATER QUALITY RESULTS
1ST AND 2ND QUARTER 2009 GROUNDWATER MONITORING EVENTS
CAMU AREA, CLARK COUNTY, NEVADA

Location	Well ID	DVSR	Sample Type	Sample Date	Bicarbonate alkalinity	Carbonate alkalinity	Hardness, Total	Hydroxide alkalinity	Total Alkalinity	Total Dissolved Solids
				Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
				MCL	--	--	--	--	--	500
				BCL	--	--	--	--	--	--
Cross-Gradient	AA-BW-01A	30	N	04/21/05	237 J-	< 1.8 U	264	< 1.2 U	237 J-	12900 J-
Cross-Gradient	AA-BW-01A	49	N	10/24/07	193	< 0.85 U	5780	< 0.85 U	193	19400 J-
Cross-Gradient	AA-BW-01A	55a	N	01/19/09	--	--	6800	--	--	14100 J-
Cross-Gradient	AA-BW-01A	55b	N	04/27/09	205 J-TDS	< 0.31 U	6650	< 0.31 U	205 J-TDS	10300 J-TDS
Cross-Gradient	AA-BW-02A	30	N	04/14/05	194	< 1.8 U	772	< 1.2 U	194	7700
Cross-Gradient	AA-BW-02A	30	FD	04/14/05	196	< 1.8 U	764	< 1.2 U	196	7760
Cross-Gradient	AA-BW-02A	49	N	10/29/07	158	< 0.85 U	3550	< 0.85 U	158	11900 J-
Cross-Gradient	AA-BW-02A	55a	N	01/19/09	--	--	4550	--	--	10100 J-
Cross-Gradient	AA-BW-02A	55a	FD	01/30/09	--	--	4680	--	--	10400 J-
Cross-Gradient	AA-BW-02A	55b	N	04/27/09	162 J-TDS	< 0.31 U	4450	< 0.31 U	162 J-TDS	6900 J-TDS
Cross-Gradient	AA-BW-03A	30	N	04/13/05	159	< 1.8 U	500	< 1.2 U	159	5410
Cross-Gradient	AA-BW-03A	49	N	10/26/07	168	< 0.85 U	2190	< 0.85 U	168	7160 J-
Cross-Gradient	AA-BW-03A	55a	N	01/21/09	--	--	2790	--	--	6660
Cross-Gradient	AA-BW-03A	55b	N	04/28/09	119 J-TDS	< 0.31 U	2740	< 0.31 U	119 J-TDS	3400 J-TDS
Down-Gradient	AA-BW-04A	30	N	04/19/05	492	< 1.8 U	308	< 1.2 U	492	29600
Down-Gradient	AA-BW-04A	49	N	10/23/07	484	< 1.7 U	2120	< 1.7 U	484	22900 J-
Down-Gradient	AA-BW-04A	55a	N	01/26/09	--	--	2610	--	--	13200
Down-Gradient	AA-BW-04A	55a	FD	01/26/09	--	--	2670	--	--	13400
Down-Gradient	AA-BW-04A	55b	N	04/20/09	545 J-TDS	< 1.5 U	2590	< 0.31 U	545 J-TDS	15900 J-TDS
Down-Gradient	AA-BW-04A	55b	FD	04/20/09	412 J-TDS	< 0.61 U	2610	< 0.31 U	412 J-TDS	15800 J-TDS
Down-Gradient	AA-BW-05A	30	N	04/19/05	442	< 1.8 U	208	< 1.2 U	442	14800
Down-Gradient	AA-BW-05A	49	N	10/23/07	788	< 1.7 U	2050	< 1.7 U	788	25100 J-
Down-Gradient	AA-BW-05A	55a	N	01/23/09	--	--	2790	--	--	20100
Down-Gradient	AA-BW-05A	55b	N	04/21/09	750 J-TDS	< 1.5 U	2700	< 0.31 U	750 J-TDS	21500 J-TDS
Down-Gradient	AA-BW-06A	30	N	04/19/05	382	< 1.8 U	840	< 1.2 U	382	3990
Down-Gradient	AA-BW-06A	49	N	10/23/07	233	< 0.85 U	1020	< 0.85 U	233	4700 J-
Down-Gradient	AA-BW-06A	55a	N	01/27/09	--	--	1710	--	--	3600
Down-Gradient	AA-BW-06A	55b	N	04/22/09	240 J-TDS	< 0.31 U	747	< 0.31 U	240 J-TDS	4870 J-TDS
Cross-Gradient	AA-BW-07A	30	N	04/12/05	371	< 1.8 U	844	< 1.2 U	371	2820
Cross-Gradient	AA-BW-07A	30	FD	04/12/05	210	< 1.8 U	836	< 1.2 U	210	2780
Cross-Gradient	AA-BW-07A	49	N	10/23/07	189	< 0.85 U	960	< 0.85 U	189	4400 J-
Cross-Gradient	AA-BW-07A	49	FD	10/23/07	169	< 0.85 U	1100	< 0.85 U	169	4500 J-
Cross-Gradient	AA-BW-07A	55a	N	01/21/09	--	--	1470	--	--	4030
Cross-Gradient	AA-BW-07A	55b	N	04/23/09	193 J-TDS	< 0.31 U	1290	< 0.31 U	193 J-TDS	3160 J-TDS
Up-Gradient	AA-BW-08A	30	N	04/15/05	542	< 1.8 U	292	< 1.2 U	542	38200
Up-Gradient	AA-BW-08A	49	N	10/25/07	327	< 0.85 U	1880	< 0.85 U	327	22800 J-
Up-Gradient	AA-BW-08A	55a	N	01/20/09	--	--	2310	--	--	17800 J-
Up-Gradient	AA-BW-08A	55b	N	04/28/09	347 R-CAB&TDS	< 0.31 U	2560	< 0.31 U	347 R-CAB&TDS	15000 R-CAB&TDS
Up-Gradient	AA-BW-08A	55b	FD	04/28/09	331 J-TDS	< 0.31 U	861	< 0.31 U	331 J-TDS	15400 J-TDS
Up-Gradient	AA-BW-09A	30	N	04/16/05	376	< 1.8 U	520	< 1.2 U	376	43500 J-
Up-Gradient	AA-BW-09A	49	N	10/29/07	386	< 0.85 U	9150	< 0.85 U	386	60000 J-
Up-Gradient	AA-BW-09A	55a	N	01/20/09	--	--	13000	--	--	54900 J-
Up-Gradient	AA-BW-09A	55b	N	04/29/09	520	< 0.31 U	12200	< 0.31 U	520	57500
Up-Gradient	AA-MW-07	55a	N	01/22/09	--	--	5420	--	--	18600
Up-Gradient	AA-MW-07	55b	N	04/24/09	181 J-TDS	< 0.31 U	5260	< 0.31 U	181 J-TDS	14400 J-TDS
Up-Gradient	EC-2	55a	N	01/22/09	--	--	2400	--	--	12800
Up-Gradient	EC-2	55b	N	04/24/09	336 R-CAB&TDS	< 0.31 U	2440	< 0.31 U	336 R-CAB&TDS	10500 R-CAB&TDS
Down-Gradient	H-21R	55a	N	01/23/09	--	--	1940	--	--	8600
Down-Gradient	H-21R	55b	N	04/16/09	840 J-TDS	< 1.5 U	2060 J	< 0.31 U	840 J-TDS	11400 J-TDS
Down-Gradient	H-28	55a	N	01/26/09	--	--	3810	--	--	4900
Down-Gradient	H-28	55b	N	04/22/09	220 J-CAB	< 0.31 U	3650	< 0.31 U	220 J-CAB	8850 J-CAB
Down-Gradient	H-43	55a	N	01/27/09	--	--	1330	--	--	2800
Down-Gradient	H-43	55b	N	04/21/09	314 J-TDS	< 0.31 U	1340	< 0.31 U	314 J-TDS	4090 J-TDS
Down-Gradient	M7B	55a	N	02/03/09	--	--	3400	--	--	6000
Down-Gradient	M7B	55b	N	04/23/09	94 J-TDS	< 0.31 U	3260	< 0.31 U	94 J-TDS	7210 J-TDS

Note: This table includes all data, regardless of date. Because of this, the total number of analyses does not always coincide with the total number of analyses reported in Tables 3-2a,b,c, which include only 2009 data.
-- = no sample data.

TABLE 3-12
RADIONUCLIDE RESULTS
1ST AND 2ND QUARTER 2009 GROUNDWATER MONITORING EVENTS
CAMU AREA, CLARK COUNTY, NEVADA

Location	Well ID	DVSR	Sample Type	Sample Date	Radium-226	Radium-226/228	Radium-228	Radon-222	Thorium-228	Thorium-230	Thorium-232	Uranium-233/234	Uranium-235/236	Uranium-238
				Units	pCi/L	pCi/L	pCi/L	pCi/L	pCi/L	pCi/L	pCi/L	pCi/L	pCi/L	pCi/L
				MCL	--	5	--	4000	--	--	--	--	--	--
				BCL	--	--	--	300	--	--	--	--	--	--
Cross-Gradient	AA-BW-01A	30	N	04/21/05	0.84	1.54	0.7	--	0.07 U	0.14 U	0.002 U	14.7	0.5	10.8
Cross-Gradient	AA-BW-01A	49	N	10/24/07	0.742 J	2.31	1.57	--	-0.0219 U	0.0427 U	0 U	11.4	0.431	8.83
Cross-Gradient	AA-BW-01A	55a	N	01/19/09	2.95	5.04	2.09 J	290	0.0337 U	0.0358 U	-0.019 U	9.87	0.708	9.63 J
Cross-Gradient	AA-BW-01A	55b	N	04/27/09	1.68	4.41	2.73	313	--	--	--	--	--	--
Cross-Gradient	AA-BW-02A	30	N	04/14/05	0.6	1.81	1.21	--	0.021 U	0.15 U	-0.004 U	28.1	1.16	20.5
Cross-Gradient	AA-BW-02A	30	FD	04/14/05	0.54	1.82	1.28	--	0.51	0.077 U	0.05 U	27.9	0.76	20
Cross-Gradient	AA-BW-02A	49	N	10/29/07	0.431 J	1.56	1.13 J	--	0.0838 U	0.0586 U	0 U	23.4	0.736	17.6
Cross-Gradient	AA-BW-02A	55a	N	01/19/09	1.98	3.55	1.57 J	545	-0.162 U	0.118 U	-0.0672 U	25.5	1.47	16.6 J
Cross-Gradient	AA-BW-02A	55a	FD	01/30/09	1.42	2.75	1.33 J	533	-0.0748 U	0.0634 U	-0.019 U	23.5	1.55	19.2 J
Cross-Gradient	AA-BW-02A	55b	N	04/27/09	2.45	4.34	1.89	517	--	--	--	--	--	--
Cross-Gradient	AA-BW-03A	30	N	04/13/05	0.59	1.67	1.08	--	0.1 U	0.23 U	0.06 U	29.6	0.95	22.1
Cross-Gradient	AA-BW-03A	49	N	10/26/07	0.659 J	1.8	1.14 J	--	0.0376 U	0.416 J	0 U	29.5	0.651	19.5
Cross-Gradient	AA-BW-03A	55a	N	01/21/09	4.6	7.26	2.66	251	-0.229 U	-0.19 U	0.115 U	27.2	1.86	20.4 J
Cross-Gradient	AA-BW-03A	55b	N	04/28/09	1.72	3.99	2.27	306	--	--	--	--	--	--
Down-Gradient	AA-BW-04A	30	N	04/19/05	0.74	2.45	1.71	--	0.17 U	0.19 U	-0.014 U	25	1.13	17.7
Down-Gradient	AA-BW-04A	49	N	10/23/07	0.144 J	0.85	0.702	--	-0.0479 U	0.0776 U	0 U	11.7	0.349	9.24
Down-Gradient	AA-BW-04A	55a	N	01/26/09	8.15	8.72	0.573	340	-0.208 U	0.162 U	-0.0332 U	10	0.785	8.75 J
Down-Gradient	AA-BW-04A	55a	FD	01/26/09	9.68	10.9	1.21	275	0.00794 U	0.3	0.0881 U	10.8	1.36	8.45 J
Down-Gradient	AA-BW-04A	55b	N	04/20/09	0.346 U	3.79	3.44 J	273	--	--	--	--	--	--
Down-Gradient	AA-BW-04A	55b	FD	04/20/09	0.173 U	1.34	1.17 J	228	--	--	--	--	--	--
Down-Gradient	AA-BW-05A	30	N	04/19/05	0.68	1.96	1.28	--	0.009 U	0.067 U	-0.012 U	4.47	0.14	3.08
Down-Gradient	AA-BW-05A	49	N	10/23/07	0.351 J	1.41	1.06	--	0.0594 U	-0.0145 U	0 U	6.07	0.0944 U	4.37
Down-Gradient	AA-BW-05A	55a	N	01/23/09	2.36	4.4	2.04	66.4 U	-0.00179 U	0.205	-0.0351 U	6.1	0.381 U	4.44 J
Down-Gradient	AA-BW-05A	55b	N	04/21/09	0.979	2.52	1.54	16.5 U	--	--	--	--	--	--
Down-Gradient	AA-BW-06A	30	N	04/19/05	0.29	0.56	0.27 U	--	0.15 U	0.52 U	0.03 U	4.52	0.17 U	3.25
Down-Gradient	AA-BW-06A	49	N	10/23/07	0.12 J	0.91	0.785	--	0.077 U	0.0416 U	0 U	0.745 J	-0.0141 U	0.872 J
Down-Gradient	AA-BW-06A	55a	N	01/27/09	0.411 U	1.03	0.623	766	0.299 U	0.291 U	-0.0164 U	1 U	0.175 U	0.435
Down-Gradient	AA-BW-06A	55b	N	04/22/09	0.227 U	1.23	1 U	726	--	--	--	--	--	--
Cross-Gradient	AA-BW-07A	30	N	04/12/05	0.43	0.93	0.5 U	--	0.11 U	0.09 U	0.017 U	8	0.27	4.81
Cross-Gradient	AA-BW-07A	30	FD	04/12/05	0.2 U	0.68	0.48 U	--	0.11 U	0.077 U	0.013 U	6.96	0.27	4.4
Cross-Gradient	AA-BW-07A	49	N	10/23/07	0.163 J	0.63	0.466 U	--	-0.0101 U	0.0196 U	0 U	6.66	0.308 J	4.51
Cross-Gradient	AA-BW-07A	49	FD	10/23/07	0.0549 U	0.31	0.255 U	--	0.0274 U	0.0355 U	0.0444 U	6.43	0.153 UJ	4.24
Cross-Gradient	AA-BW-07A	55a	N	01/21/09	1 U	1.45	0.451 U	867	0.158 U	-0.0787 U	-0.0673 U	10.7	1.1	6.52 J
Cross-Gradient	AA-BW-07A	55b	N	04/23/09	0.915	1.47	0.554 U	926	--	--	--	--	--	--
Up-Gradient	AA-BW-08A	30	N	04/15/05	0.1 U	1.38	1.28	--	-0.04 U	0.03 U	0.002 U	11	0.33	8
Up-Gradient	AA-BW-08A	49	N	10/25/07	0.025 U	0.93	0.907 J	--	0.0541 U	0.0527 U	0 U	4.34	0.0552 U	2.96
Up-Gradient	AA-BW-08A	55a	N	01/20/09	1.33	2.29	0.962 J	408	-0.0798 U	0.132 U	0.159 U	4.26	0.213 U	3.45 J
Up-Gradient	AA-BW-08A	55b	N	04/28/09	3.41 J	4.02	0.612 U	513	--	--	--	--	--	--
Up-Gradient	AA-BW-08A	55b	FD	04/28/09	0.818 J	1.52	0.703 U	486	--	--	--	--	--	--
Up-Gradient	AA-BW-09A	30	N	04/16/05	-0.06 U	2.49	2.55	--	0.23	0.37 U	-0.005 U	92	3.81	67.1
Up-Gradient	AA-BW-09A	49	N	10/29/07	--	--	--	--	0.117 U	0.114 U	0 U	123	3.05	84.3
Up-Gradient	AA-BW-09A	55a	N	01/20/09	1.33	10.8	9.51 J	67.8	0.0149 U	0.0229 U	-0.0865 U	156	5.57	106 J
Up-Gradient	AA-BW-09A	55b	N	04/29/09	1.54	11.9	10.4 J+	164	--	--	--	--	--	--
Up-Gradient	AA-MW-07	55a	N	01/22/09	1.73	4.92	3.19	114	-0.145 U	0.153 U	0.181 U	6.92	0.425	4.53 J
Up-Gradient	EC-2	55a	N	01/22/09	1 U	2.33	1.33	565	-0.12 U	0.135 U	0.129 U	1.3	0.0647 U	1.18 J
Down-Gradient	H-21R	55a	N	01/23/09	1 U	2.07	1.07	674	0.195 U	0.183 U	-0.00384 U	1.98	0.247 U	1.65 J
Down-Gradient	H-21R	55b	N	04/16/09	1 U	1.97	0.97	708	--	--	--	--	--	--
Down-Gradient	H-28	55a	N	01/26/09	6.21	7.36	1.15	499	-0.0182 U	0.349	0.0397 U	29.8	1.45	23.2 J
Down-Gradient	H-28	55b	N	04/22/09	0.779	1.78	1 U	710	--	--	--	--	--	--
Down-Gradient	H-43	55a	N	01/27/09	0.299 U	0.45	0.15 U	449	-0.0853 U	0.222 U	0.0565 U	-0.03 U	0.0754 U	0.299
Down-Gradient	H-43	55b	N	04/21/09	0.169 U	0.54	0.37 U	434	--	--	--	--	--	--
Down-Gradient	M7B	55a	N	02/03/09	0.436	1.71	1.27	257	-0.034 U	0.091 U	0.0834 U	15.7	0.527	13.2
Down-Gradient	M7B	55b	N	04/23/09	1.39	2.68	1.29	273	--	--	--	--	--	--

Note: This table includes all data, regardless of date. Because of this, the total number of analyses does not always coincide with the total number of analyses reported in Tables 3-2a,b,c, which include only 2009 data.
-- = no sample data.

TABLE 3-13
METHYL MERCURY AND WHITE PHOSPHORUS RESULTS
1ST AND 2ND QUARTER 2009 GROUNDWATER MONITORING EVENTS
CAMU AREA, CLARK COUNTY, NEVADA
(Page 1 of 1)

Location	Well ID	DVSR	Sample Type	Sample Date	Methyl mercury	White phosphorus
				Units	ng/L	ug/L
				MCL	--	--
				BCL	3.7	0.73
Cross-Gradient	AA-BW-01A	55a	N	01/19/09	0.028 J	< 0.023 U
Cross-Gradient	AA-BW-01A	55b	N	04/27/09	0.046 J	< 0.05 U
Cross-Gradient	AA-BW-02A	55a	N	01/19/09	< 0.02 U	< 0.023 U
Cross-Gradient	AA-BW-02A	55a	FD	01/30/09	< 0.02 U	< 0.023 U
Cross-Gradient	AA-BW-02A	55b	N	04/27/09	< 0.021 U	< 0.05 U
Cross-Gradient	AA-BW-03A	55a	N	01/21/09	< 0.02 U	< 0.023 U
Cross-Gradient	AA-BW-03A	55b	N	04/28/09	< 0.02 U	< 0.05 U
Down-Gradient	AA-BW-04A	55a	N	01/26/09	0.693	< 0.023 U
Down-Gradient	AA-BW-04A	55a	FD	01/26/09	0.978	< 0.023 U
Down-Gradient	AA-BW-04A	55b	N	04/20/09	1.41	< 0.05 U
Down-Gradient	AA-BW-04A	55b	FD	04/20/09	1.24	< 0.05 U
Down-Gradient	AA-BW-05A	55a	N	01/23/09	< 0.02 U	< 0.023 U
Down-Gradient	AA-BW-05A	55b	N	04/21/09	0.036 J	< 0.05 U
Down-Gradient	AA-BW-06A	55a	N	01/27/09	< 0.02 U	< 0.023 U
Down-Gradient	AA-BW-06A	55b	N	04/22/09	< 0.02 U	< 0.05 U
Up-Gradient	AA-BW-08A	55a	N	01/20/09	0.192	< 0.023 U
Up-Gradient	AA-BW-08A	55b	N	04/28/09	0.328	< 0.05 U
Up-Gradient	AA-BW-08A	55b	FD	04/28/09	0.237	< 0.05 U
Up-Gradient	AA-BW-09A	55a	N	01/20/09	< 0.02 U	< 0.023 U
Up-Gradient	AA-BW-09A	55b	N	04/29/09	< 0.02 U	< 0.05 U
Up-Gradient	AA-MW-07	55a	N	01/22/09	0.204	< 0.023 U
Up-Gradient	AA-MW-07	55b	N	04/24/09	0.035 J	< 0.05 U
Up-Gradient	EC-2	55a	N	01/22/09	< 0.02 U	< 0.023 U
Up-Gradient	EC-2	55b	N	04/24/09	< 0.02 U	< 0.05 U
Down-Gradient	H-21R	55a	N	01/23/09	0.052	< 0.023 U
Down-Gradient	H-21R	55b	N	04/16/09	0.165	< 0.05 U
Down-Gradient	H-28	55a	N	01/26/09	< 0.02 U	< 0.023 U
Down-Gradient	H-28	55b	N	04/22/09	< 0.02 U	< 0.05 U
Down-Gradient	H-43	55a	N	01/27/09	< 0.02 U	< 0.023 U
Down-Gradient	H-43	55b	N	04/21/09	< 0.02 U	< 0.05 U
Down-Gradient	M7B	55a	N	02/03/09	< 0.02 U	< 0.023 U
Down-Gradient	M7B	55b	N	04/23/09	< 0.02 U	< 0.05 U

Note: This table includes all data, regardless of date. Because of this, the total number of analyses does not always coincide with the total number of analyses reported in Tables 3-2a,b,c, which include only 2009 data.
-- = no sample data.

TABLE 3-14
CATION-ANION BALANCES - 2ND QUARTER CAMU GROUNDWATER EVENT - APRIL 2009
1ST AND 2ND QUARTER 2009 GROUNDWATER MONITORING EVENTS
CAMU AREA, CLARK COUNTY, NEVADA
(Page 1 of 3)

		Major Ion Chemistry Data Input										
Well	pH	Ca Calcium (mg/l)	Mg Magnesium (mg/l)	Na Sodium (mg/l)	K Potassium (mg/l)	HCO_3 Bicarbonate alkalinity (mg/l)	CO_3 Carbonate alkalinity (mg/l)	SO_4 Sulfate (mg/l)	Cl Chloride (mg/l)	F Fluoride (mg/l)	NO_3 Nitrate (as N) (mg/l)	ClO_4 Perchlorate (mg/l)
AA-BW-01A	6.38	964	1030	3020	31.5	205	ND	1860	7340	2.0	0.14	0.0524
AA-BW-02A	6.44	690	662	1910	21.6	162	ND	1310	5350	1.1	ND	ND
AA-BW-03A	6.85	459	386	1270	16.4	119	ND	1080	3000	0.72	0.011	ND
AA-BW-04A	7.45	357	412	5900	45.4	545	ND	2540	9710	0.58	ND	ND
AA-BW-04A (FD)	7.45	359	415	5900	44.9	412	ND	2530	9510	0.93	ND	ND
AA-BW-05A	6.67	377	428	8500	77.8	750	ND	4360	11000	0.78	ND	ND
AA-BW-06A	7.23	299	189	1190	32	240	ND	1110	2160	2.5	ND	ND
AA-BW-07A	6.55	300	132	856	22.8	193	ND	1010	1450	1.9	0.32	0.044
AA-BW-08A	6.83	351	409	6950	37	347	ND	2120	9350	0.64	ND	0.0273
AA-BW-08A (FD)	6.83	345	400	6800	36.8	331	ND	2160	9650	1.0	ND	0.0178
AA-BW-09A	6.34	1560	2020	16800	95.8	520	ND	4740	30700	0.050	ND	0.247
AA-MW-07	4.92	835	770	4960	36.6	181	ND	2740	9000	1.5	ND	ND
EC-2	6.65	403	348	4180	33	336	ND	1650	5490	1.7	ND	ND
H-21R	7	236	357	4400	40.1	840	ND	1720	5940	0.050	ND	ND
H-28	7.01	559	548	1470	18.7	220	ND	1280	4460	0.92	ND	ND
H-43	5.59	233	183	1120	25.3	314	ND	972	1720	1.9	ND	ND
M7B	6.8	616	417	1680	28	94	ND	1580	4060	0.51	1.9	56.5

		TDS and Temperature		Density
Well	pH	Temperature Measured ˚C	TDS Measured (mg/L)	Calculated Density (kg/L)
AA-BW-09A	6.34	23.48	57500	1.041

ND - not detected
NA - not applicable
mg/L - Milligrams per Liter
Cat - Cation
An - Anion
(FD) = Field Duplicate
(1) For samples with anion sum > 800 meq/L, see secondary table (beneath main table) for Charge Balance Error Calculations.
Qualifiers:
J-CAB: Cation-anion balance does not pass. TDS measured/sum and/or TDS:EC ratio checks pass.
J-TDS: TDS measured/sum and/or TDS:EC ratio checks do not pass; Cation-anion balance check does pass
R-CAB&TDS: Cation-anion balance check does not pass; TDS measured/sum and/or TDS:EC ratio check do not pass

TABLE 3-14
CATION-ANION BALANCES - 2ND QUARTER CAMU GROUNDWATER EVENT - APRIL 2009
1ST AND 2ND QUARTER 2009 GROUNDWATER MONITORING EVENTS
CAMU AREA, CLARK COUNTY, NEVADA
(Page 2 of 3)

		meq/l Calculations										
		Ca	Mg	Na	K	HCO_3	CO_3	SO_4	Cl	F	NO_3	ClO_4
		20.039	12.153	22.969	39.0983	61.016	30.004	48.031	35.453	18.998	62.004	99.449
		(mg/meq)	(mg/meq)	(mg/meq)	(mg/meq)	(mg/meq)	(mg/meq)	(mg/meq)	(mg/meq)	(mg/meq)	(mg/meq)	(mg/meq)
Well	**pH**	(meq/l)	(meq/l)	(meq/l)	(meq/l)	(meq/l)	(meq/l)	(meq/l)	(meq/l)	(meq/l)	(meq/l)	(meq/l)
AA-BW-01A	6.38	48.1	84.8	131	0.806	3.36	NA	38.7	207	0.11	0.0023	0.000527
AA-BW-02A	6.44	34.4	54.5	83.2	0.552	2.66	NA	27.3	151	0.058	NA	NA
AA-BW-03A	6.85	22.9	31.8	55.3	0.419	1.95	NA	22.5	84.6	0.038	0.00018	NA
AA-BW-04A	7.45	17.8	33.9	257	1.16	8.93	NA	52.9	274	0.031	NA	NA
AA-BW-04A (FD)	7.45	17.9	34.1	257	1.15	6.75	NA	52.7	268	0.049	NA	NA
AA-BW-05A	6.67	18.8	35.2	370	1.99	12.3	NA	90.8	310	0.041	NA	NA
AA-BW-06A	7.23	14.9	15.6	51.8	0.818	3.93	NA	23.1	60.9	0.13	NA	NA
AA-BW-07A	6.55	15.0	10.9	37.3	0.583	3.16	NA	21.0	40.9	0.10	0.0052	0.00044
AA-BW-08A	6.83	17.5	33.7	303	0.946	5.69	NA	44.1	264	0.034	NA	0.000275
AA-BW-08A (FD)	6.83	17.2	32.9	296	0.941	5.42	NA	45.0	272	0.053	NA	0.000179
AA-BW-09A	6.34	77.8	166	731	2.45	8.52	NA	98.7	866	0.0026	NA	0.00248
AA-MW-07	4.92	41.7	63.4	216	0.936	2.97	NA	57.0	254	0.079	NA	NA
EC-2	6.65	20.1	28.6	182	0.844	5.51	NA	34.4	155	0.089	NA	NA
H-21R	7	11.8	29.4	192	1.03	13.8	NA	35.8	168	0.0026	NA	NA
H-28	7.01	27.9	45.1	64.0	0.478	3.61	NA	26.6	126	0.048	NA	NA
H-43	5.59	11.6	15.1	48.8	0.647	5.15	NA	20.2	48.5	0.10	NA	NA
M7B	6.8	30.7	34.3	73.1	0.716	1.54	NA	32.9	115	0.027	0.031	0.568

		Molality (mol/kg) Calculations										
		Ca	Mg	Na	K	HCO_3	CO_3	SO_4	Cl	F	NO_3	ClO_4
		40.078	24.305	22.9898	39.0983	61.0168	60.089	96.0626	35.453	18.998	62.0049	99.4506
		(g/mol)	(g/mol)	(g/mol)	(g/mol)	(g/mol)	(g/mol)	(g/mol)	(g/mol)	(g/mol)	(g/mol)	(g/mol)
Well	**pH**	(mol/kg)	(mol/kg)	(mol/kg)	(mol/kg)	(mol/kg)	(mol/kg)	(mol/kg)	(mol/kg)	(mol/kg)	(mol/kg)	(mol/kg)
AA-BW-09A	6.34	3.74E-02	7.98E-02	7.02E-01	2.35E-03	8.19E-03	2.48E-06	4.74E-02	8.32E-01	0.00E+00	0.00E+00	2.39E-06

ND - not detected
NA - not applicable
mg/L - Milligrams per Liter
Cat - Cation
An - Anion
(FD) = Field Duplicate
(1) For samples with anion sum > 800 meq/
Qualifiers:
J-CAB: Cation-anion balance does not pass
J-TDS: TDS measured/sum and/or TDS:EC
R-CAB&TDS: Cation-anion balance check

TABLE 3-14
CATION-ANION BALANCES - 2ND QUARTER CAMU GROUNDWATER EVENT - APRIL 2009
1ST AND 2ND QUARTER 2009 GROUNDWATER MONITORING EVENTS
CAMU AREA, CLARK COUNTY, NEVADA

		Cation-Anion Balance Tests				TDS Checks				TDS and EC			
Well	**pH**	Sum Cations (meq/l)	Sum Anions (meq/l)	(Cat-An)/ (Cat+An) (%)	Acceptable Variance <5%	TDS Calculated (mg/l)	TDS Lab (mg/l)	Lab/Sum Ratio	Acceptable Ratio 1.0 - 1.2	EC Electrical Conductivity (umhos/cm)	Lab TDS / EC Ratio	Acceptable Range 0.55 - 1	**Qualifier Applied**
AA-BW-01A	6.38	265	249	3.1	PASS	14371	10300	0.717	**FAIL**	22400	0.460	**FAIL**	J-TDS
AA-BW-02A	6.44	173	181	2.3	PASS	10042	6900	0.687	**FAIL**	16000	0.431	**FAIL**	J-TDS
AA-BW-03A	6.85	110	109	0.59	PASS	6284	3400	0.541	**FAIL**	10200	0.333	**FAIL**	J-TDS
AA-BW-04A	7.45	310	336	4.0	PASS	19292	15900	0.824	**FAIL**	26100	0.609	PASS	J-TDS
AA-BW-04A (FD)	7.45	310	328	2.8	PASS	19007	15800	0.831	**FAIL**	26100	0.605	PASS	J-TDS
AA-BW-05A	6.67	426	413	1.5	PASS	25194	21500	0.853	**FAIL**	30300	0.710	PASS	J-TDS
AA-BW-06A	7.23	83.1	88	2.9	PASS	5127	4870	0.950	**FAIL**	8430	0.578	PASS	J-TDS
AA-BW-07A	6.55	63.7	65	1.2	PASS	3889	3160	0.813	**FAIL**	6400	0.494	**FAIL**	J-TDS
AA-BW-08A	6.83	355	314	6.2	**FAIL**	19426	15000	0.772	**FAIL**	28200	0.532	**FAIL**	R-CAB&TDS
AA-BW-08A (FD)	6.83	347	323	3.7	PASS	19591	15400	0.786	**FAIL**	28200	0.546	**FAIL**	J-TDS
AA-BW-09A	6.34	978	**973**	0.25	PASS (1)	56228	57500	1.02	PASS	72100	0.798	PASS	-
AA-MW-07	4.92	322	314	1.3	PASS	18452	14400	0.780	**FAIL**	26100	0.552	PASS	J-TDS
EC-2	6.65	232	195	8.6	**FAIL**	12307	10500	0.853	**FAIL**	20000	0.525	**FAIL**	R-CAB&TDS
H-21R	7	234	217	3.7	PASS	13197	11400	0.864	**FAIL**	17300	0.659	PASS	J-TDS
H-28	7.01	137	156	6.3	**FAIL**	8469	8850	1.05	PASS	11500	0.770	PASS	J-CAB
H-43	5.59	76.1	74	1.4	PASS	4444	4090	0.920	**FAIL**	6950	0.588	PASS	J-TDS
M7B	6.8	139	150	3.7	PASS	8496	7210	0.849	**FAIL**	11700	0.616	PASS	J-TDS

		Cation-Anion Balance Tests					**Qualifier Applied**
Well	**pH**	Sum Cation (molality x valence) (meq/kg)	Sum Anions (molality x valence) (meq/kg)	(Cat-An)/ (Cat+An) (%)	Acceptable Variance <5%		
AA-BW-09A	6.34	0.94	0.93	0.21	PASS		-

ND - not detected
NA - not applicable
mg/L - Milligrams per Liter
Cat - Cation
An - Anion
(FD) = Field Duplicate
(1) For samples with anion sum > 800 meq/
Qualifiers:
J-CAB: Cation-anion balance does not pass
J-TDS: TDS measured/sum and/or TDS:EC
R-CAB&TDS: Cation-anion balance check

APPENDIX A

NDEP COMMENTS AND BRC'S RESPONSE TO COMMENTS

Response to NDEP Comments Received August 25, 2009 on the CAMU Groundwater Monitoring Report, 1st and 2nd Quarters 2009 dated August 2009

1. Section 1.0, page 1-1, BRC states that "The general purpose of the CAMU groundwater monitoring program is to collect four quarters of baseline…" NDEP disagrees that the objective is to collect four quarters of data for baseline purposes. There are additional quarters of data which have been collected historically which may be used for this purpose as well. In addition, it may be possible to collect additional rounds of data beyond the four quarters. In summary, the "four quarters" qualifier is unnecessary.

Response: *The reference to four quarters has been removed from the subject text on page 1-1 of the revised report.*

2. Section 1.1, page 1-1, 3rd bullet, it is the NDEP's understanding that Parcels 5/6 are no longer owned by BRC. Please clarify.

Response: *The subject text has been revised on page 1-1 to reflect the fact that Parcel 5/6 was recently sold to other entities.*

3. Section 1.1, page 1-2, bullets, please note that the Western Ditch, Western Ditch Extension and Slit Trench Area have all been removed as of the date of this report.

Response: *The text beneath the bullets on page 1-2 has been revised to reflect the fact that impacted materials within these features were excavated and removed.*

4. Section 1.1, page 1-2, BRC should also note that the removal of the Western Ditch, Western Ditch Extension and Slit Trench Area has also been completed to minimize potential impacts to groundwater. In addition, other, previously unknown wastes have been excavated and removed. For example the wastes discovered near the northeast and northwest detention basins, as well as the "mystery ditch".

Response: *The text in Section 1.1, page 1-2 has been expanded to include these additional actions taken to minimize potential impacts to groundwater.*

5. Section 2.1, page 2-1, The NDEP has the following comments:
   a. Please note that it is necessary to either coordinate obtaining the data from the upgradient companies or BRC should collect the data themselves.
   b. Please note that 1st and 2nd quarter 2009 water level measurements and DNAPL measurements have been completed by the upgradient companies. The data is available directly from the companies.

c. In addition, the upgradient companies' data collection program has evolved since the development of the BRC Groundwater Monitoring Plan (GMP). It is necessary for BRC to revisit this issue and determine if additional data collection needs are necessary.
d. NDEP understands that the 3rd quarter data collection has already been completed. It is expected that this issue will be resolved prior to implementation of the 4th quarter data collection effort.
e. In the future, BRC should alert NDEP regarding any failures to collect data n accordance with the NDEP-approved GMP. This communication needs to be timely and in writing.

Response: *For future CAMU monitoring reports, BRC will coordinate in advance with upgradient companies to obtain water level and chemical data associated with wells included in the Monitoring Program. This revised report has been modified to include water level measurements performed by the upgradient companies during the 1st and 2nd Quarters of 2009. If BRC experiences problems in obtaining these data in the future, BRC will alert NDEP in writing, in a timely manner.*

The third quarterly monitoring event having already been conducted, prior to the fourth quarter event, BRC will review the upgradient companies' data collection programs to determine whether additional data collection needs exist to meet the objectives of the CAMU GMP.

6. Section 2.3, page 2-3, BRC should note that the upgradient companies have reported false positive DNAPL readings based on the density of the groundwater relating to total dissolved solids (TDS) concentrations. The upgradient companies have also reported fouling of DNAPL probes due to this issue. The upgradient companies have also reported that the high TDS water has been found to be denser than the site-related DNAPLs. It is requested that BRC discuss these matters with the upgradient companies and adjust field protocols, as necessary, to address these site-specific issues.

Response: *As suggested, BRC will discuss these issues with the upgradient companies and adjust field protocols accordingly prior to the 4th Quarter sampling event.*

7. Section 2.7, page 2-6, please discuss with the NDEP the need for the collection of chlorite data. It appears that this analysis may not be necessary.

Response: *BRC agrees that analysis for chlorite is not necessary for this monitoring program, and requests removal of this analyte from the program. As presented in Table 3-10 of the report, there were only limited detections during the First and Second Quarter monitoring events, and the other inorganic constituents included in the program provide adequate information regarding ionic composition.*

8. Section 3.2, page 3-2, there is no apparent explanation for how the analytes selected for presentation were chosen. Please clarify.

Response: *The text of Section 3.2 has been expanded to explain that the analytes presented graphically were selected to provide examples for the main chemical classes of interest at the Site, and that the selected analytes were routinely detected at concentrations in excess of applicable screening levels. The text further clarifies that additional analytes (i.e., beyond those depicted graphically) exceeded screening levels.*

9. Section 3.2, page 3-3, pH values as low as 4.9 in groundwater are unexpected.

Response: *BRC agrees that pH values as low as 4.9 in groundwater are unexpected. The ranges of measured pH values will be evaluated and outliers will be discussed in the report summarizing the results of the four quarters of monitoring.*

10. Table 3-14, please include a column summarizing the data quality flags that result from these data quality checks. For example, Cation-Anion Balance (CAB) results for sample AA-BW-09A are reported to be within acceptable variance. However, the sum of anions (in meq/L) for this sample exceed the criteria range maximum of 800 meq/L. Therefore the CAB check does not apply to this sample. Although there may be value in performing this check for all samples, the results should only be reported for samples within the criteria range limit. An alternative in these cases would be to employ a charge balance error calculation and require a ±5% error limit. There is a chance that there could be an error where the charge balance is zero and cation/anion errors cancel out. BRC should discuss this matter with NDEP prior to implementing.

Response: *Table 3-14 has been updated to reflect NDEP's updated guidance regarding performance of cation-anion balances (August 27, 2009). As clearly outlined in the updated guidance, the CAB check does not apply to sample AA-BW-09A because the anion sum exceeds 800 meq/L. Therefore, the revised table does not include the CAB check results for that sample, but instead includes a charge balance error calculation.*

11. Figure D-10, it is strange that the 20,000 mg/l contours do not connect in a north to south fashion. This contouring issue occurs on several Figures in Appendix D and E. Please clarify this issue.

Response: *Contouring is interpretive; another acceptable contouring approach for the figure that is the subject of this comment would be to connect the 20,000 mg/L contour at the southern CAMU boundary with the 20,000 contour along the northern boundary. The nature of the CAMU monitoring locations around its perimeter complicates interpretations of contouring within the CAMU footprint. Because of the uncertainty in this regard, Figure D-10 has been revised to depict the 20,000 mg/L contours as dashed lines where they are not bounded by nearby data points. The other Appendix D and E figures have been similarly revised, as appropriate.*

REDLINE/STRIKEOUT TEXT

1.0 INTRODUCTION

Basic Remediation Company (BRC) has prepared this Groundwater Monitoring Report to describe activities and data collected during monitoring performed during the first two quarters of 2009 at the BRC Corrective Action Management Unit (CAMU) that is currently being constructed at BRC-owned property in Clark County, Nevada, under the oversight of the Nevada Division of Environmental Protection (NDEP). These monitoring events were performed in accordance with *Groundwater Monitoring Plan – Corrective Action Management Unit (CAMU) Area* (Daniel B. Stephens & Associates, Inc. [DBS&A] 2008), which was approved by NDEP on December 17, 2009.

This revision of the report, Revision 1, incorporates comments received from the NDEP, dated August 25, 2009, on Revision 0 of the report, dated August 2009. The NDEP comments and BRC's response to these comments are included in Appendix A. Also included in Appendix A is a redline/strikeout version of the text showing the revisions from the August 2009 version of the report.

The general purpose of the CAMU groundwater monitoring program is to collect ~~four quarters of~~ baseline groundwater data in the CAMU area, against which the potential for impacts to groundwater quality due to CAMU construction can be assessed in the future. This first section summarizes the site conditions and content of the report.

1.1 SITE LOCATION AND DESCRIPTION

The CAMU is located within the boundaries of property owned and operated by BRC, in an area formerly designated as the Clark County Industrial Plant Area (Figure 1-1). The northern boundary is approximately defined by the northern limit of the closed BMI Landfill. The CAMU is bordered by the following former and present industrial facilities of the BMI Industrial Complex:

- To the north and east – by property owned by Tronox (successor to Kerr-McGee Chemical LLC); Olin/Montrose and Tronox operate off-site groundwater extraction, treatment, and re-injection systems to the north and to the east of the CAMU, respectively. The Olin/Montrose system is partially located on BRC property;
- To the south – by the former Pioneer Chlor-Alkali Company, Inc., facility, now owned by Olin Chlor Alkali Products (Olin); and

- To the west - additional historical BRC property, recently sold to other entities (Parcel 5/6).

Historical features within the CAMU boundaries include the following:

- The closed BMI Landfill;
- The former Borrow Area (Borrow Pit);
- The Western Ditch Area and Western Ditch Extension; and
- The Slit Trench Area (STA).

Chemical manufacturing, storage, handling, distribution, and waste disposal facilities have historically operated south (upgradient) of the CAMU (Figure 1-2). These operations are documented to have resulted in soil and groundwater impacts with volatile organic compounds (VOCs), semivolatile organic compounds (SVOCs), polychlorinated biphenyls (PCBs), dioxins/furans, organic acids, total dissolved solids (TDS), pesticides, perchlorate, and metals. Additional upgradient soil impacts may exist.

Groundwater beneath the CAMU has also been impacted with many of the chemicals detected in upgradient soils and/or groundwater, suggesting that chemicals from upgradient off-site locations have migrated northward and beneath the CAMU Site. However, chemical data associated with deep CAMU soils and groundwater suggest that there may also be some contribution of chemicals from the CAMU area to groundwater.

To reduce the potential for chemical leachate in the CAMU area to migrate to and impact groundwater, BRC has recently covered and capped buried waste in the north and south landfill lobes, and surface liquids were removed from ditches. With NDEP-approval,[1] impacted materials within and around the Western Ditch, Western Ditch Extension, and Slit Trench Area and other unknown wastes in the area (*i.e.*, within the northeast and northwest detention basins and an additional previously unknown ditch) were also excavated and removed to minimize potential impacts to groundwater quality.

[1] Documents describing the approved excavation and disposal operations include: *Corrective Action Plan* dated September 2006 (approved by NDEP September 25, 2006), *Record of Decision – Remediation of Soil in the Slit Trench Area of the BMI Common Areas* (NDEP issuance September 17, 2007), and *Permit for Hazardous Remediation Waste Management Activity* (issued by NDEP September 24, 2007).

The CAMU Conceptual Site Model (CSM) report prepared in 2007 presents detailed information regarding historical site operations, the results of prior investigations, and site impacts (BRC and DBS&A 2007).

1.2 SITE HYDROGEOLOGY

The CAMU is located on alluvial fan sediments, with a surface that slopes to the north-northeast at a gradient of approximately 0.02 foot per foot (ft/ft) towards the Las Vegas Wash. Regional drainage is generally to the east.

The uppermost strata beneath the CAMU consist of alluvial sands and gravels derived primarily from the volcanic source rocks in the McCullough Range, located to the southwest of the CAMU. These uppermost alluvial sediments were deposited within the last two million years and are of Quaternary age, and are thus mapped and referred to as the Quaternary alluvium (Qal; Carlsen *et al*. 1991). The Qal is typically on the order of 30 to 70 feet thick at the Site with variations due, in part, to the non-uniform contact between the Qal and the underlying Upper Muddy Creek Formation (UMCf). As described in the Groundwater Monitoring Plan (GMP), three erosional paleochannels (two major channels and one minor channel) are interpreted as being incised into the UMCf surface in the CAMU area, and increase the local Qal thickness accordingly.

The UMCf underlies the Qal. The Muddy Creek formation, of which the UMCf is the uppermost part, is a lacustrine deposition from the Tertiary Age, and it underlies much of the Las Vegas Valley. It is more than 2,000 feet thick in places. The lithology of the UMCf underlying the CAMU is typically fine-grained (sandy silt and clayey silt), although layers with increased sand content are sporadically encountered. These UMCf materials have typically low permeability, with hydraulic conductivities on the order of 10^{-6} to 10^{-8} centimeters per second (Weston 1993). The UMCf in the CAMU area was encountered at depths ranging from 30 feet to 70 ft below ground surface (bgs), and extending to the maximum explored depth of 200 feet bgs.

Two distinct, laterally continuous water-bearing zones are present within the upper 400 feet of the Site subsurface:

(1) An upper, unconfined water-bearing zone (referred to as the Shallow Zone[2]). The Shallow Zone is typically encountered within the Qal at the CAMU; however, this zone

[2] Note: hydrogeologic and lithologic nomenclature is based on NDEP (2009a).

is first encountered within the uppermost UMCf in the eastern portion of the CAMU area. The water surface in the Shallow Zone generally follows topography, with the water surface sloping towards the Las Vegas Wash.

(2) A deep, confined water-bearing zone that occurs in a sandier depth interval within the silts of the deeper UMCf (referred to as the Deep Zone).

Between these two distinct water-bearing zones, a series of saturated sand stringers were sporadically and unpredictably encountered during drilling (referred to as the Middle Zone).

According to previous groundwater monitoring, the depth from the surface to first groundwater at the Site is approximately 30 to 50 feet bgs. Wells completed in the Shallow Zone are not highly productive, with sustainable flows typically less than five gallons per minute.

1.3 REPORT CONTENT AND ORGANIZATION

This report provides tabulated and graphical presentations of groundwater data collected during the 1st and 2nd Quarter 2009 monitoring events conducted in the CAMU Area. Interpretation of these results will be provided after the conclusion of four quarters of monitoring. Following this introductory section, this report includes the following:

- Section 2.0 describes the activities during the two monitoring events, including inspection and depth to water measurements, sample collection, equipment decontamination, management of investigation-derived waste, the analytical procedures, and data review and validation procedures.

- Section 3 presents the results of the two monitoring events, including groundwater depth and flow direction and chemical detections.

- Section 4 provides a list of references used in the preparation of this report.

Figures and tables summarizing the monitoring well details, scope, and findings of the two monitoring events follow the main text. Appendix B ~~A~~ provides the historical project database for the CAMU monitoring program and an electronic version of this report (on CD). Hydrographs and concentration trend graphs (selected constituents) for all the CAMU monitoring wells are presented in Appendices C ~~B~~ and D~~C~~, respectively. In addition, Appendices E ~~D~~ and F ~~E~~ provide figures depicting occurrence patterns for selected constituents across the CAMU area, for the 1st Quarter 2009 and 2nd Quarter 2009, respectively.

2.0 GROUNDWATER MONITORING PROGRAM

Groundwater monitoring and sampling procedures were performed as specified in the *Groundwater Monitoring Plan BRC Corrective Action Management Unit (CAMU) Area* (GMP; DBS&A, 2008), and in accordance with associated project-specific *Field Sampling and Standard Operating Procedures* (FSSOP; BRC, ERM and MWH 2008) and the Quality Assurance Project Plan (QAPP; BRC and ERM 2009).

The following sections briefly describe the field procedures and analytical program implemented by BRC contractors during field activities associated with CAMU monitoring events conducted during the first two quarters of 2009.

2.1 CAMU MONITORING WELL NETWORK

As specified in the GMP (DBS&A, 2008), 29 wells are included in the monitoring program for the CAMU area, as summarized in Table 2-1 and depicted on Figure 2-1. Construction details for these CAMU Area wells are provided in Table 2-2. As seen in Tables 2-1 and 2-2, the majority of the wells (20) are screening in the Shallow Zone. In addition to those Shallow Zone wells, six wells in the monitoring program are screened in the Middle Zone, and three wells are screened in the Deep Zone.

Table 2-3 identifies the monitoring activities that are associated with each well in the program. For fifteen of these CAMU Area wells (all Shallow Zone), quarterly monitoring is to be performed by BRC. For the remaining fourteen wells (a combination of Shallow, Middle, and Deep zone wells), data collected by upgradient companies as part of separate on-going monitoring programs is to be used to augment BRC's CAMU area data. It should be noted that three proposed wells that have not yet been installed are on the list of wells to be included in the CAMU Area monitoring program (*i.e.*, P1, P2, and P3). Water~~Because the upgradient companies' monitoring programs have not yet been reported for 2009 events, groundwater data from these events are not included in this report. However, during the 2009 CAMU Area monitoring events, BRC collected water level measurements and samples from three of the wells in the upgradient companies' monitoring programs (AA-BW-08A, AA-MW-07, and EC-2). In addition, Hargis & Associates collected a water level measurement from one additional GMP well (AA-BW-12A) during a monitoring event that was roughly coincident with the 2nd Quarter CAMU monitoring event. The end result is that water~~ level data were collected during the two

monitoring events and are presented in Table 3-1 for all but two of the Shallow Zone wells specified in the GMP, except one Shallow Zone well (MC80[3]), one Deep Zone well (MW-8),[4], and the three above mentioned wells that have not yet been installed (P1, P2, and P3). According to the GMP, the following wells were to be sampled by companies other than BRC:

- Shallow: MC-80, AA-BW-12A, MCF-BW-11A
- Middle: MC-MW-10, MC-MW-11, MC-MW-12, P1, P2, TR-11
- Deep: MW-8, P3, TR-12

The) and water quality data from these wells will be incorporated in future groundwater monitoring reports.were collected for all but three of the Shallow Zone GMP wells (AA-BW-12A, MC80, and MCF-BW-11A). For ease of reference, Table 2-3 identifies the wells included in the program (all Zones) that were not monitored during the first two quarters of 2009.

2.2 FIELD MEASUREMENTS

Field measurements, including depth to water, thickness of free product, and depth of well, were performed in accordance with procedures described in the project specific Standard Operating Procedure (SOP) (SOP-5 - Water Sampling and Field Measurements).

During the first Quarter of 2009, as seen in the sampling forms provided in Appendix C~~B~~, water level measurements were collected at the CAMU monitoring wells during three mobilizations:

- The primary mobilization during which samples were collected for the basic suite of analyses (conducted between January 19, 2009, and January 28, 2009); water levels were measured at all the wells except AA-BW-08B and MCF-BW-08 during this mobilization;
- A second mobilization conducted by BRC on January 29th and 30th, during which samples were collected from selected wells for additional analyses (methyl mercury and white phosphorus) based on the results of the initial testing; water levels were measured at wells AA-BW-08B and MCF-BW-08 during this mobilization; and

[3] Well MC80 could not be located and is presumed destroyed.
[4] Per the GMP, well MC80 is on the list of wells at which BRC is to collect water level measurements and groundwater samples. However, this was not done during the 1st and 2nd Quarters of 2009 because the well could not be located and is presumed destroyed.

- A third mobilization conducted by BRC on February 2nd and 3rd, during which samples were collected from selected wells for radon analysis.

During the 2nd Quarter of 2009, water level measurements and groundwater samples were collected by BRC during a single mobilization that was conducted between April 16, 2009, and April 29, 2009. In addition, ~~on April 16, 2009,~~ Hargis & Associates collected ~~a~~ water level measurements and samples during a roughly coincident time period that extended from April 13, 2009 through April 20,~~measurement at well AA-BW-12A as part of a separate investigation; this data point has been added to the data pool of 2nd Quarter~~ 2009 ~~water level elevations for the purposes of this report~~.

Equipment used and the various observations and measurements collected during well purging activities for both events were recorded on Monitoring Well Low-Flow Purge/Sampling Forms, copies of which are provided in Appendix C~~B~~.

Water level measurements provide a measure of water potential (hydraulic head) at specific geographic locations and depths beneath the CAMU. The primary purpose for measuring CAMU area water levels in the monitoring wells is to determine horizontal groundwater flow directions and gradients. These measurements were converted to elevations relative to a standard datum (*i.e.*, mean sea level, which is used for the Site) and posted on a map, and were contoured to prepare potentiometric surface maps, which indicate the direction of groundwater flow. Horizontal gradients are calculated as the difference in groundwater elevations between wells screened in the same monitoring zone divided by the horizontal distance between the wells. The horizontal gradients indicate the horizontal direction of groundwater flow, from higher to lower elevations. The results of the water level measurements collected during the first two Quarters of 2009 are discussed in Section 3.1.

2.3 SAMPLE COLLECTION

BRC contractors used the micro-purge and sampling methodology for the 1st and 2nd Quarter 2009 CAMU monitoring and sampling events, as established and implemented during quarterly monitoring events at the BMI Common Areas (Eastside) Site.

Most of the BRC-owned wells sampled during the two 2009 events were equipped with QED® Well Wizard (A-system) dedicated bladder pumps for the monitoring and sampling of wells at the Site. QED® MP10H high pressure micro-purge controllers were used during the event. The Well Wizard A-system was installed in all Shallow Zone wells due to their relative shallow well

design (less than 100 feet deep). Generally, pump (sample) intakes were installed approximately 1 to 3 feet from the bottom of the wells. Six non-BRC wells and BRC-owned well MCF-BW-08 were monitored and sampled using a QED® brand SamplePro portable bladder pump system. The portable pump (sample) intakes were generally placed near the bottom of the screen interval for groundwater monitoring and sampling collection. Well purging details and sampling summary data are presented in Appendix C~~B~~.

During a prior sampling event, dense non-aqueous phase liquid (DNAPL) was observed in well AA-BW-08B. Evidence of DNAPL was not observed in this or any of the other wells monitored during either the 1st Quarter or the 2nd Quarter event. It should be noted that the upgradient companies have reported false positive DNAPL readings based on the density of the groundwater relating to TDS concentrations. The upgradient companies have also reported fouling of DNAPL probes due to this issue. The upgradient companies have also reported that the high TDS water has been found to be denser than the site-related DNAPLs. BRC will discuss these matters with the upgradient companies and adjust field protocols, as necessary, to address these site-specific issues prior to the next monitoring event.

Sampling and field measurement procedures were performed in accordance with the standard sampling and documentation procedures developed for performing water level measurements and monitoring well sampling, well maintenance, general field operations, and instrument calibration, as presented in the GMP and the BRC FSSOP (BRC, ERM and MWH 2008). Adherence to these procedures promotes consistency in field procedures and comparability of data collected over time.

Field quality control (QC) measures implemented during the quarterly groundwater sampling event were performed according to BRC QAPP requirements and BRC FSSOP. The QC sample frequencies and field QC measures included:

- Collection of field duplicates, at a frequency corresponding to approximately 10 percent of the samples (2 samples per event); field duplicates were collected from wells AA-BW-02A and AA-BW-04A during the 1st Quarter 2009 event, and from wells AA-BW-04A and AA-BW-08A during the 2nd Quarter 2009 event;

- Collection of equipment blanks, at a frequency corresponding to approximately 5 percent of the samples collected using non-dedicated or non-disposable equipment (1 sample per event);

- Procurement and use of trip blanks, at a frequency of one per shipping container containing samples for VOC analysis;
- Collection of matrix spike/matrix spike duplicate samples (MS/MSD); this was performed during the 1st Quarter monitoring event, from well AA-BW-05A;
- Providing accurate, detailed field documentation; and
- Proper sample packaging and shipment under chain of custody (COC) procedures.

2.4 DECONTAMINATION PROCEDURES

Equipment decontamination was performed to minimize the potential for cross contamination between wells or investigation and sampling locations. Decontamination procedures were used for all non-dedicated, non-disposable equipment. BRC SOPs were followed to ensure proper decontamination of sampling equipment.

Decontamination equipment was prepared at each well location for cleaning sampling equipment. Supplies included five-gallon buckets, bottle brushes, potable water, distilled water, and non-phosphate cleaning solution (Liquinox™/Alconox™).

Prior to and after use at each location, all groundwater sampling equipment was washed in a non-phosphate cleaning solution, rinsed with potable water, and then rinsed twice with distilled water.

Submersible pumps and downhole equipment were cleaned prior to and after use at each location during groundwater sampling activities as described above. Decontamination water was transferred into secured and properly labeled Department of Transportation-approved 55-gallon steel drums located on-site at a centralized collection area.

2.5 MANAGEMENT OF INVESTIGATION-DERIVED WASTE

During the 1st and 2nd Quarter 2009 CAMU monitoring events, all purge and decontamination water resulting from groundwater sampling was temporarily contained on-site in 55-gallon drums. All drums were labeled by field personnel to identify contents, date, and source location. BRC has subsequently disposed of these sampling wastes. Information of this disposal has been provided separately to the NDEP.

2.6 ANALYTICAL PROGRAM

Analytical procedures for the 1st and 2nd Quarter CAMU sampling events were implemented according to the BRC QAPP. The list of chemicals and analytical methods for the CAMU monitoring events is provided in Table 2-4. The QAPP specifies the project-specific detection and quantitation limits, calibration and calibration verification, and QC procedures and specifications. The QAPP also requires that analyses be performed according to the method-specific SOPs, which have also been revised to be site specific stand-alone documents. Analytical laboratories performing analyses for the Site have Nevada State certification for the methods performed.

The following sections summarize the groundwater analytical program conducted for the 2009 CAMU groundwater monitoring events. Additional detail about the analytical program is provided in the *Groundwater Monitoring Plan, Corrective Action Management Unit (CAMU) Area,* (DBS&A 2008). Analytical methods used during the program were selected based on data requirements for investigating Comprehensive Environmental Response, Compensation, and Liability Act sites and for conducting human health and ecological risk assessment, and to provide data to evaluate impacts to groundwater and surface water quality. The analytical methods used are primarily referenced U.S. Environmental Protection Agency (USEPA)-approved testing procedures. The sampling team followed method-prescribed requirements for sample containers, preservation, and holding times, as summarized in Table 2-5. Samples were packaged and shipped with proper COC documentation to the analytical laboratories as described in the BRC FSSOP and QAPP.

Groundwater samples from 15 monitoring wells were analyzed for a broad spectrum of chemical analytes and chemical classes during the 1st and 2nd Quarter 2009 CAMU events. The samples were analyzed for general chemistry parameters, cations/anions, total metals, hexavalent chromium, perchlorate, radionuclides, VOCs, SVOCs, organochlorine pesticides (OCPs), PCBs, dioxins/furans, methyl mercury, and white phosphorus. Analytical results are described in Section 3.2.

2.7 ANALYTICAL LABORATORIES

The following Nevada-certified laboratories were utilized during the 1st and 2nd Quarter 2009 CAMU events:

Laboratory Name	Location	Analyses Performed
TestAmerica Laboratories (TA St. Louis)	Earth City, Missouri	Alkalinity, Anions, Ion Balance, TDS, Metals/Hardness, OCPs, PCBs, VOCs, Dioxins/Furans
TestAmerica Laboratories (TA Irvine)	Irvine, California	Chlorite
General Engineering Laboratories (GEL)	Charleston, South Carolina	Perchlorate, SVOCs, PAHs, Radionuclides, Radon
Advanced Technology Laboratories (ATL)	Las Vegas, Nevada	Hexavalent Chromium
Brooks Rand Labs	Seattle, Washington	Methyl Mercury
ALS Laboratory Group (formerly DataChem Laboratories)	Salt Lake City, Utah	White Phosphorus

2.8 QUALITY ASSURANCE/QUALITY CONTROL

Measurement data were consistently assessed and documented to determine whether objectives were met. The review assesses data quality and identifies potential limitations on data use. The data quality review process provides information on overall method performance and data usability. Section A7 of the BRC QAPP defines the basis for assessing the elements of data quality. Laboratory data and data quality review reporting procedures and formats are also addressed in Section A7 of the BRC QAPP.

Quality assurance (QA) activities include performing technical systems audits, performance audits, and data validation at the frequency recommended in the BRC QAPP. Field audits are not required, but may be performed in the event significant discrepancies are identified that warrant evaluation of field practices. No field audits were performed during the 2009 CAMU monitoring events.

As discussed in Section 2.3, various types of QC samples were collected to aid in evaluating the analytical data quality, including field duplicate groundwater samples and equipment blank samples, which were analyzed for the broad suite of analytes included in the CAMU monitoring

program[5]. In addition, trip blanks were prepared by the laboratory and were included in each groundwater sample shipment containing VOCs, for analysis of VOCs. In addition to the above QC samples, additional sample volume was collected for the purpose of conducting laboratory MS/MSD analyses.

2.9 DATA REVIEW AND VALIDATION

The data generated during the 1st and 2nd Quarters 2009 CAMU monitoring events were subjected to a data review in accordance with the QAPP, SOP-40 (*Data Review/Validation*; FSSOP), USEPA National Functional Guidelines (USEPA, 1999, 2001, 2004, 2005 and 2008), and the NDEP *Supplemental Guidance on Data Validation* (NDEP 2009a,b), ~~) and~~ *Additional Guidance on Completion of Quality Checks for Cation-Anion Balance* (NDEP 2007), and *Cation-Anion Balance – Updated Guidance* (NDEP 2009d). These guidance documents provided direction for the data review and validation activities conducted for data collected during these events.

All of the data were subjected to a Stage 2B review. Stage 2B data validation consisted of a manual review of all parameters related to sample analysis, including holding times, instrument performance check (as applicable), initial calibration, continuing calibration, blank contamination, laboratory control sample (LCS), MS/MSD, surrogates and internal standards (as applicable), and compound identification. In addition to the Stage 2B review, 20 percent of all data collected during the course of the investigation were subject to full Stage 4 data validation. Stage 4 data validation consisted of review of all parameters reviewed as part of the Stage 2B review with additional review of the raw data including chromatograms, log books, quantitation reports, and spectra. Data validation qualifiers and reason codes used during this process are summarized in Table 2-6. Laboratory Data Consultants (LDC) was subcontracted to conduct all the data validation. Data Validation Summary Reports (DVSRs) for all data collected during the 1st and 2nd Quarter monitoring events (DVSR #55a and 55b, respectively) have been prepared and submitted separately as stand-alone reports by ERM. DVSRs #55a and 55b were approved by the NDEP on June 16, 2009, and July 31, 2009, respectively.

[5] During the 1st Quarter 2009 event, the field duplicate sample from AA-BW-02A was analyzed for the full suite of analyses excluding PCBs, dioxins/furans, radon, white phosphorus and methyl mercury; however, the field duplicate sample collected from AA-BW-04A was analyzed for the full suite of analyses, including those listed in this footnote. Analyses for radon, white phosphorus, and methyl mercury were also omitted from the equipment blank suite of analyses during the 1st Quarter 2009 event. During the 2nd Quarter 2009 event, the two field duplicates and the equipment blank were analyzed for the full suite of analyses.

Based on the evaluation of the datasets, the majority of the data obtained during the two events are valid (that is, not rejected) and acceptable for their intended use (100 percent of the 1st Quarter data, and 99.97 percent of the 2nd Quarter data). All analyses were performed as requested on the COC. No assumptions of data quality were made based on information that was not provided. Some data were qualified based on the data review. All data results qualified with 'J', 'U', or 'UJ' are considered valid and acceptable for their intended use. All data results qualified with 'R' are considered invalid and are rejected for use.

3.0 GROUNDWATER MONITORING RESULTS

General groundwater conditions and analytical results for the 1st and 2nd Quarter 2009 CAMU monitoring events are summarized in this section. The monitoring wells included in these monitoring events are presented on Figure 2-1.

3.1 GROUNDWATER CONDITIONS

This section describes the general groundwater conditions at the Site during the 1st and 2nd Quarter 2009 CAMU monitoring events including depth to groundwater, groundwater gradient, and groundwater flow direction.

3.1.1 Depth to Groundwater

Groundwater level measurements were ~~successfully~~ collected ~~by BRC~~ from 17~~16~~ wells across the Site during the 1st ~~Quarter~~ and from 24 wells during the 2nd Quarter~~s of 2009. In addition, BRC obtained the water level measurement obtained by Hargis & Associates from AA-BW-12A during the same time period as the 2nd Quarter monitoring event~~. As noted in Section 2.2, during the 1st Quarter event, BRC collected water level measurements during three mobilizations; for the purpose of this report, the first water level measurement for each well is used for water level evaluations.

During the 1st Quarter 2009 monitoring event, depth to groundwater measurements ranged from 32.04 below top of casing~~btoc~~ (btoc; well H-21R, located along the northern CAMU boundary) to 56.20~~19~~ feet btoc (well EC-2, located along the southern CAMU boundary). The highest groundwater elevation during the 1st Quarter event was 1725.37~~55~~ feet above mean sea level (amsl) in well AA-MW-07, located in the southeast corner of the Site. The lowest groundwater elevation during the 1st Quarter event was 1693.32~~1691.30~~ feet amsl in well AA-BW-04A~~H-28~~, located in the north-east portion of the Site. Well-specific measured depths to water and calculated groundwater elevations for the 1st Quarter 2009 event are presented in Groundwater Elevation Data Table 3-1, and the Shallow Zone measurements are posted and contoured on Figure 3-1.

The depths to water measured during the 2nd Quarter event were comparable to those measured during the 1st Quarter 2009, with measurements ranging from artesian conditions (TR-11 and TR-12) to 57~~31~~.91 feet btoc (MC-MW-11)~~to 55.98 feet btoc; wells H-21R and EC-2 were the again associated with these end points. The depth to water measured by Hargis & Associates in~~

well AA-BW-12A was 50.81 feet btoc. The highest groundwater elevation during the 2nd Quarter event was 1758.501727.73 feet amsl in well MC-MW-12AA-BW-12A, located along the southern CAMU boundary and the furthest south of any of the CAMU wells. The lowest groundwater elevation during the 2nd1st Quarter event was 1693.541691.60 feet amsl, again in well AA-BW-04AH-28. Well-specific measured depths to water and calculated groundwater elevations for the 2nd Quarter 2009 event are presented in Groundwater Elevation Data Table 3--1, and the Shallow Zone measurements are posted and contoured on Figure 3--2.

Well hydrographs summarizing all available water level data for the CAMU wells are presented in Appendix CB.

3.1.2 Groundwater Flow Direction

As illustrated on Figure 3-1, the general groundwater flow direction beneath the Site during the 1st Quarter 2009 event is north-northeasterly at an average gradient of 0.013 feet per foot in the Shallow Zone. The interpreted 2nd Quarter 2009 groundwater flow direction (north-northeasterly) and gradient (0.013 feet per foot) are comparable (Figure 3-2), given the similarity in measured water levels (and potentiometric surfaces) during the two events.

3.2 ANALYTICAL RESULTS

Groundwater analytical results are presented in this section for the 1st and 2nd Quarter 2009 CAMU monitoring events performed at the Site. Data validation for the data set was completed by ERM personnel and LDC as discussed in Section 2.9. Summaries of groundwater analytical results from the 1st and 2nd Quarter 2009 CAMU monitoring events are presented in Tables Tables 3--2a,-b,- and c. Groundwater analytical results for the 1st and 2nd Quarter 2009 CAMU monitoring events and prior historical sampling events are presented by individual chemical class in Tables 3-3 through 3-14.

As summarized in Tables 3-2a, b, and c, data collected during the 1st and 2nd Quarter 2009 CAMU monitoring events were subjected to a basic statistical analysis (per event and combined); the tables present the compound-specificevaluated by number of detections, ranges of reporting limits, ranges of concentrations, number of detections exceeding USEPA maximum contaminant level (MCLs) and NDEP Basic Comparison Levels (BCLs: NDEP 2009c). In addition, a small number of constituents representing the main). The following twelve chemical classes of interest in the CAMU areacompounds/water quality parameters were selected from the monitoring events for graphic presentation of historical trends in concentrations and chemical

occurrence within the Shallow Zone. Specifically, graphical presentations are provided for the following:

- **Compound Class**~~Benzene~~
- Metals~~Chlorobenzene~~
- Organochlorine Pesticides~~Chloroform~~
- VOCs~~1,4-Dichlorobenzene~~
- SVOCs~~Tetrachloroethene (PCE)~~
- Radionuclides~~Pentachlorophenol~~

- **Example Analyte Presented Graphically**~~alpha-BHC~~
- Arsenic
- alpha-BHC~~Perchlorate~~
- Benzene
  Chlorobenzene
  Chloroform
  1,4-Dichlorobenzene
  Tetrachloroethene (PCE)~~Total Dissolved Solids (TDS)~~
- Pentachlorophenol~~Radium-226/228 (sum)~~
- Radium-226/228 (sum)
  Radon-222

General Chemistry	Perchlorate
General Water Quality	Total Dissolved Solids (TDS)

Concentration trend graphs for these constituents are presented in Appendix D.~~C.~~ Contoured chemical occurrence maps for these constituents are presented in Appendices E~~D~~ and F~~E~~, for the 1st Quarter 2009 and 2nd Quarter 2009 CAMU monitoring events, respectively. These twelve analytes were generally selected because they were routinely detected at concentrations in excess of applicable screening levels (see Table 3-2). It is also noted that, as seen in Table 3-2, additional analytes (*i.e.*, beyond those depicted graphically) exceeded screening levels.

As part of the data review process, BRC in conjunction with the Site laboratory performed tests for cation-anion balances, TDS checks, and TDS and electrical conductivity checks for data generated during the 2nd Quarter 2009 CAMU groundwater monitoring event. The results of this evaluation are presented in Table 3-14. In the water samples collected and analyzed for the 2nd Quarter 2009 CAMU event, sample pH ranged from 4.9 to 7.4. Due to the reported pH range of results, alkalinity was composed nearly entirely of bicarbonate, therefore the bicarbonate results were used in the balance calculation rather than the hydroxide results.

In conducting the cation-anion balance for the 2nd Quarter 2009 CAMU event, the variance between the cation and anion sum (as represented by the difference between the cation and anion sum, divided by the total ion sum, expressed as a percentage) ranged between 0.58 ~~6.33%~~ and 8.6 percent. Fourteen~~6.16%, with an average variance of 0.42%. All fifteen~~ primary and ~~the~~ two field duplicate samples were used in the cation-anion balance calculations. Sample AA-BW-09A was not subjected to cation-anion balance calculations because the anion sum was greater than 800 meq/L; a charge balance error check was instead performed for this sample, per NDEP (2009d) guidance.

Based on these data, as presented in Table 3-14, 13~~fourteen~~ of the 16~~seventeen~~ cation-anion balances were within acceptable range~~ranges~~ of 5 percent.~~%.~~ The samples with variances outside the acceptable range were associated with wells AA-BW-08A (primary sample only; the field duplicate was within the acceptable range), EC-2, and H-28. Seven~~Six~~ of the samples~~fourteen acceptable balances~~ had anion sums greater than the cation sums. TDS laboratory/sum ratio checks were within acceptable result ratios of 1.0 – 1.2 in only two of the 17 samples. It should be noted that the balance results may be influenced by elevated sample results, and estimated laboratory results due to matrix interference and laboratory dilution requirements. TDS and electrical conductivity checks were within acceptable ratios of 0.55 – 1.0~~.7~~ in 10~~seven~~ of the 17~~seventeen~~ samples. This test may also be influenced by elevated sample results, and estimated laboratory results due to matrix interference and laboratory dilution requirements. As noted above, a charge balance error check was performed for sample AA-BW-09A. As presented in Table 3-14, the charge balance error check was within the acceptable range of 5 percent. All these evaluations were done using NDEP's most recent *Cation-Anion Balance – Updated Guidance* (NDEP 2009d).

3.3 RECOMMENDATIONS

BRC proposes the following actions for the Site associated with the BRC CAMU groundwater monitoring program:

- BRC proposes to conduct a field inspection prior to the next sampling event to locate well MC80. If found, the well will be visually inspected to determine its suitability for use in the CAMU monitoring program. Based on those observations, BRC will report to NDEP with a determination of whether the well is to be maintained in or removed from the monitoring program.

- BRC adjust field protocols, as necessary, to address issues associated with DNALP readings after discussions with the upgradient companies prior to the next monitoring event.

- Consistent with previous monitoring events, the groundwater data collected from the 1st and 2nd Quarter CAMU monitoring events, as depicted in chemical occurrence maps presented in Appendices E and F~~Appendix D~~, indicate that elevated concentrations of contaminants reported in samples collected from area wells can be attributed to upgradient off-site sources. BRC recommends that continued up-gradient evaluation of groundwater quality be performed to determine the primary source of the contamination reported at the Site.

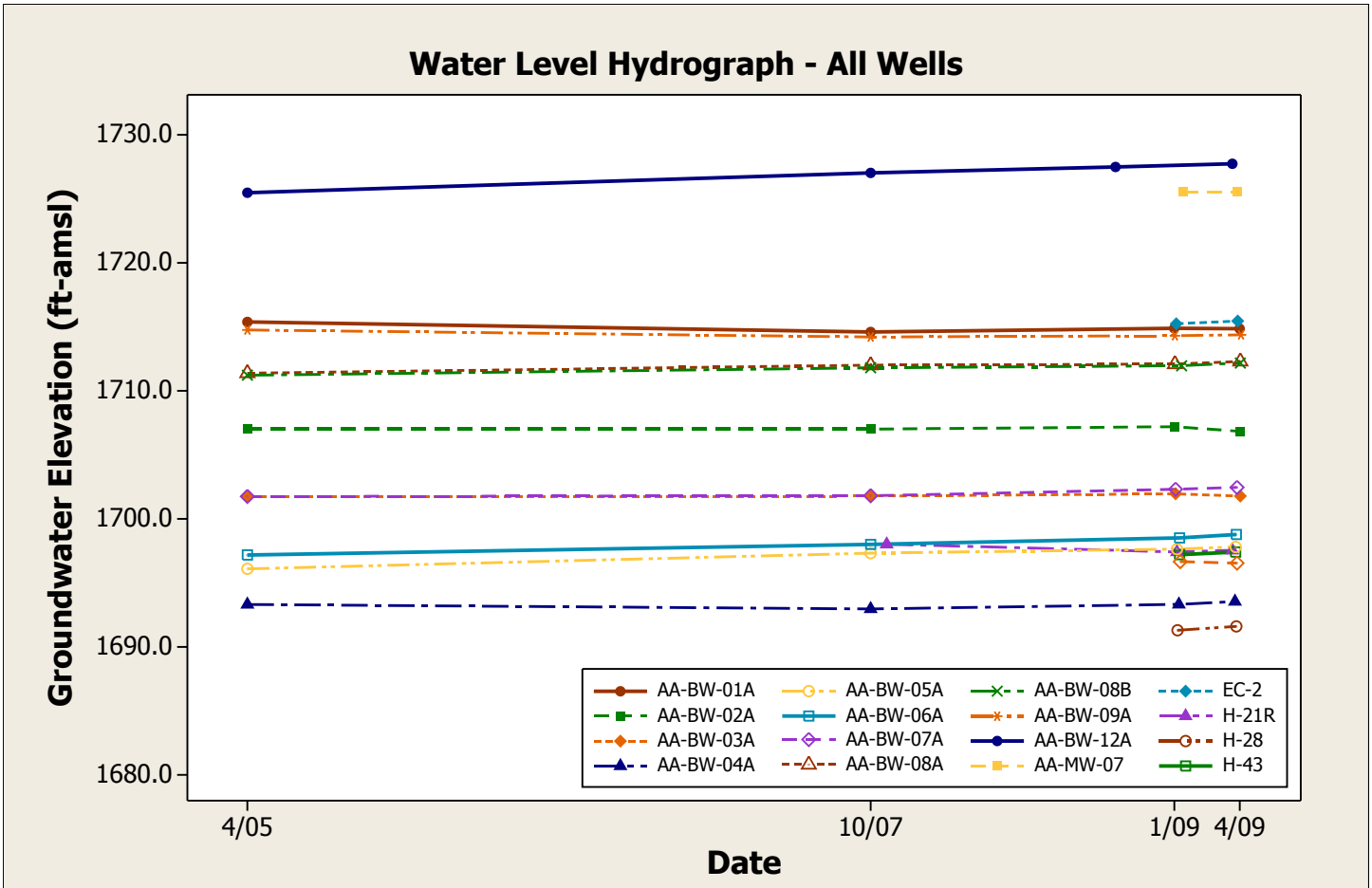
APPENDIX B

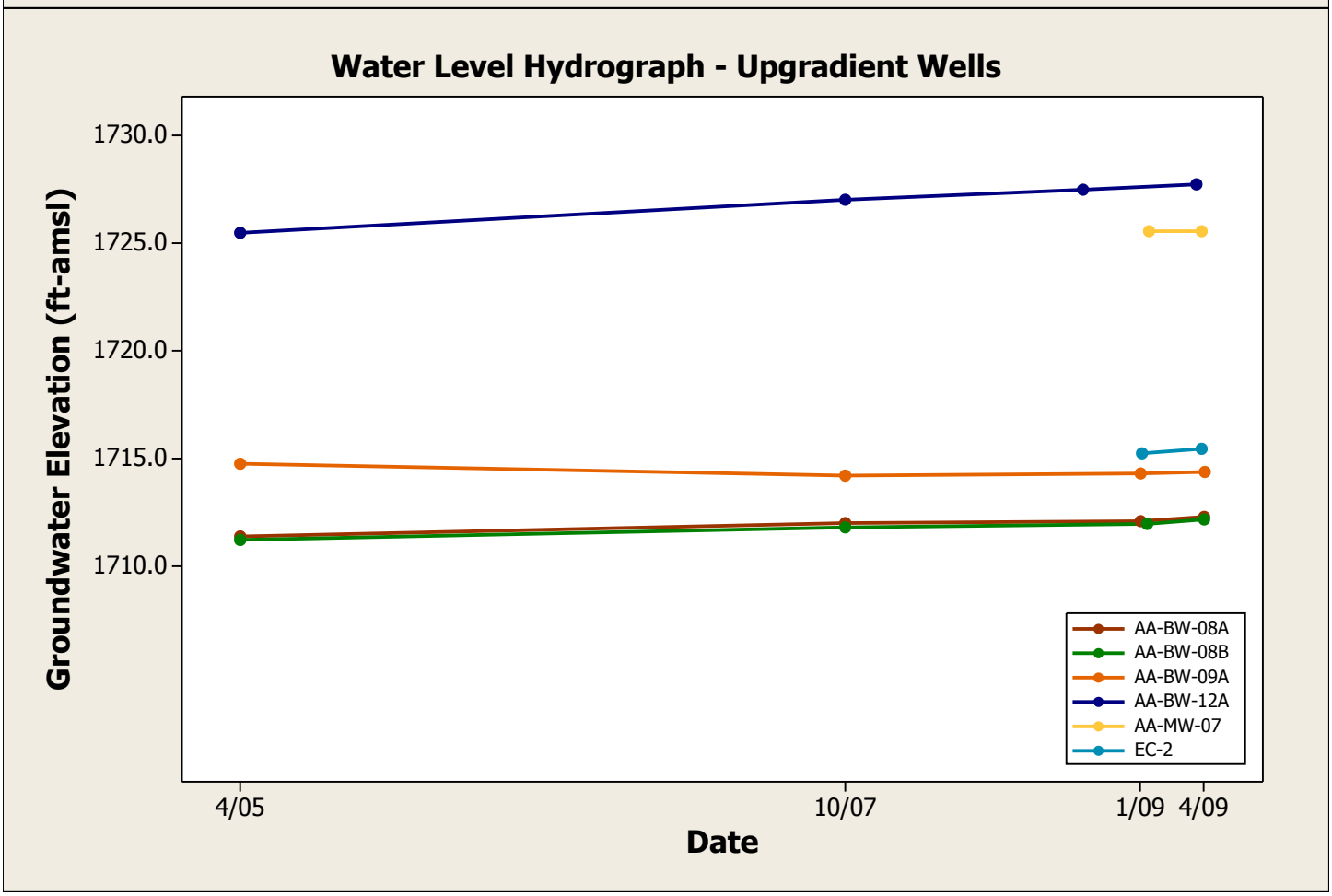
ELECTRONIC DATABASE AND ELECTRONIC COPY OF THE REPORT

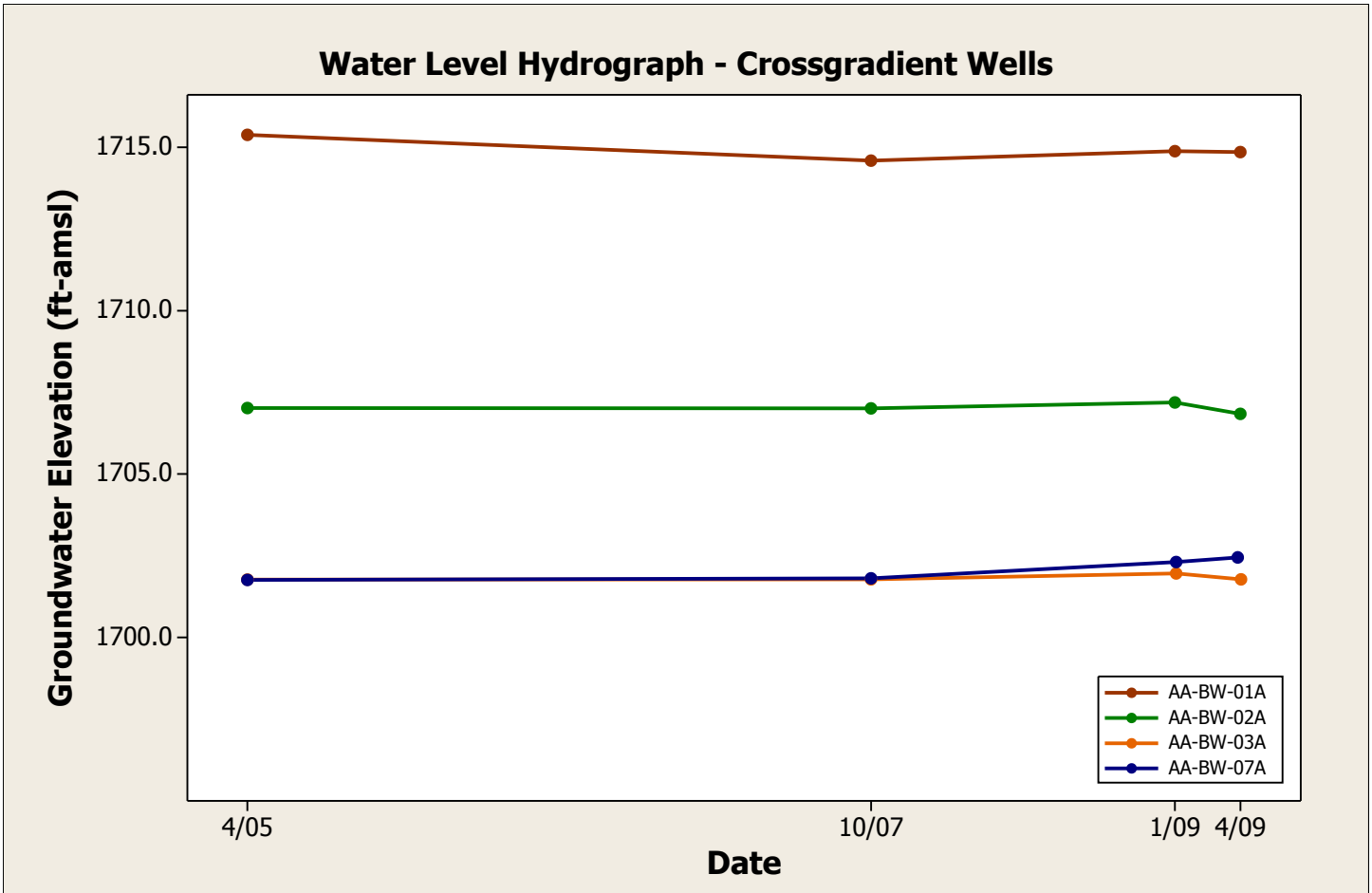
APPENDIX C

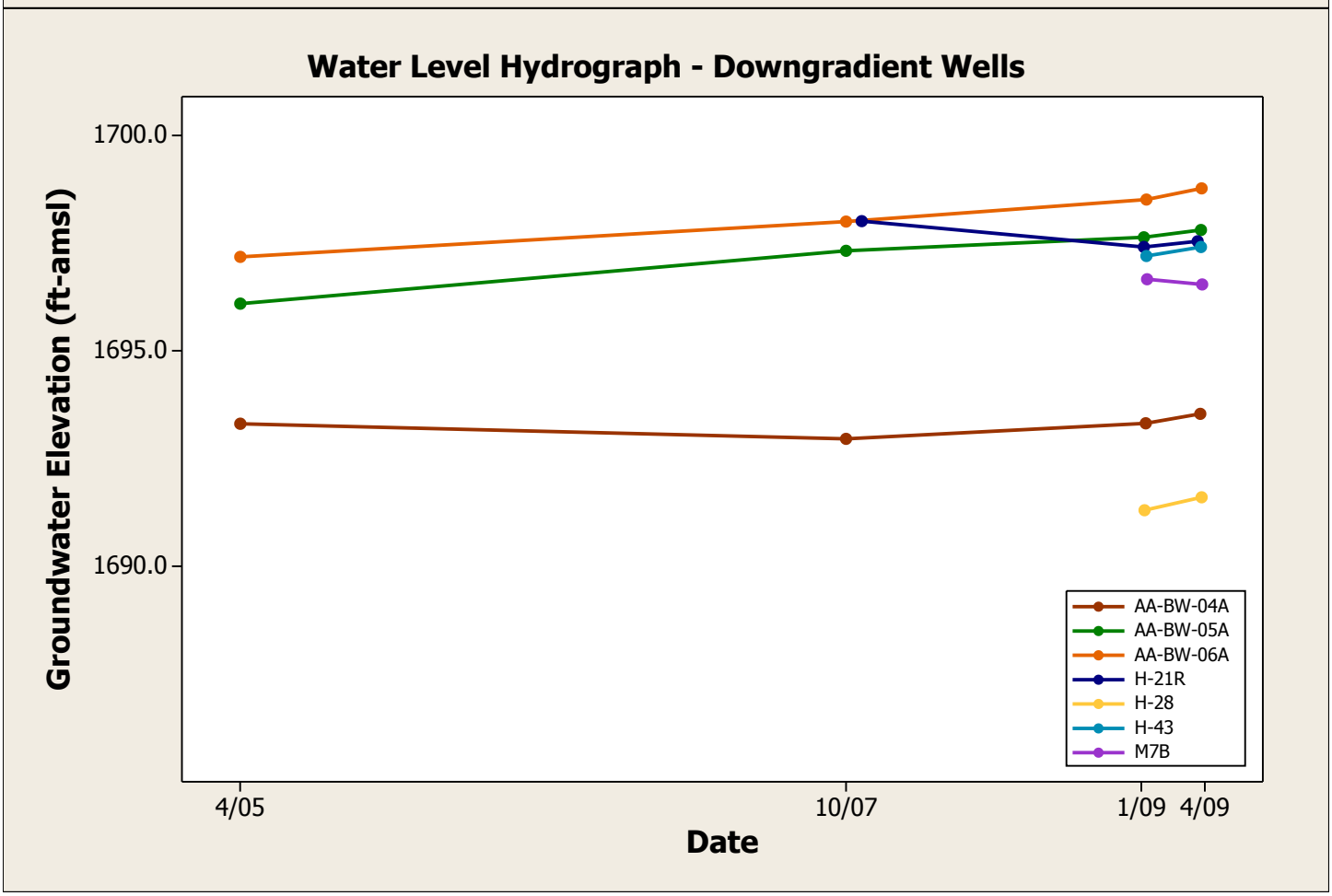
WELL HYDROGRAPHS AND SAMPLING FORMS

WELL HYDROGRAPHS


Water Level Hydrograph - All Wells
Groundwater Elevation (ft-amsl)
1730.0
1720.0
1710.0
1700.0
1690.0
1680.0
4/05
10/07
1/09
4/09
Date
AA-BW-01A
AA-BW-02A
AA-BW-03A
AA-BW-04A
AA-BW-05A
AA-BW-06A
AA-BW-07A
AA-BW-08A
AA-BW-08B
AA-BW-09A
AA-BW-12A
AA-MW-07
EC-2
H-21R
H-28
H-43


Water Level Hydrograph - Upgradient Wells
Groundwater Elevation (ft-amsl)
1730.0
1725.0
1720.0
1715.0
1710.0
4/05
10/07
1/09
4/09
Date
AA-BW-08A
AA-BW-08B
AA-BW-09A
AA-BW-12A
AA-MW-07
EC-2


Water Level Hydrograph - Crossgradient Wells
Groundwater Elevation (ft-amsl)
1715.0
1710.0
1705.0
1700.0
4/05
10/07
1/09
4/09
Date
AA-BW-01A
AA-BW-02A
AA-BW-03A
AA-BW-07A


Water Level Hydrograph - Downgradient Wells
Groundwater Elevation (ft-amsl)
1700.0
1695.0
1690.0
4/05
10/07
1/09
4/09
Date
AA-BW-04A
AA-BW-05A
AA-BW-06A
H-21R
H-28
H-43
M7B

1st QUARTER 2009 SAMPLING FORMS

Page 1 of 1

Monitoring Well Low-Flow Purge/Sampling Form

Project: BRC-CAMU

Well ID:	AA-BW-01A	Screened Interval (ft)	33'-53' BTOC	Well Diameter (in):	4"
Date:	1/12/09	Pump Intake Depth (ft)	54.7 BTOC	Static Water Level (ft):	39.68 BTOC
Sample ID	AA-BW-01A-1Q CAMU	Purging/ Sample Device:	DEDICATED	Total Well depth (ft):	55.88 BTOC
Time:	1005	PID Reading at TOC:	0.0(1in) 0.1(10.6)	Water Column Length:	16.20
Dup ID:	—	Water Level Instrument :	SOLINST	Minimum Purge Volume:	
Rinsate ID:	—	WLI Serial #:	1220096 57-1	Samplers Name:	M. Schmidt, D. Ortega
MS/MSD ID:	—	Water Quality Meter:	HORIBA U-22	Optimal Pump Setting:	PSI 40 CPM 3 ID: 74
Analysis:	CAMU GW Sr, F	Water Quality Meter Serial #:	610013	Low-Flow or Net Purge:	Low Flow
		WQM Calibrated Date & Time:	1/9/09 0649		

Time	Volume Purged	Flow Rate	Water Level (feet BTOC)	Specific Conductance (mS/cm)	pH	Temp.	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Salinity	TDS
	Liters	ml/min	± 0.1 ft	3%	± 0.1	± 0.2	± 10%	± 10%	± 10%	%	g/L
940	START PURGE										
942	.5	250	39.78	26.5	7.58	22.79	1.69	-112	25.8	1.7	17
945	1.5	250	39.80	27.0	7.56	23.50	0.43	-124	16.7	1.7	17
949	2.25	200	39.85	27.1	7.57	23.49	0.15	-131	1.2	1.7	17
952	3.0	200	39.85	27.2	7.59	23.51	0.09	-134	0.0	1.7	17
955	3.5	200	39.85	27.2	7.61	23.05	0.12	-136	0.0	1.7	17
958	4.0	200	39.83	27.2	7.60	23.36	0.02	-138	0.0	1.7	17
1001	4.5	200	39.83	27.3	7.60	23.68	0.0	-140	0.0	1.7	17
1004	5.0	200	39.85	27.3	7.60	23.69	0.0	-141	0.0	1.7	17
1005	Commence Sampling										
1145	Sampling Complete		39.83								

Comments:

Maximum permissable drawdown = _____ ft BTOC, water level not to draw down below _____ BTOC

Optimal drawdown for low-flow micropurge sampling is less than 0.3 ft at a flow rate of 0.1 to 1.0 L/min.

If drawdown exceeds 0.3 ft at a flow rate of 0.1 L/min....then attempt to achieve drawdown less than or equal to 25

This is performed by subtracting pump intake and top of screen for fully submerged screens then multiplying by 25%

and static water level and multiplying by 25% for water table wells with partly submerged screens.

...val at flow rate ...al to 0.1 to 1.0 L/min.

...etween pu... ...ake

Page___of___

Monitoring Well Low-Flow Purge/Sampling Form

Project: BRC-Cam

Well ID:	AA-BW-01A	Screened Interval (ft)	33-53 BTOC	Well Diameter (in):	4"
Date:	1/30/09	Pump Intake Depth (ft)	54.7 BTOC	Static Water Level (ft):	39.69 BTOC
Sample ID	AA-BW-01A-IR Cam	Purging/ Sample Device:	Dedicated	Total Well depth (ft):	55.88 BTOC
Time:	0825	PID Reading at TOC:		Water Column Length:	16.19
Dup ID:	—	Water Level Instrument :	Solinst	Minimum Purge Volume:	
Rinsate ID:	—	WLI Serial #:	122009657	Samplers Name:	M. Schmidt, A. Beck
MS/MSD ID:	—	Water Quality Meter:	Horiba	Optimal Pump Setting:	PSI 40 CPM 3 ID: 74
Analysis:	[illegible]	Water Quality Meter Serial #:	610013	Low-Flow or Net Purge:	Low Flow
		WQM Calibrated Date & Time:	1/30/09 0700		

Time	Volume Purged	Flow Rate	Water Level (feet - BTOC)	Specific Conductance (mS/cm)	pH	Temp.	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Salinity	TDS
	Liters	ml/min	± 0.1 ft	3%	± 0.1	± 0.2	± 10%	± 10%	± 10%	%	g/L
801	start purge										
804	.5	200	39.80	28.7	7.43	19.23	5.23	-100	4.2	1.7	17
807	1.0	200	39.80	27.2	7.20	21.45	1.51	-154	6.4	1.7	17
810	1.5	200	39.80	26.7	7.39	22.22	0.60	-179	0.0	1.7	17
813	2.0	200	39.81	26.8	7.54	22.65	0.33	-188	0.0	1.6	17
816	2.5	200	39.80	26.9	7.60	22.73	0.21	-193	0.0	1.7	17
819	3.0	200	39.80	26.9	7.63	22.77	0.18	-193	0.0	1.7	17
822	4.0	200	39.88	26.8	7.64	22.78	0.18	-197	0.0	1.7	17
825	Commence Sampling										
	Sample Complete		39.83								

Comments: ___

Maximum permissable drawdown = ______ ft BTOC, water level not to draw down below ______ ft BTOC

Optimal drawdown for low-flow micropurge sampling is less than 0.3 ft at a flow rate of 0.1 to 1.0 L/min.

If drawdown exceeds 0.3 ft at a flow rate of 0.1 L/min....then attempt to achieve drawdown less than or equal to 25% of the available screen interval at flow rate equal to 0.1 to 1.0 L/min.

This is performed by subtracting pump intake and top of screen for fully submerged screens then multiplying by 25%, or subtracting the distance between pump intake and static water level and multiplying by 25% for water table wells with partly submerged screens.

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Monitoring Well Low-Flow Purge/Sampling Form

Project: BRC - CAMU

Well ID:	AA-BW-02A	Screened Interval (ft)	33' - 53'	Well Diameter (in):	4"
Date:	1119/09	Pump Intake Depth (ft)	52' BTOC	Static Water Level (ft):	41.61
Sample ID	AA-BW-02A-1Q-CAMU	Purging/ Sample Device:	Dedicated	Total Well depth (ft):	55.57
Time:	0740	PID Reading at TOC:	0.8(11.7) 0.4(10.6)	Water Column Length:	10.26
Dup ID:	AA-BW-02A-1Q-CAMUFD	Water Level Instrument :	Solinst	Minimum Purge Volume:	
Rinsate ID:	—	WLI Serial #:	122 001657-1	Samplers Name:	M. Schmidt, D. ORTEGA
MS/MSD ID:	—	Water Quality Meter:	Horiba U-22	Optimal Pump Setting:	PSI 70 CPM 3 ID: 73
Analysis:	CAMU GW SUITE	Water Quality Meter Serial #:	610013	Low-Flow or Net Purge:	Low Flow
		WQM Calibrated Date & Time:	11/9/09 0649		

Time	Volume Purged	Flow Rate	Water Level (feet BTOC)	Specific Conductance (mS/cm)	pH	Temp.	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Salinity	TDS
	Liters	ml/min	± 0.1 ft	3%	± 0.1	± 0.2	± 10%	± 10%	± 10%	%	g/L
715	START PUMP										
717	.5	300	41.61	18.9	6.75	22.74	2.30	70	6.9	1.1	12
720	1.5	300	41.62	18.8	7.34	23.36	0.46	20	0.0	1.1	12
723	2.5	300	41.61	18.9	7.57	23.33	0.10	4	0.0	1.1	12
726	3.5	300	41.61	18.8	7.63	23.23	0.05	-3	0.0	1.1	12
729	4.5	350	41.70	18.9	7.62	23.95	0.00	-11	0.0	1.1	12
732	5.5	350	41.70	18.9	7.70	23.82	0.00	-16	0.0	1.1	12
735	6.5	350	41.71	18.9	7.72	23.95	0.00	-19	0.0	1.1	12
738	7.5	350	41.70	18.9	7.72	23.91	0.00	-20	0.0	1.1	12
742	COMPLETE SAMPLING										
921	SAMPLING COMPLETE		41.70								

Comments:

Maximum permissable drawdown = _____ ft BTOC, water level not to draw down below _____ ft BTOC

Optimal drawdown for low-flow micropurge sampling is less than 0.3 ft at a flow rate of 0.1 to 1.0 L/min.

If drawdown exceeds 0.3 ft at a flow rate of 0.1 L/min....then attempt to achieve drawdown less than or equal to 25% of the available screen interval at flow rate equal to 0.1 to 1.0 L/min.

This is performed by subtracting pump intake and top of screen for fully submerged screens then multiplying by 25%, or subtracting the distance between pump intake and static water level and multiplying by 25% for water table wells with partly submerged screens.

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Monitoring Well Low-Flow Purge/Sampling Form

Project: BRC CAMU

Well ID:	AA-BW-02A	Screened Interval (ft)	33-53 BTOC	Well Diameter (in):	4"
Date:	1/30/09	Pump Intake Depth (ft)	~52 BTOC	Static Water Level (ft):	41.64
Sample ID	AA-BW-02A-10Cam	Purging/ Sample Device:	Dedicated	Total Well depth (ft):	55.87
Time:		PID Reading at TOC:		Water Column Length:	14.23
Dup ID:	AA-BW-02A-DUP-CAMU(AA)	Water Level Instrument :	Solinst	Minimum Purge Volume:	
Rinsate ID:	—	WLI Serial #:	1220096S7	Samplers Name:	M. Schmidt, A. Kreft
MS/MSD ID:	—	Water Quality Meter:	Horiba	Optimal Pump Setting:	PSI 70 CPM 3 ID: 7.3
Analysis:	metals, Hg, chloride	Water Quality Meter Serial #:	610013	Low-Flow or Net Purge:	Low Flow
		WQM Calibrated Date & Time:	1/30/09 0700		

Time	Volume Purged	Flow Rate	Water Level (feet - BTOC)	Specific Conductance (mS/cm)	pH	Temp.	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Salinity	TDS
	Liters	**ml/min**	**± 0.1 ft**	**3%**	**± 0.1**	**± 0.2**	**± 10%**	**± 10%**	**± 10%**	**%**	**g/L**
843	START PUMP										
845	.5	350	41.69	18.4	7.46	23.52	0.56	-55	0.0	1.1	12
848	1.5	350	41.69	18.6	7.65	23.41	0.22	-65	0.0	1.1	12
851	2.5	350	41.69	18.7	7.77	23.58	0.03	-74	0.0	1.1	12
854	3.4.0	350	41.69	18.7	7.80	23.65	0.00	-77	0.0	1.1	12
857	5.0	350	41.69	18.7	7.81	23.68	0.00	-77	0.0	1.1	12
900	6.0	350	41.69	18.6	7.80	23.69	0.00	-78	0.0	1.1	12
0900	Commence Sampling										
	Sample Complete		41.69								

Comments: _____

Maximum permissable drawdown = _____ ft BTOC, water level not to draw down below _____ ft BTOC

Optimal drawdown for low-flow micropurge sampling is less than 0.3 ft at a flow rate of 0.1 to 1.0 L/min.

If drawdown exceeds 0.3 ft at a flow rate of 0.1 L/min....then attempt to achieve drawdown less than or equal to 25% of the available screen interval at flow rate equal to 0.1 to 1.0 L/min.

This is performed by subtracting pump intake and top of screen for fully submerged screens then multiplying by 25%, or subtracting the distance between pump intake and static water level and multiplying by 25% for water table wells with partly submerged screens.

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Monitoring Well Low-Flow Purge/Sampling Form

Project: BRC-CAMU

Well ID:	AA-BW-03A	Screened Interval (ft)	33-53 bgs	Well Diameter (in):	4"
Date:	1/21/09	Pump Intake Depth (ft)	50.3 bgs	Static Water Level (ft):	39.67
Sample ID	AA-BW-03A-10-CAMU	Purging/ Sample Device:	Dedicated	Total Well depth (ft):	56.10
Time:	0755	PID Reading at TOC:	0.0 (10.6) 0.9 (11.6)	Water Column Length:	16.43
Dup ID:	—	Water Level Instrument :	Solinst	Minimum Purge Volume:	
Rinsate ID:	—	WLI Serial #:	1220096 57-1	Samplers Name:	M. Schmidt, D. Ortega
MS/MSD ID:	—	Water Quality Meter:	Horiba	Optimal Pump Setting:	PSI_____ CPM_____ ID:_____
Analysis:	CAMU GWSS, TE	Water Quality Meter Serial #:	610013	Low-Flow or Net Purge:	Low Flow
		WQM Calibrated Date & Time:	1/21/09 0719		

Time	Volume Purged	Flow Rate	Water Level (feet BTOC)	Specific Conductance (mS/cm)	pH	Temp.	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Salinity	TDS
	Liters	**ml/min**	**± 0.1 ft**	**3%**	**± 0.1**	**± 0.2**	**± 10%**	**± 10%**	**± 10%**	**%**	**g/L**
0285	START	pump									
0731	.5	150	39.83	12.1	7.22	20.75	1.96	41	00	0.7	8
0735	1.0	100	39.99	12.3	7.68	21.56	0.83	-12	0.4	0.7	8
0738	1.3	100	40.03	12.5	7.88	21.41	0.61	-28	0.6	0.7	8
0741	1.6	100	40.05	12.5	7.98	21.43	0.53	-39	0.0	0.7	8
0744	1.9	100	40.10	12.5	8.04	21.46	0.43	-45	0.0	0.7	8
0748	2.3	100	40.13	12.5	8.09	21.80	0.41	-52	0.0	0.7	8
0751	2.6	100	40.14	12.5	8.11	21.81	0.39	-56	0.0	0.7	8
0755	Complete Sampling										
1038	Sample Complete		40.15								

Comments: _____

Maximum permissable drawdown = 2.65 ft BTOC, water level not to draw down below 42.32 ft BTOC

Optimal drawdown for low-flow micropurge sampling is less than 0.3 ft at a flow rate of 0.1 to 1.0 L/min.

If drawdown exceeds 0.3 ft at a flow rate of 0.1 L/min....then attempt to achieve drawdown less than or equal to 25% of the available screen interval at flow rate equal to 0.1 to 1.0 L/min.

This is performed by subtracting pump intake and top of screen for fully submerged screens then multiplying by 25%, or subtracting the distance between pump intake and static water level and multiplying by 25% for water table wells with partly submerged screens.

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Monitoring Well Low-Flow Purge/Sampling Form

Project: BRC-Canal

Well ID:	AA-BW-03A	Screened Interval (ft)	33-53 bgs	Well Diameter (in):	4"
Date:	1/30/09	Pump Intake Depth (ft)	~50 bgs	Static Water Level (ft):	39.66
Sample ID	AA-BW-03A-10.Can	Purging/ Sample Device:	DEDICATED	Total Well depth (ft):	56.10
Time:		PID Reading at TOC:		Water Column Length:	16.44
Dup ID:	--	Water Level Instrument :	Solinst	Minimum Purge Volume:	
Rinsate ID:	--	WLI Serial #:	1220965?	Samplers Name:	M.Schmidt, A.Kirk
MS/MSD ID:	--	Water Quality Meter:	HORIBA	Optimal Pump Setting:	PSI 40 CPM 2 ID: 45
Analysis:	Metals, Hg, Cl, Sulfates	Water Quality Meter Serial #:	610015	Low-Flow or Net Purge:	Low Flow
		WQM Calibrated Date & Time:	1/30/09 0700		

Time	Volume Purged	Flow Rate	Water Level (feet - BTOC)	Specific Conductance (us/cm)	pH	Temp.	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Salinity	TDS
	Liters	**ml/min**	**± 0.1 ft**	**3%**	**± 0.1**	**± 0.2**	**± 10%**	**± 10%**	**± 10%**	**%**	**g/L**
1123	START PUMP										
1125	.5	100	39.90	11.8	6.55	22.69	2.16	-10	0.0	0.7	7
1129	1.0	100	39.92	12.0	7.03	23.11	1.20	-41	0.0	0.7	7
1132	1.3	100	39.90	12.2	7.42	23.32	0.57	-75	0.0	0.7	8
1135	1.6	100	STOPPED PUMP								
1151	START PUMP										
1152	2.0	100	39.97	12.1	7.75	22.98	0.44	-99	0.0	0.7	8
1155	2.3	100	40.05	12.2	7.77	23.04	0.49	-107	0.0	0.7	8
1158	2.6	100	40.10	12.3	7.85	23.37	0.24	-115	0.0	0.7	8
1203	3.0	100	40.15	12.3	7.91	23.47	0.16	-122	0.0	0.7	8
1207	3.4	100	40.21	12.3	7.93	23.45	0.15	-125	0.0	0.7	8
1210	3.7	100	40.23	12.3	7.93	23.44	0.13	-126	0.0	0.7	8
1210	COMMENCE SAMPLE										
	SAMPLE COMPLETE		40.32								

Comments: _____

Maximum permissable drawdown = 2.65 ft BTOC, water level not to draw down below 42.31 ft BTOC

Optimal drawdown for low-flow micropurge sampling is less than 0.3 ft at a flow rate of 0.1 to 1.0 L/min.

If drawdown exceeds 0.3 ft at a flow rate of 0.1 L/min....then attempt to achieve drawdown less than or equal to 25% of the available screen interval at flow rate equal to 0.1 to 1.0 L/min.

This is performed by subtracting pump intake and top of screen for fully submerged screens then multiplying by 25%, or subtracting the distance between pump intake and static water level and multiplying by 25% for water table wells with partly submerged screens.

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Monitoring Well Low-Flow Purge/Sampling Form

Project: BRC-CAMU

Well ID: AA-BW-04A
Date: 1/26/09
Sample ID: AA-BW-04A-10-CAMU
Time: 0730
Dup ID: AA-BW-04A-10-CAMU (FD)
Rinsate ID: —
MS/MSD ID: —
Analysis: CAMU GW Suite

Screened Interval (ft): 32-52 bgs
Pump Intake Depth (ft): 53.6 btoc
Purging/ Sample Device: Dedicated
PID Reading at TOC: 0 (low) o.k (ug)
Water Level Instrument: Solinst
WLI Serial #: 12200 9657-1
Water Quality Meter: Horiba
Water Quality Meter Serial #: U10013
WQM Calibrated Date & Time: 0709 1/26/09

Well Diameter (in): 4"
Static Water Level (ft): 38.17 btoc
Total Well depth (ft): 54.85
Water Column Length: 16.68
Minimum Purge Volume:
Samplers Name: M. Schmidt, D. Cortez
Optimal Pump Setting: PSI 20 CPM 4 ID: 1103
Low-Flow or Net Purge: Low Flow

Time	Volume Purged	Flow Rate	Water Level (feet BTOC)	Specific Conductance (mS/cm)	pH	Temp.	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Salinity	TDS
	Liters	ml/min	± 0.1 ft	3%	± 0.1	± 0.2	± 10%	± 10%	± 10%	%	g/L
0710	Start pump										
0713	1.5	500	38.23	36.0	7.91	25.36	0.56	-91	55.6	2.3	22
0716	3.0	500	38.25	36.0	8.24	25.42	0.49	-103	30.1	2.3	22
0719	4.5	500	38.23	35.9	8.31	25.46	0.43	-102	19.4	2.3	22
0722	6.0	500	38.24	36.0	8.35	25.53	0.29	-101	14.9	2.3	22
0725	7.5	500	38.25	36.0	8.36	25.59	0.22	-101	11.7	2.3	22
0728	9.0	500		36.0	8.36	25.49	0.22	-100	11.1	2.3	22
0730	Commence Sampling										
0940	Sampling Complete										

Comments:

Maximum permissable drawdown = _____ ft BTOC, water level not to draw down below _____ ft BTOC

Optimal drawdown for low-flow micropurge sampling is less than 0.3 ft at a flow rate of 0.1 to 1.0 L/min.

If drawdown exceeds 0.3 ft at a flow rate of 0.1 L/min....then attempt to achieve drawdown less than or equal to 25% of the available screen interval at flow rate equal to 0.1 to 1.0 L/min.

This is performed by subtracting pump intake and top of screen for fully submerged screens then multiplying by 25%, or subtracting the distance between pump intake and static water level and multiplying by 25% for water table wells with partly submerged screens.

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Monitoring Well Low-Flow Purge/Sampling Form

Project: BLC-Canada

Well ID: AA-BW-04A
Date: 2/3/09
Sample ID: AA-BW-04A-10-090203
Time: 0720
Dup ID: AA-BW-04A-10-090203(FD)
Rinsate ID: —
MS/MSD ID: —
Analysis: RADON

Screened Interval (ft): 32'-52' bgs
Pump Intake Depth (ft): ~53.5' BTOC
Purging/ Sample Device: Dedicated
PID Reading at TOC:
Water Level Instrument: Solinst
WLI Serial #: 122009657
Water Quality Meter: Horiba
Water Quality Meter Serial #: 610013
WQM Calibrated Date & Time: 2/3/09 0050

Well Diameter (in): 4"
Static Water Level (ft): 38.19
Total Well depth (ft): 59.85
Water Column Length: 16.66
Minimum Purge Volume:
Samplers Name: M. Schmidt, A. Kirk
Optimal Pump Setting: PSI 40 CPM 4 ID: 103
Low-Flow or Net Purge: Low Flow

Time	Volume Purged	Flow Rate	Water Level (feet - BTOC)	Specific Conductance mS/cm	pH	Temp.	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Salinity	TDS
	Liters	**ml/min**	**± 0.1 ft**	**3%**	**± 0.1**	**± 0.2**	**± 10%**	**± 10%**	**± 10%**	**%**	**g/L**
0654	START pump										
0654	.5	250	38.20	34.7	6.76	20.53	4.11	81	0.0	2.2	21
0657	1.0	250	38.20	34.7	7.11	22.33	2.17	41	0.0	2.2	21
0700	1.5	250	38.20	34.8	7.64	23.64	0.99	-14	0.0	2.2	21
0703	2.0	250	38.20	34.9	7.84	23.71	0.79	-32	0.0	2.2	21
0704	3.0	250	38.20	34.9	8.00	23.95	0.55	-48	0.0	2.2	21
0709	3.5	250	38.20	34.9	8.07	24.05	0.46	-55	0.0	2.2	21
0712	4.0	250	38.20	34.9	8.10	24.11	0.41	-62	0.0	2.2	21
0715	4.5	250	38.20	34.9	8.12	24.05	0.40	-69	0.0	2.2	21
0719	5.5	250	38.20	34.8	8.12	24.09	0.39	-72	0.0	2.2	21
0720	Commence Sampling										
	Sample Complete		38.20								

Comments:

Maximum permissable drawdown = _____ ft BTOC, water level not to draw down below _____ ft BTOC

Optimal drawdown for low-flow micropurge sampling is less than 0.3 ft at a flow rate of 0.1 to 1.0 L/min.

If drawdown exceeds 0.3 ft at a flow rate of 0.1 L/min....then attempt to achieve drawdown less than or equal to 25% of the available screen interval at flow rate equal to 0.1 to 1.0 L/min.

This is performed by subtracting pump intake and top of screen for fully submerged screens then multiplying by 25%, or subtracting the distance between pump intake and static water level and multiplying by 25% for water table wells with partly submerged screens.

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Monitoring Well Low-Flow Purge/Sampling Form

Project: BRC-Camp

Well ID:	AA-BW-05A	Screened Interval (ft)	34.64' bgs	Well Diameter (in):	4"
Date:	1/23/09	Pump Intake Depth (ft)	63.2 bgs	Static Water Level (ft):	33.77
Sample ID	AA-BW-05A-10-CAmw	Purging/ Sample Device:	Dedicated	Total Well depth (ft):	65.40
Time:	0735	PID Reading at TOC:	0.2 (0.6) 0.0 (1.0)	Water Column Length:	31.63
Dup ID:	—	Water Level Instrument :	Solinst	Minimum Purge Volume:	
Rinsate ID:	—	WLI Serial #:		Samplers Name:	M.Schmidt, D.Gretz/A
MS/MSD ID:	AA-BW-05A-10-CAmw	Water Quality Meter:	Horiba U-22	Optimal Pump Setting:	PSI 50 CPM 3 ID: 0.2
Analysis:	CAmw 6w Sulfur	Water Quality Meter Serial #:	610013	Low-Flow or Net Purge:	Low Flow
		WQM Calibrated Date & Time:	1/23/09 0707		

Time	Volume Purged	Flow Rate	Water Level (feet BTOC)	Specific Conductance (mS/cm)	pH	Temp.	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Salinity	TDS
	Liters	ml/min	± 0.1 ft	3%	± 0.1	± 0.2	± 10%	± 10%	± 10%	%	g/L
715	Start pump										
719	1.0	352	33.98	43.0	7.79	25.24	0.36	-98	417	2.8	27
722	2.0	350	33.98	44.7	8.01	25.41	0.10	-108	357	2.9	27
725	3.5	352	33.98	45.0	8.03	25.60	0.01	-116	332	2.9	27
728	5.0	350	33.98	45.1	8.04	25.64	0.00	-111	319	2.9	27
0731	6.0	350	33.98	45.1	8.05	25.62	0.00	-112	316	2.9	27
0735	Commence Sampling										
1010	Sample Complete		33.98								

Comments:

Maximum permissable drawdown = _____ ft BTOC, water level not to draw down below _____ ft BTOC

Optimal drawdown for low-flow micropurge sampling is less than 0.3 ft at a flow rate of 0.1 to 1.0 L/min.

If drawdown exceeds 0.3 ft at a flow rate of 0.1 L/min....then attempt to achieve drawdown less than or equal to 25% of the available screen interval at flow rate equal to 0.1 to 1.0 L/min.

This is performed by subtracting pump intake and top of screen for fully submerged screens then multiplying by 25%, or subtracting the distance between pump intake and static water level and multiplying by 25% for water table wells with partly submerged screens.

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Monitoring Well Low-Flow Purge/Sampling Form

Project: BRC - CAMU

Well ID:	AA-BW-05A	Screened Interval (ft)	34 - 64' ~~bgs~~ bgs	Well Diameter (in):	4"
Date:	11/29/09	Pump Intake Depth (ft)	63.2' bgs	Static Water Level (ft):	33.80' BTOC
Sample ID	AA-BW-05A	Purging/ Sample Device:	Dedicated pump	Total Well depth (ft):	65.40' BTOC
Time:	1035	PID Reading at TOC:	—	Water Column Length:	31.60'
Dup ID:	—	Water Level Instrument :	Solinst	Minimum Purge Volume:	
Rinsate ID:	—	WLI Serial #:	12200657	Samplers Name:	Andy Kirk Matt Schmidt
MS/MSD ID:	—	Water Quality Meter:	Horiba U-22	Optimal Pump Setting:	PSI 50 CPM 3 ID: 32
Analysis:	Various	Water Quality Meter Serial #:	610013	Low-Flow or Net Purge:	Low-Flow
		WQM Calibrated Date & Time:	11/29/09 0726		

Time	Volume Purged	Flow Rate	Water Level (feet - BTOC)	Specific Conductance (mS/cm)	pH	Temp.	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Salinity	Settings + TDS
	Liters	ml/min	± 0.1 ft	3%	± 0.1	± 0.2	± 10%	± 10%	± 10%	%	g/L
1007	Pump	Start									
1011	1.0 L	350	33.95	41.7	7.80	24.20	0.70	-43	0.0	2.7	50 PSI 25 I.D. 32
1014	2.0	350	33.98	42.6	8.07	24.63	0.23	-57	0.0	2.8	26
1017	3.0	350	33.98	43.2	8.12	24.96	0.12	-62	70.0	2.8	26
1020	4.1	350	33.98	43.5	8.13	25.24	0.09	-64	70.0	2.8	27
1023	5.1	350	33.98	43.5	8.14	25.22	0.05	-65	70.0	2.8	27
1026	6.1	350	33.98	43.8	8.14	25.18	0.04	-67	70.0	2.8	27
1029	7.1	350	33.98	43.7	8.15	25.23	0.04	-68	70.0	2.8	27
1035	Commenced	Sampling									
1038	Sample	End	33.98								

Comments: 3' stick up to convert pump intake to BTOC

8.05 41.85

Maximum permissable drawdown = ~~7.30~~ ft BTOC, water level not to draw down below ~~37.50~~ ft BTOC

Optimal drawdown for low-flow micropurge sampling is less than 0.3 ft at a flow rate of 0.1 to 1.0 L/min.

If drawdown exceeds 0.3 ft at a flow rate of 0.1 L/min....then attempt to achieve drawdown less than or equal to 25% of the available screen interval at flow rate equal to 0.1 to 1.0 L/min.

This is performed by subtracting pump intake and top of screen for fully submerged screens then multiplying by 25%, or subtracting the distance between pump intake and static water level and multiplying by 25% for water table wells with partly submerged screens.

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Monitoring Well Low-Flow Purge/Sampling Form

Project: B2C-CAMU

Well ID:	AA-BW-05A	Screened Interval (ft)	34-64 bgs	Well Diameter (in):	4"
Date:	2/3/09	Pump Intake Depth (ft)	~63 bgs	Static Water Level (ft):	33.80
Sample ID	AA-BW-05A-10-CAMU	Purging/ Sample Device:	Dedicated	Total Well depth (ft):	65.40
Time:	0905	PID Reading at TOC:		Water Column Length:	31.60
Dup ID:	-	Water Level Instrument :	Solinst	Minimum Purge Volume:	
~~Rinsate ID:~~	~~AA-BW-05A-10-CAMU~~	WL Serial #:	1220096577	Samplers Name:	M. Schmidt, A. Kirk
MS/MSD ID:	-	Water Quality Meter:	Horiba	Optimal Pump Setting:	PSI 50 CPM 4 ID: 103
Analysis:	RADON	Water Quality Meter Serial #:	610013	Low-Flow or Net Purge:	Low Flow
		WQM Calibrated Date & Time:	2/2/09 0650		

Time	Volume Purged	Flow Rate	Water Level (feet - BTOC)	Specific Conductance (mS/cm)	pH	Temp.	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Salinity	TDS
	Liters	**ml/min**	**± 0.1 ft**	**3%**	**± 0.1**	**± 0.2**	**± 10%**	**± 10%**	**± 10%**	**%**	**g/L**
0738	START PUMP										
0741	1.5	150	33.93	42.2	7.49	19.48	1.25	-18	0.0	2.8	26
0744	1.5	250	33.90	43.1	7.34	23.29	0.80	-25	0.0	2.8	26
0747	2.0	200	33.90	43.4	7.60	24.32	0.22	-36	0.0	2.8	26
0750	3.0	250	33.91	43.2	7.82	24.65	0.11	-76	0.0	2.8	26
0754	4.0	250	33.90	43.3	7.88	24.70	0.07	-84	0.0	2.8	26
0758	5.0	250	33.90	43.3	7.90	24.70	0.05	-87	0.0	2.8	26
0801	6.0	250	33.90	43.2	7.91	24.71	0.04	-88	0.0	2.8	26
0805	Commence Sampling										
	Sample Collected		33.90								

Comments:

Maximum permissable drawdown = _____ ft BTOC, water level not to draw down below _____ ft BTOC

Optimal drawdown for low-flow micropurge sampling is less than 0.3 ft at a flow rate of 0.1 to 1.0 L/min.

If drawdown exceeds 0.3 ft at a flow rate of 0.1 L/min....then attempt to achieve drawdown less than or equal to 25% of the available screen interval at flow rate equal to 0.1 to 1.0 L/min.

This is performed by subtracting pump intake and top of screen for fully submerged screens then multiplying by 25%, or subtracting the distance between pump intake and static water level and multiplying by 25% for water table wells with partly submerged screens.

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Monitoring Well Low-Flow Purge/Sampling Form

Project: CAMU Sampling

Well ID:	AA-BW-06A	Screened Interval (ft)	23-43' bgs	Well Diameter (in):	4"
Date:	11/27/09	Pump Intake Depth (ft)	43' bgs	Static Water Level (ft):	32.89' BTOC
Sample ID	AA-BW-06A	Purging/ Sample Device:	Dedicated Pump	Total Well depth (ft):	45.35' BTOC
Time:	0955	PID Reading at TOC:	0.0(10.6); 0.0(11.7)	Water Column Length:	12.46'
Dup ID:	N/A	Water Level Instrument :	Solinst	Minimum Purge Volume:	
Rinsate ID:	N/A	WLI Serial #:	122009657	Samplers Name:	Andrew Kirk Dave ortega
MS/MSD ID:	N/A	Water Quality Meter:	Horiba U-22	Optimal Pump Setting:	PSI 60 CPM 3 ID: 83
Analysis:	Various	Water Quality Meter Serial #:	2610013	Low-Flow or Net Purge:	LOW-FLOW
		WQM Calibrated Date & Time:	11/27/09 0710		

Time	Volume Purged	Flow Rate	Water Level (feet BTOC)	Specific Conductance (ms/cm)	pH	Temp.	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Salinity	settings ↓ TDS
	Liters	ml/min	± 0.1 ft	3%	± 0.1	± 0.2	± 10%	± 10%	± 10%	%	g/L
0920	Pump	start									
0925	150 ml	150	32.91	7.06	8.30	18.53	4.98	-119	6.3	0.4	40 PSI 4.5 I.D.8
0928	1.0 L	350	32.92	8.01	8.26	22.11	1.39	-136	0.7	0.4	60 PSI 5.1 I.D.48
0931	2.4	500	32.93	8.93	8.28	23.99	0.24	-148	>0.0	0.5	60 PSI 5.7 I.D.82
0934	3.9	500	32.93	8.91	8.32	24.05	0.07	-154	>0.0	0.5	5.6
0937	5.4	500	32.93	8.90	8.34	24.14	0.00	-160	>0.0	0.5	5.6
0940	6.9	500	32.93	8.92	8.35	24.12	0.00	-163	>0.0	0.5	5.6
0943	8.4	500	32.93	8.98	8.34	24.12	0.00	-166	>0.0	0.5	5.6
0946	9.9	500	32.93	8.92	8.36	24.14	0.00	-167	>0.0	0.5	5.6
0955	Commenced	Sampling									
1035	Sample	End	32.93								

Comments: * Screen not fully submerged so pump intake minus static water level x 25%. Added 3' to the pump intake to convert to BTOC (3' stick up).

* Maximum permissable drawdown = 3.27 ft BTOC, water level not to draw down below 36.16 ft BTOC

Optimal drawdown for low-flow micropurge sampling is less than 0.3 ft at a flow rate of 0.1 to 1.0 L/min.

If drawdown exceeds 0.3 ft at a flow rate of 0.1 L/min....then attempt to achieve drawdown less than or equal to 25% of the available screen interval at flow rate equal to 0.1 to 1.0 L/min.

This is performed by subtracting pump intake and top of screen for fully submerged screens then multiplying by 25%, or subtracting the distance between pump intake and static water level and multiplying by 25% for water table wells with partly submerged screens.

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Monitoring Well Low-Flow Purge/Sampling Form

Project: BEC-CAMP

Well ID:	AA-BW-06A	Screened Interval (ft)	25.43' bgs	Well Diameter (in):	4"
Date:	1/29/09	Pump Intake Depth (ft)	~ 43' bgs	Static Water Level (ft):	32.82' BTOC
Sample ID	AA-BW-06A-(0)-090129	Purging/ Sample Device:	Dedicated	Total Well depth (ft):	45.35 BTOC
Time:	1305	PID Reading at TOC:		Water Column Length:	12.53'
Dup ID:	-	Water Level Instrument :	Solinst	Minimum Purge Volume:	
Rinsate ID:	-	WLI Serial #:	1220096857	Samplers Name:	M. Schmidt, A Kemble
MS/MSD ID:	-	Water Quality Meter:	Horiba	Optimal Pump Setting:	PSI 60 CPM 5 ID: 8'2
Analysis:	white phos	Water Quality Meter Serial #:	610013	Low-Flow or Net Purge:	Low Flow
		WQM Calibrated Date & Time:	1/29/09 0726		

Time	Volume Purged	Flow Rate	Water Level (feet - BTOC)	Specific Conductance (mS/cm)	pH	Temp.	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Salinity	TDS
	Liters	**ml/min**	**± 0.1 ft**	**3%**	**± 0.1**	**± 0.2**	**± 10%**	**± 10%**	**± 10%**	**%**	**g/L**
1245	STARTED PUMP										
1248	2.0	500	32.86	8.80	7.95	24.67	0.08	-188	0.0	0.5	5.5
1251	3.5	500	32.86	8.74	8.24	24.57	0.00	-203	0.0	0.5	5.5
1254	5.0	500	32.86	8.64	8.34	24.60	0.00	-210	0.0	0.5	5.4
1257	6.5	500	32.86	8.62	8.36	24.56	0.00	-212	0.0	0.5	5.4
1300	8.0	500	32.86	8.62	8.37	24.68	0.00	-215	0.0	0.5	5.4
1303	9.5	500	32.86	8.61	8.38	24.67	0.00	-216	0.0	0.5	5.4
1305	Commenced Sampling										
	SAMPLE END		32.86								

Comments: _____

Maximum permissable drawdown = _____ ft BTOC, water level not to draw down below _____ ft BTOC

Optimal drawdown for low-flow micropurge sampling is less than 0.3 ft at a flow rate of 0.1 to 1.0 L/min.

If drawdown exceeds 0.3 ft at a flow rate of 0.1 L/min....then attempt to achieve drawdown less than or equal to 25% of the available screen interval at flow rate equal to 0.1 to 1.0 L/min.

This is performed by subtracting pump intake and top of screen for fully submerged screens then multiplying by 25%, or subtracting the distance between pump intake and static water level and multiplying by 25% for water table wells with partly submerged screens.

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Monitoring Well Low-Flow Purge/Sampling Form

Project: BRC-CAMU

Well ID:	MW-BW-06A	Screened Interval (ft)	23'-43' bgs	Well Diameter (in):	4"
Date:	2/2/09	Pump Intake Depth (ft)	43' bgs	Static Water Level (ft):	32.80 btoc
Sample ID	MW-BW-06A-1Q	~~Purging~~/ Sample Device:	Dedicated	Total Well depth (ft):	45.35 btoc
Time:	1125	PID Reading at TOC:		Water Column Length:	12.55
Dup ID:	—	Water Level Instrument :	Solinst	Minimum Purge Volume:	
Rinsate ID:	—	WLI Serial #:	1220765?	Samplers Name:	M. Schmidt, A. Leek
MS/MSD ID:	—	Water Quality Meter:	Horiba	Optimal Pump Setting:	PSI 40 CPM 4 ID: 03
Analysis:	Radon	Water Quality Meter Serial #:	610013	Low-Flow or Net Purge:	Low Flow
		WQM Calibrated Date & Time:	2/2/09 0710		

Time	Volume Purged	Flow Rate	Water Level (feet - BTOC)	Specific Conductance (ms/cm)	pH	Temp.	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Salinity	TDS
	Liters	**ml/min**	**± 0.1 ft**	**3%**	**± 0.1**	**± 0.2**	**± 10%**	**± 10%**	**± 10%**	**%**	**g/L**
1100	START pump										
1102	.5	350	32.84	8.81	7.01	23.96	0.79	-123	0.0	0.5	5.6
1105	2.0	350	32.84	8.84	7.90	24.24	0.09	-201	0.0	0.5	5.6
1108	3.0	350	32.84	8.80	8.12	24.42	0.03	-214	0.0	0.5	5.5
1111	4.0	350	32.84	8.75	8.19	24.51	0.00	-224	0.0	0.5	5.5
1114	5.0	350	32.84	8.65	8.22	24.42	0.00	-231	0.0	0.5	5.5
1117	6.0	350	32.84	8.64	8.22	24.41	0.00	-234	0.0	0.5	5.4
1120	7.0	350	32.84	8.66	8.22	24.40	0.00	-234	0.0	0.5	5.4
1125	Commence Sampling										
	Sample Complete 32.84										

Comments: _____

Maximum permissable drawdown = _____ ft BTOC, water level not to draw down below _____ ft BTOC

Optimal drawdown for low-flow micropurge sampling is less than 0.3 ft at a flow rate of 0.1 to 1.0 L/min.

If drawdown exceeds 0.3 ft at a flow rate of 0.1 L/min....then attempt to achieve drawdown less than or equal to 25% of the available screen interval at flow rate equal to 0.1 to 1.0 L/min.

This is performed by subtracting pump intake and top of screen for fully submerged screens then multiplying by 25%, or subtracting the distance between pump intake and static water level and multiplying by 25% for water table wells with partly submerged screens.

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Monitoring Well Low-Flow Purge/Sampling Form

Project: BRC-CAMW

Well ID:	AA-BW-07A	Screened Interval (ft)	32-52 bgs	Well Diameter (in):	4"
Date:	1/21/09	Pump Intake Depth (ft)	48.3 bgs	Static Water Level (ft):	39.42
Sample ID	AA-BW-07A-10-CAMW	Purging/ Sample Device:	Dedicated	Total Well depth (ft):	54.70
Time:		PID Reading at TOC:	0.1(10.6) 0.9(11.7)	Water Column Length:	15.28
Dup ID:	—	Water Level Instrument :	Solinst	Minimum Purge Volume:	
Rinsate ID:	—	WLI Serial #:	122009657-1	Samplers Name:	M. Schmidt D. Gateman
MS/MSD ID:	—	Water Quality Meter:	Horiba	Optimal Pump Setting:	PSI 70 CPM 4 ID: 0.3
Analysis:	CAMW GW 3, Fe	Water Quality Meter Serial #:	610013	Low-Flow or Net Purge:	Low Flow
		WQM Calibrated Date & Time:	1/21/09 0715		

Time	Volume Purged	Flow Rate	Water Level (feet BTOC)	Specific Conductance (ms/cm)	pH	Temp.	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Salinity	TDS
	Liters	ml/min	± 0.1 ft	3%	± 0.1	± 0.2	± 10%	± 10%	± 10%	%	g/L
1128	START PUMP										
1130	.5	500	39.44	7.21	8.12	24.35	4.23	397	16.6	0.4	4.5
1134	2.5	500	39.44	6.97	8.05	24.59	4.07	404	8.9	0.4	4.4
1138	4.5	500	39.45	6.94	8.03	24.67	4.03	407	5.4	0.4	4.4
1141	6.0	500	39.44	6.93	8.03	24.58	4.01	408	5.4	0.4	4.4
1145	8.0	500	39.44	6.92	8.02	24.62	4.03	410	3.9	0.4	4.4
1150	COMMENCE SAMPLING										
1249	SAMPLING COMPLETE		39.44								

Comments:

Maximum permissable drawdown = _____ ft BTOC, water level not to draw down below _____ ft BTOC

Optimal drawdown for low-flow micropurge sampling is less than 0.3 ft at a flow rate of 0.1 to 1.0 L/min.

If drawdown exceeds 0.3 ft at a flow rate of 0.1 L/min....then attempt to achieve drawdown less than or equal to 25% of the available screen interval at flow rate equal to 0.1 to 1.0 L/min.

This is performed by subtracting pump intake and top of screen for fully submerged screens then multiplying by 25%, or subtracting the distance between pump intake and static water level and multiplying by 25% for water table wells with partly submerged screens.

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Monitoring Well Low-Flow Purge/Sampling Form

Project: BRC-CAMU

Well ID:	AA-BW-07A	Screened Interval (ft)	32'-52' bgs	Well Diameter (in):	4"
Date:	2/2/09	Pump Intake Depth (ft)	~48 bgs	Static Water Level (ft):	39.45
Sample ID	AA-BW-07A-102	Purging/ Sample Device:	Dedicated	Total Well depth (ft):	54.70
Time:	1040	PID Reading at TOC:		Water Column Length:	15.25
Dup ID:	—	Water Level Instrument :	Solinst	Minimum Purge Volume:	
Rinsate ID:	—	WLI Serial #:	12200957	Samplers Name:	M. Schmidt, A. Kirk
MS/MSD ID:	—	Water Quality Meter:	Horiba	Optimal Pump Setting:	PSI 30 CPM 4 ID: 10B
Analysis:	RADON	Water Quality Meter Serial #:	610013	Low-Flow or Net Purge:	Low Flow
		WQM Calibrated Date & Time:	2/2/09 0710		

Time	Volume Purged	Flow Rate	Water Level (feet - BTOC)	Specific Conductance (µS/cm)	pH	Temp.	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Salinity	TDS
	Liters	**ml/min**	**± 0.1 ft**	**3%**	**± 0.1**	**± 0.2**	**± 10%**	**± 10%**	**± 10%**	**%**	**g/L**
1015	START PUMP										
1018	.5	250	39.44	9.6	7.01	23.27	3.75	282	0.0	0.4	4.8
1022	2.0	250	39.44	7.13	7.32	23.42	3.90	362	0.0	0.4	4.4
1025	2.5	250	39.44	6.86	7.57	23.63	3.92	395	0.0	0.4	4.3
1028	3.0	250	39.44	6.82	7.71	23.72	4.01	406	0.0	0.4	4.3
1031	3.5	250	39.44	6.79	7.76	23.62	4.02	407	0.0	0.4	4.3
1034	4.0	250	39.44	6.79	7.77	23.64	4.05	410	0.0	0.4	4.3
1037	4.5	250	39.44	6.79	7.78	23.64	4.08	409	0.0	0.4	4.3
1040	Connected	Sampling									
1042	Sample	End	39.44								

Comments: _____

Maximum permissable drawdown = _____ ft BTOC, water level not to draw down below _____ ft BTOC

Optimal drawdown for low-flow micropurge sampling is less than 0.3 ft at a flow rate of 0.1 to 1.0 L/min.

If drawdown exceeds 0.3 ft at a flow rate of 0.1 L/min....then attempt to achieve drawdown less than or equal to 25% of the available screen interval at flow rate equal to 0.1 to 1.0 L/min.

This is performed by subtracting pump intake and top of screen for fully submerged screens then multiplying by 25%, or subtracting the distance between pump intake and static water level and multiplying by 25% for water table wells with partly submerged screens.

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Monitoring Well Low-Flow Purge/Sampling Form

Project: BLC-Camp

Well ID:	AA-MW-07	Screened Interval (ft)	30.5' - 70.5'	Well Diameter (in):	4"
Date:	1/22/09	Pump Intake Depth (ft)	~ 50'	Static Water Level (ft):	38.85 BTOC
Sample ID	AAMW-07-12 Camp	Purging/ Sample Device:	Redi-Flo	Total Well depth (ft):	76.35 BTOC
Time:	1140	PID Reading at TOC:	0.1(10.6), 0.2(11.7)	Water Column Length:	37.50
Dup ID:	—	Water Level Instrument :	Solinst	Minimum Purge Volume:	
Rinsate ID:	—	WLI Serial #:	122009657-1	Samplers Name:	M. Schmidt, D. Ortega
MS/MSD ID:	—	Water Quality Meter:	Horiba	Optimal Pump Setting:	PSI 50 CPM 3 ID: 852
Analysis:	Camp 40 Suite	Water Quality Meter Serial #:	610013	Low-Flow or Net Purge:	Low Flow
		WQM Calibrated Date & Time:	1/22/09 0850		

Time	Volume Purged	Flow Rate	Water Level (feet BTOC)	Specific Conductance (mS/cm)	pH	Temp.	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Salinity	TDS
	Liters	ml/min	± 0.1 ft	3%	± 0.1	± 0.2	± 10%	± 10%	± 10%	%	g/L
1116	START pump										
1126	1.5	200	38.77	32.8	7.98	24.25	0.23	-131	0.0	2.1	20
1129	2.0	200	38.78	32.9	7.98	24.29	0.18	-131	0.0	2.1	20
1132	2.5	200	38.77	32.9	7.97	24.37	0.09	-133	0.0	2.1	20
1135	3.0	200	38.77	33.0	7.97	24.32	0.05	-134	0.0	2.1	20
1138	3.5	200	38.78	33.0	7.97	24.28	0.00	-134	0.0	2.1	20
1140	Commence Sampling										
1239	S. complete		38.78								

Comments: _____

Maximum permissable drawdown = _____ ft BTOC, water level not to draw down below _____ ft BTOC

Optimal drawdown for low-flow micropurge sampling is less than 0.3 ft at a flow rate of 0.1 to 1.0 L/min.

If drawdown exceeds 0.3 ft at a flow rate of 0.1 L/min....then attempt to achieve drawdown less than or equal to 25% of the available screen interval at flow rate equal to 0.1 to 1.0 L/min.

This is performed by subtracting pump intake and top of screen for fully submerged screens then multiplying by 25%, or subtracting the distance between pump intake and static water level and multiplying by 25% for water table wells with partly submerged screens.

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Monitoring Well Low-Flow Purge/Sampling Form

Project: BRC - CAMU

Well ID:	AA-MW-07A	Screened Interval (ft)	30.5 - 70.5' BTOC	Well Diameter (in):	4"
Date:	1/29/09	Pump Intake Depth (ft)	50' BTOC	Static Water Level (ft):	38.84' BTOC
Sample ID	AA-MW-07-1/29-CAMU	Purging/ Sample Device:	Peristaltic Pump	Total Well depth (ft):	76.35' BTOC
Time:	0910	PID Reading at TOC:		Water Column Length:	
Dup ID:	—	Water Level Instrument :	Solinst	Minimum Purge Volume:	
Rinsate ID:	—	WLI Serial #:	1222096 57	Samplers Name:	Andrew Kirk Matt Schmidt
MS/MSD ID:	—	Water Quality Meter:	Horiba U-22	Optimal Pump Setting:	PSI 50 CPM 3 ID: 32
Analysis:	Various	Water Quality Meter Serial #:	610013	Low-Flow or Net Purge:	Low - Flow
		WQM Calibrated Date & Time:			

Time	Volume Purged	Flow Rate	Water Level (feet - BTOC)	Specific Conductance (mS/cm)	pH	Temp.	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Salinity	Settings + TDS
	Liters	**ml/min**	**± 0.1 ft**	**3%**	**± 0.1**	**± 0.2**	**± 10%**	**± 10%**	**± 10%**	**%**	**g/L**
0848	Pump	Start									
0849	350 ml	350	38.87	28.9	7.65	22.01	0.17	-161	>20.0	1.8	** PSI 18 I.D. 32
0852	2.0 L	350	38.93	30.7	7.78	23.30	0.00	-159	20.0	1.9	19
0855	3.0	350	38.88	31.4	7.74	23.39	0.00	-155	20.0	2.0	19
0858	4.0	350	38.93	31.8	7.77	23.57	0.00	-153	20.0	2.0	19
0901	5.0	350	38.88	31.8	7.75	23.61	0.00	-156	20.0	2.0	19
0904	6.0	350	38.88	31.7	7.76	23.64	0.00	-155	20.0	2.0	19
0910	Commenced	Sampling									
	Sample	End	38.93								

Comments: _____

Maximum permissable drawdown = _____ ft BTOC, water level not to draw down below _____ ft BTOC

Optimal drawdown for low-flow micropurge sampling is less than 0.3 ft at a flow rate of 0.1 to 1.0 L/min.

If drawdown exceeds 0.3 ft at a flow rate of 0.1 L/min....then attempt to achieve drawdown less than or equal to 25% of the available screen interval at flow rate equal to 0.1 to 1.0 L/min.

This is performed by subtracting pump intake and top of screen for fully submerged screens then multiplying by 25%, or subtracting the distance between pump intake and static water level and multiplying by 25% for water table wells with partly submerged screens.

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Monitoring Well Low-Flow Purge/Sampling Form

Project: BEC Camp

Well ID:	AA-MW-07	Screened Interval (ft)	30.5 - 70.5 BTOC	Well Diameter (in):	4"
Date:	2/2/09	Pump Intake Depth (ft)	~50' BTOC	Static Water Level (ft):	38.97
Sample ID	AA-MW-07-020409	Purging/ Sample Device:	Peristaltic	Total Well depth (ft):	76.35'
Time:	0930	PID Reading at TOC:		Water Column Length:	37.68
Dup ID:	-	Water Level Instrument :	Solinst	Minimum Purge Volume:	
Rinsate ID:	-	WLI Serial #:	1220096577	Samplers Name:	M. Schmidt, A. Beek
MS/MSD ID:	-	Water Quality Meter:	Horiba	Optimal Pump Setting:	PSI 50 CPM 3 ID: #2
Analysis:	RADON	Water Quality Meter Serial #:	61003	Low-Flow or Net Purge:	Low Flow
		WQM Calibrated Date & Time:	2/2/09 0918		

Time	Volume Purged	Flow Rate	Water Level (feet - BTOC)	Specific Conductance (mS/cm)	pH	Temp.	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Salinity	TDS
	Liters	**ml/min**	**± 0.1 ft**	**3%**	**± 0.1**	**± 0.2**	**± 10%**	**± 10%**	**± 10%**	**%**	**g/L**
820	START PUMP										
822	.5	350	38.78	32.3	7.19	22.83	0.70	-163	0.4	2.1	20
825	1.5	350	38.81	31.5	6.56	23.31	0.26	-142	0.0	2.0	19
828	2.5	350	38.80	31.7	6.32	23.64	0.10	-124	0.0	2.0	19
831	3.5	350	38.83	31.9	6.13	23.70	0.04	-117	0.0	2.0	20
835	5.0	350	38.83	31.8	6.01	24.10	0.00	-103	0.0	2.0	19
838	6.0	350	38.83	31.6	5.94	23.91	0.00	-96	0.0	2.0	19
841	7.0	350	38.83	31.8	5.95	23.91	0.00	-94	0.0	2.0	19
844	8.0	350	38.83	31.5	5.95	23.91	0.00	-93	0.0	2.0	19
850	Remove tubing										
	SAMPLE Complete		38.83								

Comments: _____

Maximum permissable drawdown = _____ ft BTOC, water level not to draw down below _____ ft BTOC

Optimal drawdown for low-flow micropurge sampling is less than 0.3 ft at a flow rate of 0.1 to 1.0 L/min.

If drawdown exceeds 0.3 ft at a flow rate of 0.1 L/min....then attempt to achieve drawdown less than or equal to 25% of the available screen interval at flow rate equal to 0.1 to 1.0 L/min.

This is performed by subtracting pump intake and top of screen for fully submerged screens then multiplying by 25%, or subtracting the distance between pump intake and static water level and multiplying by 25% for water table wells with partly submerged screens.

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Monitoring Well Low-Flow Purge/Sampling Form

Project: BRC-CAMU

Well ID:	AA-BW-03A	Screened Interval (ft)	37.5'-57.5' bgs	Well Diameter (in):	4"
Date:	1/22/09	Pump Intake Depth (ft)	57.7 bgs	Static Water Level (ft):	51.09
Sample ID	AA-BW-03A-16-(Camu	Purging/ Sample Device:	DEDICATED	Total Well depth (ft):	60.65
Time:		PID Reading at TOC:	0.5(10.6) 0.7(11.7)	Water Column Length:	9.56
Dup ID:	–	Water Level Instrument :	SOLINST	Minimum Purge Volume:	
Rinsate ID:	–	WLI Serial #:	122209657-1	Samplers Name:	M. Schmidt D. ORTEGA
MS/MSD ID:	–	Water Quality Meter:	HORIBA U-22	Optimal Pump Setting:	PSI_____ CPM_____ ID:_____
Analysis:	Camu Gw Sr. Pz	Water Quality Meter Serial #:	610013	Low-Flow or Net Purge:	
		WQM Calibrated Date & Time:	1/20/09 0701		

Time	Volume Purged	Flow Rate	Water Level (feet BTOC)	Specific Conductance (mS/cm)	pH	Temp.	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Salinity	TDS
	Liters	**ml/min**	**± 0.1 ft**	**3%**	**± 0.1**	**± 0.2**	**± 10%**	**± 10%**	**± 10%**	**%**	**g/L**
0709	START pump										
0711	1.5	400	51.06	34.1	7.30	24.11	0.44	-115	0.0	2.1	21
0714	2.5	400	51.20	33.6	7.97	24.86	0.13	-136	0.0	2.1	20
0717	4.0	400	51.16	33.5	8.08	25.05	0.02	-150	0.0	2.1	20
0720	5.5	450	51.16	33.5	8.16	25.14	0.00	-157	0.0	2.1	20
0724	7.0	400	51.16	33.3	8.19	25.20	0.00	-161	0.0	2.1	20
0727	8.0	400	51.16	33.4	8.20	25.29	0.00	-164	0.0	2.1	20
0730	Commence Sampling										
0815	Sample Complete		51.10								

Comments: _____

Maximum permissable drawdown = _____ ft BTOC, water level not to draw down below _____ ft BTOC

Optimal drawdown for low-flow micropurge sampling is less than 0.3 ft at a flow rate of 0.1 to 1.0 L/min.

If drawdown exceeds 0.3 ft at a flow rate of 0.1 L/min....then attempt to achieve drawdown less than or equal to 25% of the available screen interval at flow rate equal to 0.1 to 1.0 L/min.

This is performed by subtracting pump intake and top of screen for fully submerged screens then multiplying by 25%, or subtracting the distance between pump intake and static water level and multiplying by 25% for water table wells with partly submerged screens.

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Monitoring Well Low-Flow Purge/Sampling Form

Project: BRC-Canal

Well ID:	AA-BW-08A	Screened Interval (ft)	37.5-57.5 Bgs	Well Diameter (in):	4"
Date:	1/29/09	Pump Intake Depth (ft)	~57.7' bgs	Static Water Level (ft):	51.08' BTOC
Sample ID	AA-BW-08A-10canal	Purging/ Sample Device:	Dedicated	Total Well depth (ft):	60.65
Time:	1410	PID Reading at TOC:		Water Column Length:	9.57
Dup ID:	—	Water Level Instrument :	Solinst	Minimum Purge Volume:	
Rinsate ID:	—	WLI Serial #:	122009657-1	Samplers Name:	M. Schmidt, A. Kirk
MS/MSD ID:	—	Water Quality Meter:	Horiba	Optimal Pump Setting:	PSI 60 CPM 3 ID: 82
Analysis:	Metals/Hg/[illegible]	Water Quality Meter Serial #:	610013	Low-Flow or Net Purge:	Low Flow
		WQM Calibrated Date & Time:	1/29/09 0724		

Time	Volume Purged	Flow Rate	Water Level (feet - BTOC)	Specific Conductance (ms/cm)	pH	Temp.	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Salinity	TDS
	Liters	ml/min	± 0.1 ft	3%	± 0.1	± 0.2	± 10%	± 10%	± 10%	%	g/L
1345	Start pump										
1346	1.5	500	51.13	33.1	7.79	25.49	0.43	-236	0.0	2.1	20
1349	3.5	500	51.13	33.6	8.19	25.97	0.09	-249	0.0	2.1	20
1353	5.5	500	51.13	33.6	8.20	25.99	0.00	-255	0.0	2.1	21
1356	7.0	500	51.13	33.7	8.21	26.09	0.00	-257	0.0	2.1	21
1400	9.0	500	51.13	33.7	8.21	26.06	0.00	-261	0.0	2.1	21
1403	10.5	500	51.13	33.7	8.21	26.03	0.00	-262	0.0	2.1	21
1406	12.0	500	51.13	33.7	8.21	26.10	0.00	-261	0.0	2.1	21
1410	Commenced	Sampling									
1414	Sample	End	51.13								

Comments: ____________________

Maximum permissable drawdown = __________ ft BTOC, water level not to draw down below _________ ft BTOC

Optimal drawdown for low-flow micropurge sampling is less than 0.3 ft at a flow rate of 0.1 to 1.0 L/min.

If drawdown exceeds 0.3 ft at a flow rate of 0.1 L/min....then attempt to achieve drawdown less than or equal to 25% of the available screen interval at flow rate equal to 0.1 to 1.0 L/min.

This is performed by subtracting pump intake and top of screen for fully submerged screens then multiplying by 25%, or subtracting the distance between pump intake and static water level and multiplying by 25% for water table wells with partly submerged screens.

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Monitoring Well Low-Flow Purge/Sampling Form

Project: BRC-Cam

Well ID:	AA-BW-09A	Screened Interval (ft)	37.5'-57.5' bgs	Well Diameter (in):	4"
Date:	2/2/09	Pump Intake Depth (ft)	~57 bTOC	Static Water Level (ft):	51.06
Sample ID	AA-BW-09A-10Cam	Purging/ Sample Device:	DEDICATED	Total Well depth (ft):	60.65
Time:	1000	PID Reading at TOC:		Water Column Length:	9.59
Dup ID:	—	Water Level Instrument :	Solinst	Minimum Purge Volume:	
Rinsate ID:	—	WLI Serial #:	1220096S7	Samplers Name:	M. Schmidt, A. Kirk
MS/MSD ID:	—	Water Quality Meter:	Horiba	Optimal Pump Setting:	PSI 60 CPM 3 ID: 8Z
Analysis:	Radon	Water Quality Meter Serial #:	610013	Low-Flow or Net Purge:	Low Flow
		WQM Calibrated Date & Time:	2/2/09 710		

Time	Volume Purged	Flow Rate	Water Level (feet - BTOC)	Specific Conductance ( )	pH	Temp.	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Salinity	TDS
	Liters	**ml/min**	**± 0.1 ft**	**3%**	**± 0.1**	**± 0.2**	**± 10%**	**± 10%**	**± 10%**	**%**	**g/L**
0935	START pump										
0939	1.0	500	51.11	34.9	6.93	24.55	0.92	-234	0.0	2.2	2.1
0942	2.5	500	51.11	34.6	7.85	25.61	0.00	-266	0.0	2.2	2.1
0945	4.0	500	51.11	34.6	8.01	25.69	0.00	-274	0.0	2.2	2.1
0948	5.5	500	51.11	34.5	8.03	25.95	0.00	-277	0.0	2.2	2.1
0951	7.0	500	51.11	34.4	8.05	25.92	0.00	-280	0.0	2.2	2.1
0955	9.0	500	51.11	34.5	8.06	25.96	0.00	-281	0.0	2.2	2.1
1000	Complete Sampling										
	Sample Complete		51.11								

Comments: _____

Maximum permissable drawdown = _____ ft BTOC, water level not to draw down below _____ ft BTOC

Optimal drawdown for low-flow micropurge sampling is less than 0.3 ft at a flow rate of 0.1 to 1.0 L/min.

If drawdown exceeds 0.3 ft at a flow rate of 0.1 L/min....then attempt to achieve drawdown less than or equal to 25% of the available screen interval at flow rate equal to 0.1 to 1.0 L/min.

This is performed by subtracting pump intake and top of screen for fully submerged screens then multiplying by 25%, or subtracting the distance between pump intake and static water level and multiplying by 25% for water table wells with partly submerged screens.

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Monitoring Well Low-Flow Purge/Sampling Form

Project: BLC-CAMW

Well ID:	MW-BW-08B	Screened Interval (ft)	43' - 63' bgs	Well Diameter (in):	4"
Date:	1/30/09	Pump Intake Depth (ft)	?	Static Water Level (ft):	51.69 BTOC
Sample ID	*	Purging/ Sample Device:	Dedicated	Total Well depth (ft):	65.33 BTOC
Time:	*	PID Reading at TOC:		Water Column Length:	13.66
Dup ID:	—	Water Level Instrument :	Solinst	Minimum Purge Volume:	
Rinsate ID:	—	WLI Serial #:	1220096S7	Samplers Name:	M Schmidt A. Burk
MS/MSD ID:	—	Water Quality Meter:	Mod 6A	Optimal Pump Setting:	PSI 60 CPM 3 ID:
Analysis:	*	Water Quality Meter Serial #:	610013	Low-Flow or Net Purge:	*
		WQM Calibrated Date & Time:	1/30/09 0700		

Time	Volume Purged	Flow Rate	Water Level (feet - BTOC)	Specific Conductance (mS/cm)	pH	Temp.	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Salinity	TDS
	Liters	**ml/min**	**± 0.1 ft**	**3%**	**± 0.1**	**± 0.2**	**± 10%**	**± 10%**	**± 10%**	**%**	**g/L**
0935	START PUMP										
0939	2.0	500	51.69	66.0	7.56	25.81	0.38	-284	0.0	>4.0	40
0942	3.5	500	51.69	67.2	7.67	26.02	0.15	-283	0.0	>4.0	40
0945	5.0	500	51.69	67.2	7.72	26.15	0.06	-287	0.0	>4.0	40
0948	6.5	500	51.69	66.9	7.78	26.10	0.04	-289	10.1	>4.0	39
0951	8.0	500	51.69	59.2	7.96	26.13	0.01	-288	4.9	3.9	34
0956	10.5	500	51.69	47.8	8.23	26.24	0.00	-286	6.2	3.1	29
0959	12.0	500	51.69	47.7	8.24	26.25	0.00	-287	0.0	3.1	29
1002	13.5	500	51.69	47.8	8.25	26.27	0.00	-290	0.0	3.1	29

Comments: _____

Maximum permissable drawdown = _____ ft BTOC, water level not to draw down below _____ ft BTOC

Optimal drawdown for low-flow micropurge sampling is less than 0.3 ft at a flow rate of 0.1 to 1.0 L/min.

If drawdown exceeds 0.3 ft at a flow rate of 0.1 L/min....then attempt to achieve drawdown less than or equal to 25% of the available screen interval at flow rate equal to 0.1 to 1.0 L/min.

This is performed by subtracting pump intake and top of screen for fully submerged screens then multiplying by 25%, or subtracting the distance between pump intake and static water level and multiplying by 25% for water table wells with partly submerged screens.

* Field parameters only

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Monitoring Well Low-Flow Purge/Sampling Form

Project: BRC

Well ID:	MCF-BW-08	Screened Interval (ft)	77'-87' bgs	Well Diameter (in):	4"
Date:	1/30/09	Pump Intake Depth (ft)	~82 bgs	Static Water Level (ft):	49.98 BTOC
Sample ID	*	Purging/ Sample Device:	Peristaltic	Total Well depth (ft):	
Time:	*	PID Reading at TOC:	0 ppm (10.6), 0.4 (11.7)	Water Column Length:	
Dup ID:	—	Water Level Instrument :	Solinst	Minimum Purge Volume:	
Rinsate ID:	—	WLI Serial #:	122009657	Samplers Name:	W. Schmidt, M. Kirk
MS/MSD ID:	—	Water Quality Meter:	Horiba	Optimal Pump Setting:	PSI 60 CPM 2 ID: 46
Analysis:	*	Water Quality Meter Serial #:	610013	Low-Flow or Net Purge:	*
		WQM Calibrated Date & Time:	1/30/09 0700		

Time	Volume Purged	Flow Rate	Water Level (feet - BTOC)	Specific Conductance (mS/cm)	pH	Temp.	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Salinity	TDS
	Liters	**ml/min**	**± 0.1 ft**	**3%**	**± 0.1**	**± 0.2**	**± 10%**	**± 10%**	**± 10%**	**%**	**g/L**
1008	start pump										
1010	.5	250	50.56	17.2	8.55	25.30	1.22	-224	0.0	0.9	9
1013	1.0	100	50.56	4.75	8.20	24.91	0.73	-182	0.0	0.2	2.9
1016	1.3	100	50.70	3.17	7.73	24.55	0.66	-158	0.0	0.2	2.0
1019	1.6	100	50.91	2.43	7.16	24.36	0.60	-127	0.0	0.1	1.5
1025	2.1	100	51.11	1.77	6.64	24.60	0.49	-89	0.0	0.1	1.1
1028	2.5	100	51.30	1.64	6.38	24.78	0.44	-68	0.0	0.1	1.0
1031	2.8	100	51.49	1.60	6.28	24.77	0.42	-59	0.0	0.1	1.0
1034	3.2	100	51.62	1.56	6.20	24.64	0.36	-50	0.0	0.1	1.0
1037	3.5	100	51.77	1.54	6.11	24.77	0.36	-40	0.0	0.1	1.0
1040	4.0	100	52.00	1.52	6.10	24.75	0.35	-30	0.0	0.1	1.0
1043	4.3	100	52.09	1.52	6.10	24.75	0.33	-29	0.0	0.1	1.0

Comments: _____

Maximum permissable drawdown = _____ ft BTOC, water level not to draw down below _____ ft BTOC

Optimal drawdown for low-flow micropurge sampling is less than 0.3 ft at a flow rate of 0.1 to 1.0 L/min.

If drawdown exceeds 0.3 ft at a flow rate of 0.1 L/min....then attempt to achieve drawdown less than or equal to 25% of the available screen interval at flow rate equal to 0.1 to 1.0 L/min.

This is performed by subtracting pump intake and top of screen for fully submerged screens then multiplying by 25%, or subtracting the distance between pump intake and static water level and multiplying by 25% for water table wells with partly submerged screens.

* Field parameters only

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Monitoring Well Low-Flow Purge/Sampling Form

Project: BLL-Camu

Well ID:	AA-BLL-09A	Screened Interval (ft)	33-53 Bgs	Well Diameter (in):	4"
Date:	1/20/09	Pump Intake Depth (ft)	54.65 Bgs	Static Water Level (ft):	48.82'
Sample ID	AA-BLL-09A-10-CAMW	Purging/ Sample Device:	Dedicated	Total Well depth (ft):	55.46'
Time:	0900	PID Reading at TOC:	0.2(10.6) 1.1(11.2)	Water Column Length:	12.6'
Dup ID:	—	Water Level Instrument :	Solinst	Minimum Purge Volume:	
Rinsate ID:	—	WLI Serial #:	1220916571	Samplers Name:	M. Schmidt, D. Ortega
MS/MSD ID:	—	Water Quality Meter:	Horiba	Optimal Pump Setting:	PSI 50 CPM 2 ID: 44
Analysis:	Camu GW Suite	Water Quality Meter Serial #:	610013	Low-Flow or Net Purge:	Low Flow
		WQM Calibrated Date & Time:	1/20/09 0701		

Time	Volume Purged	Flow Rate	Water Level (feet BTOC)	Specific Conductance (mS/cm)	pH	Temp.	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Salinity	TDS
	Liters	**ml/min**	**± 0.1 ft**	**3%**	**± 0.1**	**± 0.2**	**± 10%**	**± 10%**	**± 10%**	**%**	**g/L**
0830	START PUMP										
0831	.5	150	48.91	76.1	7.78	20.90	3.22	-70	0.0	>4.0	49
0834	1.5	100	48.99	86.1	7.48	22.12	0.90	-44	0.0	>4.0	52
0840	2.0	100	49.05	85.8	7.49	22.49	0.56	-37	0.0	>4.0	52
0843	2.3	100	49.14	85.4	7.49	22.60	0.40	-33	0.0	>4.0	51
0853	3.3	100	49.25	85.4	7.49	22.71	0.39	-24	0.0	>4.0	51
0900	Commence Sampling										
1149	Sampling Completed		49.33								

Comments: _____

Maximum permissable drawdown = 1.45 ft BTOC, water level not to draw down below 50.27 ft BTOC

Optimal drawdown for low-flow micropurge sampling is less than 0.3 ft at a flow rate of 0.1 to 1.0 L/min.

If drawdown exceeds 0.3 ft at a flow rate of 0.1 L/min....then attempt to achieve drawdown less than or equal to 25% of the available screen interval at flow rate equal to 0.1 to 1.0 L/min.

This is performed by subtracting pump intake and top of screen for fully submerged screens then multiplying by 25%, or subtracting the distance between pump intake and static water level and multiplying by 25% for water table wells with partly submerged screens.

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Monitoring Well Low-Flow Purge/Sampling Form

Project: BP - Carson

Well ID:	MW-3BR-09A	Screened Interval (ft)	33'-53' BGS	Well Diameter (in):	4"
Date:	1/13/09	Pump Intake Depth (ft)	~37' BGS	Static Water Level (ft):	43.83' BTOC
Sample ID	MW-3BR-09A-10-Carson	Purging/ Sample Device:	Dedicated	Total Well depth (ft):	53.46 BTOC
Time:	0740	PID Reading at TOC:		Water Column Length:	6.63'
Dup ID:	-	Water Level Instrument :	Solinst	Minimum Purge Volume:	
Rinsate ID:	-	WLI Serial #:	1226965?	Samplers Name:	M. Schmidt, A. Kirk
MS/MSD ID:	-	Water Quality Meter:	Horiba	Optimal Pump Setting:	PSI 50 CPM 2 ID: 44
Analysis:	Methane/Mg with Isotopes	Water Quality Meter Serial #:	U10013	Low-Flow or Net Purge:	Low Flow
		WQM Calibrated Date & Time:	1/13/09 0700		

Time	Volume Purged	Flow Rate	Water Level (feet - BTOC)	Specific Conductance (mS/cm)	pH	Temp.	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Salinity	TDS
	Liters	**ml/min**	**± 0.1 ft**	**3%**	**± 0.1**	**± 0.2**	**± 10%**	**± 10%**	**± 10%**	**%**	**g/L**
706	START PUMP										
711	.5	100	49.01	86.1	7.27	21.04	0.62	19	0.0	>4.0	51
714	1.0	100	49.07	96.5	7.31	21.07	0.59	13	0.0	>4.0	52
719	1.5	100	49.20	87.4	7.33	21.41	0.46	6	0.0	>4.0	52
724	2.0	100	49.25	98.0	7.37	21.37	0.33	-9	0.0	>4.0	53
729	2.5	100	49.26	98.0	7.39	21.72	0.28	-15	0.0	>4.0	53
734	3.0	100	49.34	87.9	7.39	21.91	0.24	-20	0.0	>4.0	53
739	3.5	100	49.35	87.9	7.38	21.72	0.24	-20	0.0	>4.0	53
0740	Commence Sampling										
	Sample Complete		49.35								

Comments:

Maximum permissable drawdown = 2.15 ft BTOC, water level not to draw down below 50.98 ft BTOC

Optimal drawdown for low-flow micropurge sampling is less than 0.3 ft at a flow rate of 0.1 to 1.0 L/min.

If drawdown exceeds 0.3 ft at a flow rate of 0.1 L/min....then attempt to achieve drawdown less than or equal to 25% of the available screen interval at flow rate equal to 0.1 to 1.0 L/min.

This is performed by subtracting pump intake and top of screen for fully submerged screens then multiplying by 25%, or subtracting the distance between pump intake and static water level and multiplying by 25% for water table wells with partly submerged screens.

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Monitoring Well Low-Flow Purge/Sampling Form

Project: BRC-CAMU

Well ID:	EC-2	Screened Interval (ft)	50-60	Well Diameter (in):	4"
Date:	1/22/09	Pump Intake Depth (ft)	58' btoc	Static Water Level (ft):	56.19 btoc
Sample ID	EC-2-10-CAMU	Purging/ Sample Device:	Portable	Total Well depth (ft):	60.74 btoc
Time:	0930	PID Reading at TOC:	6.8(10.6) 4.2(11.9)	Water Column Length:	4.55
Dup ID:	—	Water Level Instrument :	Solinst	Minimum Purge Volume:	
Rinsate ID:	—	WLI Serial #:	1222609657-1	Samplers Name:	M. Schmidt, D. Cortez
MS/MSD ID:	—	Water Quality Meter:	Horiba	Optimal Pump Setting:	PSI 50 CPM 2 ID: 47
Analysis:	CAMU Gw Suite	Water Quality Meter Serial #:	61013	Low-Flow or Net Purge:	Low Flow
		WQM Calibrated Date & Time:	1/22/09 0830		

Time	Volume Purged	Flow Rate	Water Level (feet BTOC)	Specific Conductance (mS/cm)	pH	Temp.	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Salinity	TDS
	Liters	**ml/min**	**± 0.1 ft**	**3%**	**± 0.1**	**± 0.2**	**± 10%**	**± 10%**	**± 10%**	**%**	**g/L**
854	START pump										
857	.5	200	56.28	23.9	7.67	23.75	0.65	-171	6.6	1.5	15
900	1.0	200	56.29	23.9	7.81	24.79	0.29	-180	2.6	1.4	15
904	2.0	200	56.29	24.1	7.87	25.25	0.07	-185	0.6	1.5	15
908	3.0	250	56.29	24.1	7.91	25.47	0.04	-188	0.0	1.5	15
912	4.0	250	56.29	24.2	7.94	25.44	0.00	-192	0.0	1.5	15
916	5.0	250	56.29	24.2	7.97	25.57	0.00	-195	0.0	1.5	15
922	6.5	300	56.32	24.2	7.98	25.91	0.00	-197	0.0	1.5	15
925	7.5	300	56.31	24.2	8.00	25.92	0.00	-199	0.0	1.5	15
0930	Commence Sampling										

Comments:

Maximum permissable drawdown = _____ ft BTOC, water level not to draw down below _____ ft BTOC

Optimal drawdown for low-flow micropurge sampling is less than 0.3 ft at a flow rate of 0.1 to 1.0 L/min.

If drawdown exceeds 0.3 ft at a flow rate of 0.1 L/min....then attempt to achieve drawdown less than or equal to 25% of the available screen interval at flow rate equal to 0.1 to 1.0 L/min.

This is performed by subtracting pump intake and top of screen for fully submerged screens then multiplying by 25%, or subtracting the distance between pump intake and static water level and multiplying by 25% for water table wells with partly submerged screens.

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Monitoring Well Low-Flow Purge/Sampling Form

Project: BCC - Canal

Well ID:	EC-2	Screened Interval (ft)	50.60' btoc	Well Diameter (in):	4"
Date:	1/29/09	Pump Intake Depth (ft)	58' BTOC	Static Water Level (ft):	52.21
Sample ID	EC-2-10-CANAL	Purging/ Sample Device:	Peristaltic	Total Well depth (ft):	60.74
Time:		PID Reading at TOC:		Water Column Length:	4.53
Dup ID:	--	Water Level Instrument :	Solinst	Minimum Purge Volume:	
Rinsate ID:	--	WLI Serial #:	1220965 7-1	Samplers Name:	M. Schmidt, ~~Dan~~ Aiken
MS/MSD ID:	-	Water Quality Meter:	~~YSI 556~~ Horiba	Optimal Pump Setting:	PSI 50 CPM 2 ID: 47
Analysis:	Meth, Hg, Nutr, Phos	Water Quality Meter Serial #:	610013	Low-Flow or Net Purge:	Low Flow
		WQM Calibrated Date & Time:	1/29/09 0726		

Time	Volume Purged	Flow Rate	Water Level (feet - BTOC)	Specific Conductance (mS/cm)	pH	Temp.	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Salinity	TDS
	Liters	**ml/min**	**± 0.1 ft**	**3%**	**± 0.1**	**± 0.2**	**± 10%**	**± 10%**	**± 10%**	**%**	**g/L**
0742	START Purge										
0746	.5	300	56.28	23.8	6.65	22.64	3.49	-100	9.9	1.4	15
0749	1.5	300	56.30	22.4	7.32	23.22	0.75	-148	0.0	1.4	14
0752	2.5	300	56.35	22.4	7.44	23.81	0.15	-157	0.0	1.4	14
0755	3.5	300	56.35	22.4	7.59	24.10	0.00	-167	0.0	1.4	14
0758	4.0	300	56.35	22.6	7.68	24.61	0.00	-175	0.0	1.4	14
0804	5.5	300	56.35	22.9	7.69	24.82	0.00	-177	0.0	1.4	14
0807	6.5	300		23.0	7.69	24.79	0.00	-179	0.0	1.4	14
0810	Commence Sampling										
0815	Sampling Complete		56.35								

Comments: _____

Maximum permissable drawdown = _____ ft BTOC, water level not to draw down below _____ ft BTOC

Optimal drawdown for low-flow micropurge sampling is less than 0.3 ft at a flow rate of 0.1 to 1.0 L/min.

If drawdown exceeds 0.3 ft at a flow rate of 0.1 L/min....then attempt to achieve drawdown less than or equal to 25% of the available screen interval at flow rate equal to 0.1 to 1.0 L/min.

This is performed by subtracting pump intake and top of screen for fully submerged screens then multiplying by 25%, or subtracting the distance between pump intake and static water level and multiplying by 25% for water table wells with partly submerged screens.

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Monitoring Well Low-Flow Purge/Sampling Form

Project: Big Canyon

Well ID:	EC-2	Screened Interval (ft)	52'60' btoc	Well Diameter (in):	4"
Date:	2/2/09	Pump Intake Depth (ft)	~55' btoc	Static Water Level (ft):	56.29 btoc
Sample ID	EC-2-10.2.09	Purging/ Sample Device:	Bladder	Total Well depth (ft):	66.74
Time:	0750	PID Reading at TOC:		Water Column Length:	9.5
Dup ID:	-	Water Level Instrument :	Solinst	Minimum Purge Volume:	
Rinsate ID:	-	WLI Serial #:	12200957	Samplers Name:	M. Schmidt, A. Beck
MS/MSD ID:	-	Water Quality Meter:	Horiba	Optimal Pump Setting:	PSI 60 CPM 2 ID: 47
Analysis:	Eden	Water Quality Meter Serial #:	610013	Low-Flow or Net Purge:	Low Flow
		WQM Calibrated Date & Time:	2/2/09 0700		

Time	Volume Purged	Flow Rate	Water Level (feet - BTOC)	Specific Conductance (uS/cm)	pH	Temp.	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Salinity	TDS
	Liters	**ml/min**	**± 0.1 ft**	**3%**	**± 0.1**	**± 0.2**	**± 10%**	**± 10%**	**± 10%**	**%**	**g/L**
0721	START pump										
0724	.5	150	56.30	24.6	7.67	20.21	1.92	-217	0.2	1.5	15
0728	1.0	150	56.31	24.9	7.53	23.95	0.48	-232	0.0	1.5	15
0731	1.5	150	56.31	24.8	7.56	24.47	0.28	-238	0.0	1.5	15
0734	2.0	150	56.31	24.6	7.50	23.68	0.25	-240	0.0	1.5	15
0737	2.5	150	56.30	24.8	7.44	23.95	0.16	-241	0.0	1.5	15
0740	3.0	150	56.30	24.7	7.37	23.95	0.12	-243	0.0	1.5	15
0743	3.5	150	56.30	24.9	7.31	23.98	0.11	-245	0.0	1.5	15
0746	4.0	150	56.30	24.5	7.30	23.99	0.10	-246	0.0	1.5	15
0749	4.5	150	56.30	24.4	7.30	23.99	0.09	-247	0.0	1.5	15
0750	Commence ES sampling										
	Sample Complete		56.30								

Comments: _____

Maximum permissable drawdown = _____ ft BTOC, water level not to draw down below _____ ft BTOC

Optimal drawdown for low-flow micropurge sampling is less than 0.3 ft at a flow rate of 0.1 to 1.0 L/min.

If drawdown exceeds 0.3 ft at a flow rate of 0.1 L/min....then attempt to achieve drawdown less than or equal to 25% of the available screen interval at flow rate equal to 0.1 to 1.0 L/min.

This is performed by subtracting pump intake and top of screen for fully submerged screens then multiplying by 25%, or subtracting the distance between pump intake and static water level and multiplying by 25% for water table wells with partly submerged screens.

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Monitoring Well Low-Flow Purge/Sampling Form

Project: BRC-Camu

Well ID:	M-21R	Screened Interval (ft)	40-50 bgs	Well Diameter (in):	4"
Date:	12309	Pump Intake Depth (ft)	45.5 bgs	Static Water Level (ft):	32.04
Sample ID	M-21R-10-CAMU	Purging/ Sample Device:	Bladder	Total Well depth (ft):	66.65
Time:	1050	PID Reading at TOC:	2.3 (10.6) 8.7 (11.7)	Water Column Length:	34.61
Dup ID:	—	Water Level Instrument :	Solinst	Minimum Purge Volume:	
Rinsate ID:	—	WLI Serial #:	122009657-1	Samplers Name:	M. Schmidt, A. Corroon
MS/MSD ID:	—	Water Quality Meter:	Horiba	Optimal Pump Setting:	PSI 50 CPM 3 ID: 7/4
Analysis:	CAMU GW Suite	Water Quality Meter Serial #:	610015	Low-Flow or Net Purge:	Low Flow
		WQM Calibrated Date & Time:	123108 0707		

Time	Volume Purged	Flow Rate	Water Level (feet BTOC)	Specific Conductance (ms/cm)	pH	Temp.	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Salinity	TDS
	Liters	**ml/min**	**± 0.1 ft**	**3%**	**± 0.1**	**± 0.2**	**± 10%**	**± 10%**	**± 10%**	**%**	**g/L**
1031	START PURGE										
1035	.5	350	32.05	23.2	8.02	24.96	0.74	-185	10.2	1.4	15
1038	2.0	350	32.05	24.2	8.03	25.03	0.12	-195	0.0	1.5	15
1042	3.0	350	32.05	24.8	8.03	25.32	0.02	-199	0.0	1.5	15
1045	4.0	350	32.05	25.0	8.04	25.28	0.00	-200	0.0	1.5	16
1048	5.0	350	32.05	25.1	8.04	25.29	0.00	-201	0.0	1.5	16
1052	Commence Sampling										
1201	Sampling Complete 32.05										

Comments:

Maximum permissable drawdown = _____ ft BTOC, water level not to draw down below _____ ft BTOC

Optimal drawdown for low-flow micropurge sampling is less than 0.3 ft at a flow rate of 0.1 to 1.0 L/min.

If drawdown exceeds 0.3 ft at a flow rate of 0.1 L/min....then attempt to achieve drawdown less than or equal to 25% of the available screen interval at flow rate equal to 0.1 to 1.0 L/min.

This is performed by subtracting pump intake and top of screen for fully submerged screens then multiplying by 25%, or subtracting the distance between pump intake and static water level and multiplying by 25% for water table wells with partly submerged screens.

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Monitoring Well Low-Flow Purge/Sampling Form

Project: BEC-Camu

Well ID:	H-21R	Screened Interval (ft)	40:50 bgs	Well Diameter (in):	4"
Date:	12/9/09	Pump Intake Depth (ft)	45.5 bgs	Static Water Level (ft):	32.05
Sample ID	H-21R-12-Camu	Purging/ Sample Device:	Peristaltic	Total Well depth (ft):	66.65
Time:	1120	PID Reading at TOC:		Water Column Length:	34.60
Dup ID:	-	Water Level Instrument :	Solinst	Minimum Purge Volume:	
Rinsate ID:	-	WLI Serial #:	1222096657-1	Samplers Name:	M.Schmidt, A.Kurk
MS/MSD ID:	-	Water Quality Meter:	Horiba	Optimal Pump Setting:	PSI 50 CPM 3 ID: 74
Analysis:	Methyl Hg, White pkg	Water Quality Meter Serial #:	610013	Low-Flow or Net Purge:	Low Flow
		WQM Calibrated Date & Time:	12/9/09 0726		

Time	Volume Purged	Flow Rate	Water Level (feet - BTOC)	Specific Conductance (mS/cm)	pH	Temp.	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Salinity	TDS
	Liters	**ml/min**	**± 0.1 ft**	**3%**	**± 0.1**	**± 0.2**	**± 10%**	**± 10%**	**± 10%**	**%**	**g/L**
1053	Start Pump										
1056	1.0	350	32.05	26.2	8.11	25.07	0.84	-217	68.9	1.6	16
1100	2.5	350	32.05	24.9	8.11	25.32	0.44	-234	58.4	1.5	15
1103	3.0	350	32.05	24.8	8.11	25.28	0.08	-237	58.2	1.5	15
1106	4.0	350	32.05	24.8	8.12	25.31	0.03	-240	48.0	1.5	15
1109	5.0	350	32.05	24.7	8.12	25.36	0.01	-243	44.9	1.5	15
1112	6.0	350	32.05	24.9	8.12	25.52	0.00	-246	42.3	1.5	15
1115	7.0	350	32.05	24.6	8.12	25.55	0.00	-249	40.1	1.5	15
1118	8.0	350	32.05	24.7	8.11	25.63	0.00	-250	38.7	1.5	15
1120	Commenced	Sampling									
1125	Sample	End	32.05								

Comments: _____

Maximum permissable drawdown = _____ ft BTOC, water level not to draw down below _____ ft BTOC

Optimal drawdown for low-flow micropurge sampling is less than 0.3 ft at a flow rate of 0.1 to 1.0 L/min.

If drawdown exceeds 0.3 ft at a flow rate of 0.1 L/min....then attempt to achieve drawdown less than or equal to 25% of the available screen interval at flow rate equal to 0.1 to 1.0 L/min.

This is performed by subtracting pump intake and top of screen for fully submerged screens then multiplying by 25%, or subtracting the distance between pump intake and static water level and multiplying by 25% for water table wells with partly submerged screens.

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Monitoring Well Low-Flow Purge/Sampling Form

Project: Blecanne

Well ID:	M-21R	Screened Interval (ft)	40-50' bgs	Well Diameter (in):	4"
Date:	2/3/09	Pump Intake Depth (ft)	~45 bgs	Static Water Level (ft):	32.05 btoc
Sample ID	M-21R BT 1Q CAnne	Purging/ Sample Device:	Peristaltic	Total Well depth (ft):	66.65 btoc
Time:	0845	PID Reading at TOC:		Water Column Length:	34.6
Dup ID:	—	Water Level Instrument :	Solinst	Minimum Purge Volume:	
Rinsate ID:	—	WLI Serial #:	1226465?	Samplers Name:	M. Schmidt & Kirk
MS/MSD ID:	—	Water Quality Meter:	Horiba	Optimal Pump Setting:	PSI 50 CPM 3 ID: 74
Analysis:	Dioxin	Water Quality Meter Serial #:	610013	Low-Flow or Net Purge:	Low Flow
		WQM Calibrated Date & Time:	2/3/09 0632		

Time	Volume Purged	Flow Rate	Water Level (feet - BTOC)	Specific Conductance (ms/cm)	pH	Temp.	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Salinity	TDS
	Liters	**ml/min**	**± 0.1 ft**	**3%**	**± 0.1**	**± 0.2**	**± 10%**	**± 10%**	**± 10%**	**%**	**g/L**
0823	START PUMP										
0825	1.0	300	32.05	25.7	7.96	23.63	0.80	-175	1.2	1.5	16
0828	2.0	300	32.05	23.9	7.93	24.34	0.28	-187	0.0	1.5	15
0832	3.0	300	32.05	23.7	7.94	24.93	0.02	-198	0.0	1.4	15
0836	4.5	300	32.05	23.9	7.94	25.16	0.00	-203	0.0	1.5	15
0839	5.5	300	32.05	23.9	7.93	25.17	0.00	-205	0.0	1.5	15
0842	6.5	300	32.05	24.0	7.93	25.18	0.00	-209	0.0	1.5	15
0845	Complete Sampling										
	Sample Complete		32.05								

Comments:

Maximum permissable drawdown = _____ ft BTOC, water level not to draw down below _____ ft BTOC

Optimal drawdown for low-flow micropurge sampling is less than 0.3 ft at a flow rate of 0.1 to 1.0 L/min.

If drawdown exceeds 0.3 ft at a flow rate of 0.1 L/min....then attempt to achieve drawdown less than or equal to 25% of the available screen interval at flow rate equal to 0.1 to 1.0 L/min.

This is performed by subtracting pump intake and top of screen for fully submerged screens then multiplying by 25%, or subtracting the distance between pump intake and static water level and multiplying by 25% for water table wells with partly submerged screens.

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Monitoring Well Low-Flow Purge/Sampling Form

Project: BAC Comm

Well ID:	H-28	Screened Interval (ft)	37.5' - 50.5' bgs	Well Diameter (in):	2"
Date:	1/26/09	Pump Intake Depth (ft)	~46.0	Static Water Level (ft):	39.03
Sample ID	H-28 16-Comm	Purging/ Sample Device:	Peristaltic	Total Well depth (ft):	47.80
Time:	1020	PID Reading at TOC:	0.0(10.6) 0.1(11.7)	Water Column Length:	8.77
Dup ID:	—	Water Level Instrument :	Solinst	Minimum Purge Volume:	
Rinsate ID:	—	WLI Serial #:	122009657-2	Samplers Name:	MSchmidt D.arteaga
MS/MSD ID:	—	Water Quality Meter:	Horiba	Optimal Pump Setting:	PSI 60 CPM 2 ID: 47
Analysis:	Comm Grp Sim Pb	Water Quality Meter Serial #:	610013	Low-Flow or Net Purge:	Low Flow
		WQM Calibrated Date & Time:	0700 1/26/09		

Time	Volume Purged	Flow Rate	Water Level (feet BTOC)	Specific Conductance (mS/cm)	pH	Temp.	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Salinity	TDS
	Liters	**ml/min**	**± 0.1 ft**	**3%**	**± 0.1**	**± 0.2**	**± 10%**	**± 10%**	**± 10%**	**%**	**g/L**
945	Start Pump										
950	1.0	200	39.03	16.3	7.96	22.17	0.93	5	814	0.9	10
953	1.5	200	39.03	15.0	7.98	22.99	0.52	-2	690	0.9	9
958	2.5	250	39.03	14.7	7.85	22.96	0.25	-6	217	0.8	9
1001	3.0	250	39.03	14.6	7.85	23.50	0.22	-7	186	0.9	9
1004	4.0	250	39.03	14.7	7.85	23.41	0.18	-7	119	0.9	9
1007	4.5	250	39.03	14.7	7.84	23.60	0.17	-8	101	0.9	9
1010	5.5	250	39.03	14.7	7.84	23.54	0.12	-10	69.8	0.9	9
1013	6.0	250	39.03	14.7	7.84	23.51	0.10	-11	67.2	0.9	9
1020	Comm Grp Sampling										
1239	Sample Complete		39.03								

Comments: _____

Maximum permissable drawdown = _____ ft BTOC, water level not to draw down below _____ ft BTOC

Optimal drawdown for low-flow micropurge sampling is less than 0.3 ft at a flow rate of 0.1 to 1.0 L/min.

If drawdown exceeds 0.3 ft at a flow rate of 0.1 L/min....then attempt to achieve drawdown less than or equal to 25% of the available screen interval at flow rate equal to 0.1 to 1.0 L/min.

This is performed by subtracting pump intake and top of screen for fully submerged screens then multiplying by 25%, or subtracting the distance between pump intake and static water level and multiplying by 25% for water table wells with partly submerged screens.

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Monitoring Well Low-Flow Purge/Sampling Form

Project: BEC Canoe

Well ID:	H-28	Screened Interval (ft)	37.5'-50.5' bgs	Well Diameter (in):	2"
Date:	2/3/09	Pump Intake Depth (ft)	~46' btoc	Static Water Level (ft):	39.00 btoc
Sample ID	H-28-10-CANOE	Purging/ Sample Device:	Portable	Total Well depth (ft):	47.80 btoc
Time:	1000	PID Reading at TOC:		Water Column Length:	8.80
Dup ID:	-	Water Level Instrument :	Solinst	Minimum Purge Volume:	
Rinsate ID:	-	WLI Serial #:	1220096597	Samplers Name:	M. Schmidt, A. Kirk
MS/MSD ID:	-	Water Quality Meter:	Horiba	Optimal Pump Setting:	PSI 60 CPM 2 ID: 74
Analysis:	Radon	Water Quality Meter Serial #:	U10013	Low-Flow or Net Purge:	Low Flow
		WQM Calibrated Date & Time:	2/3/09 0650		

Time	Volume Purged	Flow Rate	Water Level (feet - BTOC)	Specific Conductance µs/cm	pH	Temp.	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Salinity	TDS
	Liters	**ml/min**	**± 0.1 ft**	**3%**	**± 0.1**	**± 0.2**	**± 10%**	**± 10%**	**± 10%**	**%**	**g/L**
920	Start pump										
922	.5	250	39.01	20.3	7.89	21.24	1.20	-178	608	1.1	12
925	1.0	250	39.00	15.9	7.80	22.34	0.35	-152	726	0.9	10
929	2.0	250	39.01	15.0	7.73	22.71	0.54	-131	447	0.9	9
932	2.5	250	39.01	14.9	7.69	22.89	0.50	-119	301	0.9	9
935	3.0	250	39.01	14.8	7.67	22.99	0.37	-109	205	0.9	9
938	4.0	250	39.01	14.8	7.66	23.07	0.25	-102	117	0.9	9
941	4.5	250	39.01	14.8	7.66	23.17	0.22	-98	76.4	0.9	9
944	5.0	250	39.01	14.8	7.65	23.17	0.17	-95	74.3	0.9	9
948	6.0	250	39.01	14.8	7.65	23.18	0.16	-90	75.3	0.9	9
1000	Commence Sampling										
	Sample Complete	39.01									

Comments: _____

Maximum permissable drawdown = _____ ft BTOC, water level not to draw down below _____ ft BTOC

Optimal drawdown for low-flow micropurge sampling is less than 0.3 ft at a flow rate of 0.1 to 1.0 L/min.

If drawdown exceeds 0.3 ft at a flow rate of 0.1 L/min....then attempt to achieve drawdown less than or equal to 25% of the available screen interval at flow rate equal to 0.1 to 1.0 L/min.

This is performed by subtracting pump intake and top of screen for fully submerged screens then multiplying by 25%, or subtracting the distance between pump intake and static water level and multiplying by 25% for water table wells with partly submerged screens.

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Monitoring Well Low-Flow Purge/Sampling Form

Project: CAMU Sampling

Well ID:	H-43	Screened Interval (ft)	29-43' ft bgs	Well Diameter (in):	4"
Date:	1/27/09	Pump Intake Depth (ft)	36' ft bgs	Static Water Level (ft):	32.62' BTOC
Sample ID	H-43	Purging/ Sample Device:	Portable Pump	Total Well depth (ft):	37.47' BTOC
Time:	0810	PID Reading at TOC:	0.0 (10.6); 0.0 (11.7)	Water Column Length:	4.85'
Dup ID:	N/A	Water Level Instrument :	Solinst	Minimum Purge Volume:	
Rinsate ID:	N/A	WLI Serial #:	122009657	Samplers Name:	Andrew Kirk Dave Ortega
MS/MSD ID:	N/A	Water Quality Meter:	Horiba U-22	Optimal Pump Setting:	PSI 60 CPM 4 ID: 103
Analysis:	Various	Water Quality Meter Serial #:	2610013	Low-Flow or Net Purge:	Low-Flow
		WQM Calibrated Date & Time:	1/27/09 0710		

Time	Volume Purged	Flow Rate	Water Level (feet BTOC)	Specific Conductance (mS/cm)	pH	Temp.	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Salinity	settings + TDS
	Liters	ml/min	± 0.1 ft	3%	± 0.1	± 0.2	± 10%	± 10%	± 10%	%	g/L
0735	Pump	Start									40
0737	250 ml	250	32.66	6.40	6.79	18.79	1.58	-215	590	0.4	60 PSI 4.4 I.D. 47
0741	1.5 L	350	32.66	7.05	7.79	23.17	0.00	-254	395	0.4	60 PSI 4.4 I.D. 78
0744	2.9	450	32.66	7.17	8.08	24.10	0.00	-265	315	0.4	60 PSI 4.5 I.D. 103
0747	4.0	450	32.66	7.30	8.19	24.15	0.00	-268	309	0.4	4.6
0750	5.3	450	32.66	7.29	8.27	24.14	0.00	-270	261	0.4	4.6
0753	6.6	450	32.66	7.30	8.31	24.47	0.00	-268	248	0.4	4.6
0756	7.9	450	32.66	7.32	8.32	24.36	0.00	-268	231	0.4	4.6
0759	9.2	450	32.66	7.33	8.36	24.39	0.00	-269	237	0.4	4.6
0802	10.5	450	32.66	7.33	8.36	24.36	0.00	-268	231	0.4	4.6
0810	Commenced	Sampling									
0857	Sample	End	32.66								

Comments: * Screen not fully submerged so pump intake minus static water level X 25%. Added 1 ft to pump intake for calculation to convert to BTOC (1' stick up). Strong odor

*Maximum permissable drawdown = 1.1 ft BTOC, water level not to draw down below 33.72 ft BTOC

Optimal drawdown for low-flow micropurge sampling is less than 0.3 ft at a flow rate of 0.1 to 1.0 L/min.

If drawdown exceeds 0.3 ft at a flow rate of 0.1 L/min....then attempt to achieve drawdown less than or equal to 25% of the available screen interval at flow rate equal to 0.1 to 1.0 L/min.

This is performed by subtracting pump intake and top of screen for fully submerged screens then multiplying by 25%, or subtracting the distance between pump intake and static water level and multiplying by 25% for water table wells with partly submerged screens.

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Monitoring Well Low-Flow Purge/Sampling Form

Project: BEC-CAMW

Well ID:	H-43	Screened Interval (ft)	29'-43' bgs	Well Diameter (in):	6"
Date:	1/29/09	Pump Intake Depth (ft)	36' bgs	Static Water Level (ft):	32.60
Sample ID	H-43-10-CAMW	Purging/ Sample Device:	Peristaltic	Total Well depth (ft):	37.47
Time:		PID Reading at TOC:		Water Column Length:	4.87
Dup ID:	—	Water Level Instrument :	Solinst	Minimum Purge Volume:	
Rinsate ID:	—	WLI Serial #:	1220096 57	Samplers Name:	M. Schmidt
MS/MSD ID:	—	Water Quality Meter:	Horiba	Optimal Pump Setting:	PSI 60 CPM 4 ID: 103
Analysis:	~~Hydrazine plus~~	Water Quality Meter Serial #:	610013	Low-Flow or Net Purge:	Low Flow
		WQM Calibrated Date & Time:	1/29/09 0726		

Time	Volume Purged	Flow Rate	Water Level (feet - BTOC)	Specific Conductance (mS/cm)	pH	Temp.	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Salinity	TDS
	Liters	**ml/min**	**± 0.1 ft**	**3%**	**± 0.1**	**± 0.2**	**± 10%**	**± 10%**	**± 10%**	**%**	**g/L**
1148	START pump										
1150	1.0	450	32.62	9.2	7.86	24.48	0.29	-180	113	0.4	4.9
1153	2.5	450	32.62	7.42	7.60	24.74	0.10	-163	124	0.4	4.6
1156	4.0	450	32.62	7.25	7.45	24.77	0.04	-149	130	0.4	4.5
1159	5.5	450	32.62	7.17	7.18	24.80	0.00	-143	113	0.4	4.5
1202	7.0	450	32.62	7.13	7.16	24.90	0.00	-144	111	0.4	4.5
1205	8.5	450	32.62	7.11	7.04	24.99	0.00	-138	110	0.4	4.5
1208	10.0	450	32.62	7.12	6.95	24.91	0.00	-138	114	0.4	4.5
1211	11.0	450	32.62	7.13	6.94	24.90	0.00	-139	115	0.4	4.5
1214	12.5	450	32.62	7.15	6.94	24.90	0.00	-139	118	0.4	4.5
1215	Commence Sampling										
	Sampling Complete		32.62								

Comments: _____

Maximum permissable drawdown = _____ ft BTOC, water level not to draw down below _____ ft BTOC

Optimal drawdown for low-flow micropurge sampling is less than 0.3 ft at a flow rate of 0.1 to 1.0 L/min.

If drawdown exceeds 0.3 ft at a flow rate of 0.1 L/min....then attempt to achieve drawdown less than or equal to 25% of the available screen interval at flow rate equal to 0.1 to 1.0 L/min.

This is performed by subtracting pump intake and top of screen for fully submerged screens then multiplying by 25%, or subtracting the distance between pump intake and static water level and multiplying by 25% for water table wells with partly submerged screens.

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Monitoring Well Low-Flow Purge/Sampling Form

Project: BRC-Camu

Well ID:	H-43	Screened Interval (ft)	29-43' bgs	Well Diameter (in):	6"
Date:	2/2/09	Pump Intake Depth (ft)	36 bgs	Static Water Level (ft):	32.59
Sample ID	H-43-10-CAMU	Purging/ Sample Device:	PORTABLE	Total Well depth (ft):	37.47
Time:	1200	PID Reading at TOC:		Water Column Length:	4.88
Dup ID:	-	Water Level Instrument :	Solinst	Minimum Purge Volume:	
Rinsate ID:	-	WLI Serial #:	12200965 7	Samplers Name:	M. Schmidt, A. Kirk
MS/MSD ID:	-	Water Quality Meter:	Horiba	Optimal Pump Setting:	PSI 40 CPM 4 ID: 103
Analysis:	RADON	Water Quality Meter Serial #:	610013	Low-Flow or Net Purge:	Low Flow
		WQM Calibrated Date & Time:	2/2/09 0710		

Time	Volume Purged	Flow Rate	Water Level (feet - BTOC)	Specific Conductance (mS/cm)	pH	Temp.	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Salinity	TDS
	Liters	**ml/min**	**± 0.1 ft**	**3%**	**± 0.1**	**± 0.2**	**± 10%**	**± 10%**	**± 10%**	**%**	**g/L**
1137	START PUMP										
1140	1.0	350	32.60	7.24	7.84	24.85	0.27	-237	29.2	0.4	4.6
1144	2.0	350	32.60	7.26	7.93	24.89	0.00	-241	31.3	0.4	4.6
1147	3.0	350	32.60	7.26	7.96	25.03	0.00	-243	23.3	0.4	4.6
1151	4.5	350	32.60	~~8.00~~ 7.23	8.00	25.01	0.00	-243	25.5	0.4	4.6
1154	5.5	350	32.60	7.24	8.01	25.06	0.00	-243	24.2	0.4	4.6
1157	6.5	350	32.60	7.24	8.01	25.02	0.00	-242	24.5	0.4	4.6
1200	COMMENCE SAMPLING										
	SAMPLE COMPLETE		32.60								

Comments:

Maximum permissable drawdown = _____ ft BTOC, water level not to draw down below _____ ft BTOC

Optimal drawdown for low-flow micropurge sampling is less than 0.3 ft at a flow rate of 0.1 to 1.0 L/min.

If drawdown exceeds 0.3 ft at a flow rate of 0.1 L/min....then attempt to achieve drawdown less than or equal to 25% of the available screen interval at flow rate equal to 0.1 to 1.0 L/min.

This is performed by subtracting pump intake and top of screen for fully submerged screens then multiplying by 25%, or subtracting the distance between pump intake and static water level and multiplying by 25% for water table wells with partly submerged screens.

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Monitoring Well Low-Flow Purge/Sampling Form

Project: CAMU Sampling

Well ID:	MTB	**Screened Interval (ft)**	25.5-50.5' bgs	**Well Diameter (in):**	2"
Date:	11/28/09	**Pump Intake Depth (ft)**	38' bgs	**Static Water Level (ft):**	36.17' BTOC
Sample ID	MTB	**Purging/ Sample Device:**	Portable Pump	**Total Well depth (ft):**	54.77' BTOC
Time:	1055	**PID Reading at TOC:**	0.0(10.6); 0.0(11.7)	**Water Column Length:**	18.60'
Dup ID:	N/A	**Water Level Instrument :**	Solinst	**Minimum Purge Volume:**	
Rinsate ID:	N/A	**WLI Serial #:**	1220096S7	**Samplers Name:**	Andrew K.CK Dave Ortega
MS/MSD ID:	N/A	**Water Quality Meter:**	Horiba U-22	**Optimal Pump Setting:**	PSI 50 CPM 1 ID: 9
Analysis:	Various	**Water Quality Meter Serial #:**	2610013	**Low-Flow or Net Purge:**	Low-Flow
		WQM Calibrated Date & Time:	11/28/09 1000		

Time	Volume Purged	Flow Rate	Water Level (feet BTOC)	Specific Conductance (ms/cm)	pH	Temp. (°C)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Salinity	Pump Settings & TDS		
	Liters	ml/min	± 4 in.	3%	± 0.1	± 0.2	± 10%	± 10%	± 10%	%	g/L		
1018	Pump	Start											
1025	100 ml	100	36.22	15.8	6.75	19.32	1.60	110	364	0.9	50 PSI	10	I.D. 9
1028	300 ml	240	36.28	16.0	7.13	20.18	1.12	89	268	0.9	50 psi	10	I.D. 48
1031	1.5 L	240	36.33	15.8	7.46	22.17	0.58	72	100	0.9		10	
1034	2.0	240	36.37	15.5	7.66	22.61	0.64	67	53.4	0.9		10	
1037	2.3	100	36.33	15.5	7.79	22.22	0.75	64	29.9	0.9	50 PSI	10	I.D. 9
1040	2.4	100	36.33	15.6	7.86	21.96	1.03	59	24.5	0.9		10	
1043	2.6	100	36.33	15.7	7.89	21.95	1.11	58	22.9	0.9		10	
1046	2.9	100	36.33	15.8	7.89	21.92	1.12	56	21.6	0.9		10	
1049	3.2	100	36.33	15.8	7.89	21.93	1.11	55	20.8	0.9		10	
1055	Commenced	Sampling											
1314	Sample	End	36.33										

Comments: * Screen not fully submerged so pump intake minus static water level X 25% Added 3' to calculation to convert to BTOC (3' foot stick up added to pump intake).

* Maximum permissable drawdown = 1.20 ft BTOC, water level not to draw down below 37.37 ft BTOC

Optimal drawdown for low-flow micropurge sampling is less than 0.3 ft at a flow rate of 0.1 to 1.0 L/min.

If drawdown exceeds 0.3 ft at a flow rate of 0.1 L/min....then attempt to achieve drawdown less than or equal to 25% of the available screen interval at flow rate equal to 0.1 to 1.0 L/min.

This is performed by subtracting pump intake and top of screen for fully submerged screens then multiplying by 25%, or subtracting the distance between pump intake and static water level and multiplying by 25% for water table wells with partly submerged screens.

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Monitoring Well Low-Flow Purge/Sampling Form

Project: BRC-Camo

Well ID:	MW3	Screened Interval (ft)	25.5-50.5 bgs	Well Diameter (in):	2"
Date:	2/3/09	Pump Intake Depth (ft)	~38 bgs 41' BTOC	Static Water Level (ft):	36.24' btoc
Sample ID	MW3-10-Camo	Purging/ Sample Device:	Portable	Total Well depth (ft):	54.77' btoc
Time:	1155	PID Reading at TOC:		Water Column Length:	18.53'
Dup ID:	--	Water Level Instrument :	Solinst	Minimum Purge Volume:	
Rinsate ID:	--	WLI Serial #:	12200965?	Samplers Name:	M Schmidt, A Kruk
MS/MSD ID:	--	Water Quality Meter:	Horiba	Optimal Pump Setting:	PSI 50 CPM 1 ID: 9
Analysis:	Radon	Water Quality Meter Serial #:	610013	Low-Flow or Net Purge:	Low Flow
		WQM Calibrated Date & Time:	2/3/09 0850		

Time	Volume Purged	Flow Rate	Water Level (feet - BTOC)	Specific Conductance ms/cm	pH	Temp.	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Salinity	TDS
	Liters	**ml/min**	**± 0.1 ft**	**3%**	**± 0.1**	**± 0.2**	**± 10%**	**± 10%**	**± 10%**	**%**	**g/L**
1050	Pump	Start									
1055	.5	100	36.27	14.8	7.78	22.76	3.14	-29	230	0.9	9
1100	1.0	100	36.33	14.7	7.91	22.98	1.33	-31	157	0.9	9
1105	1.5	100	36.33	14.8	7.86	23.20	1.30	-26	137	0.9	9
1110	2.0	100	36.33	14.7	7.77	23.37	1.27	-25	137	0.9	9
1115	2.5	100	36.33	14.7	7.84	23.44	0.70	-30	68.8	0.9	9
1120	3.0	100	36.33	14.8	7.80	23.47	0.93	-25	68.1	0.9	9
1125	3.5	100	36.33	14.8	7.37	23.53	0.48	-2	32.4	0.9	9
1130	4.0	100	36.33	14.8	7.14	23.73	0.33	3	13.8	0.9	9
1135	4.5	100	36.33	14.8	7.16	23.65	0.29	5	5.6	0.9	9
1140	5.0	100	36.33	14.9	6.99	23.47	0.26	16	0.0	0.9	9
1145	5.5	100	36.33	14.9	6.97	23.50	0.24	18	0.0	0.9	9
1150	6.0	100	36.33	15.0	6.97	23.52	0.25	19	0.0	0.9	9
1155	Commence Sampling										
	Sample Complete		36.33								

Comments: Due to the DO dropping <1.0 mg/L murky / viscous and white phosphorus were collected. The initial sample did not constitute collection at that time.

Maximum permissable drawdown = 1.19 ft BTOC, water level not to draw down below 37.44 ft BTOC

Optimal drawdown for low-flow micropurge sampling is less than 0.3 ft at a flow rate of 0.1 to 1.0 L/min.

If drawdown exceeds 0.3 ft at a flow rate of 0.1 L/min....then attempt to achieve drawdown less than or equal to 25% of the available screen interval at flow rate equal to 0.1 to 1.0 L/min.

This is performed by subtracting pump intake and top of screen for fully submerged screens then multiplying by 25%, or subtracting the distance between pump intake and static water level and multiplying by 25% for water table wells with partly submerged screens.

2ND QUARTER 2009 SAMPLING FORMS

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Monitoring Well Low-Flow Purge/Sampling Form

Project: BLL-Camp

Well ID:	AA-BW-1A	Screened Interval (ft)	33'-53' BTOC	Well Diameter (in):	4"
Date:	4/27/09	Pump Intake Depth (ft)	54.7 BTOC	Static Water Level (ft):	39.81
Sample ID	AA-BW-1A-20-4	Purging/ Sample Device:	Dedicated	Total Well depth (ft):	55.88
Time:	0835	PID Reading at TOC:		Water Column Length:	16.17
Dup ID:	—	Water Level Instrument :	Solinst	Minimum Purge Volume:	
Rinsate ID:	—	WLI Serial #:	51166	Samplers Name:	U. Schmidt, D. Vargas
MS/MSD ID:	—	Water Quality Meter:	Horiba	Optimal Pump Setting:	PSI 40 CPM 3 ID: 7P2
Analysis:	Camp GW Suite	Water Quality Meter Serial #:	61101	Low-Flow or Net Purge:	Low Flow
		WQM Calibrated Date & Time:	4/27/09 0750		

Time	Volume Purged	Flow Rate	Water Level (feet - BTOC)	Specific Conductance (mS/cm)	pH	Temp.	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Salinity	TDS
	Liters	ml/min	± 0.1 ft	3%	± 0.1	± 0.2	± 10%	± 10%	± 10%	%	g/L
808	START PURGE	0									
813	.5	200	39.80	22.2	6.25	26.5	2.37	-124	1.5	1.3	14
816	1.0	200	39.80	22.2	6.32	26.4	1.60	-138	1.1	1.3	14
819	1.5	200	39.81	22.2	6.36	26.2	0.96	-149	1.0	1.3	14
822	2.0	200	39.80	22.2	6.37	26.1	0.93	-149	1.3	1.4	14
825	2.5	200	39.81	22.3	6.37	25.9	0.85	-150	2.0	1.4	14
829	3.5	200	39.81	22.3	6.38	25.7	0.86	-148	2.6	1.4	14
832	4.0	200	39.81	22.4	6.38	25.6	0.90	-146	2.9	1.4	14
835	Commence Sampling										
955	Sample Collection		39.81								

Comments: _____

Maximum permissable drawdown = _____ ft BTOC, water level not to draw down below _____ ft BTOC

Optimal drawdown for low-flow micropurge sampling is less than 0.3 ft at a flow rate of 0.1 to 1.0 L/min.

If drawdown exceeds 0.3 ft at a flow rate of 0.1 L/min....then attempt to achieve drawdown less than or equal to 25% of the available screen interval at flow rate equal to 0.1 to 1.0 L/min.

This is performed by subtracting pump intake and top of screen for fully submerged screens then multiplying by 25%, or subtracting the distance between pump intake and static water level and multiplying by 25% for water table wells with partly submerged screens.

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Monitoring Well Low-Flow Purge/Sampling Form

Project: BRC-CAMU

Well ID:	AA-GW-02A	Screened Interval (ft)	33'-53' bgs	Well Diameter (in):	4"
Date:	4/27/09	Pump Intake Depth (ft)	52' bgs	Static Water Level (ft):	41.96
Sample ID	AA-GW-02A-20-CAMU	Purging/ Sample Device:	Dedicated	Total Well depth (ft):	53.87
Time:	1030	PID Reading at TOC:		Water Column Length:	12.91
Dup ID:	—	Water Level Instrument :	Solinst	Minimum Purge Volume:	
Rinsate ID:	—	WLI Serial #:	5466	Samplers Name:	M. Schmidt, D. Ortega
MS/MSD ID:	—	Water Quality Meter:	Horiba	Optimal Pump Setting:	PSI 20 CPM 3 ID: 7.5
Analysis:	Camu GW Suite	Water Quality Meter Serial #:	61101	Low-Flow or Net Purge:	Low Flow
		WQM Calibrated Date & Time:	4/27/09 0750		

Time	Volume Purged	Flow Rate	Water Level (feet - BTOC)	Specific Conductance (mS/cm)	pH	Temp.	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Salinity	TDS
	Liters	ml/min	± 0.1 ft	3%	± 0.1	± 0.2	± 10%	± 10%	± 10%	%	g/L
1009	Start Pump										
1011	1.0	350	41.99	15.9	6.41	27.9	0.67	-11	19.2	0.9	10
1014	2.0	350	41.99	15.9	6.42	27.7	0.35	-12	19.2	0.9	10
1017	3.0	350	42.01	15.9	6.42	27.5	0.27	-12	19.5	0.9	10
1020	4.0	350	41.99	16.0	6.43	27.4	0.14	-13	19.1	0.9	10
1023	5.0	350	41.99	16.0	6.43	27.4	0.09	-12	20.3	0.9	10
1026	6.0	350	41.99	16.0	6.44	27.5	0.06	-12	20.4	0.9	10
1030	Commence GW Sampling										
1830	Sampling Complete										

Comments:

Maximum permissable drawdown = _____ ft BTOC, water level not to draw down below _____ ft BTOC

Optimal drawdown for low-flow micropurge sampling is less than 0.3 ft at a flow rate of 0.1 to 1.0 L/min.

If drawdown exceeds 0.3 ft at a flow rate of 0.1 L/min....then attempt to achieve drawdown less than or equal to 25% of the available screen interval at flow rate equal to 0.1 to 1.0 L/min.

This is performed by subtracting pump intake and top of screen for fully submerged screens then multiplying by 25%, or subtracting the distance between pump intake and static water level and multiplying by 25% for water table wells with partly submerged screens.

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Monitoring Well Low-Flow Purge/Sampling Form

Project: BEC Camp

Well ID:	AA-BW-03A	Screened Interval (ft)	33'-53' bgs	Well Diameter (in):	4"
Date:	4/28/09	Pump Intake Depth (ft)	~50 bgs	Static Water Level (ft):	39.85
Sample ID	AA-BW-03A-20-Camp	Purging/ Sample Device:	Bladder Pump	Total Well depth (ft):	56.10
Time:	0950	PID Reading at TOC:		Water Column Length:	16.25
Dup ID:	—	Water Level Instrument :	Solinst	Minimum Purge Volume:	
Rinsate ID:	—	WLI Serial #:	51166	Samplers Name:	Mischendt, D. Cotton
MS/MSD ID:	—	Water Quality Meter:	Horiba	Optimal Pump Setting:	PSI 40 CPM 2 ID: 45
Analysis:	Camp GW Suite	Water Quality Meter Serial #:	6101	Low-Flow or Net Purge:	Low-Flow
		WQM Calibrated Date & Time:	4/28/09 0725		

Time	Volume Purged	Flow Rate	Water Level (feet - BTOC)	Specific Conductance (mS/cm)	pH	Temp.	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Salinity	TDS
	Liters	ml/min	± 0.1 ft	3%	± 0.1	± 0.2	± 10%	± 10%	± 10%	%	g/L
0926	Start Pump										
0930	.5	120	39.95	10.2	6.78	27.5	0.71	-98	9.3	0.6	6
933	.8	100	39.99	10.2	6.83	27.2	0.49	-97	9.2	0.6	6
938	1.3	100	40.05	10.2	6.84	26.9	0.34	-99	7.7	0.6	6
941	1.6	100	40.13	10.2	6.85	26.9	0.32	-99	7.8	0.6	6
945	2.0	100	40.18	10.2	6.85	29.9	0.32	-102	7.5	0.6	6
0950	Camp GW Sample										
1146	Sampling Complete		40.59								

Comments: _____

Maximum permissable drawdown = 2.53 ft BTOC, water level not to draw down below 42.38 ft BTOC

Optimal drawdown for low-flow micropurge sampling is less than 0.3 ft at a flow rate of 0.1 to 1.0 L/min.

If drawdown exceeds 0.3 ft at a flow rate of 0.1 L/min....then attempt to achieve drawdown less than or equal to 25% of the available screen interval at flow rate equal to 0.1 to 1.0 L/min.

This is performed by subtracting pump intake and top of screen for fully submerged screens then multiplying by 25%, or subtracting the distance between pump intake and static water level and multiplying by 25% for water table wells with partly submerged screens.

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Monitoring Well Low-Flow Purge/Sampling Form

Project: CAMW 2nd QUARTER

Well ID: AA-BW-04A-20-CAMW
Date: 4/20/09
Sample ID AA-BW-04A-20-CAMW
Time:
Dup ID: AA-BW-04A-20-CAMW(FB)
Rinsate ID: -
MS/MSD ID: -
Analysis: CAMW Suite

Screened Interval (ft): 34-54' BTOC
Pump Intake Depth (ft): 53.6 BTOC
Purging/ Sample Device: DEDICATED
PID Reading at TOC:
Water Level Instrument: SOLINST
WLI Serial #: 51166
Water Quality Meter: HORIBA
Water Quality Meter Serial #: 008015
WQM Calibrated Date & Time: 4/20/09 1111

Well Diameter (in): 4"
Static Water Level (ft): 37.95
Total Well depth (ft): 54.85
Water Column Length: 16.90
Minimum Purge Volume:
Samplers Name: M. Schmidt, D. Ortega
Optimal Pump Setting: PSI 20 CPM 4 ID: 103
Low-Flow or Net Purge: Low Flow

Time	Volume Purged	Flow Rate	Water Level (feet - BTOC)	Specific Conductance (mS/cm)	pH	Temp.	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Salinity	TDS
	Liters	**ml/min**	**± 0.1 ft**	**3%**	**± 0.1**	**± 0.2**	**± 10%**	**± 10%**	**± 10%**	**%**	**g/L**
1123	START PUMP										
1125	.5	500	38.00	26.4	7.35	26.5	0.24	-45	12.3	1.6	16
1128	2.5	500	38.02	26.2	7.43	26.5	0.00	-65	0.0	1.6	16
1133	5.0	500	38.02	26.1	7.44	26.5	0.00	-64	0.0	1.6	16
1138	7.5	500	38.02	26.1	7.44	26.5	0.00	-61	0.0	1.6	16
1143	9.0	500	38.02	26.1	7.45	26.6	0.00	-59	0.0	1.6	16
1145	COMMENCE SAMPLING										
1350	SAMPLE COMPLETE		38.02								

Comments:

Maximum permissable drawdown = _____ ft BTOC, water level not to draw down below _____ ft BTOC

Optimal drawdown for low-flow micropurge sampling is less than 0.3 ft at a flow rate of 0.1 to 1.0 L/min.

If drawdown exceeds 0.3 ft at a flow rate of 0.1 L/min....then attempt to achieve drawdown less than or equal to 25% of the available screen interval at flow rate equal to 0.1 to 1.0 L/min.

This is performed by subtracting pump intake and top of screen for fully submerged screens then multiplying by 25%, or subtracting the distance between pump intake and static water level and multiplying by 25% for water table wells with partly submerged screens.

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Monitoring Well Low-Flow Purge/Sampling Form

Project: BRC-CAMU

Well ID:	AA-BW-05A	Screened Interval (ft)	34'-64' bgs	Well Diameter (in):	4"
Date:	4/21/09	Pump Intake Depth (ft)	63.2' bgs	Static Water Level (ft):	33.60
Sample ID	AA-BW-05A-20-CAMU	Purging/ Sample Device:	Dedicated	Total Well depth (ft):	65.40
Time:	0820	PID Reading at TOC:		Water Column Length:	31.80
Dup ID:	-	Water Level Instrument :	Solinst	Minimum Purge Volume:	
Rinsate ID:	-	WLI Serial #:	5166	Samplers Name:	W. Schmidt, D. Ortega
MS/MSD ID:	-	Water Quality Meter:	Horiba	Optimal Pump Setting:	PSI 50 CPM 3 ID: 82
Analysis:	CAMU GW Suite	Water Quality Meter Serial #:	00805	Low-Flow or Net Purge:	Low Flow
		WQM Calibrated Date & Time:	4/21/09 0735		

Time	Volume Purged	Flow Rate	Water Level (feet - BTOC)	Specific Conductance (mS/cm)	pH	Temp.	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Salinity	TDS
	Liters	**ml/min**	**± 0.1 ft**	**3%**	**± 0.1**	**± 0.2**	**± 10%**	**± 10%**	**± 10%**	**%**	**g/L**
0747	Start pump										
0750	1.0	250	33.73	30.4	6.53	25.8	0.00	-67	0.0	1.9	19
0755	2.25	250	33.73	30.3	6.55	25.9	0.00	-78	0.0	1.9	19
0800	3.50	250	33.73	30.3	6.59	26.0	0.00	-93	0.0	1.9	18
0805	4.75	250	37.94	30.3	6.64	26.0	0.00	-105	0.0	1.9	18
0810	6.00	250	37.73	30.3	6.67	26.0	0.00	-112	0.0	1.9	18
0820	Commence Sampling										
1005	Sampling Complete		37.73								

Comments: _____

Maximum permissable drawdown = _____ ft BTOC, water level not to draw down below _____ ft BTOC

Optimal drawdown for low-flow micropurge sampling is less than 0.3 ft at a flow rate of 0.1 to 1.0 L/min.

If drawdown exceeds 0.3 ft at a flow rate of 0.1 L/min....then attempt to achieve drawdown less than or equal to 25% of the available screen interval at flow rate equal to 0.1 to 1.0 L/min.

This is performed by subtracting pump intake and top of screen for fully submerged screens then multiplying by 25%, or subtracting the distance between pump intake and static water level and multiplying by 25% for water table wells with partly submerged screens.

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Monitoring Well Low-Flow Purge/Sampling Form

Project: BKC-Camp

Well ID:	AA-BW-01A	Screened Interval (ft)	23'-43' bgs	Well Diameter (in):	1"
Date:	4/22/09	Pump Intake Depth (ft)	43' bgs	Static Water Level (ft):	32.63
Sample ID	AA-BW01A-20090422	Purging/ Sample Device:	Dedicated	Total Well depth (ft):	45.35
Time:	0800	PID Reading at TOC:		Water Column Length:	12.72
Dup ID:	—	Water Level Instrument :	Solinst	Minimum Purge Volume:	
Rinsate ID:	—	WLI Serial #:	51166	Samplers Name:	M. Schmidt, D. Kreyer
MS/MSD ID:	—	Water Quality Meter:	Horiba	Optimal Pump Setting:	PSI 60 CPM 5 ID: 82
Analysis:	Comm GWS-Hg	Water Quality Meter Serial #:	008015	Low-Flow or Net Purge:	Low Flow
		WQM Calibrated Date & Time:	4/22/09 0725		

Time	Volume Purged	Flow Rate	Water Level (feet - BTOC)	Specific Conductance mS/cm	pH	Temp.	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Salinity	TDS
	Liters	ml/min	± 0.1 ft	3%	± 0.1	± 0.2	± 10%	± 10%	± 10%	%	g/L
0730	Start pump										
0733	.5	500	32.68	8.55	6.63	24.9	0.04	-58	160	0.5	5.4
0739	3.0	500	32.68	8.64	7.14	25.1	0.00	-86	150	0.5	5.4
0742	4.5	500	32.68	8.55	7.14	25.0	0.00	-90	153	0.5	5.4
0745	6.0	500	32.67	8.47	7.17	25.1	0.00	-94	132	0.5	5.3
0748	7.5	500	32.67	8.45	7.19	25.1	0.00	-97	129	0.5	5.3
0751	9.0	500	32.67	8.41	7.20	25.1	0.00	-101	133	0.5	5.3
0754	10.5	500	32.67	8.43	7.23	25.1	0.00	-104	128	0.5	5.3
0800	Commence Sampling										
0945	Sampling Complete		32.67								

Comments: _____

Maximum permissable drawdown = _____ ft BTOC, water level not to draw down below _____ ft BTOC

Optimal drawdown for low-flow micropurge sampling is less than 0.3 ft at a flow rate of 0.1 to 1.0 L/min.

If drawdown exceeds 0.3 ft at a flow rate of 0.1 L/min....then attempt to achieve drawdown less than or equal to 25% of the available screen interval at flow rate equal to 0.1 to 1.0 L/min.

This is performed by subtracting pump intake and top of screen for fully submerged screens then multiplying by 25%, or subtracting the distance between pump intake and static water level and multiplying by 25% for water table wells with partly submerged screens.

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Monitoring Well Low-Flow Purge/Sampling Form

Project: BEC Camp

Well ID:	AA-BW-07A	Screened Interval (ft)	32'-52' bgs	Well Diameter (in):	4"
Date:	4/23/09	Pump Intake Depth (ft)	48.3 bgs	Static Water Level (ft):	39.28
Sample ID	AA-BW-07A-20-Comp	Purging/ Sample Device:	Dow Pump	Total Well depth (ft):	54.70
Time:	1305	PID Reading at TOC:		Water Column Length:	~~Bail~~ 15.42
Dup ID:	-	Water Level Instrument :	Solinst	Minimum Purge Volume:	
Rinsate ID:	-	WLI Serial #:	51166	Samplers Name:	M. Schmidt, Duong A
MS/MSD ID:	-	Water Quality Meter:	Horiba	Optimal Pump Setting:	PSI 70 CPM 4 ID: 183
Analysis:	VOCs Gas Suite	Water Quality Meter Serial #:	611001	Low-Flow or Net Purge:	Low Flow
		WQM Calibrated Date & Time:	4/23/09 0750		

Time	Volume Purged	Flow Rate	Water Level (feet - BTOC)	Specific Conductance (mS/cm)	pH	Temp.	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Salinity	TDS
	Liters	ml/min	± 0.1 ft	3%	± 0.1	± 0.2	± 10%	± 10%	± 10%	%	g/L
1244	Start Pump										
1246	.5	500	39.31	6.38	6.92	28.7	4.84	456	83.2	0.3	4.0
1249	2.0	500	39.31	6.37	6.65	28.3	3.76	452	59.8	0.3	4.0
1252	3.5	500	39.31	6.38	6.56	28.5	3.48	454	35.2	0.3	4.0
1255	5.0	500	39.32	6.39	6.55	28.2	3.37	453	18.0	0.3	4.0
1258	6.5	500	39.32	6.39	6.56	28.3	3.34	453	16.0	0.3	4.0
1301	8.0	500	39.32	6.40	6.55	28.2	3.31	452	16.8	0.3	4.0
1305	Commence Sampling										
1402	Sampling Complete		39.32								

Comments: _____

Maximum permissable drawdown = _____ ft BTOC, water level not to draw down below _____ ft BTOC

Optimal drawdown for low-flow micropurge sampling is less than 0.3 ft at a flow rate of 0.1 to 1.0 L/min.

If drawdown exceeds 0.3 ft at a flow rate of 0.1 L/min....then attempt to achieve drawdown less than or equal to 25% of the available screen interval at flow rate equal to 0.1 to 1.0 L/min.

This is performed by subtracting pump intake and top of screen for fully submerged screens then multiplying by 25%, or subtracting the distance between pump intake and static water level and multiplying by 25% for water table wells with partly submerged screens.

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Monitoring Well Low-Flow Purge/Sampling Form

Project: BLC-Camp

Well ID:	AA-MW-07	Screened Interval (ft)	30.5 - 70.5' BTOC	Well Diameter (in):	4"
Date:	4/24/09	Pump Intake Depth (ft)	~ 50' BTOC	Static Water Level (ft):	38.67
Sample ID	AA-MW-07-2009-Camp	Purging/ Sample Device:	Peristaltic	Total Well depth (ft):	76.35
Time:	1030	PID Reading at TOC:		Water Column Length:	37.68
Dup ID:	-	Water Level Instrument :	Solinst	Minimum Purge Volume:	
Rinsate ID:	-	WLI Serial #:	5114	Samplers Name:	Mischnicki, Dobrozsa
MS/MSD ID:	AA-MW-07-2009-Camp (MS/MSD)	Water Quality Meter:	Horiba	Optimal Pump Setting:	PSI 50 CPM 3 ID: B2
Analysis:	Camp GW Suite	Water Quality Meter Serial #:	611001	Low-Flow or Net Purge:	Low Flow
		WQM Calibrated Date & Time:	4/24/09 0735		

Time	Volume Purged	Flow Rate	Water Level (feet - BTOC)	Specific Conductance (ms/cm)	pH	Temp.	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Salinity	TDS
	Liters	**ml/min**	**± 0.1 ft**	**3%**	**± 0.1**	**± 0.2**	**± 10%**	**± 10%**	**± 10%**	**%**	**g/L**
1007	Start pump										
1009	.5	350	38.85	25.7	6.67	28.0	0.77	-131	6.8	1.6	16
1012	1.5	350	38.87	25.8	6.66	27.9	0.57	-134	5.4	1.6	16
1015	2.5	350	38.87	25.9	6.65	27.7	0.31	-140	5.5	1.6	16
1018	3.5	350	38.88	26.0	6.64	27.6	0.18	-144	3.5	1.6	16
1021	4.5	350	38.88	26.1	6.63	27.5	0.15	-146	3.6	1.6	16
1024	5.5	350	38.88	26.1	6.64	27.5	0.14	-148	2.7	1.6	16
1030	Commence Sampling										
1315	Sampling Complete 38.88										

Comments:

Maximum permissable drawdown = _____ ft BTOC, water level not to draw down below _____ ft BTOC

Optimal drawdown for low-flow micropurge sampling is less than 0.3 ft at a flow rate of 0.1 to 1.0 L/min.

If drawdown exceeds 0.3 ft at a flow rate of 0.1 L/min....then attempt to achieve drawdown less than or equal to 25% of the available screen interval at flow rate equal to 0.1 to 1.0 L/min.

This is performed by subtracting pump intake and top of screen for fully submerged screens then multiplying by 25%, or subtracting the distance between pump intake and static water level and multiplying by 25% for water table wells with partly submerged screens.

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Monitoring Well Low-Flow Purge/Sampling Form

Project: Bell-Camu

Well ID:	AA-MW-07	Screened Interval (ft)	30.5'-70.5' btoc	Well Diameter (in):	4"
Date:	4/29/09	Pump Intake Depth (ft)	~50' btoc	Static Water Level (ft):	38.20
Sample ID	AA-MW-07-20-Camu	Purging/ Sample Device:	Portable	Total Well depth (ft):	76.35
Time:	1305	PID Reading at TOC:		Water Column Length:	38.15
Dup ID:	—	Water Level Instrument :	Solinst	Minimum Purge Volume:	
Rinsate ID:	—	WLI Serial #:	851166	Samplers Name:	M.Schmidt, D.Ortega
MS/MSD ID:	**	Water Quality Meter:	Horiba	Optimal Pump Setting:	PSI 50 CPM 3 ID: 82
Analysis:	**	Water Quality Meter Serial #:	61011	Low-Flow or Net Purge:	Low flow
** AA-MW-07-20-Camu (MS/MSD)		WQM Calibrated Date & Time:	4/29/09 0750		

Time	Volume Purged	Flow Rate	Water Level (feet - BTOC)	Specific Conductance µS/cm	pH	Temp.	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Salinity	TDS
	Liters	ml/min	± 0.1 ft	3%	± 0.1	± 0.2	± 10%	± 10%	± 10%	%	g/L
1254	START pump										
1258	1.0	350	38.73	26.2	5.13	28.7	0.65	-33	179.0	1.7	17
1301	2.0	350	38.73	27.1	4.97	28.1	0.55	-35	156	1.7	17
1304	3.0	350	38.73	27.3	4.96	28.3	0.38	-35	147	1.7	17
1307	4.0	350	38.74	27.3	4.94	27.9	0.32	-31	125	1.7	17
1310	5.0	350	38.73	27.1	4.93	28.1	0.30	-30	126	1.7	17
1313	6.0	350	38.73	27.3	4.92	28.0	0.30	-27	124	1.7	17
1315	Commence Sampling										
1325	Sampling complete		38.73								

Comments: _____

Maximum permissable drawdown = _____ ft BTOC, water level not to draw down below _____ ft BTOC

Optimal drawdown for low-flow micropurge sampling is less than 0.3 ft at a flow rate of 0.1 to 1.0 L/min.

If drawdown exceeds 0.3 ft at a flow rate of 0.1 L/min....then attempt to achieve drawdown less than or equal to 25% of the available screen interval at flow rate equal to 0.1 to 1.0 L/min.

This is performed by subtracting pump intake and top of screen for fully submerged screens then multiplying by 25%, or subtracting the distance between pump intake and static water level and multiplying by 25% for water table wells with partly submerged screens.

** Resample for Nitrate/Nitrite and VOC's

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Monitoring Well Low-Flow Purge/Sampling Form

Project: BRC-CAMU

Well ID: AA-BW-08A
Date: 4/28/09
Sample ID: ~~AA-BW-08A-20-CAMU~~
Time: 0755
Dup ID: ~~AA-BW-08A-20 CAMU (FD)~~
Rinsate ID: —
MS/MSD ID: —
Analysis: CAMU GW Suite

Screened Interval (ft): 37.5'-57.5' Bgs
Pump Intake Depth (ft): ~57 Bgs
Purging/ Sample Device: Dedicated
PID Reading at TOC:
Water Level Instrument: Solinst
WLI Serial #: 61166
Water Quality Meter: Horiba
Water Quality Meter Serial #: 61101
WQM Calibrated Date & Time: 4/28/09 0730

Well Diameter (in): 4"
Static Water Level (ft): 50.89
Total Well depth (ft): 60.65
Water Column Length: 9.76
Minimum Purge Volume:
Samplers Name: M. Schmidt & D. Uttley
Optimal Pump Setting: PSI 60 CPM 3 ID: 82
Low-Flow or Net Purge: Low Flow

Time	Volume Purged	Flow Rate	Water Level (feet - BTOC)	Specific Conductance (mS/cm)	pH	Temp.	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Salinity	TDS
	Liters	ml/min	± 0.1 ft	3%	± 0.1	± 0.2	± 10%	± 10%	± 10%	%	g/L
0737	Start pump										
0739	1.0	500	50.95	28.0	6.59	28.9	0.68	-199	2.3	1.7	17
0742	2.5	500	50.95	28.1	6.81	28.7	0.22	-224	0.0	1.7	17
0745	4.0	500	50.95	28.1	6.83	28.8	0.13	-232	0.0	1.7	17
0748	5.5	500	50.95	28.2	6.93	28.6	0.07	-239	0.0	1.7	17
0751	7.0	500	50.95	28.2	6.93	28.5	0.05	-237	0.0	1.8	17
0755	Commence sampling										
0915	Sampling Complete	50.95									

Comments:

Maximum permissable drawdown = _____ ft BTOC, water level not to draw down below _____ ft BTOC

Optimal drawdown for low-flow micropurge sampling is less than 0.3 ft at a flow rate of 0.1 to 1.0 L/min.

If drawdown exceeds 0.3 ft at a flow rate of 0.1 L/min....then attempt to achieve drawdown less than or equal to 25% of the available screen interval at flow rate equal to 0.1 to 1.0 L/min.

This is performed by subtracting pump intake and top of screen for fully submerged screens then multiplying by 25%, or subtracting the distance between pump intake and static water level and multiplying by 25% for water table wells with partly submerged screens.

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Monitoring Well Low-Flow Purge/Sampling Form

Project: BEC CAMU

Well ID:	AA-BW-08B	Screened Interval (ft)	43'-63' bgs	Well Diameter (in):	4"
Date:	4/28/09	Pump Intake Depth (ft)	~60' bgs	Static Water Level (ft):	51.46
Sample ID	*	Purging/ Sample Device:	Dedicated	Total Well depth (ft):	65.33
Time:	*	PID Reading at TOC:		Water Column Length:	13.87
Dup ID:	—	Water Level Instrument :	Solinst	Minimum Purge Volume:	
Rinsate ID:	—	WLI Serial #:	5166	Samplers Name:	U. Schmidt, D. Verga
MS/MSD ID:	—	Water Quality Meter:	Horiba	Optimal Pump Setting:	PSI 70 CPM 3 ID: 52
Analysis:	*	Water Quality Meter Serial #:	61011	Low-Flow or Net Purge:	*
		WQM Calibrated Date & Time:	4/28/09 0725		

Time	Volume Purged	Flow Rate	Water Level (feet - BTOC)	Specific Conductance (us/cm)	pH	Temp.	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Salinity	TDS
	Liters	ml/min	± 0.1 ft	3%	± 0.1	± 0.2	± 10%	± 10%	± 10%	%	g/L
1155	Start pump										
1155	1.0	350	51.52	53.3	6.44	29.4	0.34	-267	00	3.5	32
1205	3.0	350	51.52	52.7	6.56	29.4	0.09	-265	00	3.5	31
1208	4.0	350	51.52	48.0	6.71	29.3	0.06	-264	00	3.1	29
1211	5.0	350	51.52	41.2	6.84	29.2	0.02	-260	0 0	2.6	25
1214	6.0	350	51.52	39.6	6.94	29.2	0.02	-258	0.0	2.5	24
1217	7.0	350	51.52	38.9	6.96	29.2	0.00	-257	00	2.5	24

Comments: _____

Maximum permissable drawdown = _____ ft BTOC, water level not to draw down below _____ ft BTOC

Optimal drawdown for low-flow micropurge sampling is less than 0.3 ft at a flow rate of 0.1 to 1.0 L/min.

If drawdown exceeds 0.3 ft at a flow rate of 0.1 L/min....then attempt to achieve drawdown less than or equal to 25% of the available screen interval at flow rate equal to 0.1 to 1.0 L/min.

This is performed by subtracting pump intake and top of screen for fully submerged screens then multiplying by 25%, or subtracting the distance between pump intake and static water level and multiplying by 25% for water table wells with partly submerged screens.

* Field parameters only

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Monitoring Well Low-Flow Purge/Sampling Form

Project: BBC Gamma

Well ID:	MCF-BW-08	Screened Interval (ft)	77-87' bgs	Well Diameter (in):	4"
Date:	4/27/09	Pump Intake Depth (ft)	~82' bgs	Static Water Level (ft):	50.05'
Sample ID	*	Purging/ Sample Device:	portable	Total Well depth (ft):	~87.00'
Time:	*	PID Reading at TOC:		Water Column Length:	~36.95'
Dup ID:	—	Water Level Instrument :	Solinst	Minimum Purge Volume:	
Rinsate ID:	—	WLI Serial #:	51164	Samplers Name:	M. Schmidt D. Gray
MS/MSD ID:	—	Water Quality Meter:	Horiba	Optimal Pump Setting:	PSI 60 CPM 2 ID: 46
Analysis:	*	Water Quality Meter Serial #:	61101	Low-Flow or Net Purge:	*
		WQM Calibrated Date & Time:	4/27/09 0750		

Time	Volume Purged	Flow Rate	Water Level (feet - BTOC)	Specific Conductance mS/cm	pH	Temp.	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Salinity	TDS
	Liters	ml/min	± 0.1 ft	3%	± 0.1	± 0.2	± 10%	± 10%	± 10%	%	g/L
1140	Start pump										
1143	0.5	100	50.84	6.28	6.50	30.6	2.19	38	19.2	0.2	2.6
1148	1.0	100	50.63	2.11	6.63	30.2	1.06	-16	24.9	0.1	1.3
1153	1.5	100	50.48	1.80	6.67	29.4	0.73	-39	27.8	0.1	1.1
1158	2.0	100	51.28	1.74	6.69	29.3	0.46	-58	23.5	0.1	1.1
1203	2.5	100	51.43	1.73	6.76	29.1	0.34	-70	28.2	0.1	1.1
1208	3.0	100	51.63	1.73	6.78	29.2	0.31	-76	28.5	0.1	1.1

Comments:

Maximum permissable drawdown = _____ ft BTOC, water level not to draw down below _____ ft BTOC

Optimal drawdown for low-flow micropurge sampling is less than 0.3 ft at a flow rate of 0.1 to 1.0 L/min.

If drawdown exceeds 0.3 ft at a flow rate of 0.1 L/min....then attempt to achieve drawdown less than or equal to 25% of the available screen interval at flow rate equal to 0.1 to 1.0 L/min.

This is performed by subtracting pump intake and top of screen for fully submerged screens then multiplying by 25%, or subtracting the distance between pump intake and static water level and multiplying by 25% for water table wells with partly submerged screens.

* Field parameters only

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Monitoring Well Low-Flow Purge/Sampling Form

Project: BRC-Camp

Well ID:	AA-BW-09A	Screened Interval (ft)	33-53' bgs	Well Diameter (in):	4"
Date:	4/29/09	Pump Intake Depth (ft)	~54 bgs	Static Water Level (ft):	48.95
Sample ID	AA-BW-09A-20090429	Purging/ Sample Device:	Dedicated	Total Well depth (ft):	55.46
Time:	0845	PID Reading at TOC:		Water Column Length:	6.51
Dup ID:	—	Water Level Instrument :	Solinst	Minimum Purge Volume:	
Rinsate ID:	—	WLI Serial #:	51166	Samplers Name:	M.Schmidt D.Gregg
MS/MSD ID:	—	Water Quality Meter:	Horiba	Optimal Pump Setting:	PSI 50 CPM 2 ID: 4
Analysis:	Comm Suite	Water Quality Meter Serial #:	61011	Low-Flow or Net Purge:	Low Flow
		WQM Calibrated Date & Time:	4/29/09 0750		

Time	Volume Purged	Flow Rate	Water Level (feet - BTOC)	Specific Conductance (mS/cm)	pH	Temp.	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Salinity	TDS
	Liters	ml/min	± 0.1 ft	3%	± 0.1	± 0.2	± 10%	± 10%	± 10%	%	g/L
0810	Start pump										
0815	.5	100	48.90	71.3	6.26	26.1	1.83	91	0.0	4.0	43
0820	1.0	100	48.95	71.9	6.31	26.3	1.04	59	0.0	4.0	43
0825	1.5	100	49.04	72.1	6.33	26.2	0.66	34	0.0	4.0	43
0830	2.0	100	49.08	72.1	6.33	26.1	0.59	19	0.0	4.0	43
0835	2.5	100	49.11	72.1	6.33	26.1	0.56	15	0.0	4.0	43
0840	3.0	100	49.15	72.1	6.34	26.0	0.55	13	0.0	4.0	43
0845	Commence Sampling										
1135	Sample Duplicate		49.35								

Comments:

Maximum permissable drawdown = 1.67 ft BTOC, water level not to draw down below 50.42 ft BTOC

Optimal drawdown for low-flow micropurge sampling is less than 0.3 ft at a flow rate of 0.1 to 1.0 L/min.

If drawdown exceeds 0.3 ft at a flow rate of 0.1 L/min....then attempt to achieve drawdown less than or equal to 25% of the available screen interval at flow rate equal to 0.1 to 1.0 L/min.

This is performed by subtracting pump intake and top of screen for fully submerged screens then multiplying by 25%, or subtracting the distance between pump intake and static water level and multiplying by 25% for water table wells with partly submerged screens.

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Monitoring Well Low-Flow Purge/Sampling Form

Project: BRC-CAMU

Well ID:	EC-2	Screened Interval (ft)	50'-60 bTOC	Well Diameter (in):	4"
Date:	4/24/09	Pump Intake Depth (ft)	~58 bTOC	Static Water Level (ft):	55.98
Sample ID	EC-2-20-CAMU	Purging/ Sample Device:	PORTABLE	Total Well depth (ft):	60.74
Time:	0815	PID Reading at TOC:		Water Column Length:	4.76
Dup ID:	-	Water Level Instrument :	SOL-ST	Minimum Purge Volume:	
Rinsate ID:	-	WLI Serial #:	51166	Samplers Name:	M. Schmidt, D. ORTEGA
MS/MSD ID:	-	Water Quality Meter:	HORIBA	Optimal Pump Setting:	PSI 50 CPM 2 ID: 47
Analysis:	CAMU GW Suite	Water Quality Meter Serial #:	611001	Low-Flow or Net Purge:	Low Flow
		WQM Calibrated Date & Time:	4/24/09 0735		

Time	Volume Purged	Flow Rate	Water Level (feet - BTOC)	Specific Conductance (ms/cm)	pH	Temp.	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Salinity	TDS
	Liters	**ml/min**	**± 0.1 ft**	**3%**	**± 0.1**	**± 0.2**	**± 10%**	**± 10%**	**± 10%**	**%**	**g/L**
0741	START pump										
0747	1.0	200	56.15	19.7	6.46	28.4	0.92	-195	10.7	1.2	12
0752	2.0	200	56.15	19.9	6.54	28.5	0.50	-206	3.9	1.2	12
0757	3.0	200	56.15	20.0	6.58	28.6	0.33	-212	2.7	1.2	12
0802	4.0	200	56.15	20.0	6.61	28.3	0.23	-214	1.0	1.2	12
0807	5.0	200	56.15	20.0	6.63	28.3	0.21	-218	0.0	1.2	12
0812	6.0	200	56.15	20.0	6.65	28.2	0.19	-221	0.0	1.2	12
0815	Commence Sampling										
1005	Sampling Complete		56.15								

Comments: _____

Maximum permissable drawdown = _____ ft BTOC, water level not to draw down below _____ ft BTOC

Optimal drawdown for low-flow micropurge sampling is less than 0.3 ft at a flow rate of 0.1 to 1.0 L/min.

If drawdown exceeds 0.3 ft at a flow rate of 0.1 L/min....then attempt to achieve drawdown less than or equal to 25% of the available screen interval at flow rate equal to 0.1 to 1.0 L/min.

This is performed by subtracting pump intake and top of screen for fully submerged screens then multiplying by 25%, or subtracting the distance between pump intake and static water level and multiplying by 25% for water table wells with partly submerged screens.

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Monitoring Well Low-Flow Purge/Sampling Form

Project: BRC Camp

Well ID:	EB2	Screened Interval (ft)	50'-60' btoc	Well Diameter (in):	4"
Date:	4/29/09	Pump Intake Depth (ft)	~58' btoc	Static Water Level (ft):	56.10
Sample ID	EB-2-20-Camp	Purging/ Sample Device:	peristaltic	Total Well depth (ft):	60.74
Time:	1230	PID Reading at TOC:		Water Column Length:	4.64
Dup ID:	—	Water Level Instrument :	Solinst	Minimum Purge Volume:	
Rinsate ID:	—	WLI Serial #:	~~Solinst~~ 5466	Samplers Name:	M.Schmidt, A. Espinoza
MS/MSD ID:	—	Water Quality Meter:	~~5466~~ Horiba	Optimal Pump Setting:	PSI 60 CPM 2 ID: 47
Analysis:		Water Quality Meter Serial #:	~~Horiba~~ 6101	Low-Flow or Net Purge:	Low Flow
		WQM Calibrated Date & Time:	4/29/09 0750		

Time	Volume Purged	Flow Rate	Water Level (feet - BTOC)	Specific Conductance µS/cm	pH	Temp.	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Salinity	TDS
	Liters	ml/min	± 0.1 ft	3%	± 0.1	± 0.2	± 10%	± 10%	± 10%	%	g/L
1205	Start Pump										
1207	.5	250	56.15	22.3	6.62	34.3	1.35	-185	7.4	2.3	22
1210	1.0	200	56.15	22.2	6.60	31.6	0.58	-208	10.0	1.4	13
1215	2.5	200	56.14	20.9	6.58	30.3	0.31	-217	10.9	1.3	13
1220	3.5	200	56.16	21.0	6.60	30.2	0.19	-222	9.0	1.3	13
1225	4.5	200	56.16	21.1	6.62	30.2	0.21	-224	9.0	1.3	13
1230	Collect Sample										
1238	Sample Complete		56.16								

Comments: _____

Maximum permissable drawdown = _____ ft BTOC, water level not to draw down below _____ ft BTOC

Optimal drawdown for low-flow micropurge sampling is less than 0.3 ft at a flow rate of 0.1 to 1.0 L/min.

If drawdown exceeds 0.3 ft at a flow rate of 0.1 L/min....then attempt to achieve drawdown less than or equal to 25% of the available screen interval at flow rate equal to 0.1 to 1.0 L/min.

This is performed by subtracting pump intake and top of screen for fully submerged screens then multiplying by 25%, or subtracting the distance between pump intake and static water level and multiplying by 25% for water table wells with partly submerged screens.

Nitrate/nitrite, VOC's Resample

Page___of___

Monitoring Well Low-Flow Purge/Sampling Form

Project: BRC. CAMU

Well ID:	MTB	Screened Interval (ft)	25.5'-50.5' bgs	Well Diameter (in):	2"
Date:	4/23/09	Pump Intake Depth (ft)	~45' bgs	Static Water Level (ft):	36.09
Sample ID	MTB-22.CAMU	Purging/ Sample Device:	Peristaltic	Total Well depth (ft):	54.77
Time:	0850	PID Reading at TOC:		Water Column Length:	18.68
Dup ID:	—	Water Level Instrument :	Solinst	Minimum Purge Volume:	
Rinsate ID:	—	WLI Serial #:	51166	Samplers Name:	M. Schmidt, D. Ortega
MS/MSD ID:	—	Water Quality Meter:	Horiba	Optimal Pump Setting:	PSI 50 CPM 1 ID: 9
Analysis:	CAMU GW Suite	Water Quality Meter Serial #:	611001	Low-Flow or Net Purge:	Low Flow
		WQM Calibrated Date & Time:	0750 4/23/09		

Time	Volume Purged	Flow Rate	Water Level (feet - BTOC)	Specific Conductance MS/cm	pH	Temp.	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Salinity	TDS
	Liters	ml/min	± 0.1 ft	3%	± 0.1	± 0.2	± 10%	± 10%	± 10%	%	g/L
0809	Start pump										
0814	.5	100	36.17	11.6	6.04	28.0	3.19	178	139	0.7	7
0819	1.0	100	36.17	11.7	6.54	27.0	1.99	152	129	0.7	7
0824	1.5	100	36.17	11.6	6.69	26.6	0.89	137	130	0.7	7
0829	2.0	100	36.17	11.6	6.75	26.4	0.70	125	101	0.7	7
0834	2.5	100	36.17	11.7	6.78	26.4	0.65	121	82.3	0.7	7
0839	3.0	100	36.17	11.7	6.78	26.4	0.63	115	79.9	0.7	7
0844	3.5	100	36.17	11.7	6.80	26.5	0.58	113	77.3	0.7	7
0850	Commence Sampling										
1225	Sampling Complete		36.17								

Comments: _____

Maximum permissable drawdown = _____ ft BTOC, water level not to draw down below _____ ft BTOC

Optimal drawdown for low-flow micropurge sampling is less than 0.3 ft at a flow rate of 0.1 to 1.0 L/min.

If drawdown exceeds 0.3 ft at a flow rate of 0.1 L/min....then attempt to achieve drawdown less than or equal to 25% of the available screen interval at flow rate equal to 0.1 to 1.0 L/min.

This is performed by subtracting pump intake and top of screen for fully submerged screens then multiplying by 25%, or subtracting the distance between pump intake and static water level and multiplying by 25% for water table wells with partly submerged screens.

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Monitoring Well Low-Flow Purge/Sampling Form

Project: DeMaximis Consent Order

Well ID:	H-21R	Screened Interval (ft)	30-45'	Well Diameter (in):	4"
Date:	4-16-09	Pump Intake Depth (ft)	38'	Static Water Level (ft):	31.91
Sample ID	H-21R	Purging/ Sample Device:	QED Portable	Total Well depth (ft):	66.56
Time:	1115	PID Reading at TOC:	N/A	Water Column Length:	34.65
Dup ID:	N/A	Water Level Instrument :	Solinst	Minimum Purge Volume:	
Rinsate ID:	N/A	WLI Serial #:	51166	Samplers Name:	C. Cabes
MS/MSD ID:	N/A	Water Quality Meter:	Horiba U-22	Optimal Pump Setting:	PSI 70 CPM 4 ID: 10S
Analysis:	3200A	Water Quality Meter Serial #:	T008015	Low-Flow or Net Purge:	Low-Flow
		WQM Calibrated Date & Time:	4-16-09 0900		

Time	Volume Purged	Flow Rate	Water Level (feet - BTOC)	Specific Conductance (ms/cm)	pH	Temp. (°C)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Salinity	Pump Settings & TDS
1053 START	Liters	ml/min	± 0.1 ft	3%	± 0.2	± 0.2	± 10%	± 20	± 10%	%	g/L
1056	1	330ml	31.93	16.3	7.03	24.6	8.00	-101	0.0	1.0	10
1059	2	330ml	31.93	16.9	7.01	25.4	0.00	-110	0.0	1.0	10
1102	3	330ml	31.93	17.2	6.99	25.4	0.00	-115	0.0	1.0	11
1105	4	330ml	31.93	17.2	6.99	25.5	0.00	-117	0.0	1.0	11
1108	5	330ml	31.93	17.2	7.00	25.5	0.00	-121	0.0	1.0	11
1111	6	330ml	31.93	17.3	7.00	25.5	0.00	-123	0.0	1.0	11
1115	Sample	taken									
1207	Sample	complete	31.91								

Comments: Additional containers were filled for CAMU sampling.

Maximum permissable drawdown = 1.52 ft BTOC, water level not to draw down below 33.43 ft BTOC

Optimal drawdown for low-flow micropurge sampling is less than 0.3 ft at a flow rate of 0.1 to 1.0 L/min.

If drawdown exceeds 0.3 ft at a flow rate of 0.1 L/min....then attempt to achieve drawdown less than or equal to 25% of the available screen interval at flow rate equal to 0.1 to 1.0 L/min.

This is performed by subtracting pump intake and top of screen for fully submerged screens then multiplying by 25%, or subtracting the distance between pump intake and static water level and multiplying by 25% for water table wells with partly submerged screens.

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Monitoring Well Low-Flow Purge/Sampling Form

Project: BEC-Canus

Well ID:	H-28	Screened Interval (ft)	37.5'-50.5' btoc	Well Diameter (in):	2"
Date:	4/22/09	Pump Intake Depth (ft)	~46.0' btoc	Static Water Level (ft):	38.73 btoc
Sample ID	H-28-20-Canus	Purging/ Sample Device:	Portable	Total Well depth (ft):	47.80 btoc
Time:	1030	PID Reading at TOC:		Water Column Length:	9.07 btoc
Dup ID:	—	Water Level Instrument :	Solinst	Minimum Purge Volume:	
Rinsate ID:	—	WLI Serial #:	51166	Samplers Name:	M. Schmidt, D. Deberg/A
MS/MSD ID:	—	Water Quality Meter:	Horiba	Optimal Pump Setting:	PSI_____ CPM_____ ID:_____
Analysis:	Canus Geo Sr. Pb	Water Quality Meter Serial #:	008015	Low-Flow or Net Purge:	Low Flow
		WQM Calibrated Date & Time:	4/22/09 0225		

Time	Volume Purged	Flow Rate	Water Level (feet - BTOC)	Specific Conductance (MS/cm)	pH	Temp.	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Salinity	TDS
	Liters	ml/min	± 0.1 ft	3%	± 0.1	± 0.2	± 10%	± 10%	± 10%	%	g/L
1001	start pump										
1003	.5	250	38.73	11.5	7.00	24.8	0.00	-3	83.4	0.7	7
1006	1.5	250	38.73	11.5	7.00	24.8	0.00	-4	72.6	0.7	7
1008	2.5	250	38.73	11.6	7.01	24.9	0.00	-5	41.4	0.7	7
1014	3.5	250	38.73	11.6	7.01	24.9	0.00	0	26.7	0.7	7
1018	4.5	250	38.73	11.6	7.01	25.0	0.00	6	13.4	0.7	7
1022	5.5	250	38.73	11.5	7.01	25.0	0.00	6	13.0	0.7	7
1030	Complete Sampling										
1223	Sampling Complete		38.73								

Comments:

Maximum permissable drawdown = _____ ft BTOC, water level not to draw down below _____ ft BTOC

Optimal drawdown for low-flow micropurge sampling is less than 0.3 ft at a flow rate of 0.1 to 1.0 L/min.

If drawdown exceeds 0.3 ft at a flow rate of 0.1 L/min....then attempt to achieve drawdown less than or equal to 25% of the available screen interval at flow rate equal to 0.1 to 1.0 L/min.

This is performed by subtracting pump intake and top of screen for fully submerged screens then multiplying by 25%, or subtracting the distance between pump intake and static water level and multiplying by 25% for water table wells with partly submerged screens.

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Monitoring Well Low-Flow Purge/Sampling Form

Project: BRC-CAMU

Well ID:	H-43	Screened Interval (ft)	29-43' bgs	Well Diameter (in):	4"
Date:	4/21/09	Pump Intake Depth (ft)	~36' bgs	Static Water Level (ft):	32.41
Sample ID	H-43-20-CAMU	Purging/ Sample Device:	portable	Total Well depth (ft):	37.47
Time:	1045	PID Reading at TOC:		Water Column Length:	5.06
Dup ID:	–	Water Level Instrument :	Solinst	Minimum Purge Volume:	
Rinsate ID:	–	WLI Serial #:	51166	Samplers Name:	M. Schmidt, D. Ortega
MS/MSD ID:	–	Water Quality Meter:	Horiba	Optimal Pump Setting:	PSI 40 CPM 4 ID: 163
Analysis:	CAMU GW Suite	Water Quality Meter Serial #:	008015	Low-Flow or Net Purge:	Low Flow
		WQM Calibrated Date & Time:	4/21/09 0735		

Time	Volume Purged	Flow Rate	Water Level (feet - BTOC)	Specific Conductance (mS/cm)	pH	Temp.	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Salinity	TDS
	Liters	**ml/min**	**± 0.1 ft**	**3%**	**± 0.1**	**± 0.2**	**± 10%**	**± 10%**	**± 10%**	**%**	**g/L**
1012	START PUMP										
1015	1.0	400	32.43	7.03	6.73	26.9	0.00	-92	153	0.4	4.4
1018	2.5	400	32.42	6.94	6.02	26.3	0.00	-59	68	0.4	4.4
1021	3.5	400	32.42	6.96	5.84	26.2	0.00	-41	43	0.4	4.4
1024	5.0	400	32.42	6.94	5.78	26.1	0.00	-40	37	0.4	4.4
1027	6.0	400	32.42	6.95	5.73	26.3	0.00	-39	28.6	0.4	4.4
1030	7.5	400	32.42	6.96	5.58	26.2	0.00	-34	29.6	0.4	4.4
1033	9.0	400	32.42	6.97	5.58	26.2	0.00	-34	31.0	0.4	4.4
1038	11.0	400	32.42	6.95	5.59	26.3	0.00	-42	29.8	0.4	4.4
1045	Commence Sampling										
1250	Sampling Complete		32.42								

Comments: _____

Maximum permissable drawdown = _____ ft BTOC, water level not to draw down below _____ ft BTOC

Optimal drawdown for low-flow micropurge sampling is less than 0.3 ft at a flow rate of 0.1 to 1.0 L/min.

If drawdown exceeds 0.3 ft at a flow rate of 0.1 L/min....then attempt to achieve drawdown less than or equal to 25% of the available screen interval at flow rate equal to 0.1 to 1.0 L/min.

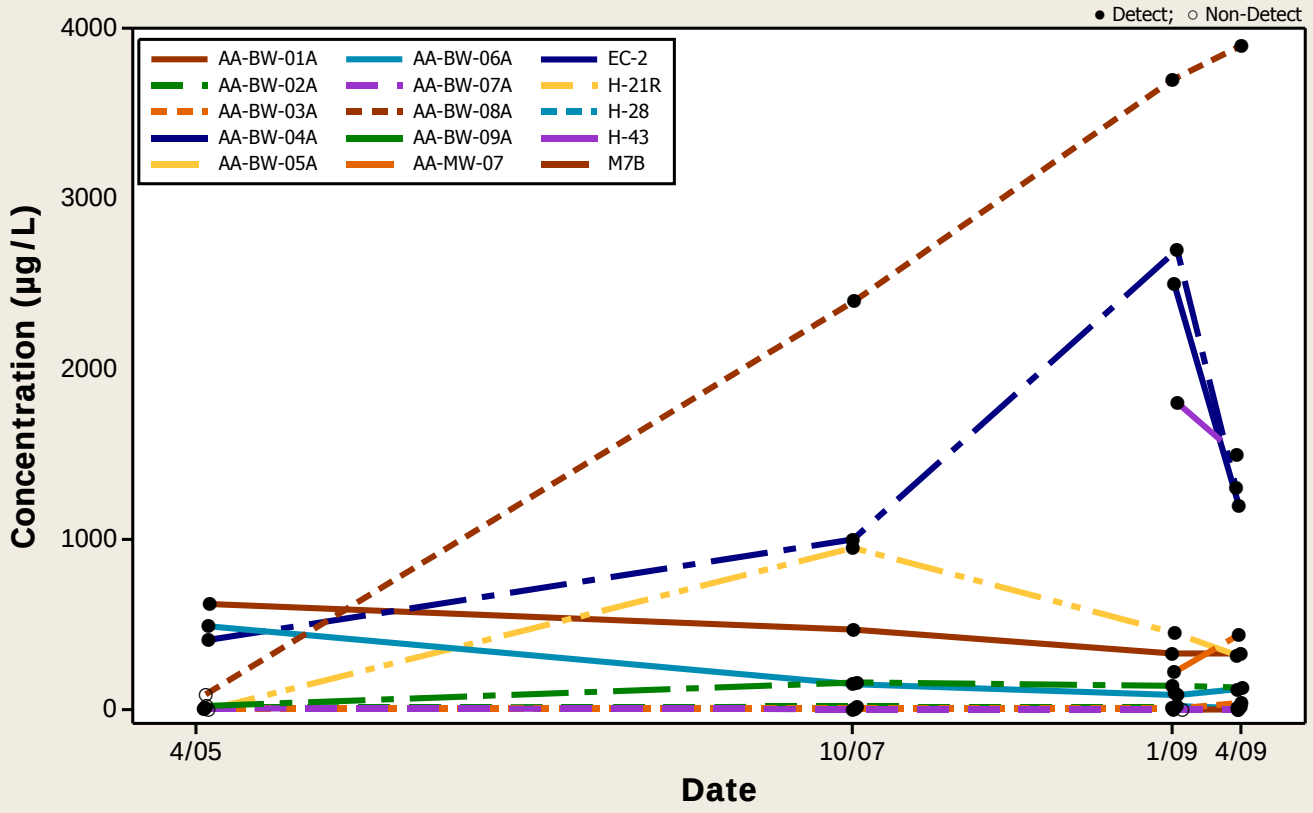
This is performed by subtracting pump intake and top of screen for fully submerged screens then multiplying by 25%, or subtracting the distance between pump intake and static water level and multiplying by 25% for water table wells with partly submerged screens.

APPENDIX D

CONCENTRATION TREND GRAPHS

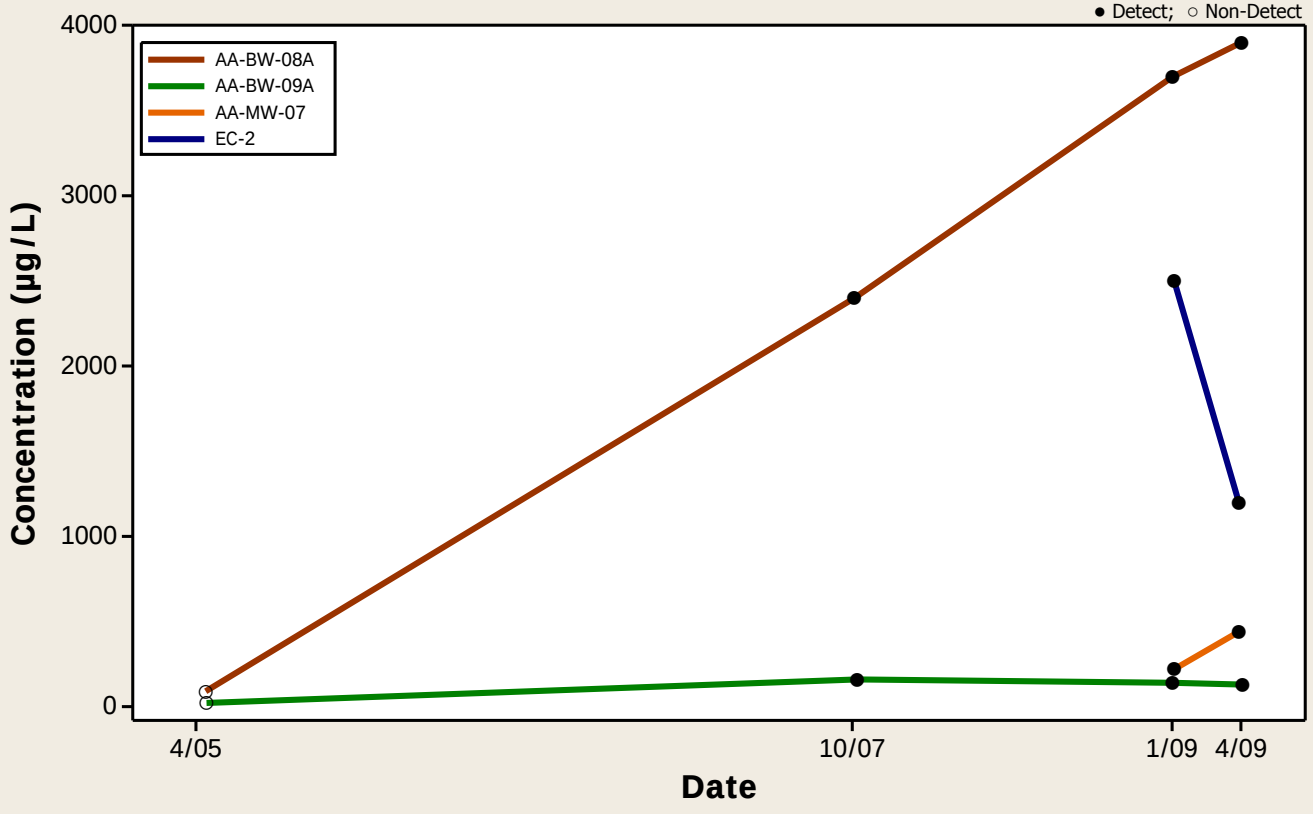
Concentration Trend Graph - All Wells

Analyte = 1,4-Dichlorobenzene



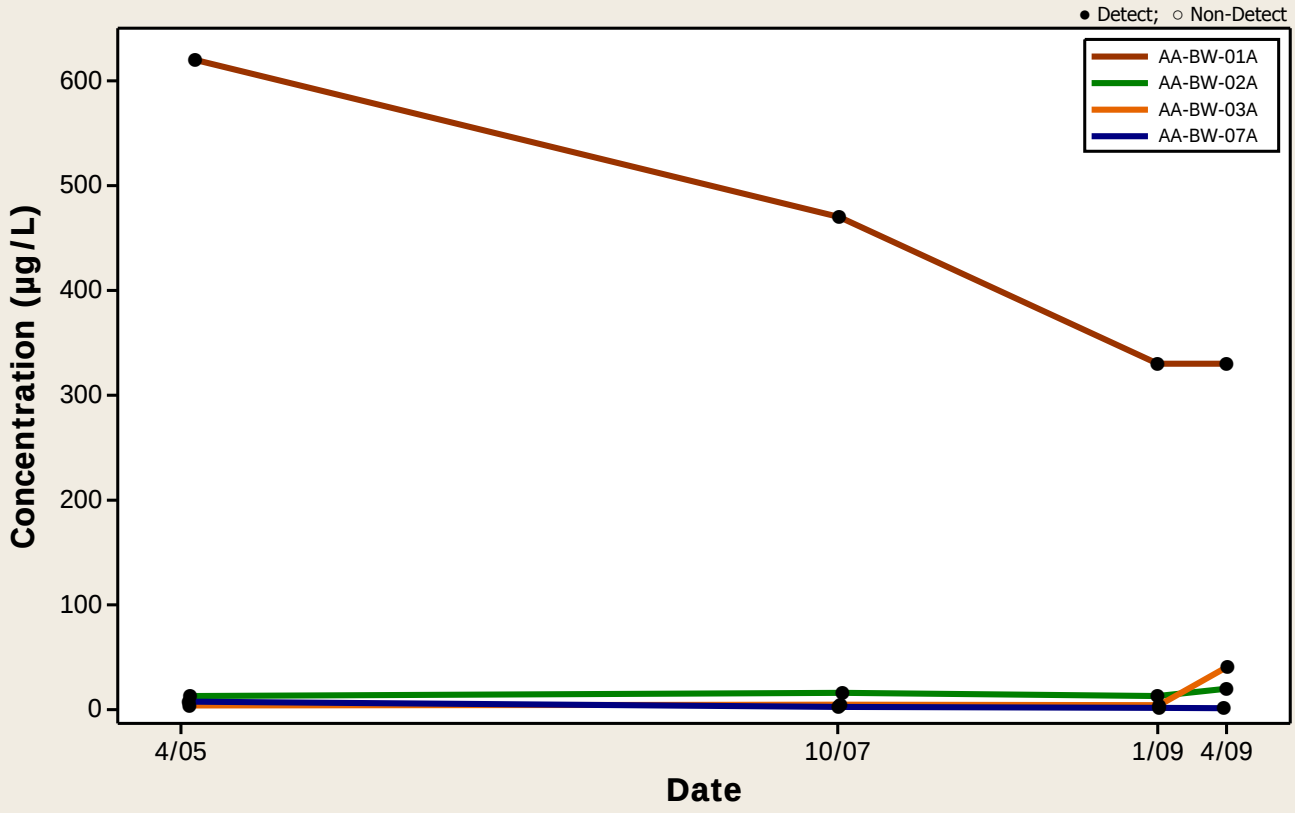
Concentration Trend Graph - Upgradient Wells

Analyte = 1,4-Dichlorobenzene



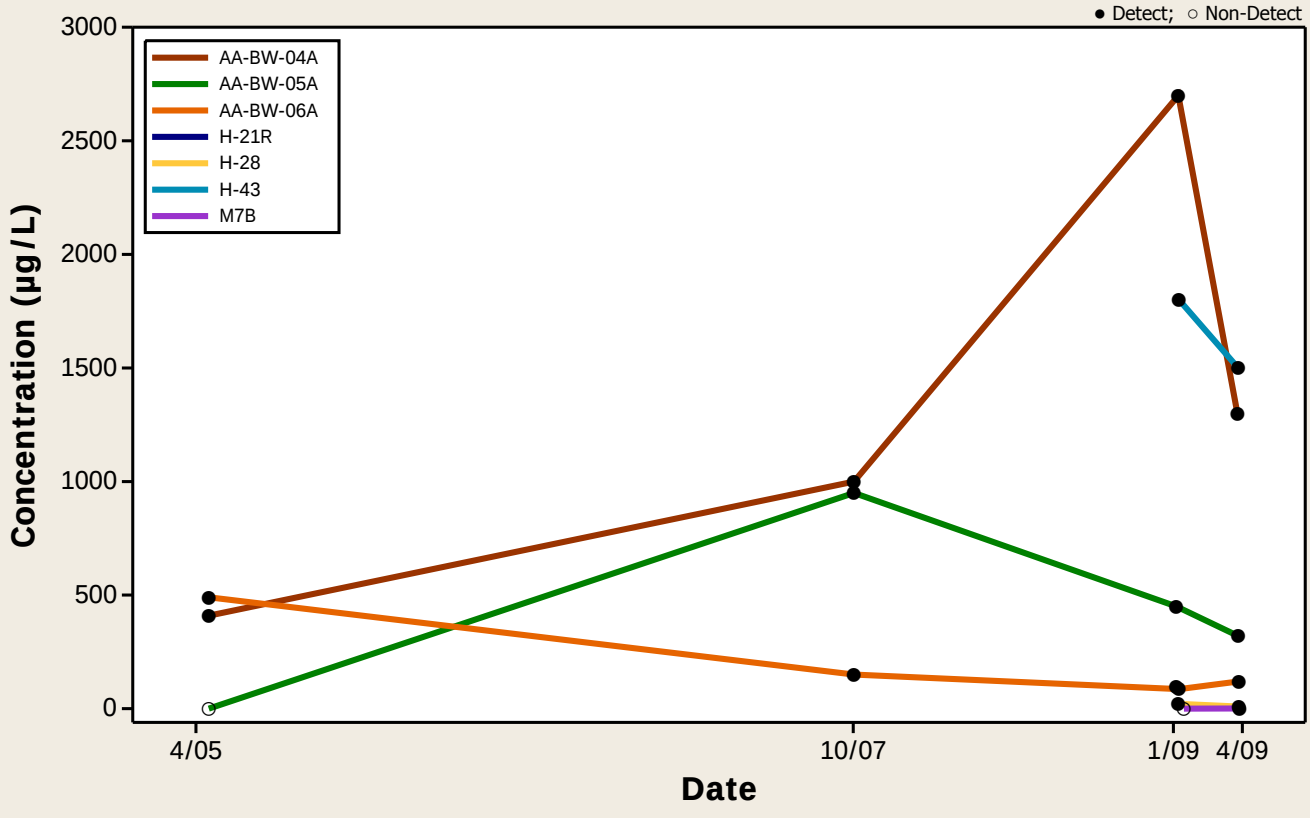
Concentration Trend Graph - Crossgradient Wells

Analyte = 1,4-Dichlorobenzene



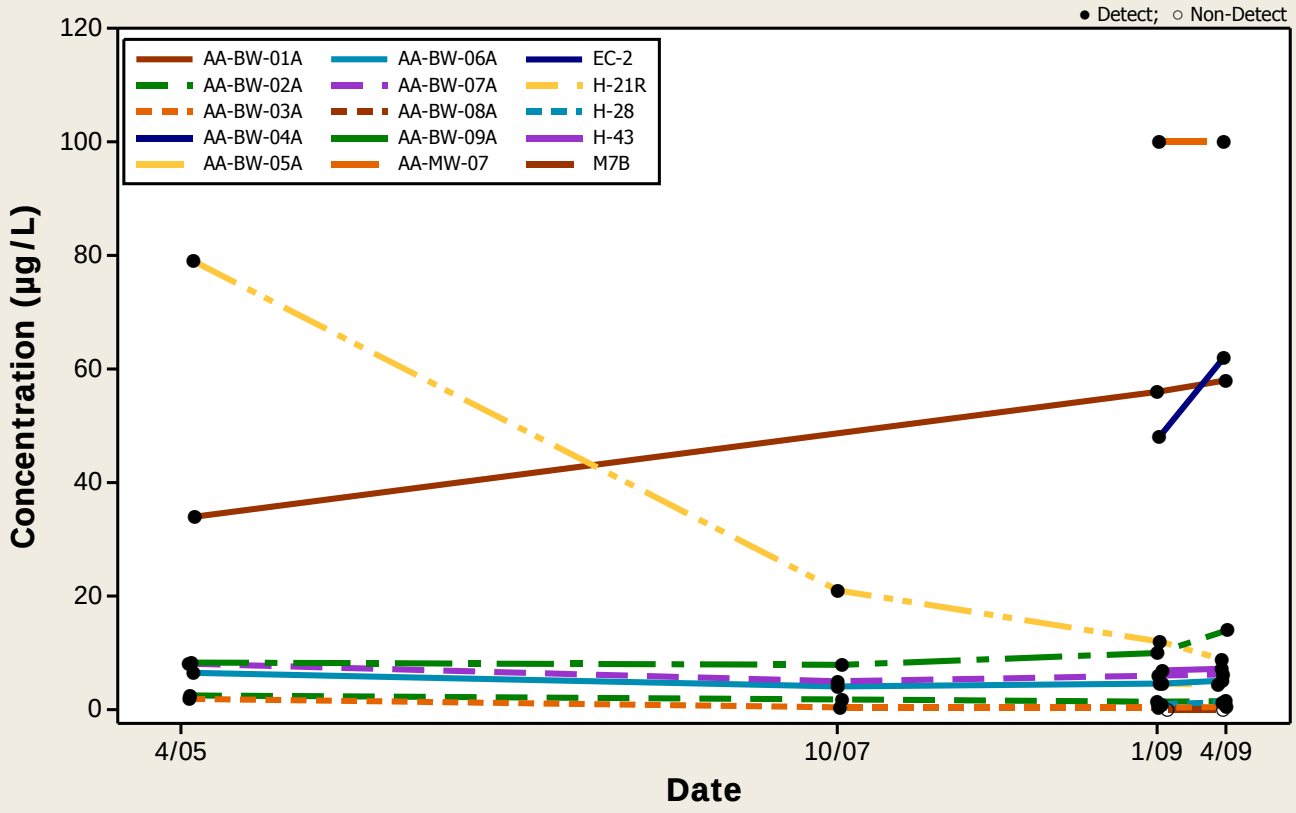
Concentration Trend Graph - Downgradient Wells

Analyte = 1,4-Dichlorobenzene



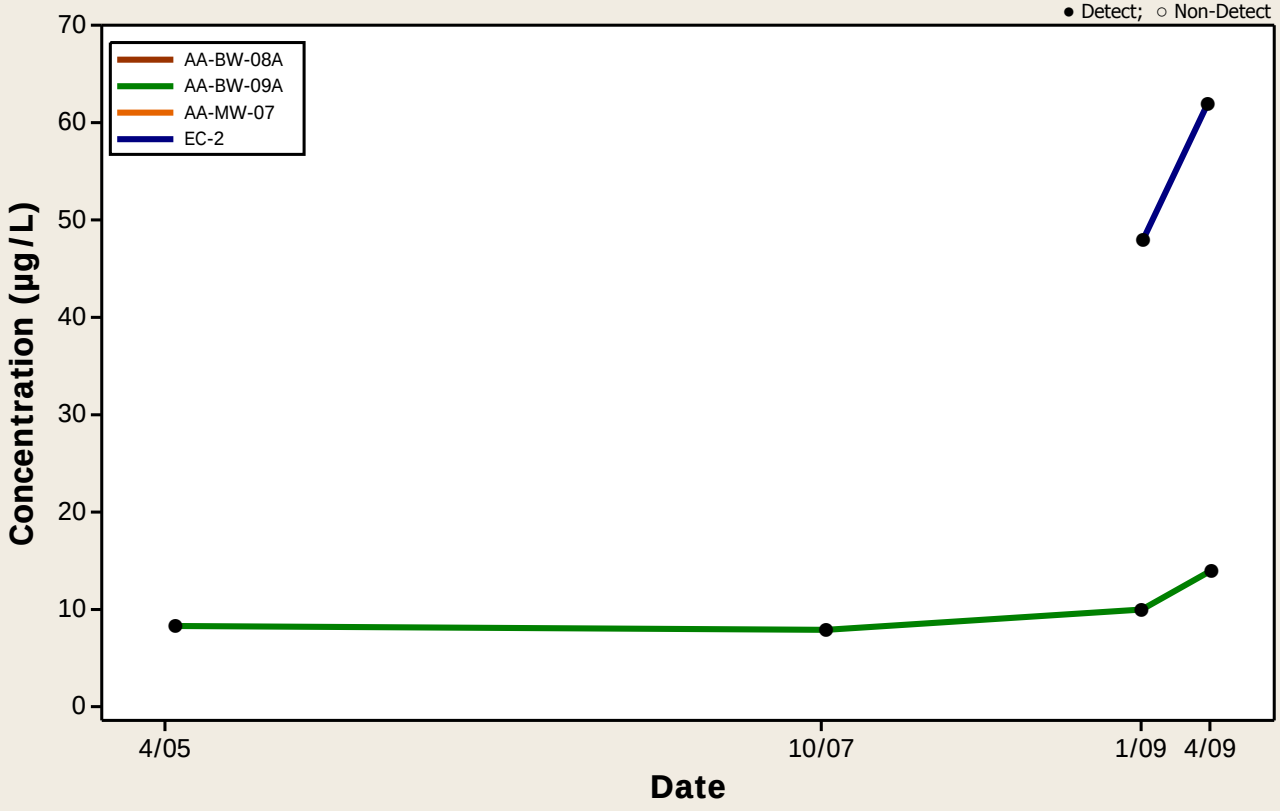
Concentration Trend Graph - All Wells

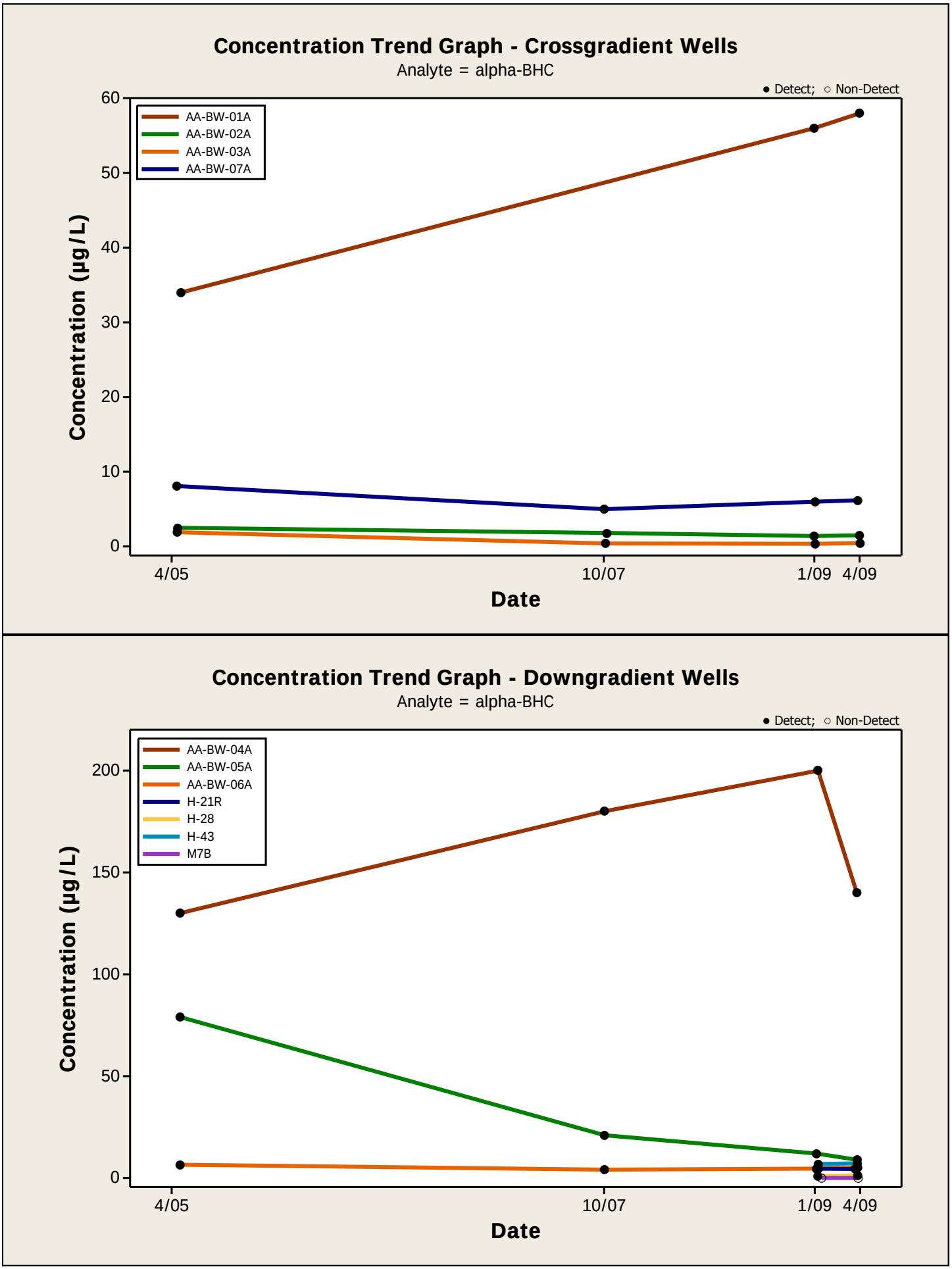
Analyte = alpha-BHC

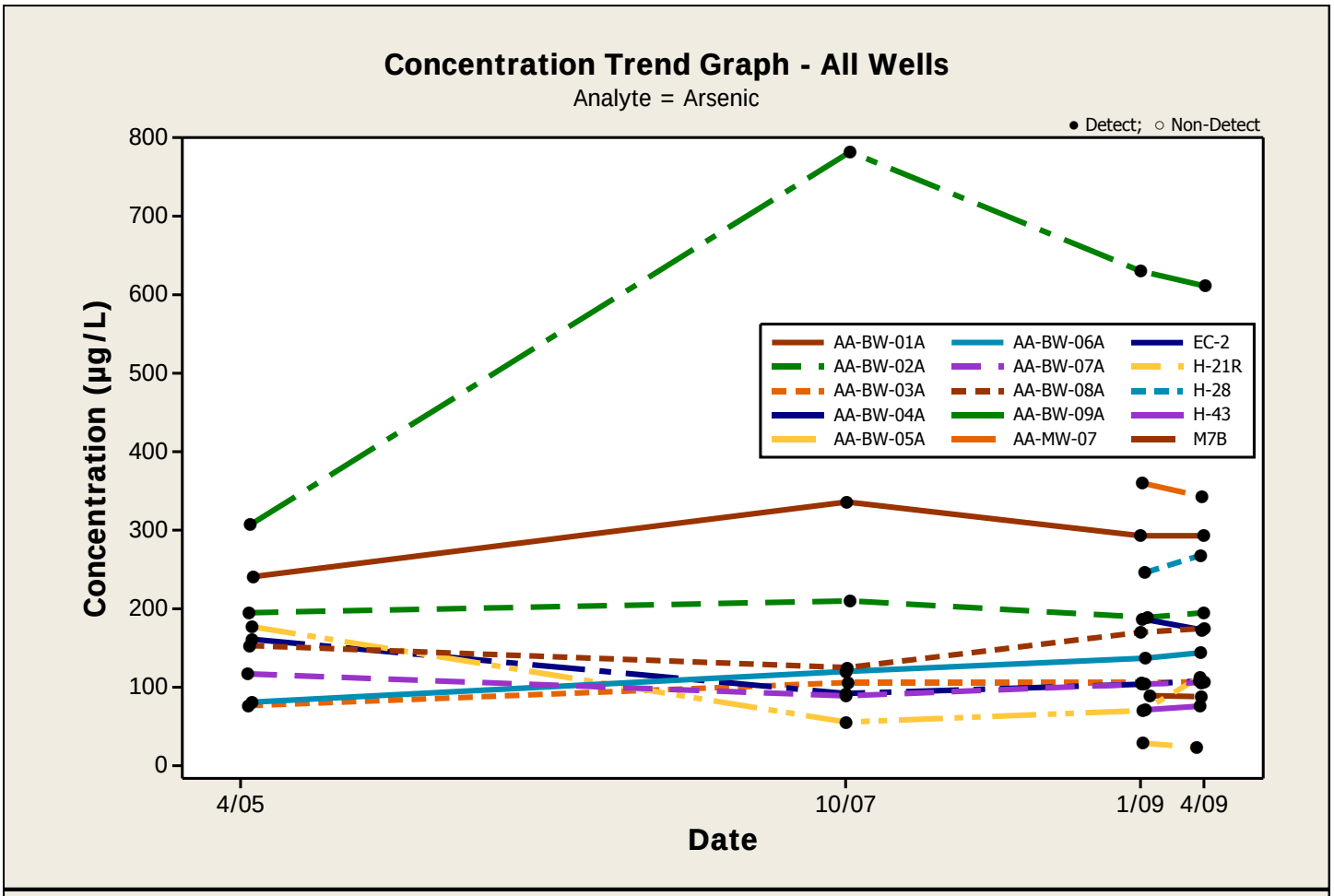


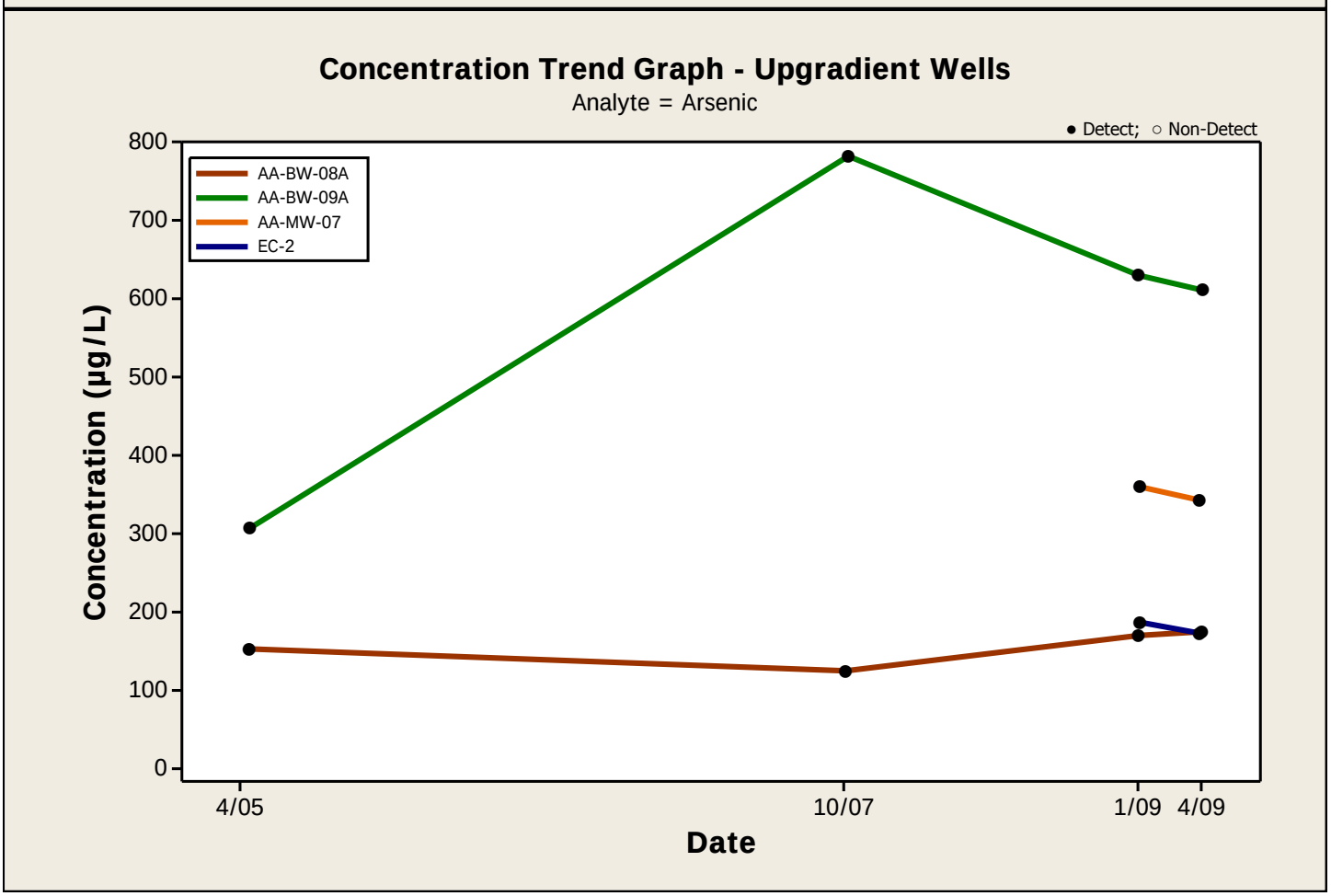
Concentration Trend Graph - Upgradient Wells

Analyte = alpha-BHC



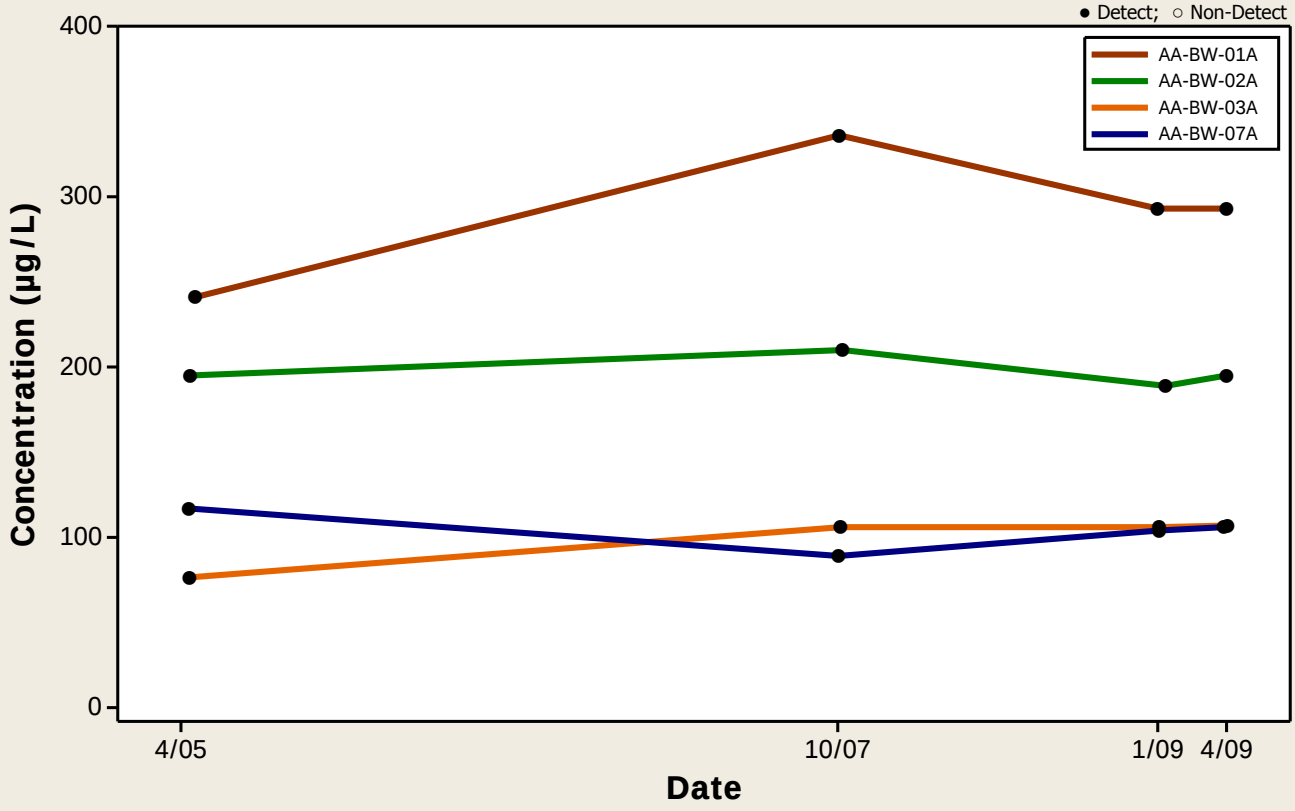

Concentration Trend Graph - Crossgradient Wells
Analyte = alpha-BHC
● Detect; ○ Non-Detect
AA-BW-01A
AA-BW-02A
AA-BW-03A
AA-BW-07A
Concentration (µg/L)
60
50
40
30
20
10
0
4/05
10/07
1/09
4/09
Date
Concentration Trend Graph - Downgradient Wells
Analyte = alpha-BHC
● Detect; ○ Non-Detect
AA-BW-04A
AA-BW-05A
AA-BW-06A
H-21R
H-28
H-43
M7B
Concentration (µg/L)
200
150
100
50
0
4/05
10/07
1/09
4/09
Date


Concentration Trend Graph - All Wells
Analyte = Arsenic
● Detect; ○ Non-Detect
Concentration (µg/L)
800
700
600
500
400
300
200
100
0
AA-BW-01A
AA-BW-02A
AA-BW-03A
AA-BW-04A
AA-BW-05A
AA-BW-06A
AA-BW-07A
AA-BW-08A
AA-BW-09A
AA-MW-07
EC-2
H-21R
H-28
H-43
M7B
4/05
10/07
1/09
4/09
Date


Concentration Trend Graph - Upgradient Wells
Analyte = Arsenic
● Detect; ○ Non-Detect
Concentration (µg/L)
800
700
600
500
400
300
200
100
0
AA-BW-08A
AA-BW-09A
AA-MW-07
EC-2
4/05
10/07
1/09
4/09
Date

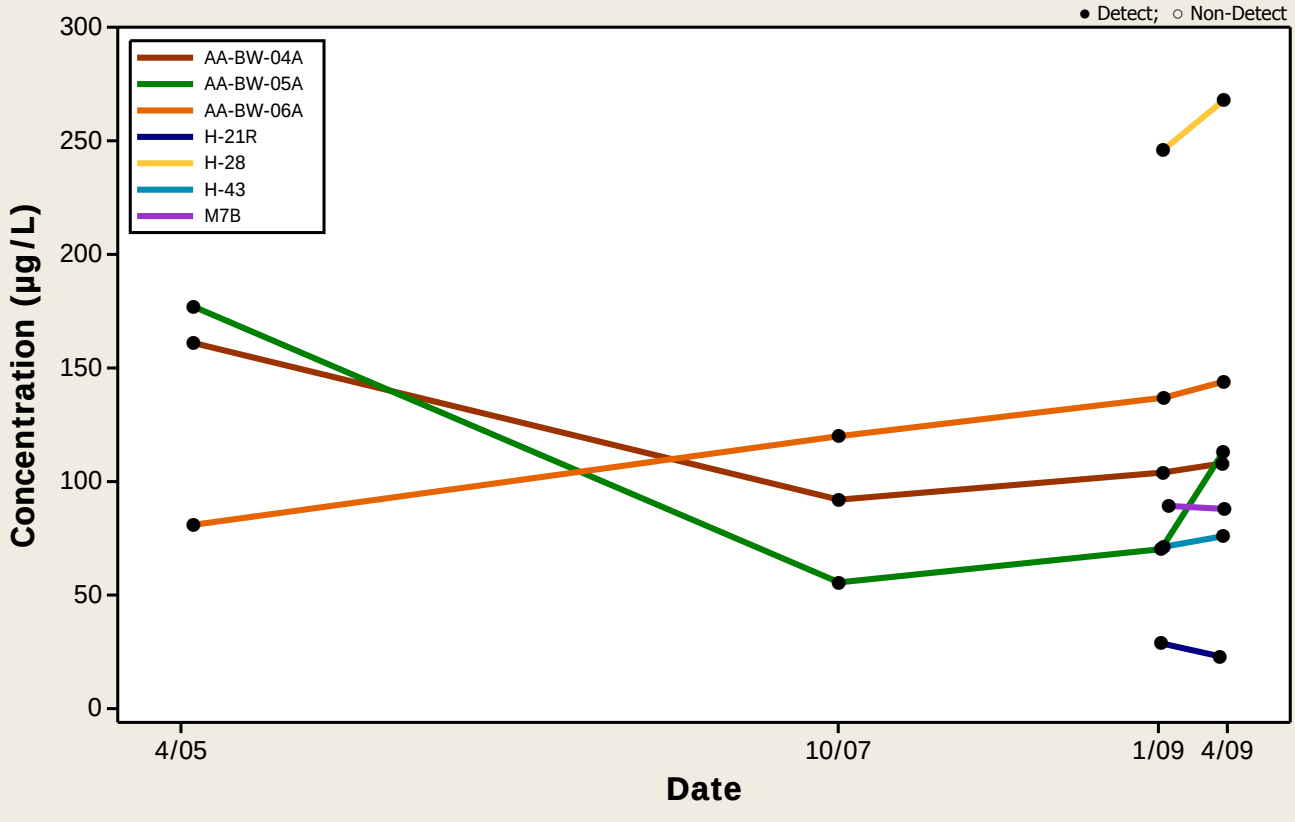
Concentration Trend Graph - Crossgradient Wells

Analyte = Arsenic



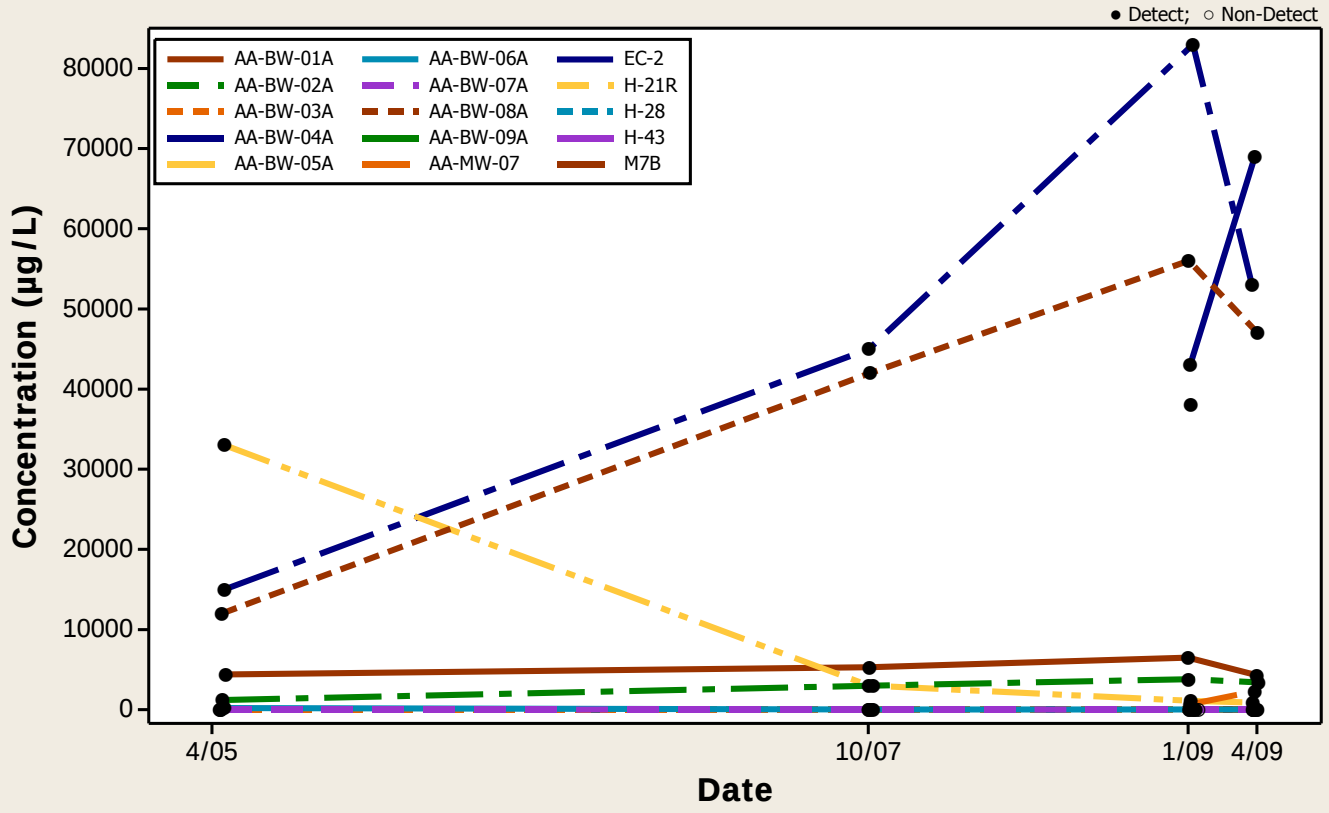
Concentration Trend Graph - Downgradient Wells

Analyte = Arsenic



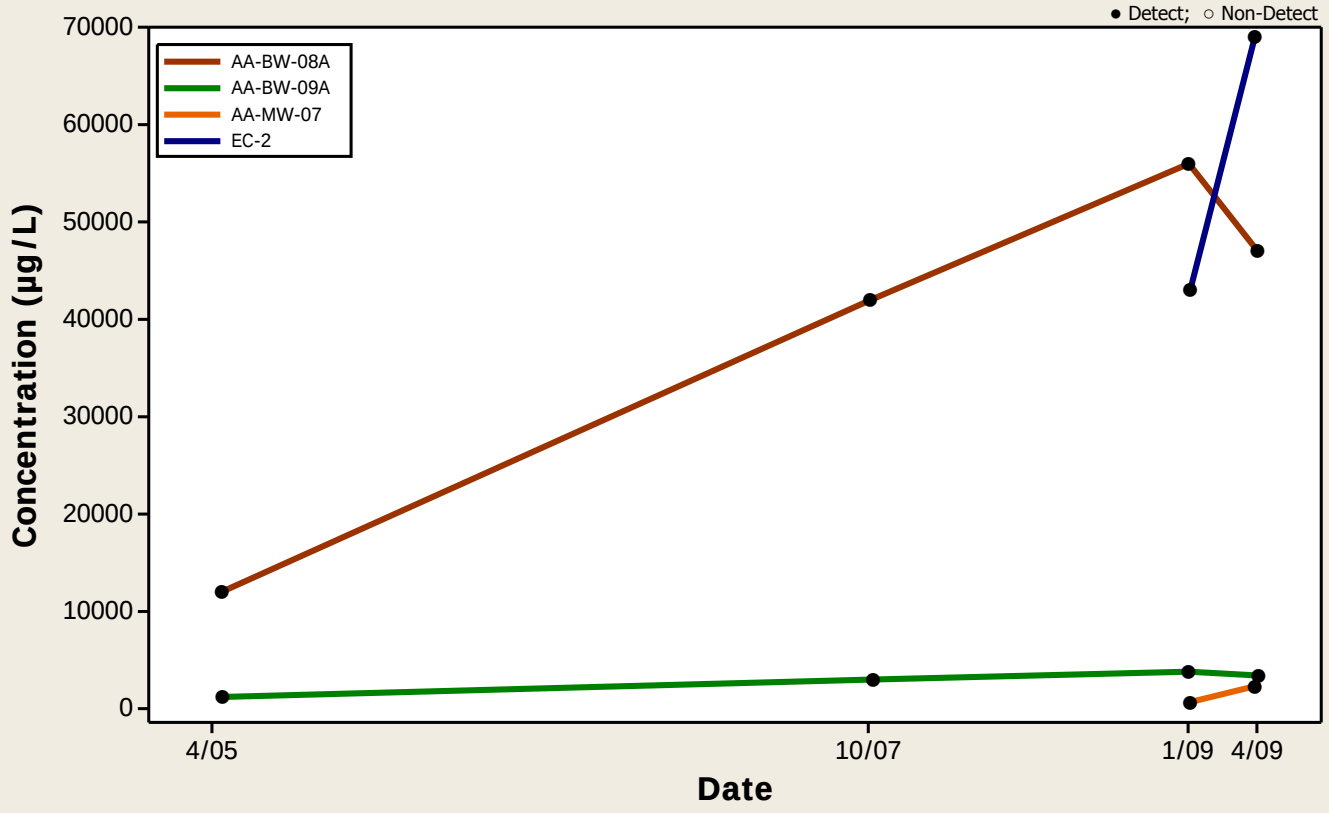
Concentration Trend Graph - All Wells

Analyte = Benzene



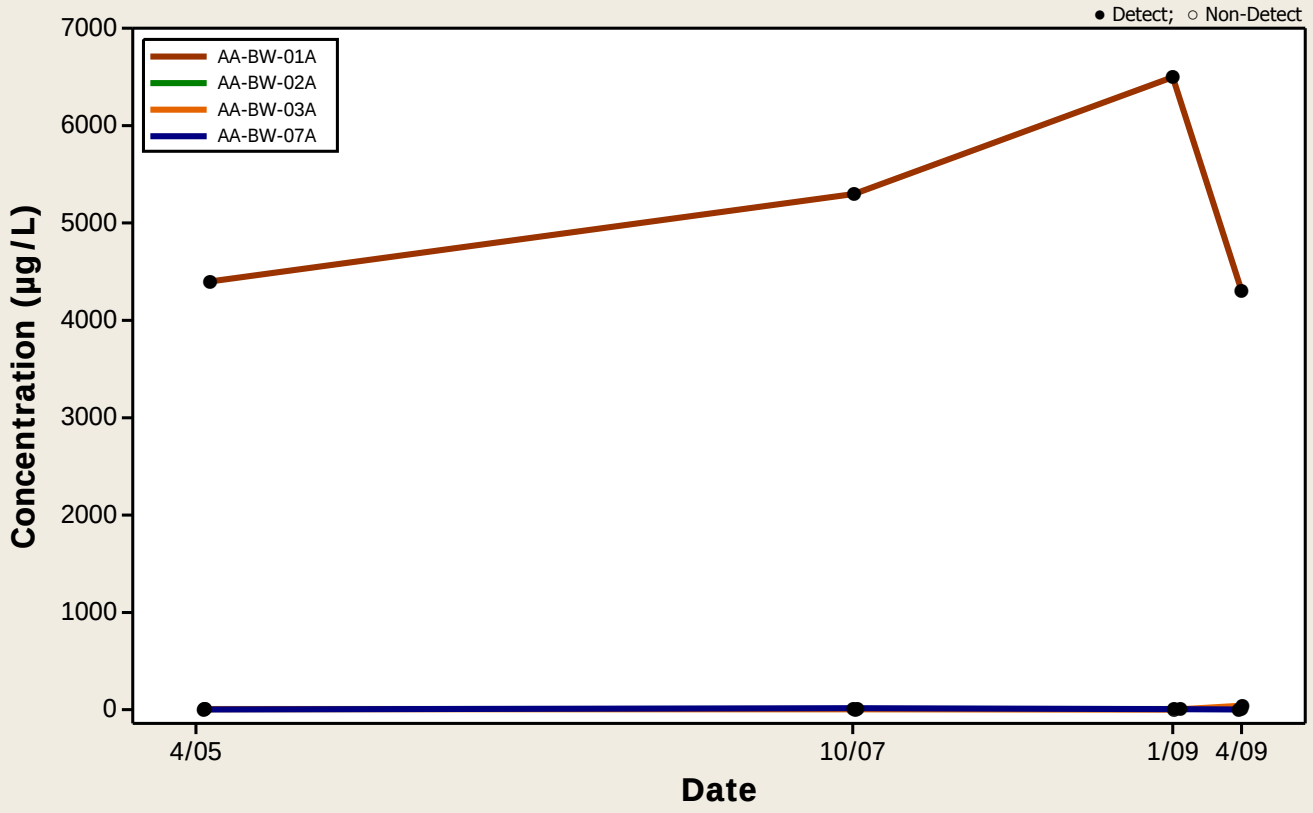
Concentration Trend Graph - Upgradient Wells

Analyte = Benzene



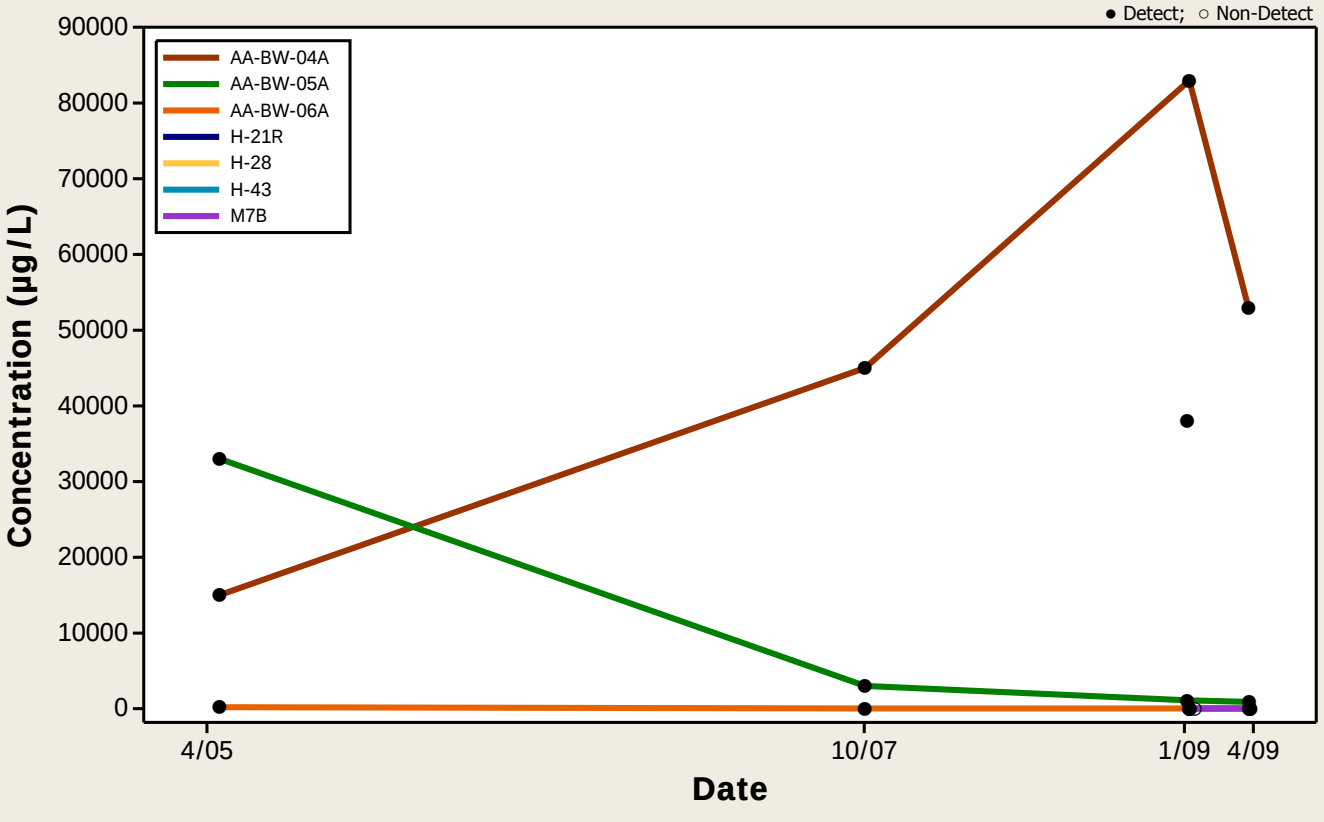
Concentration Trend Graph - Crossgradient Wells

Analyte = Benzene



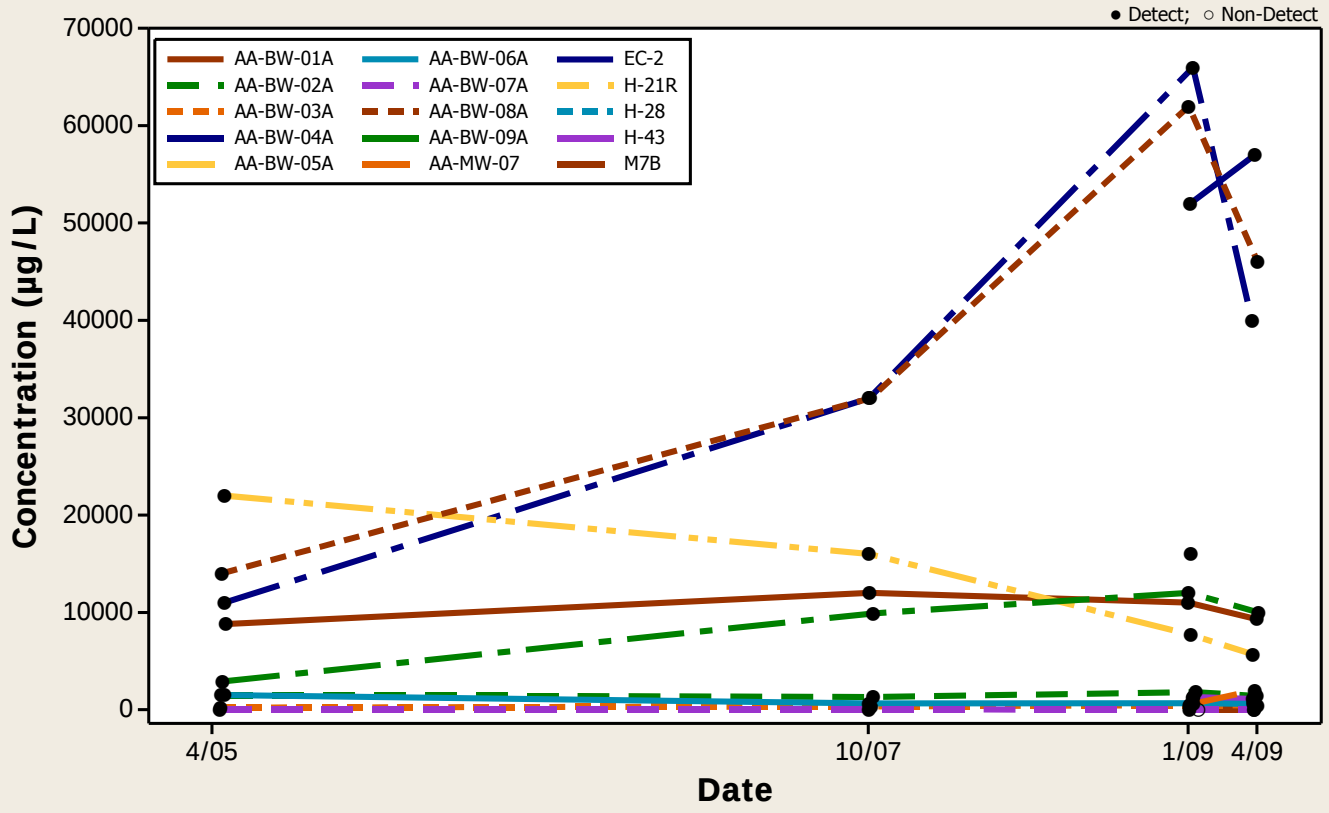
Concentration Trend Graph - Downgradient Wells

Analyte = Benzene



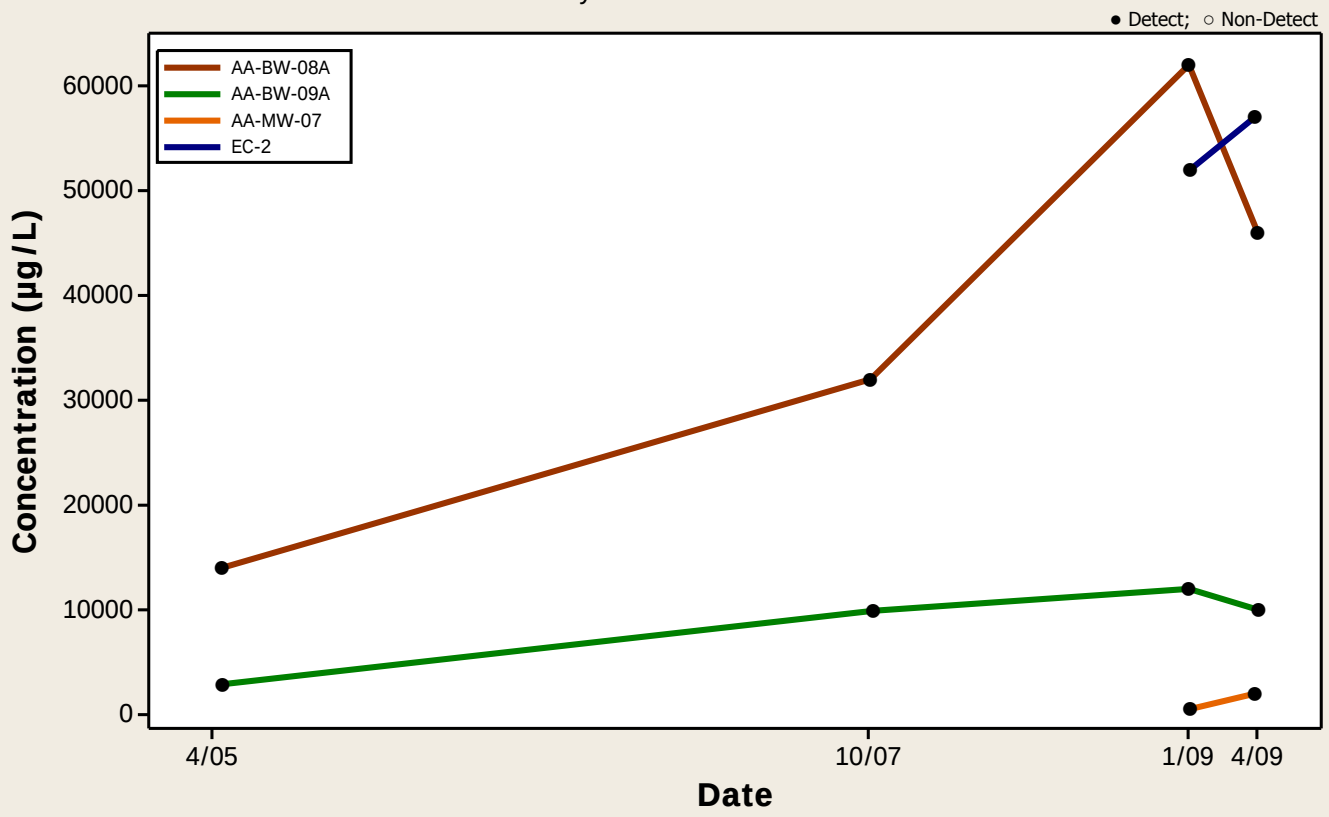
Concentration Trend Graph - All Wells

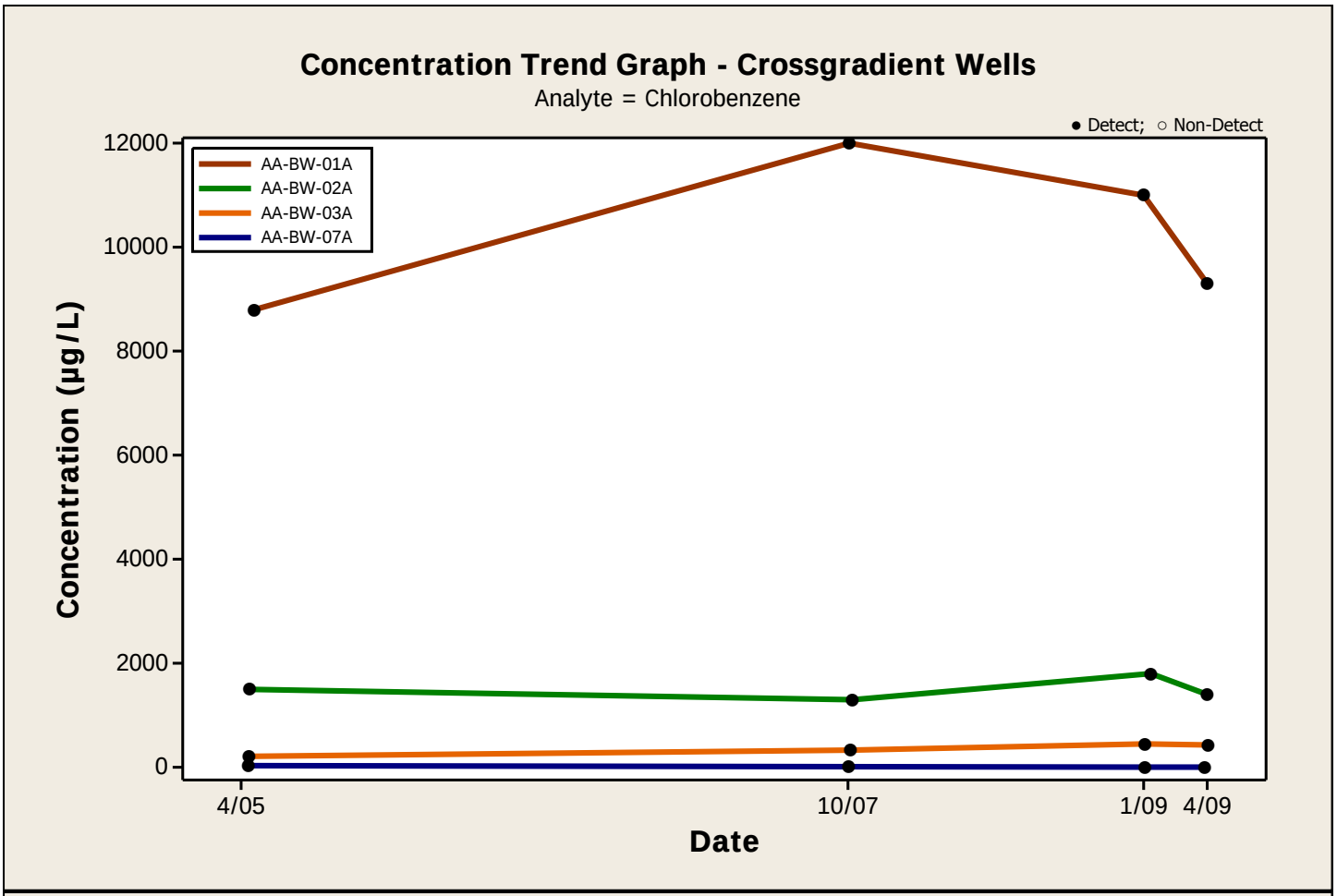
Analyte = Chlorobenzene

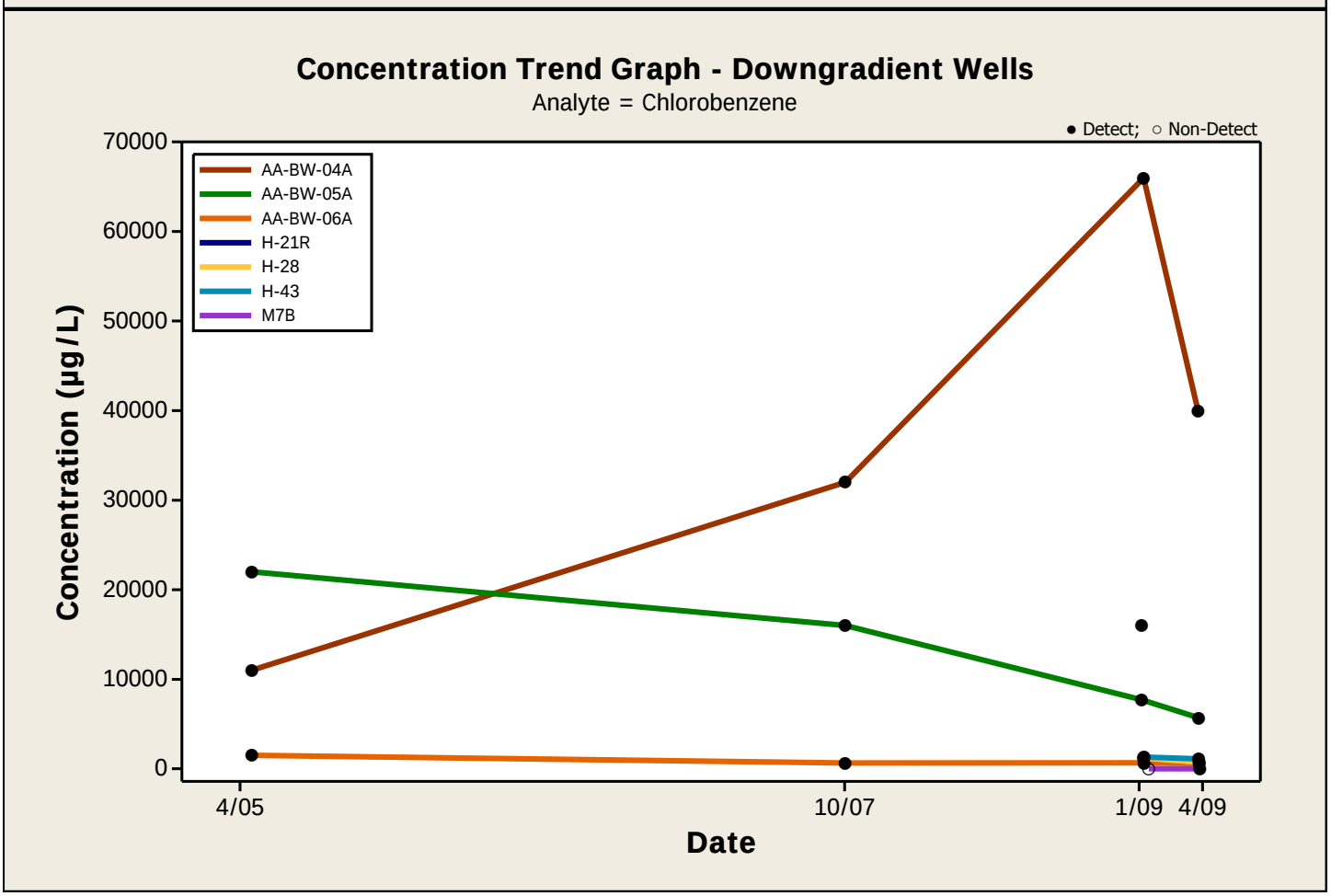


Concentration Trend Graph - Upgradient Wells

Analyte = Chlorobenzene

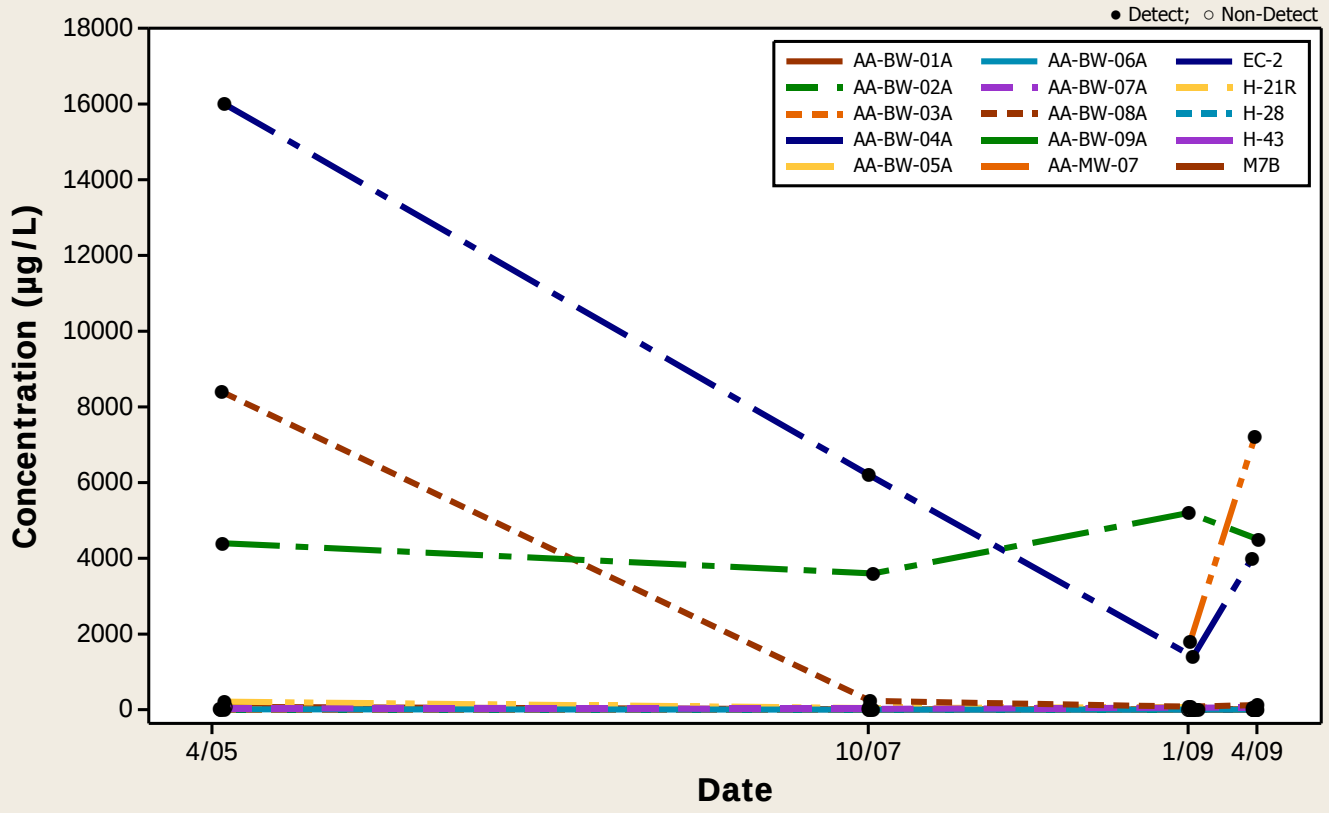



Concentration Trend Graph - Crossgradient Wells
Analyte = Chlorobenzene
● Detect; ○ Non-Detect
AA-BW-01A
AA-BW-02A
AA-BW-03A
AA-BW-07A
12000
10000
8000
6000
4000
2000
0
Concentration (µg/L)
4/05
10/07
1/09
4/09
Date


Concentration Trend Graph - Downgradient Wells
Analyte = Chlorobenzene
● Detect; ○ Non-Detect
AA-BW-04A
AA-BW-05A
AA-BW-06A
H-21R
H-28
H-43
M7B
70000
60000
50000
40000
30000
20000
10000
0
Concentration (µg/L)
4/05
10/07
1/09
4/09
Date

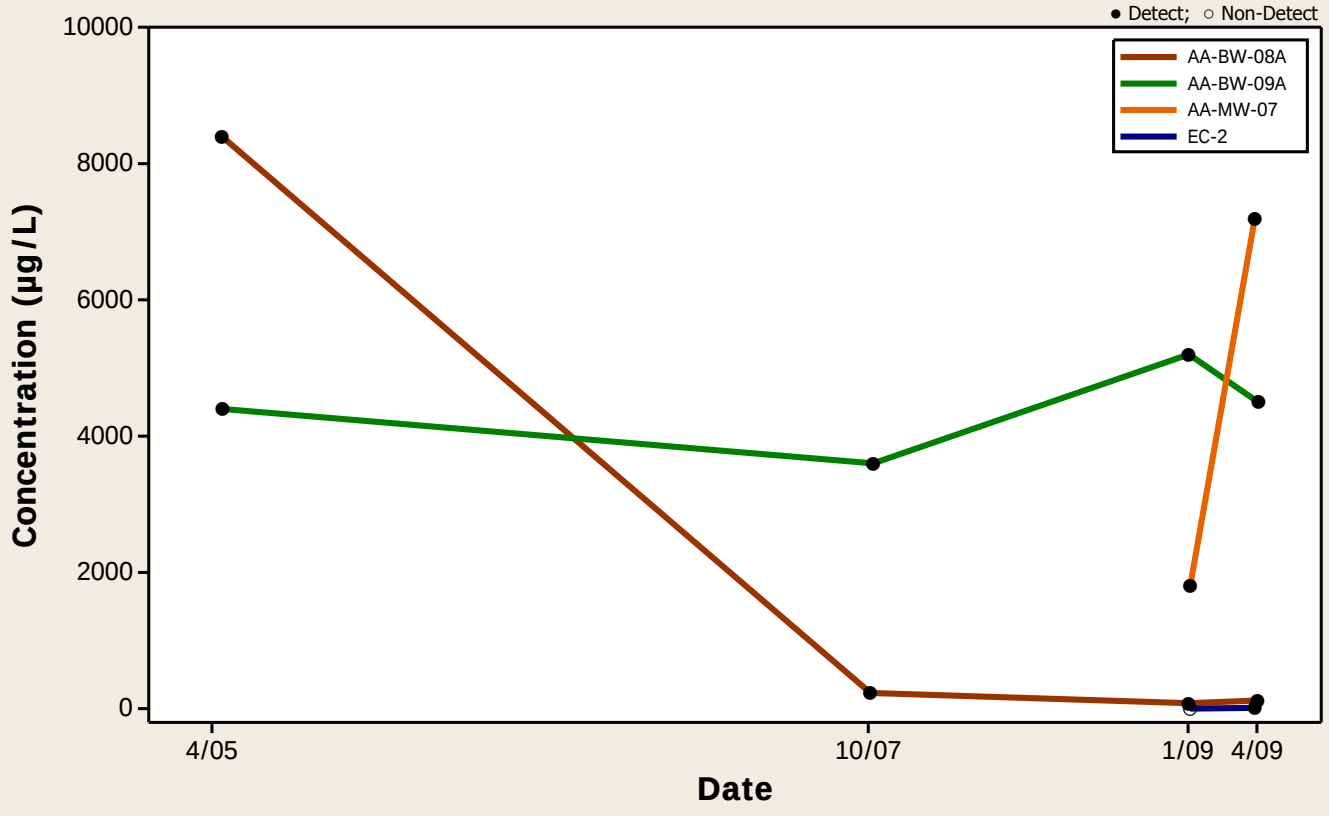
Concentration Trend Graph - All Wells

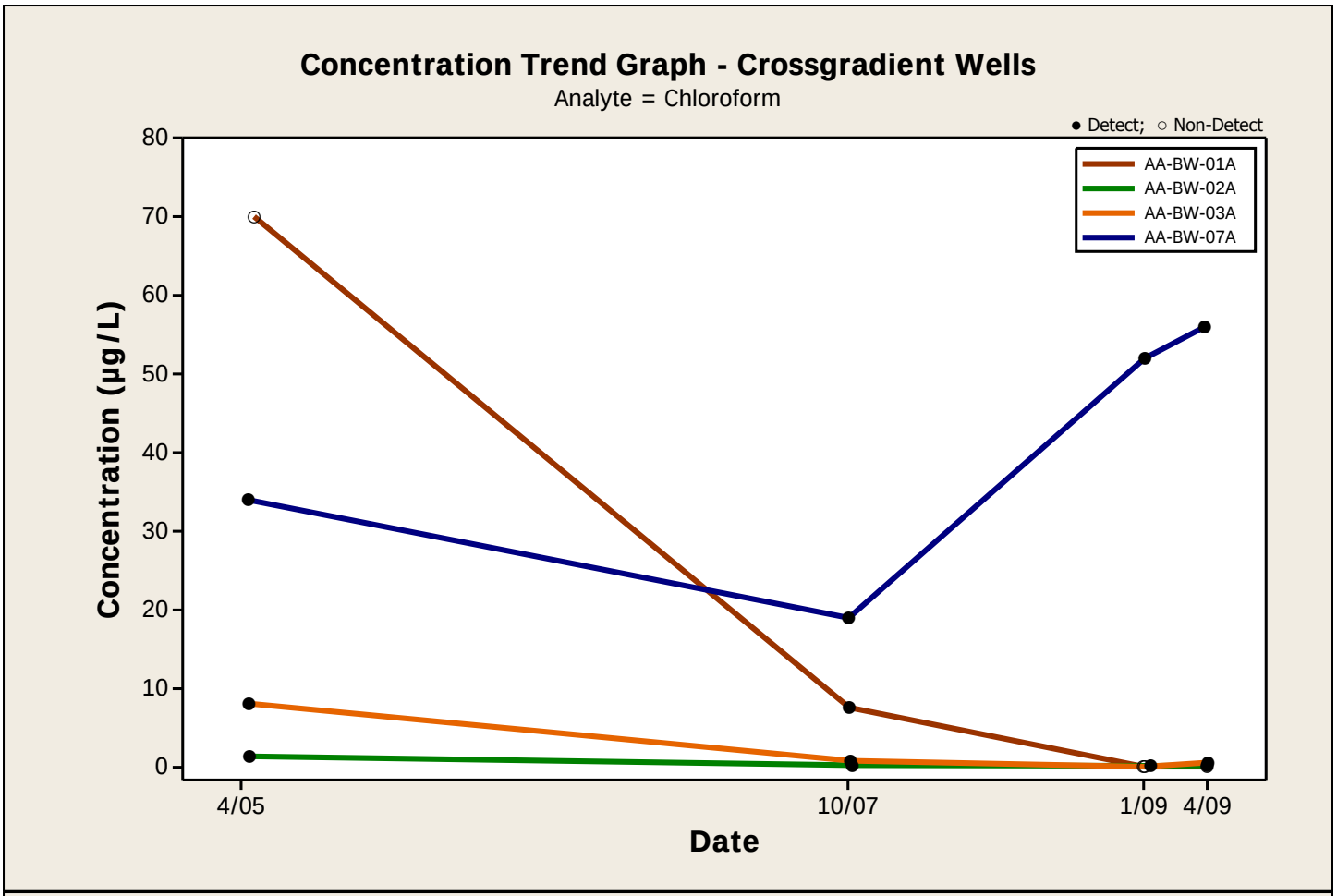
Analyte = Chloroform

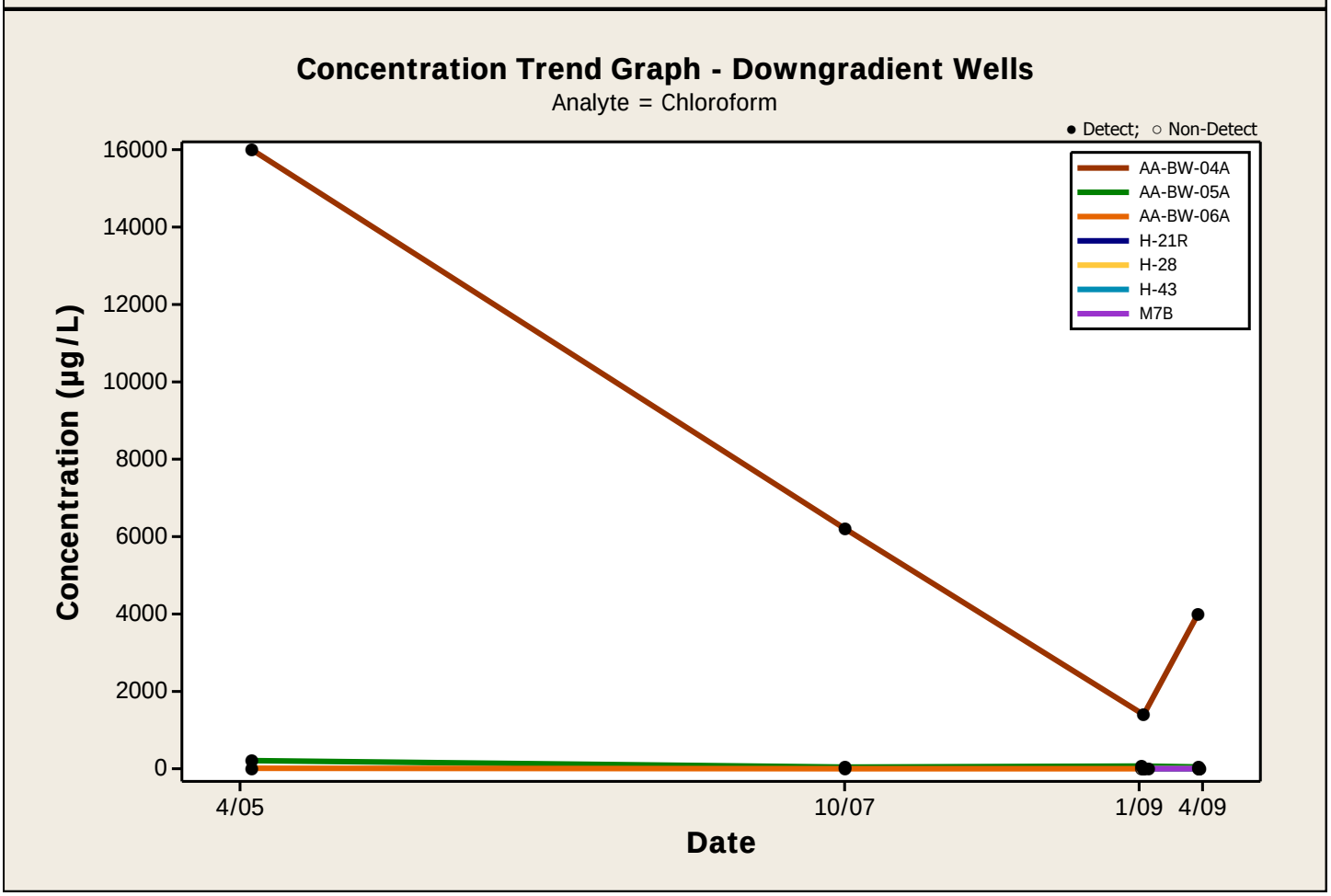


Concentration Trend Graph - Upgradient Wells

Analyte = Chloroform

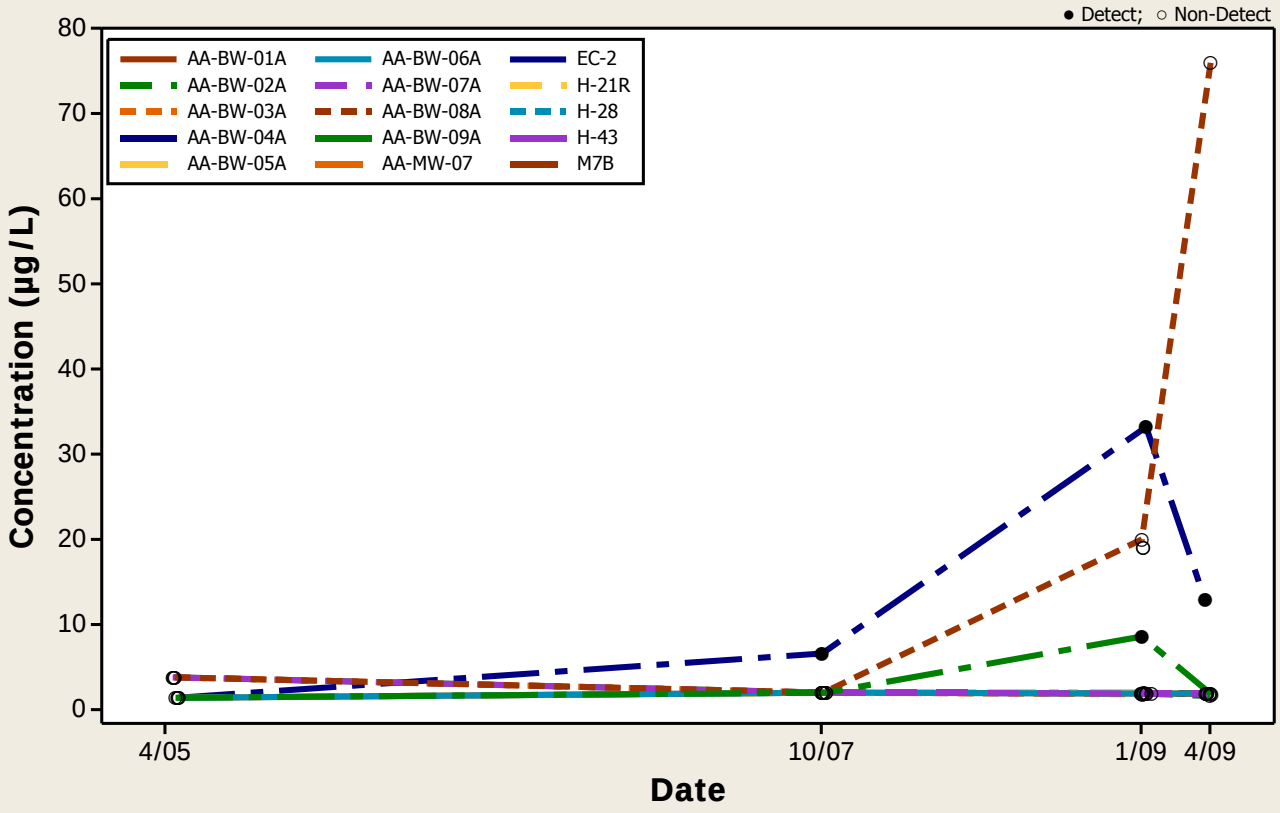



Concentration Trend Graph - Crossgradient Wells
Analyte = Chloroform
● Detect; ○ Non-Detect
AA-BW-01A
AA-BW-02A
AA-BW-03A
AA-BW-07A
Concentration (µg/L)
80
70
60
50
40
30
20
10
0
4/05
10/07
1/09
4/09
Date


Concentration Trend Graph - Downgradient Wells
Analyte = Chloroform
● Detect; ○ Non-Detect
AA-BW-04A
AA-BW-05A
AA-BW-06A
H-21R
H-28
H-43
M7B
Concentration (µg/L)
16000
14000
12000
10000
8000
6000
4000
2000
0
4/05
10/07
1/09
4/09
Date

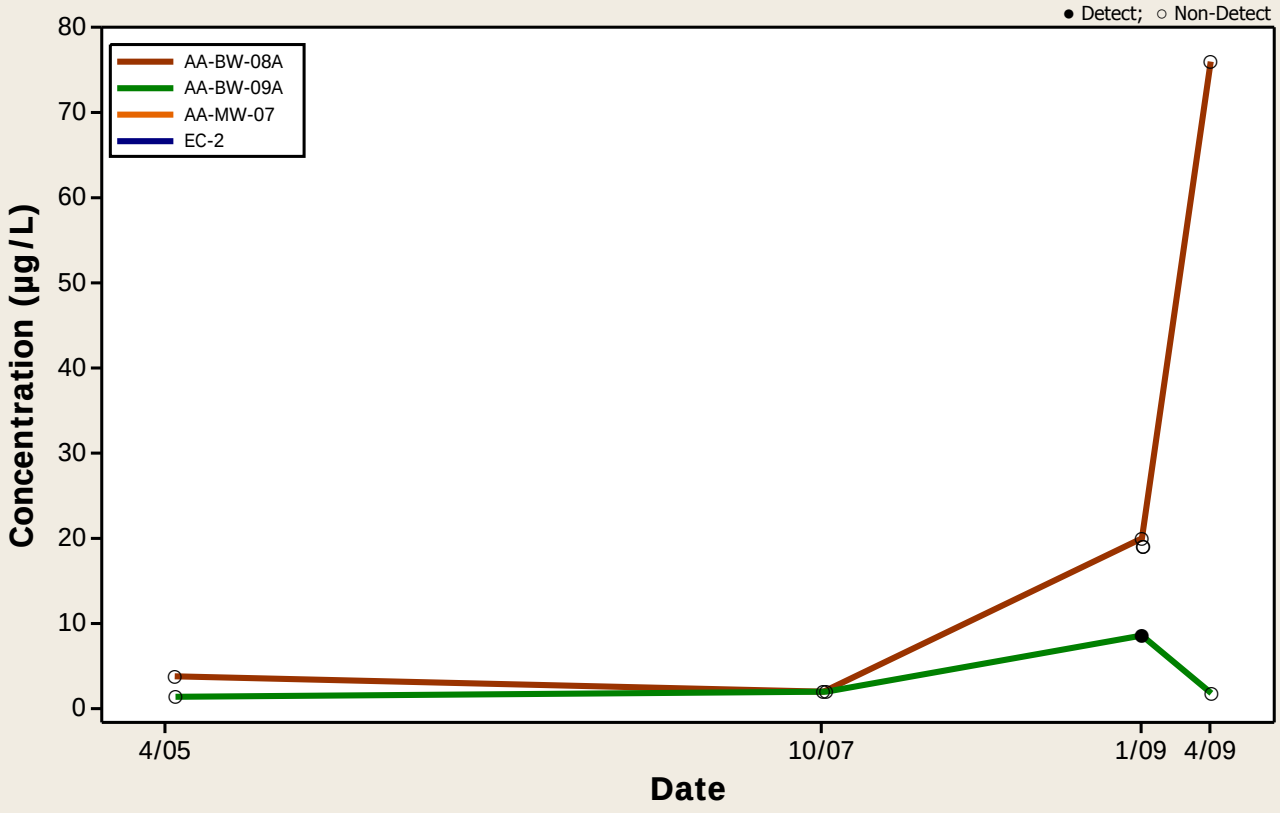
Concentration Trend Graph - All Wells

Analyte = Pentachlorophenol



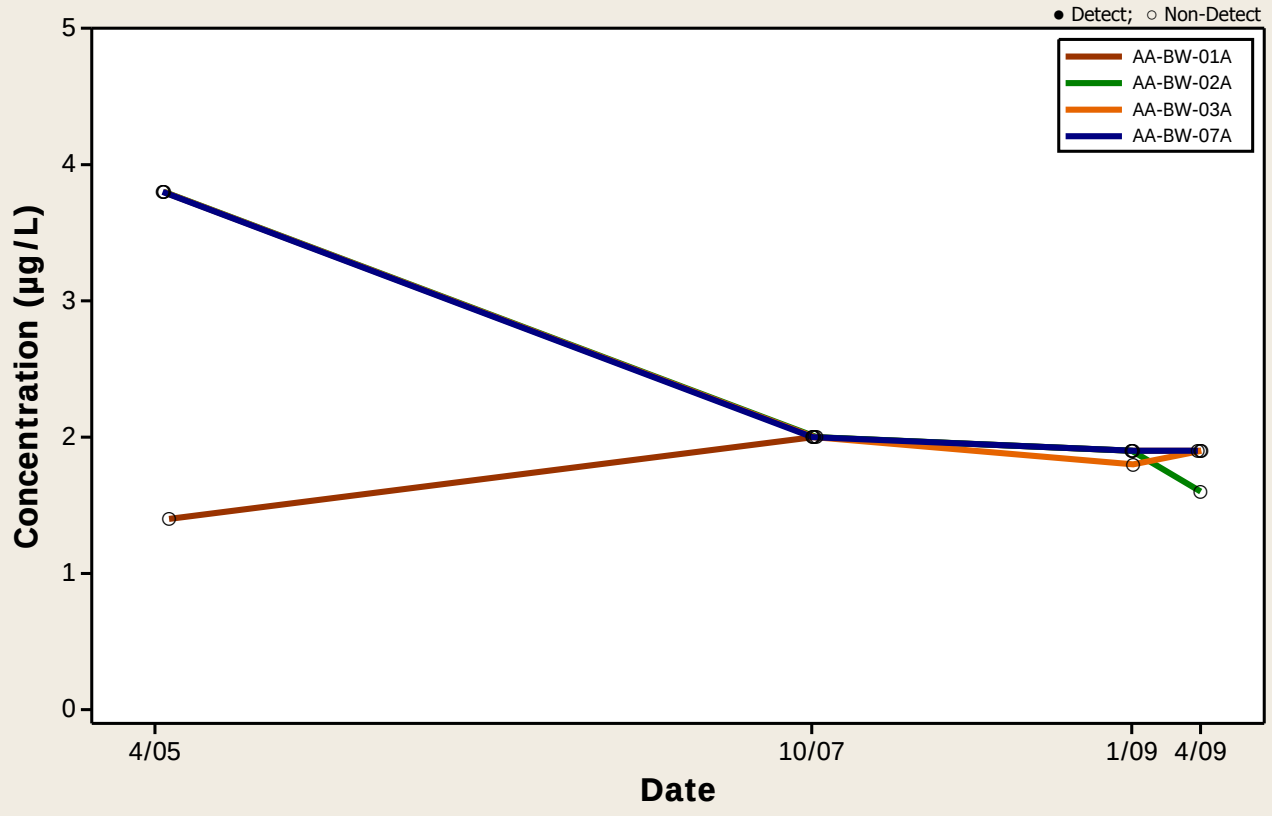
Concentration Trend Graph - Upgradient Wells

Analyte = Pentachlorophenol



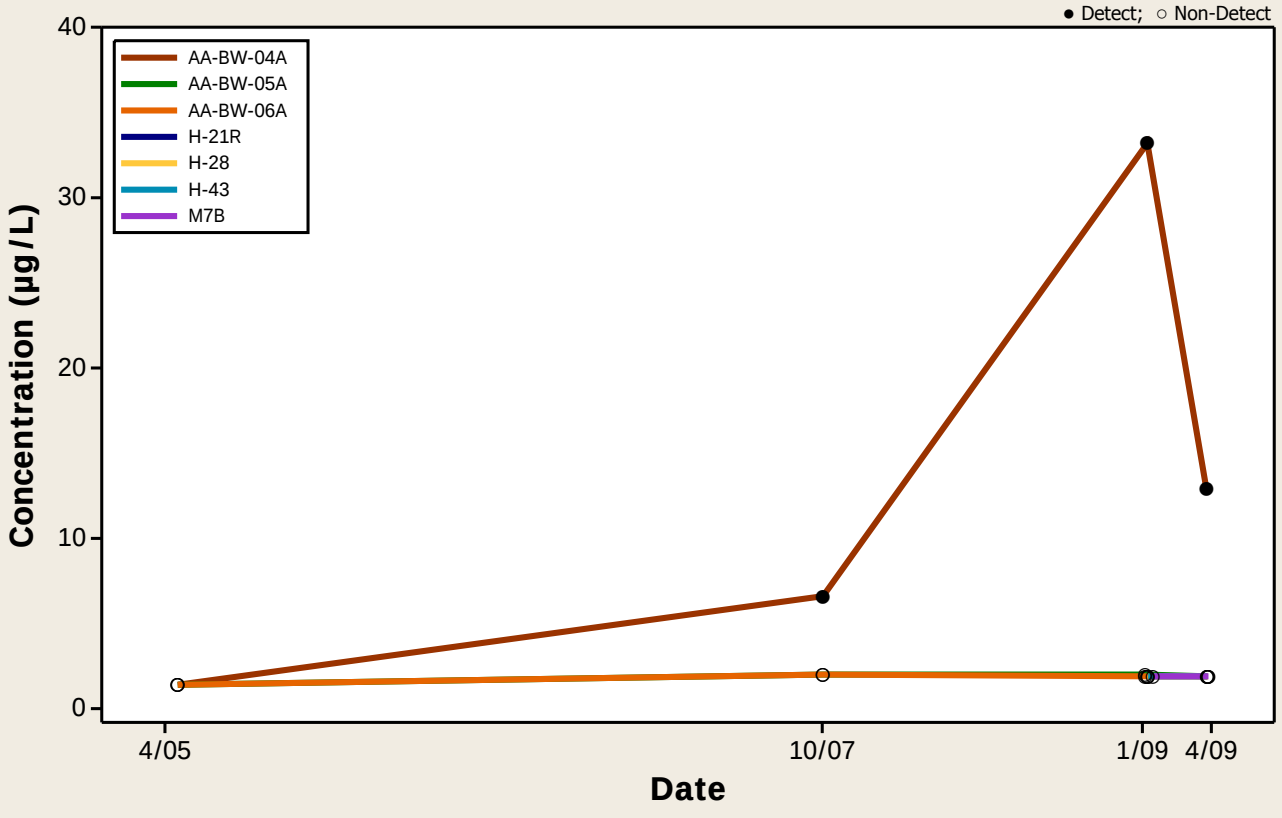
Concentration Trend Graph - Crossgradient Wells

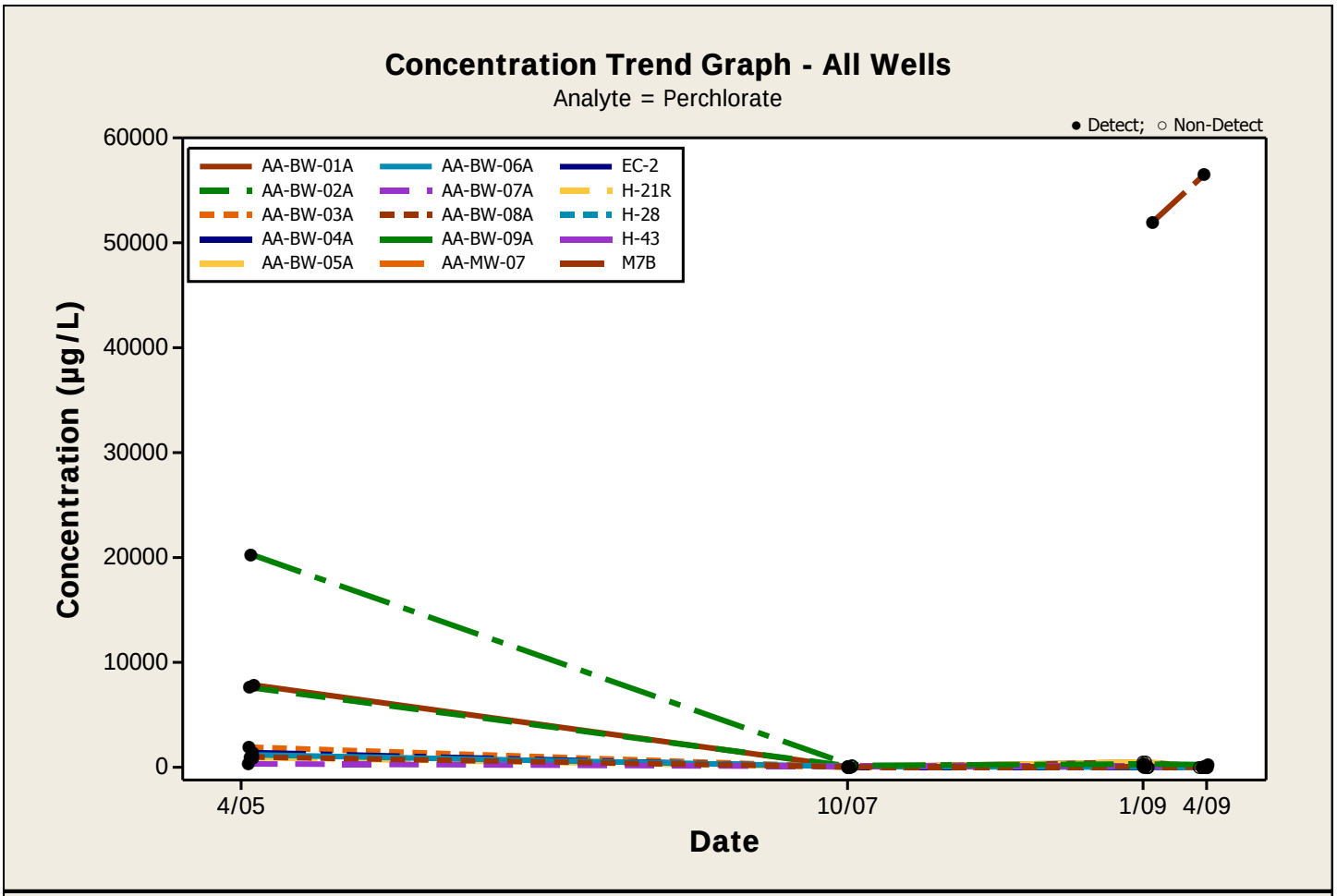
Analyte = Pentachlorophenol

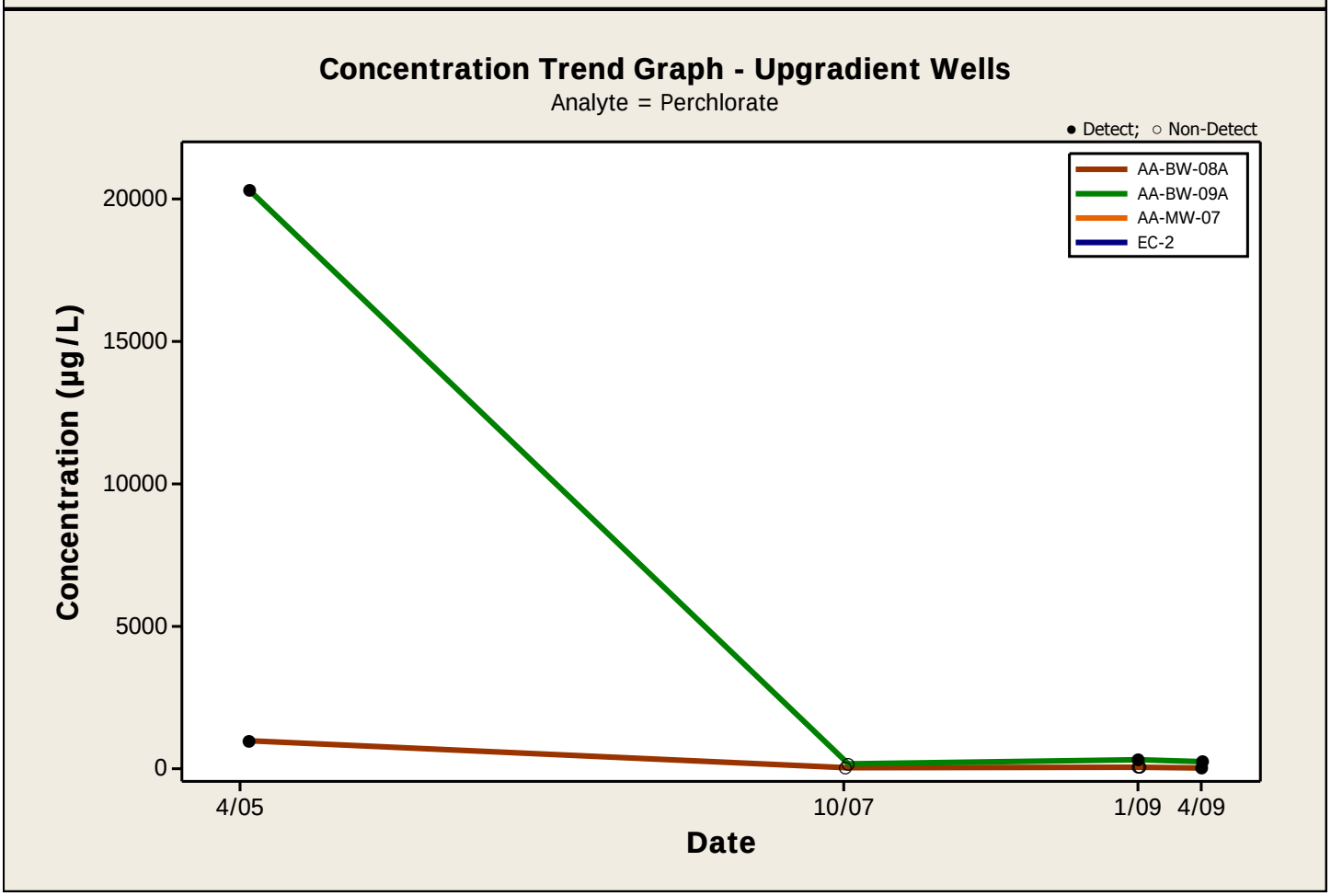


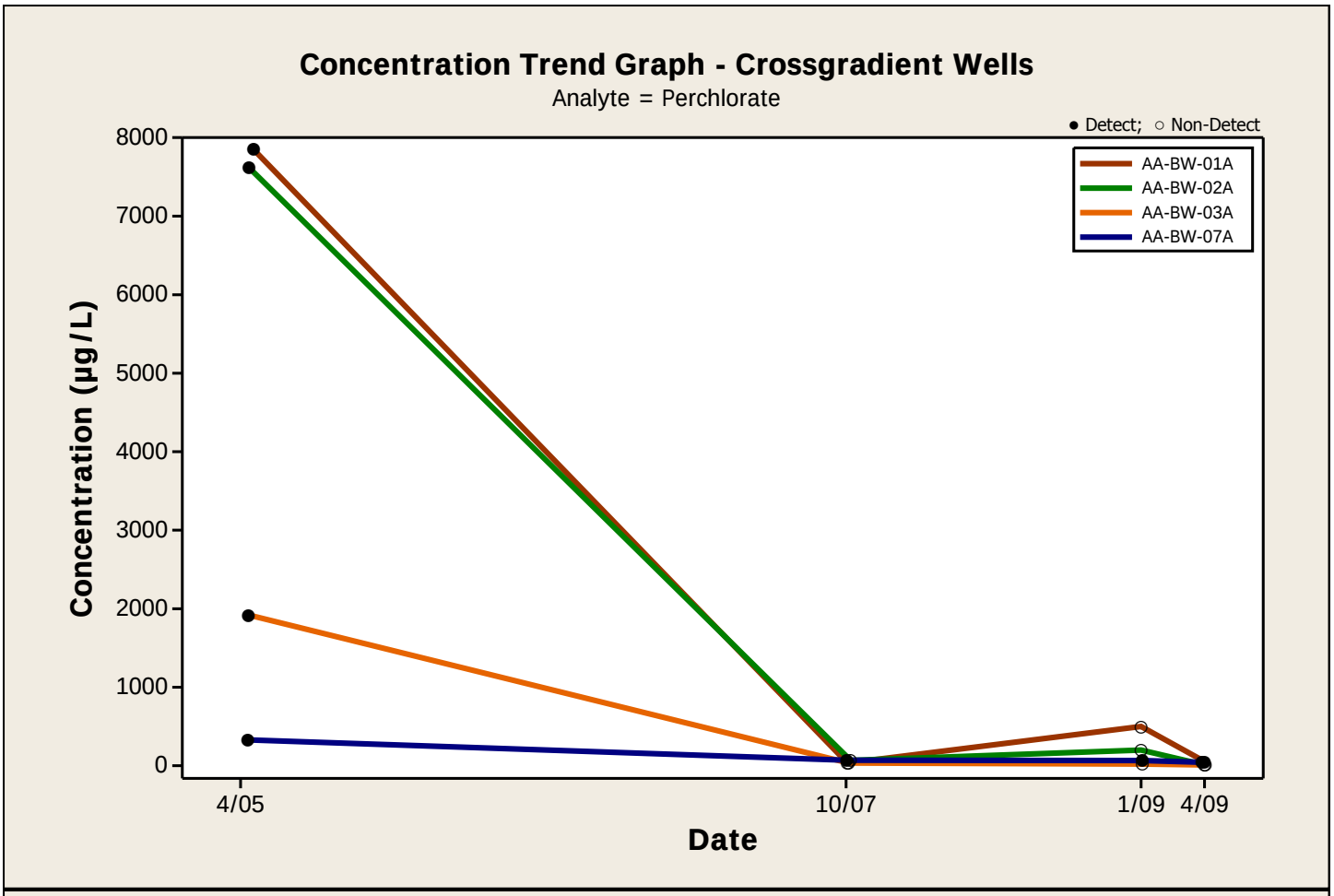
Concentration Trend Graph - Downgradient Wells

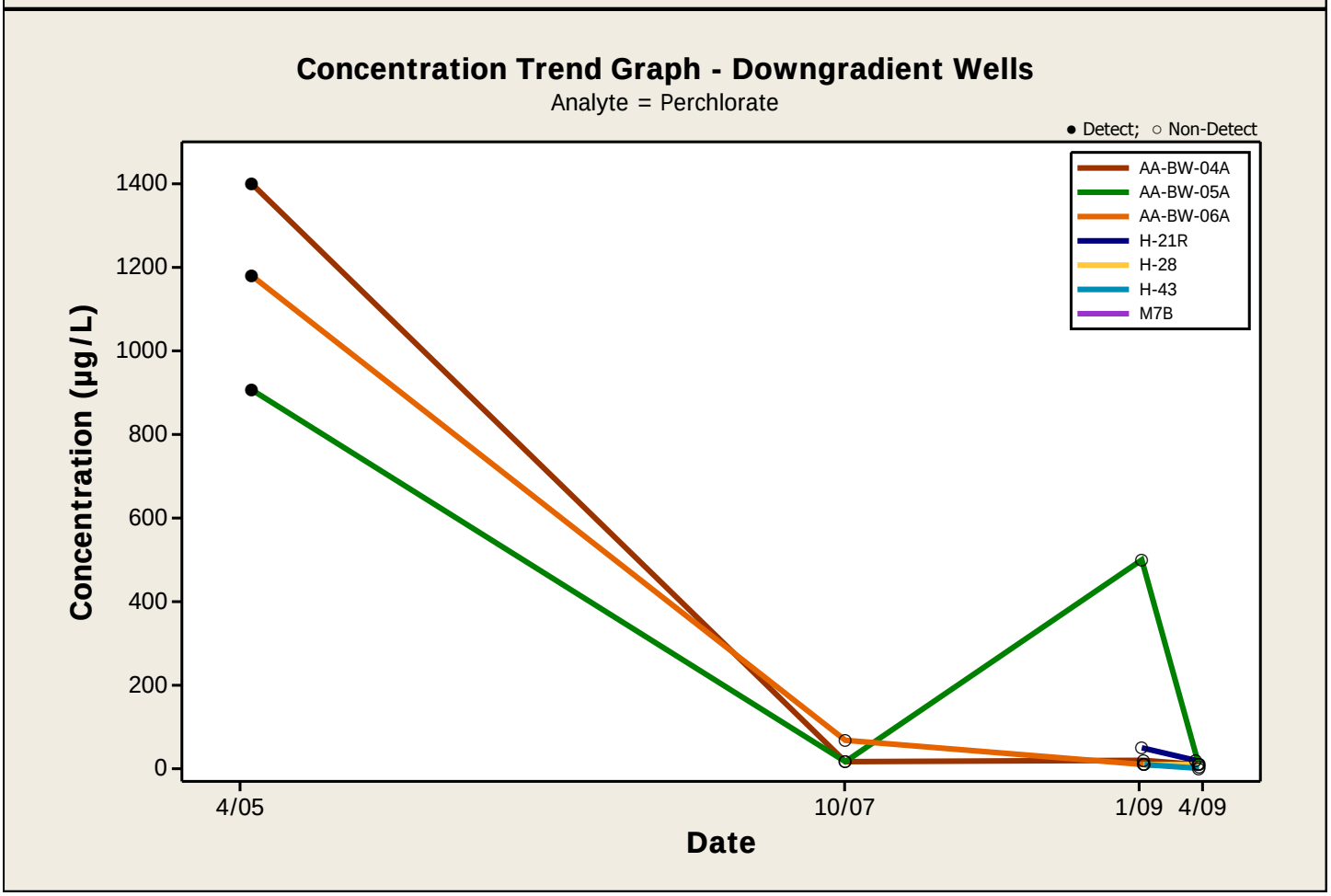
Analyte = Pentachlorophenol




Concentration Trend Graph - All Wells
Analyte = Perchlorate
● Detect; ○ Non-Detect
AA-BW-01A
AA-BW-02A
AA-BW-03A
AA-BW-04A
AA-BW-05A
AA-BW-06A
AA-BW-07A
AA-BW-08A
AA-BW-09A
AA-MW-07
EC-2
H-21R
H-28
H-43
M7B
Concentration (µg/L)
60000
50000
40000
30000
20000
10000
0
4/05
10/07
1/09
4/09
Date

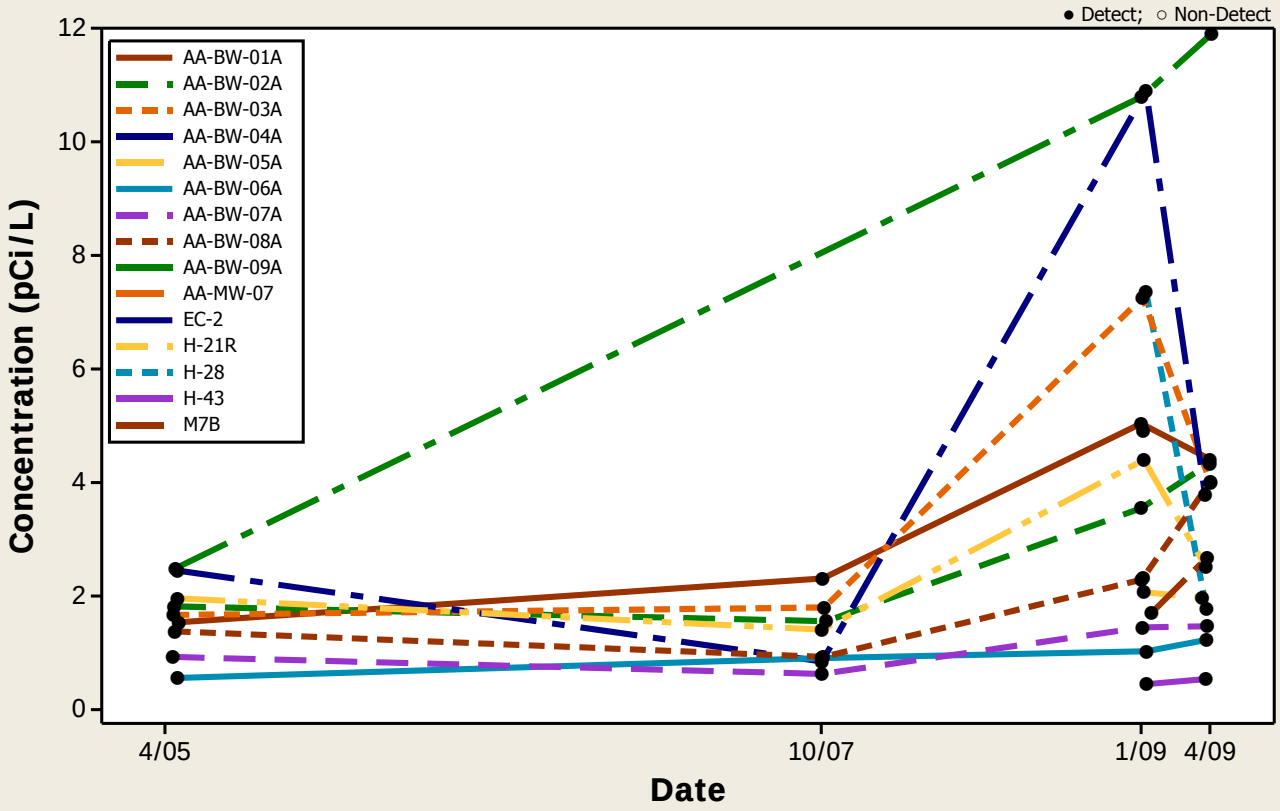

Concentration Trend Graph - Upgradient Wells
Analyte = Perchlorate
● Detect; ○ Non-Detect
AA-BW-08A
AA-BW-09A
AA-MW-07
EC-2
Concentration (µg/L)
20000
15000
10000
5000
0
4/05
10/07
1/09
4/09
Date


Concentration Trend Graph - Crossgradient Wells
Analyte = Perchlorate
● Detect; ○ Non-Detect
AA-BW-01A
AA-BW-02A
AA-BW-03A
AA-BW-07A
Concentration (µg/L)
8000
7000
6000
5000
4000
3000
2000
1000
0
4/05
10/07
1/09
4/09
Date


Concentration Trend Graph - Downgradient Wells
Analyte = Perchlorate
● Detect; ○ Non-Detect
AA-BW-04A
AA-BW-05A
AA-BW-06A
H-21R
H-28
H-43
M7B
Concentration (µg/L)
1400
1200
1000
800
600
400
200
0
4/05
10/07
1/09
4/09
Date

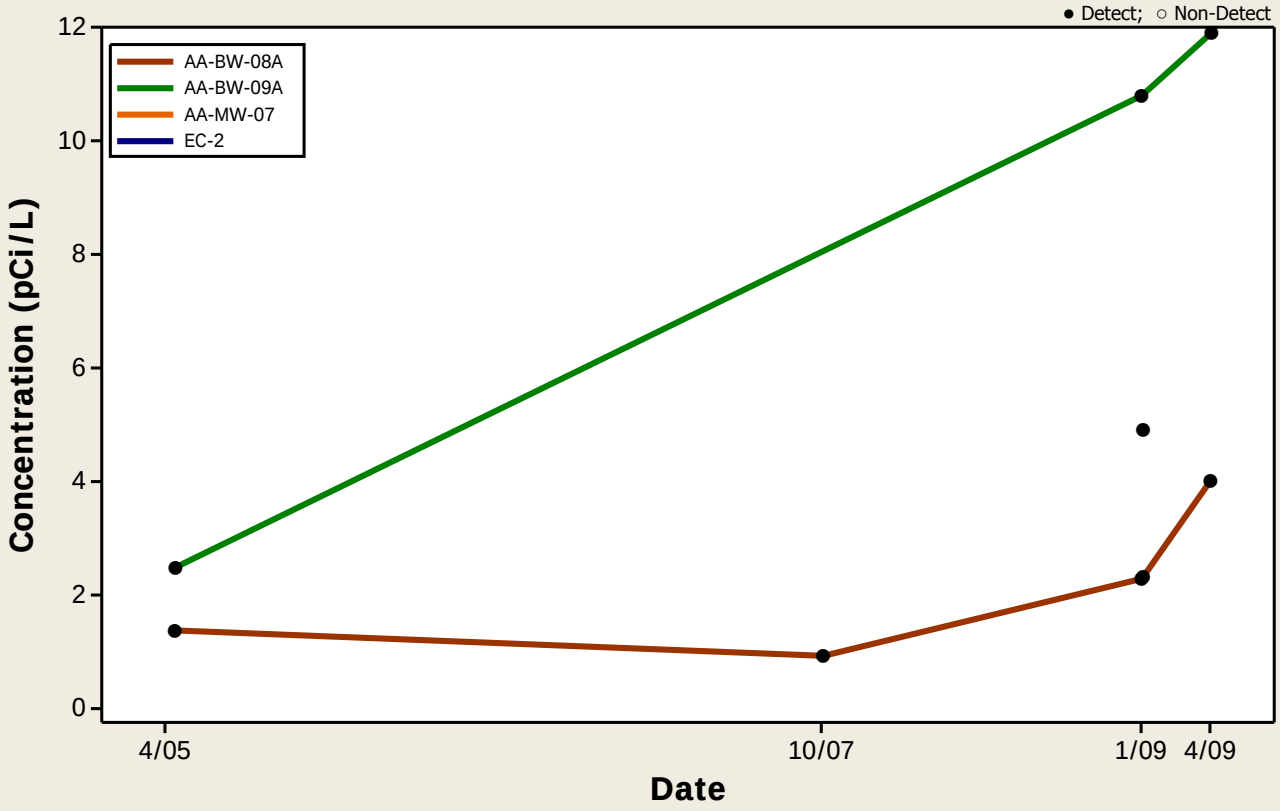
Concentration Trend Graph - All Wells

Analyte = Radium-226/228



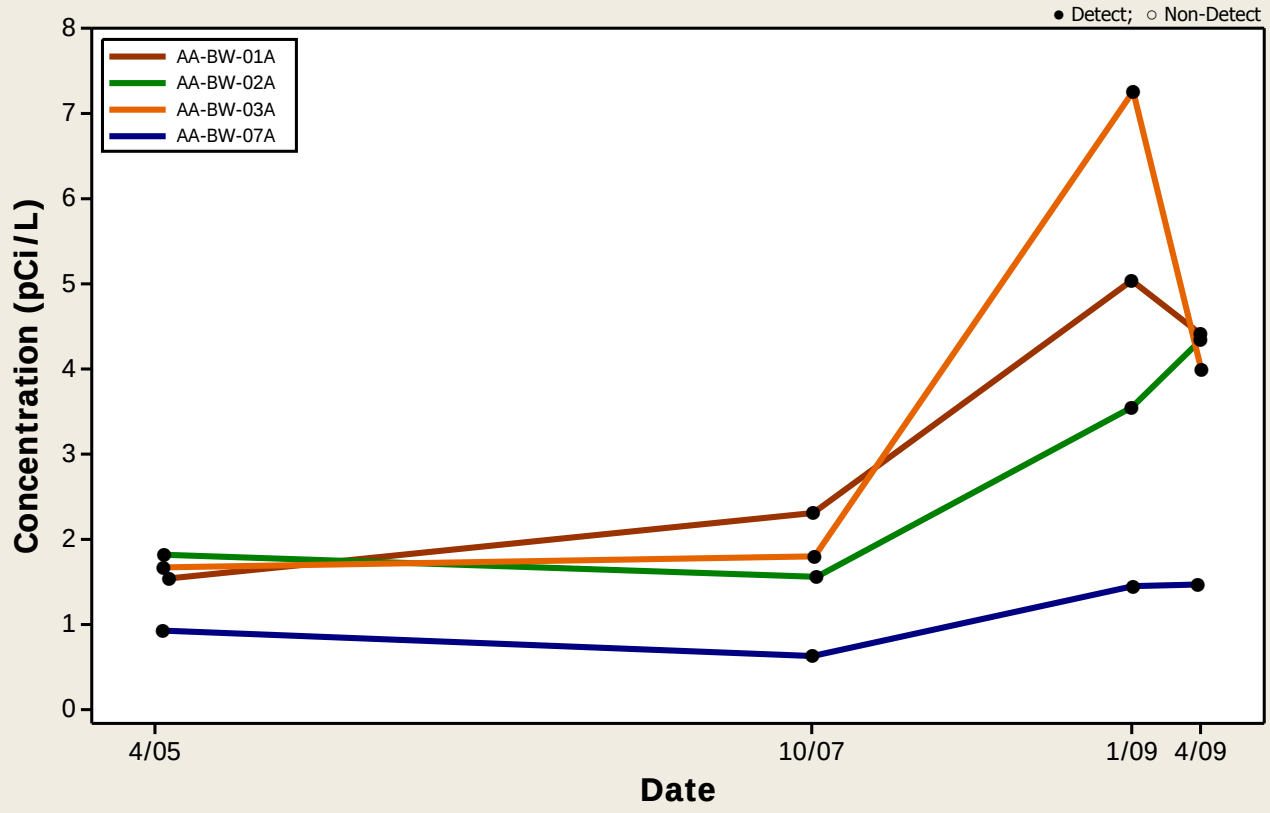
Concentration Trend Graph - Upgradient Wells

Analyte = Radium-226/228



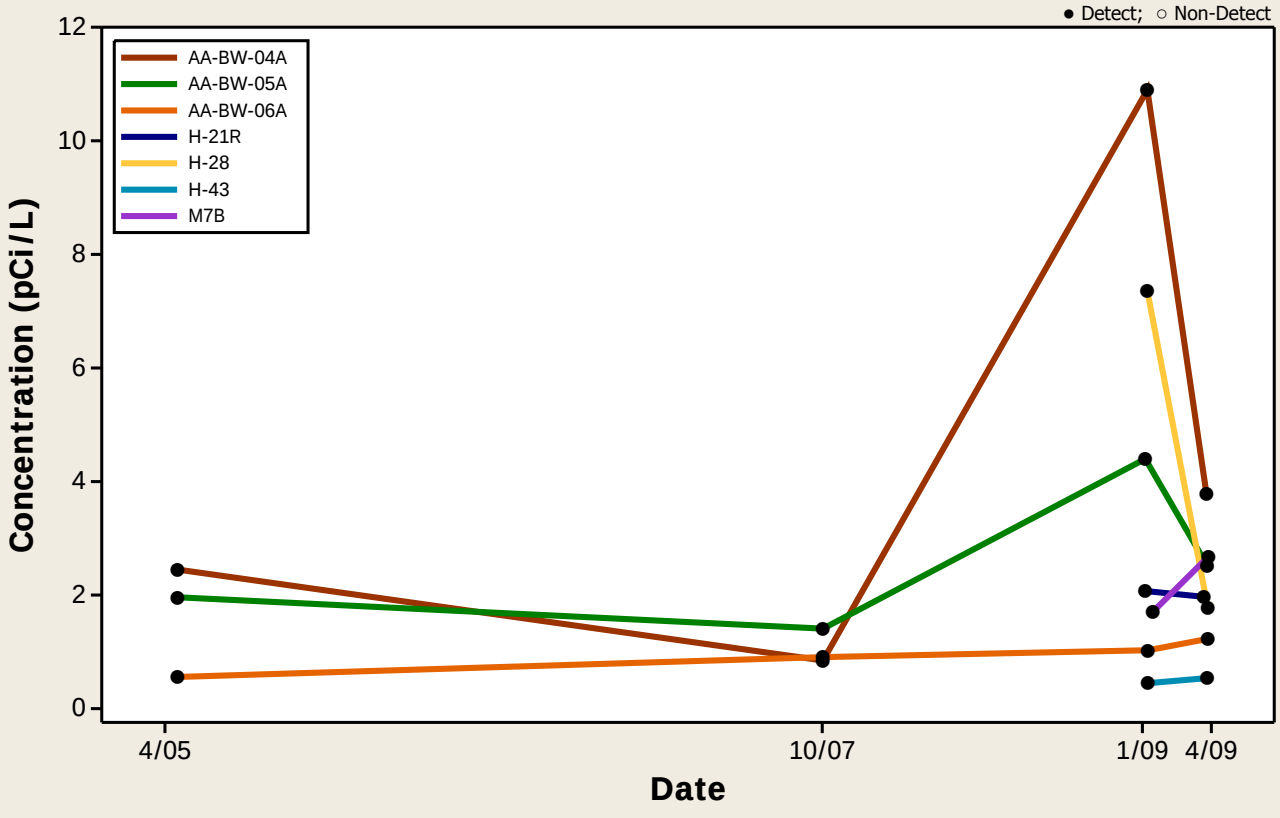
Concentration Trend Graph - Crossgradient Wells

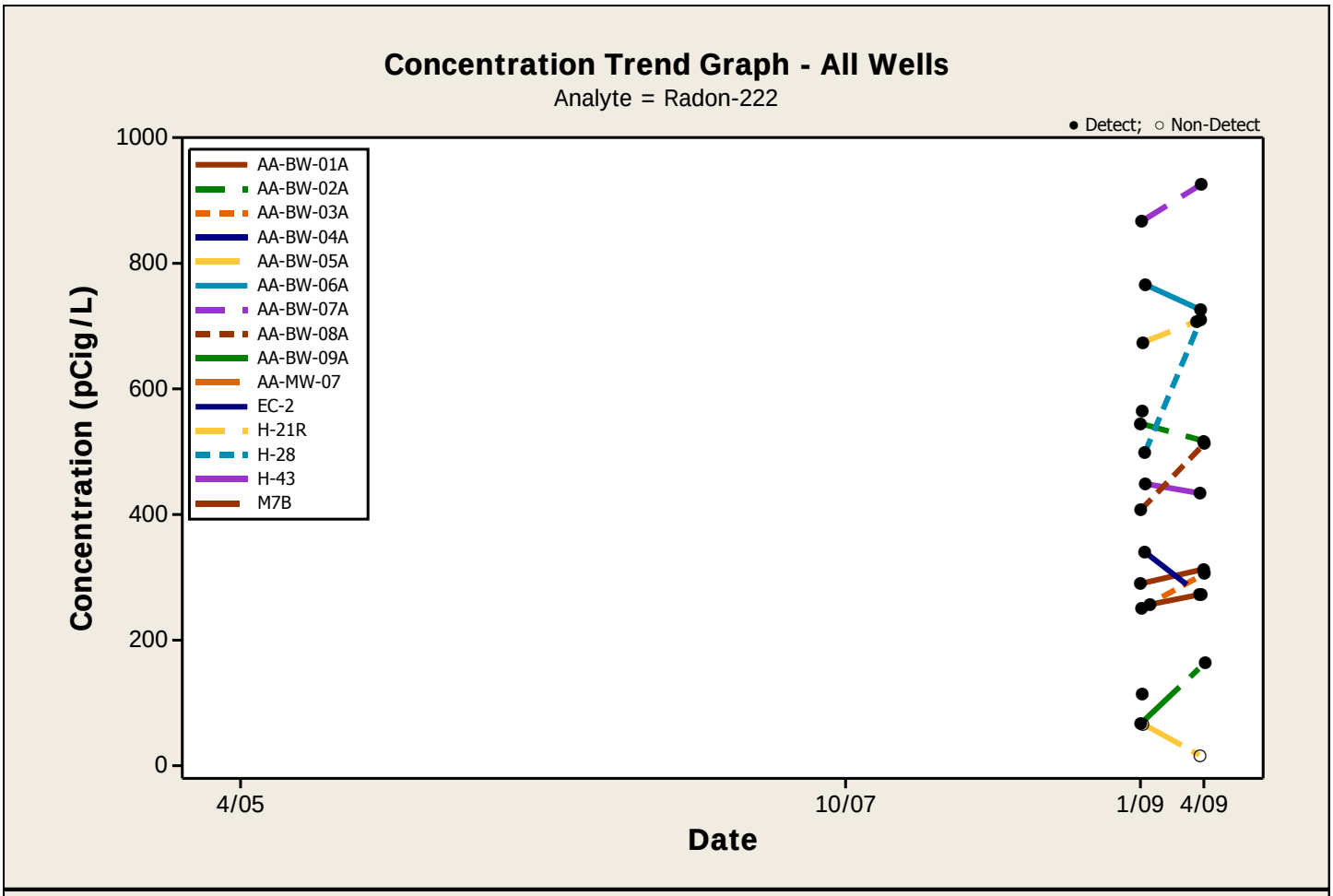
Analyte = Radium-226/228

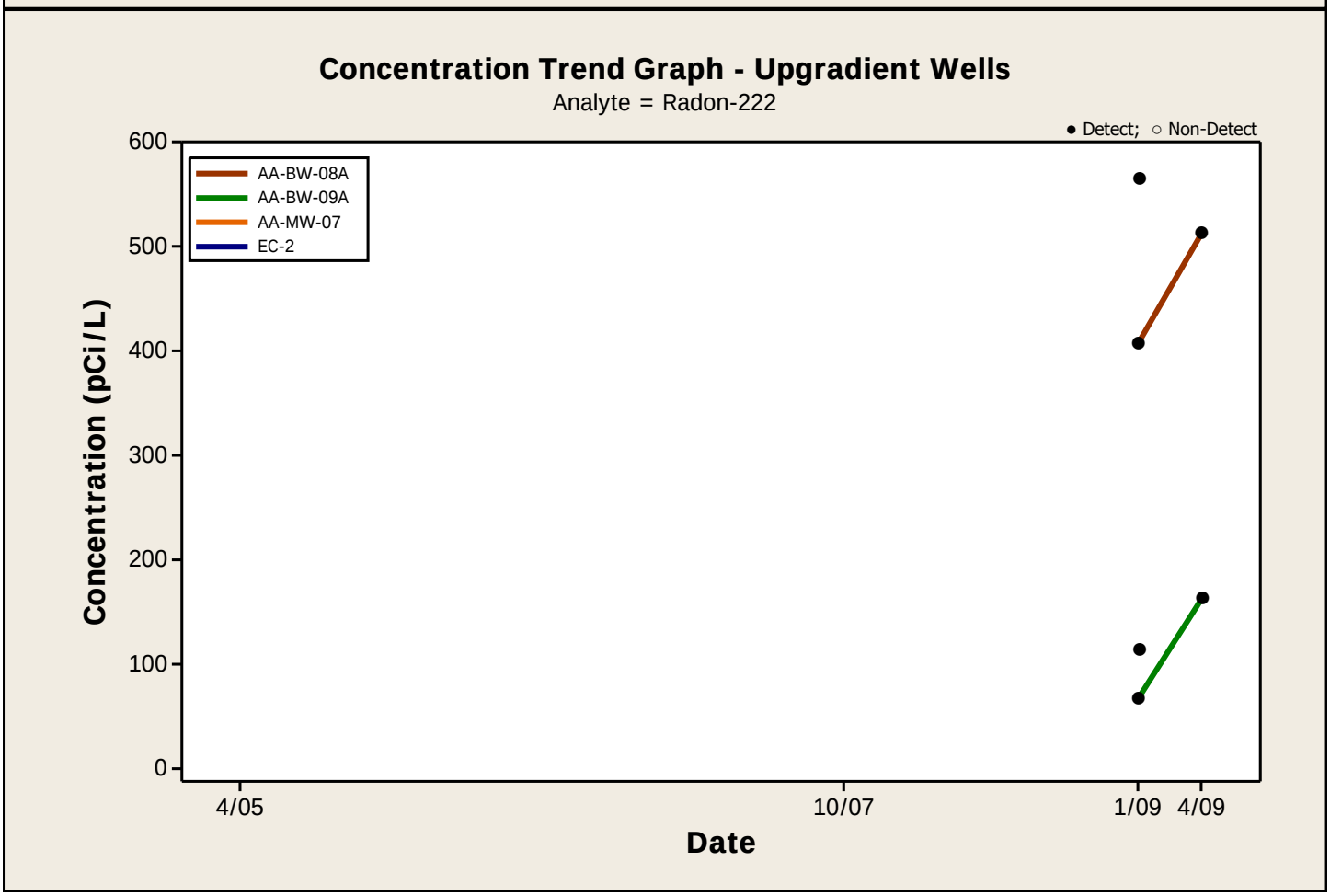


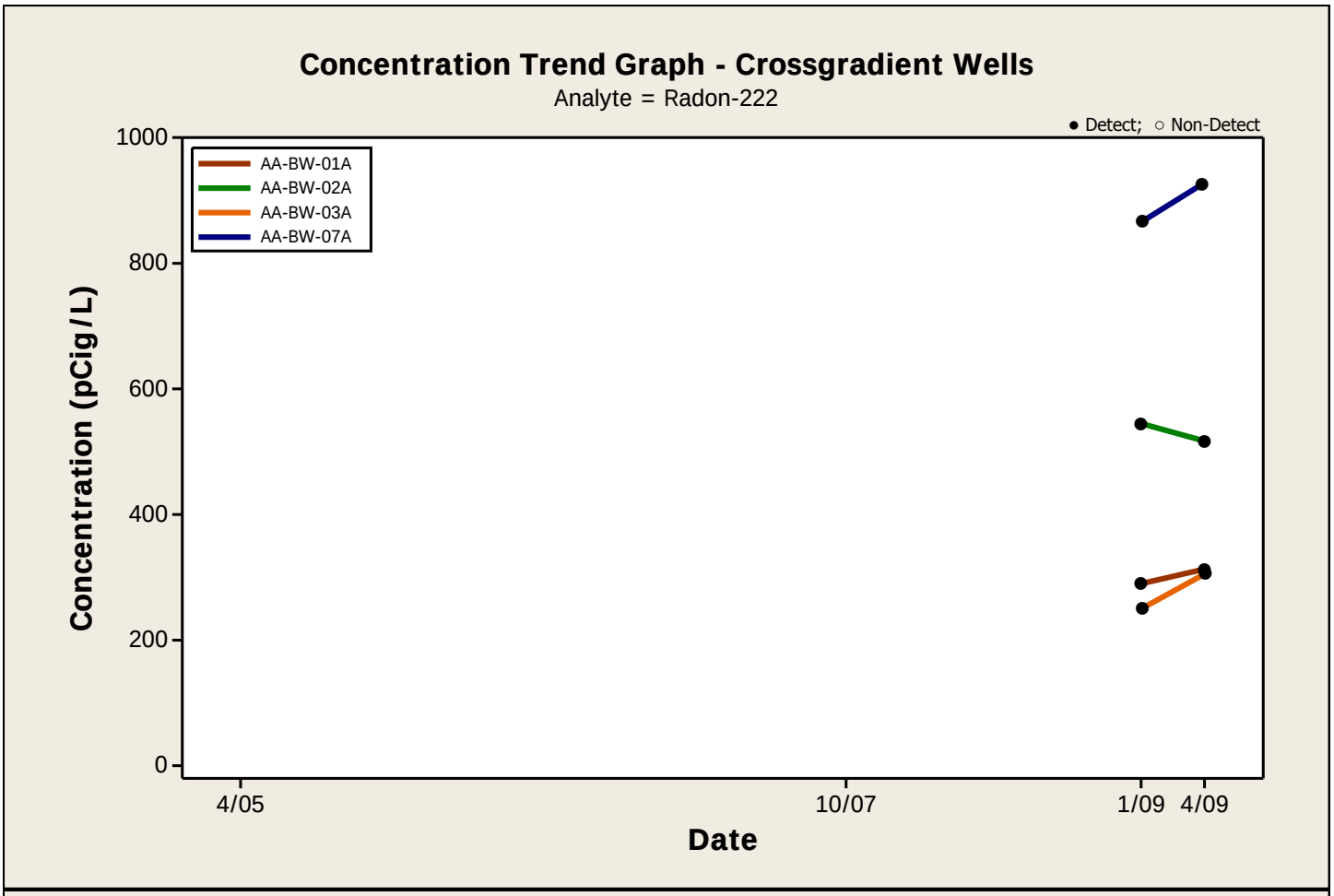
Concentration Trend Graph - Downgradient Wells

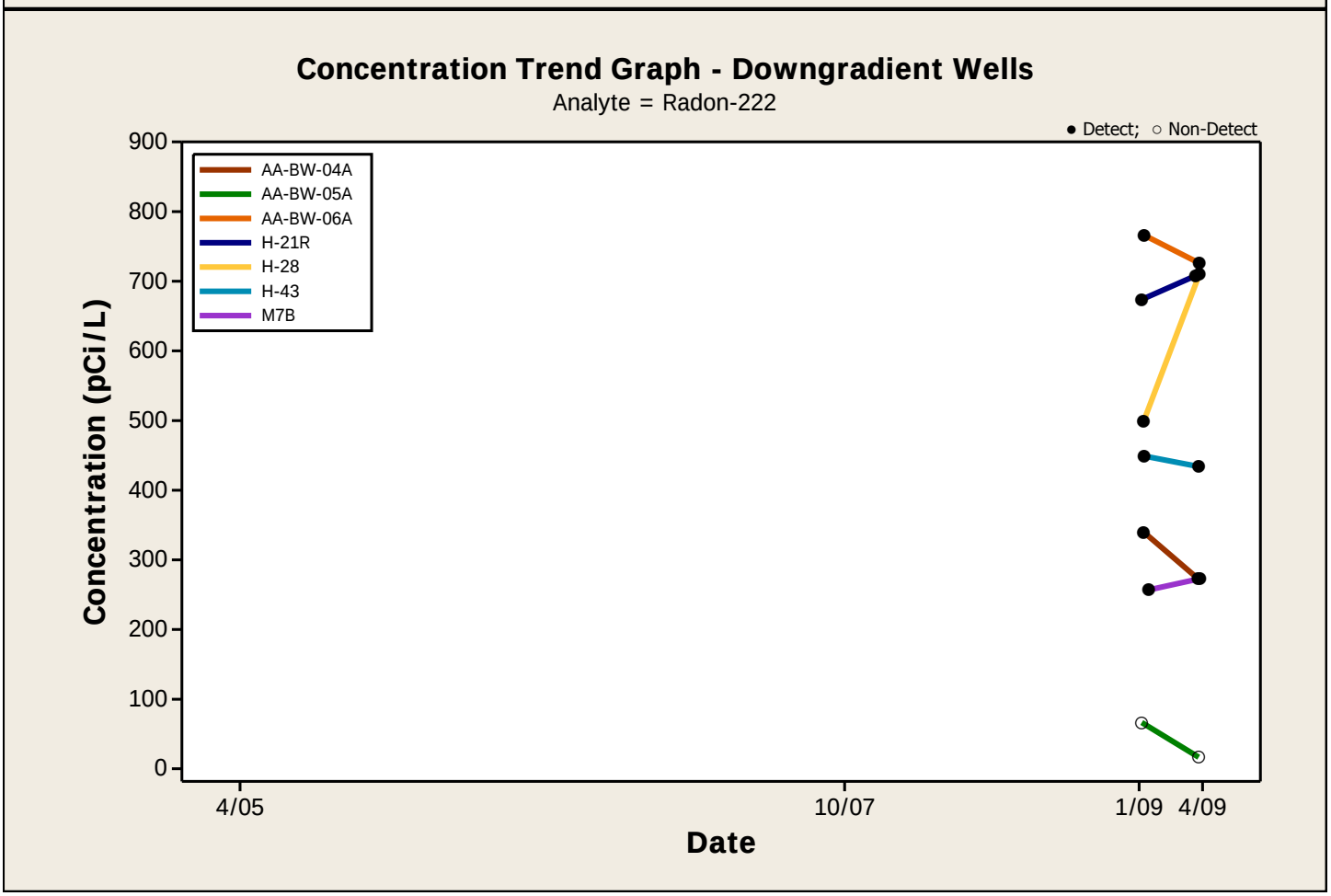
Analyte = Radium-226/228

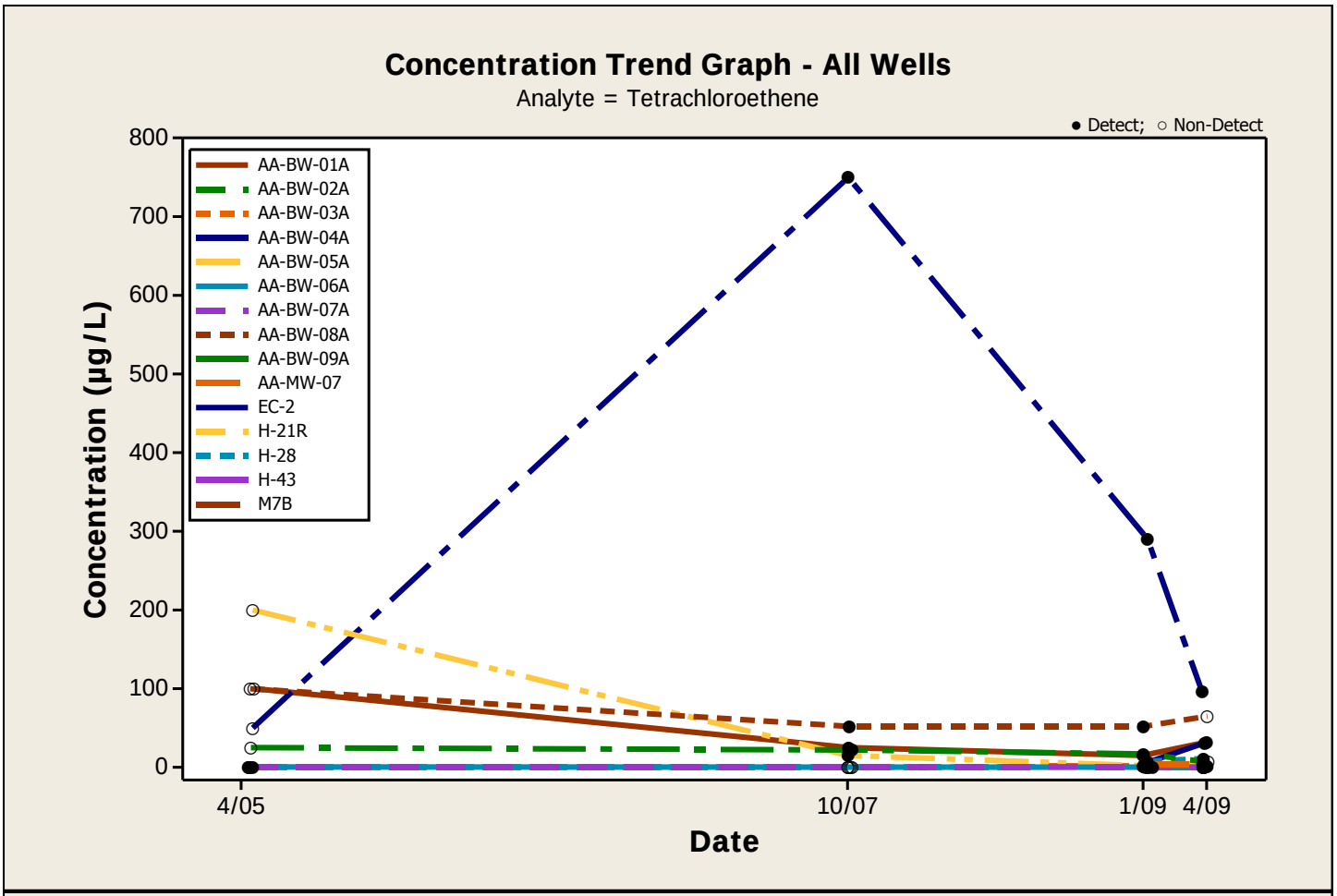


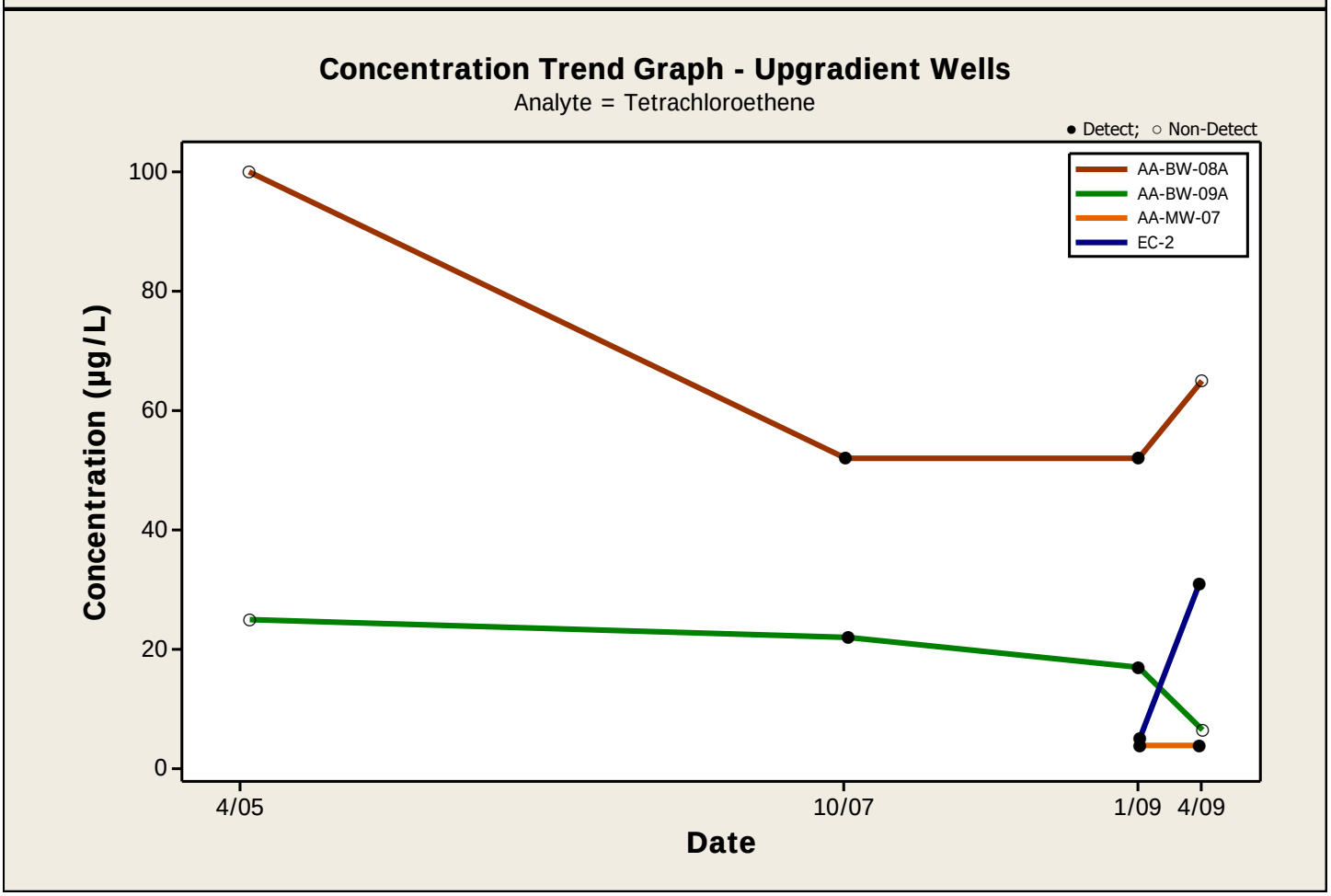

Concentration Trend Graph - All Wells
Analyte = Radon-222
● Detect; ○ Non-Detect
AA-BW-01A
AA-BW-02A
AA-BW-03A
AA-BW-04A
AA-BW-05A
AA-BW-06A
AA-BW-07A
AA-BW-08A
AA-BW-09A
AA-MW-07
EC-2
H-21R
H-28
H-43
M7B
Concentration (pCig/L)
1000
800
600
400
200
0
4/05
10/07
1/09
4/09
Date

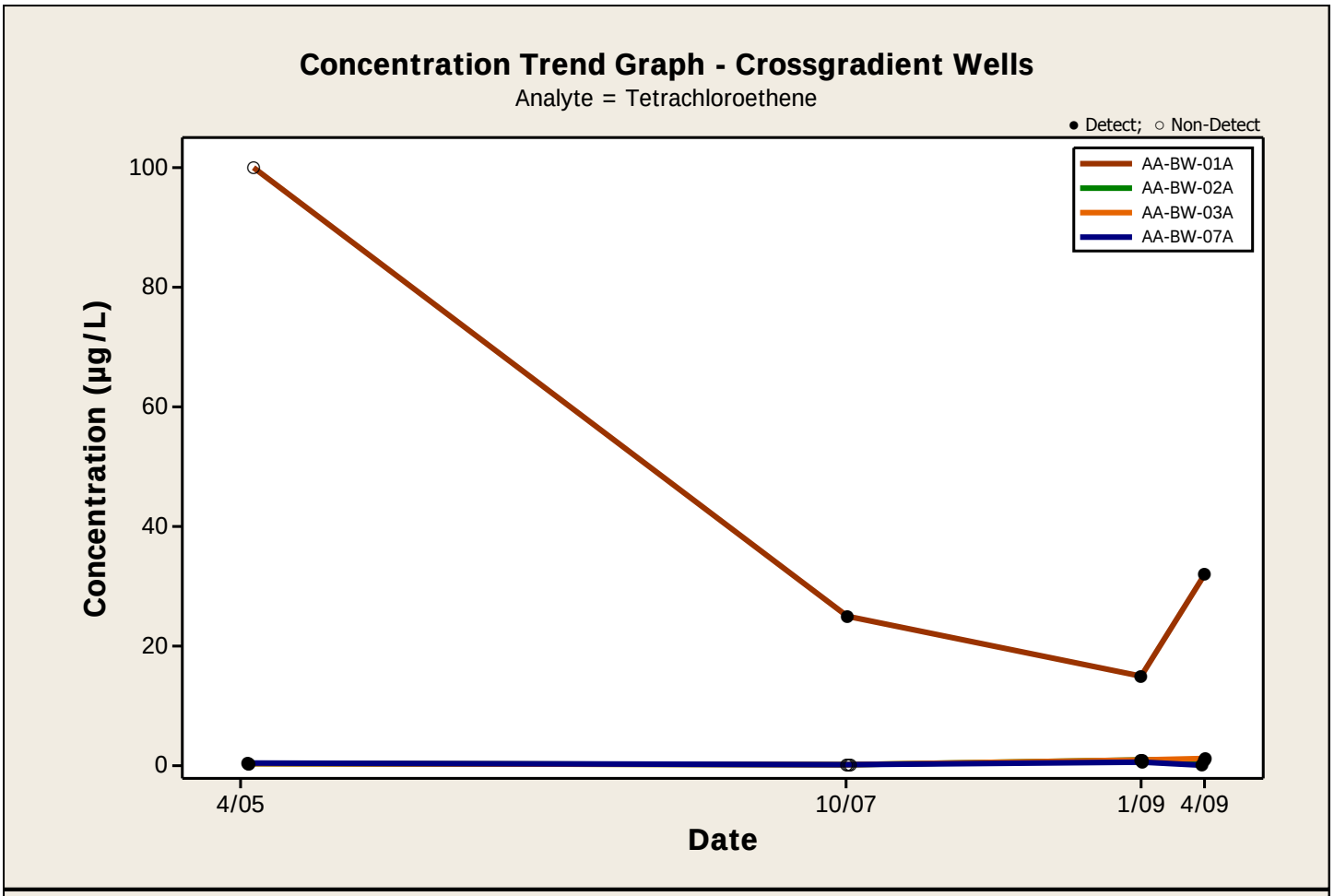

Concentration Trend Graph - Upgradient Wells
Analyte = Radon-222
● Detect; ○ Non-Detect
AA-BW-08A
AA-BW-09A
AA-MW-07
EC-2
Concentration (pCi/L)
600
500
400
300
200
100
0
4/05
10/07
1/09
4/09
Date

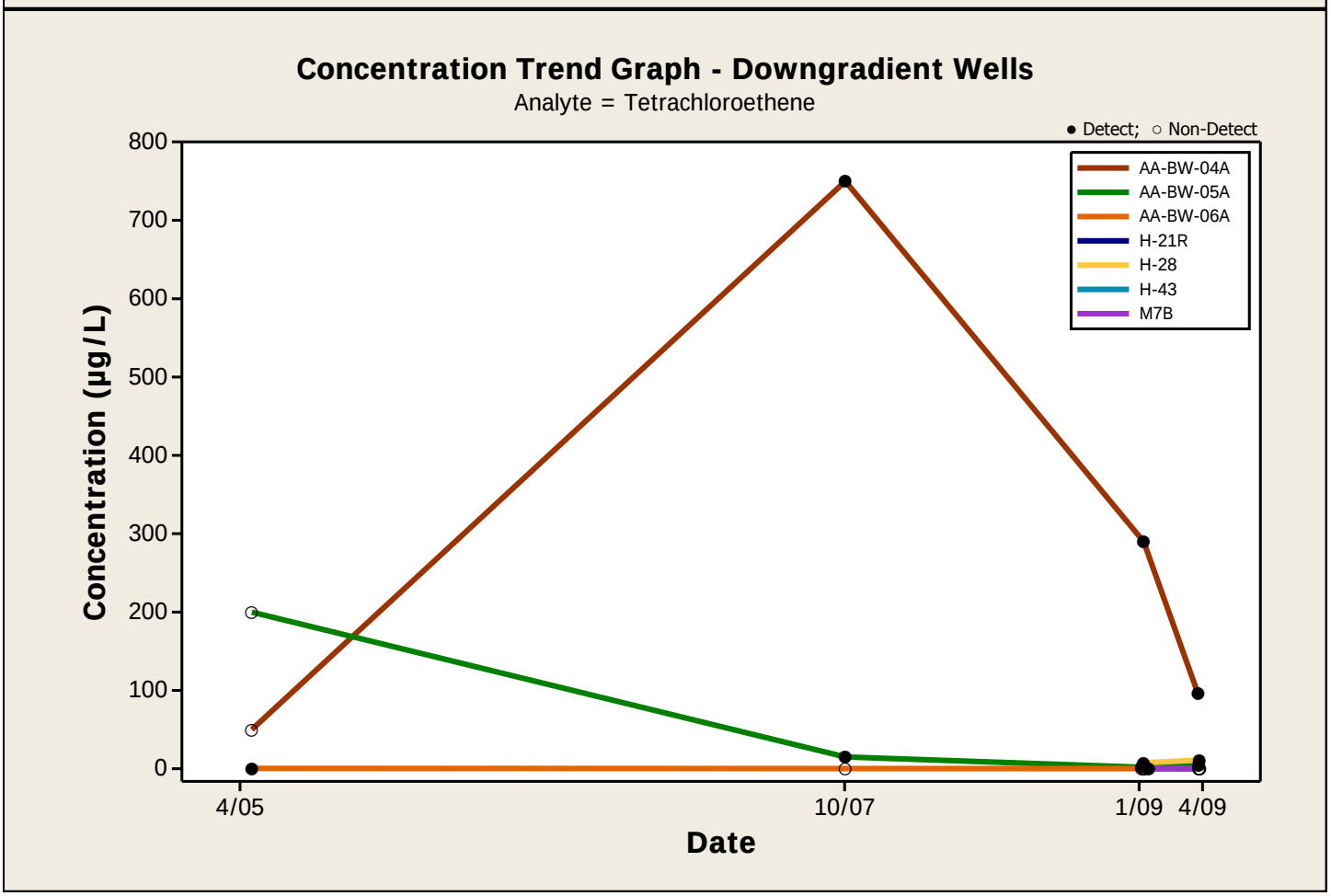

Concentration Trend Graph - Crossgradient Wells
Analyte = Radon-222
● Detect; ○ Non-Detect
AA-BW-01A
AA-BW-02A
AA-BW-03A
AA-BW-07A
Concentration (pCig/L)
1000
800
600
400
200
0
4/05
10/07
1/09
4/09
Date


Concentration Trend Graph - Downgradient Wells
Analyte = Radon-222
● Detect; ○ Non-Detect
AA-BW-04A
AA-BW-05A
AA-BW-06A
H-21R
H-28
H-43
M7B
Concentration (pCi/L)
900
800
700
600
500
400
300
200
100
0
4/05
10/07
1/09
4/09
Date


Concentration Trend Graph - All Wells
Analyte = Tetrachloroethene
● Detect; ○ Non-Detect
AA-BW-01A
AA-BW-02A
AA-BW-03A
AA-BW-04A
AA-BW-05A
AA-BW-06A
AA-BW-07A
AA-BW-08A
AA-BW-09A
AA-MW-07
EC-2
H-21R
H-28
H-43
M7B
Concentration (µg/L)
800
700
600
500
400
300
200
100
0
4/05
10/07
1/09
4/09
Date

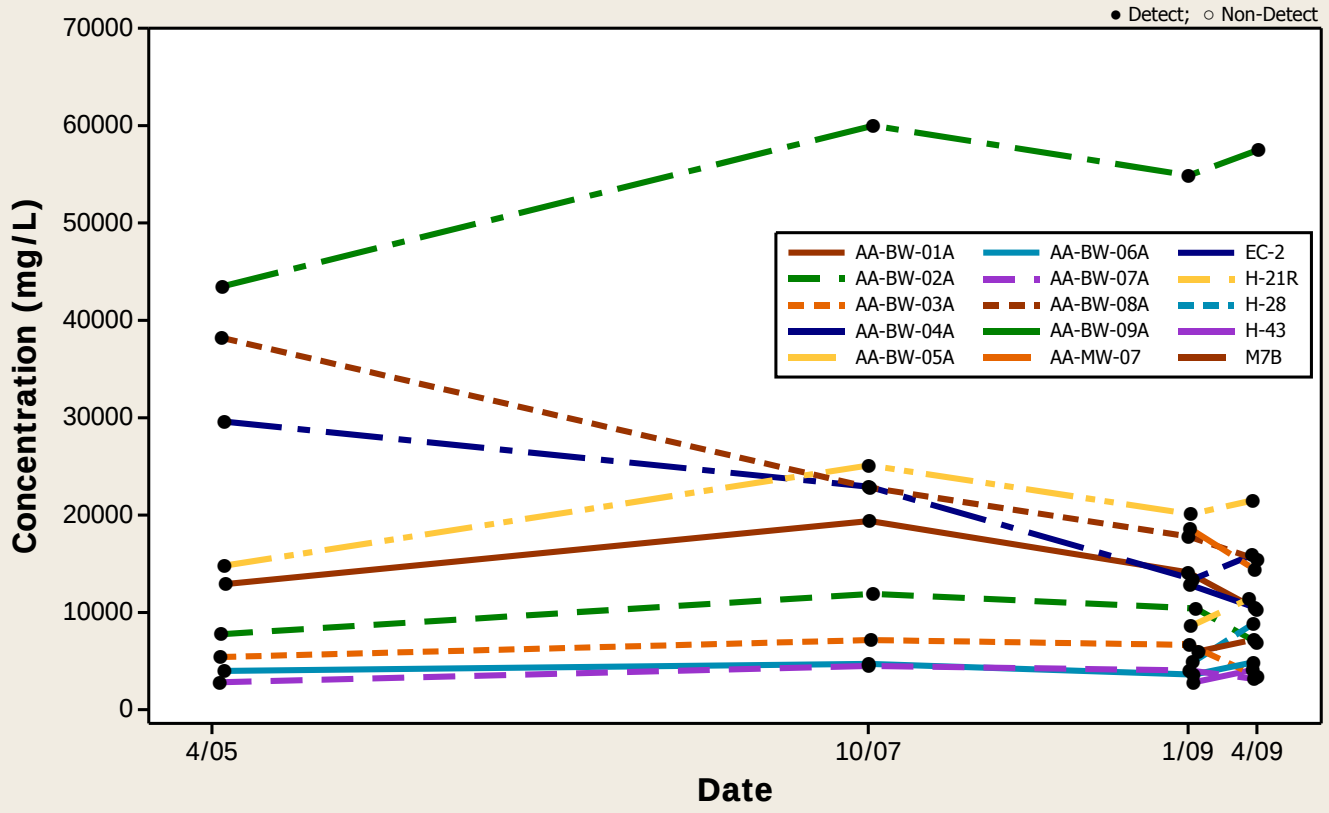

Concentration Trend Graph - Upgradient Wells
Analyte = Tetrachloroethene
● Detect; ○ Non-Detect
AA-BW-08A
AA-BW-09A
AA-MW-07
EC-2
Concentration (µg/L)
100
80
60
40
20
0
4/05
10/07
1/09
4/09
Date


Concentration Trend Graph - Crossgradient Wells
Analyte = Tetrachloroethene
● Detect; ○ Non-Detect
AA-BW-01A
AA-BW-02A
AA-BW-03A
AA-BW-07A
Concentration (µg/L)
100
80
60
40
20
0
4/05
10/07
1/09
4/09
Date


Concentration Trend Graph - Downgradient Wells
Analyte = Tetrachloroethene
● Detect; ○ Non-Detect
AA-BW-04A
AA-BW-05A
AA-BW-06A
H-21R
H-28
H-43
M7B
Concentration (µg/L)
800
700
600
500
400
300
200
100
0
4/05
10/07
1/09
4/09
Date

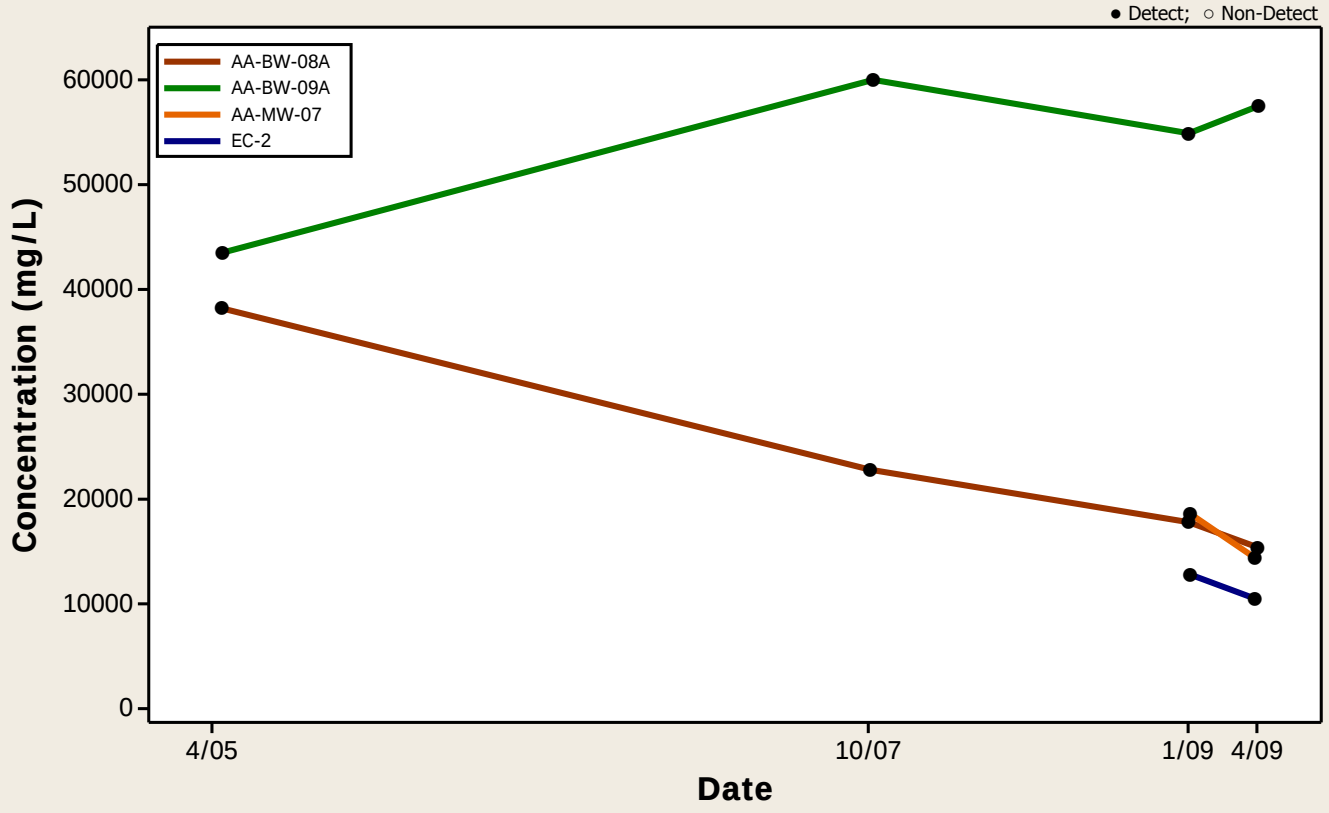
Concentration Trend Graph - All Wells

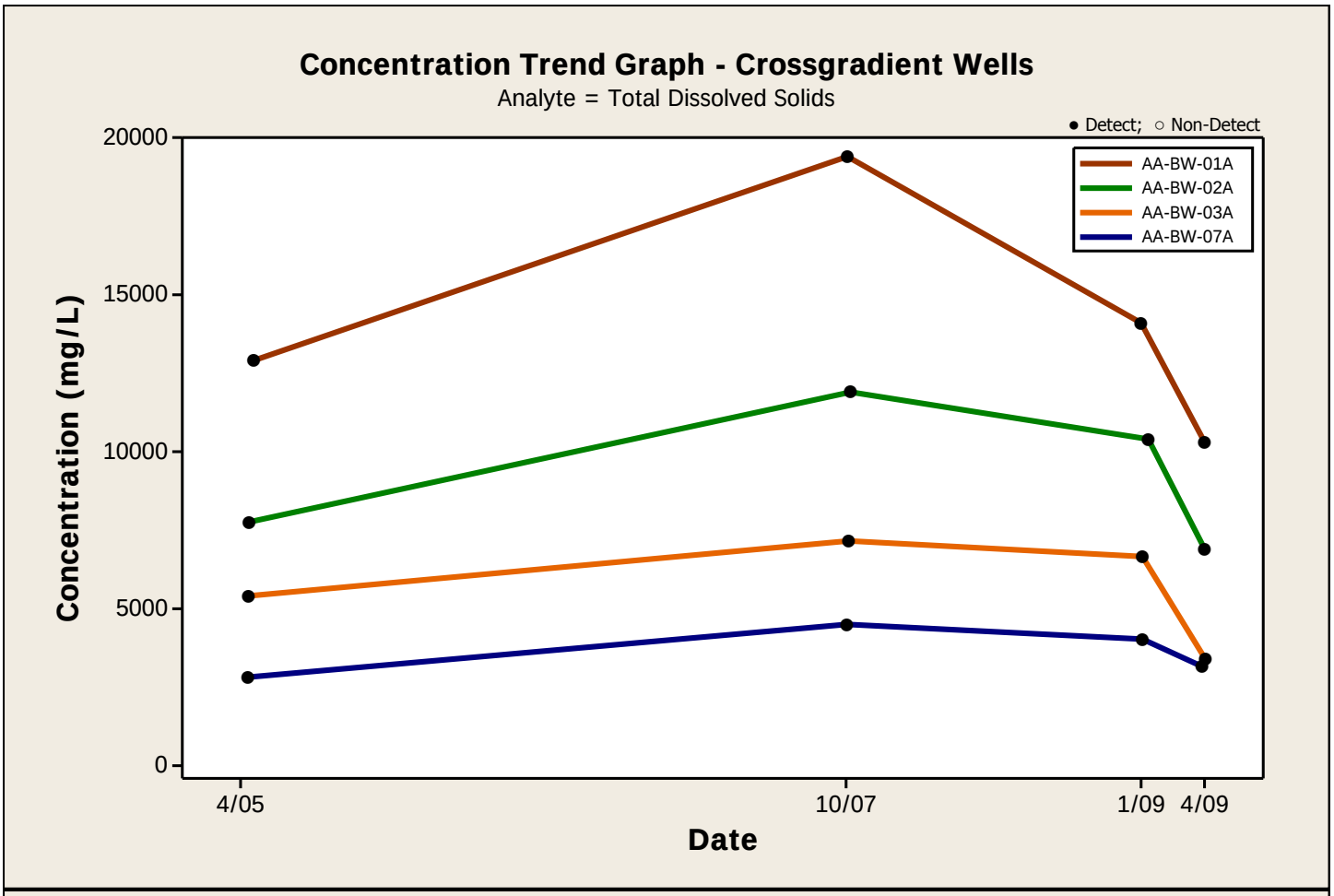
Analyte = Total Dissolved Solids

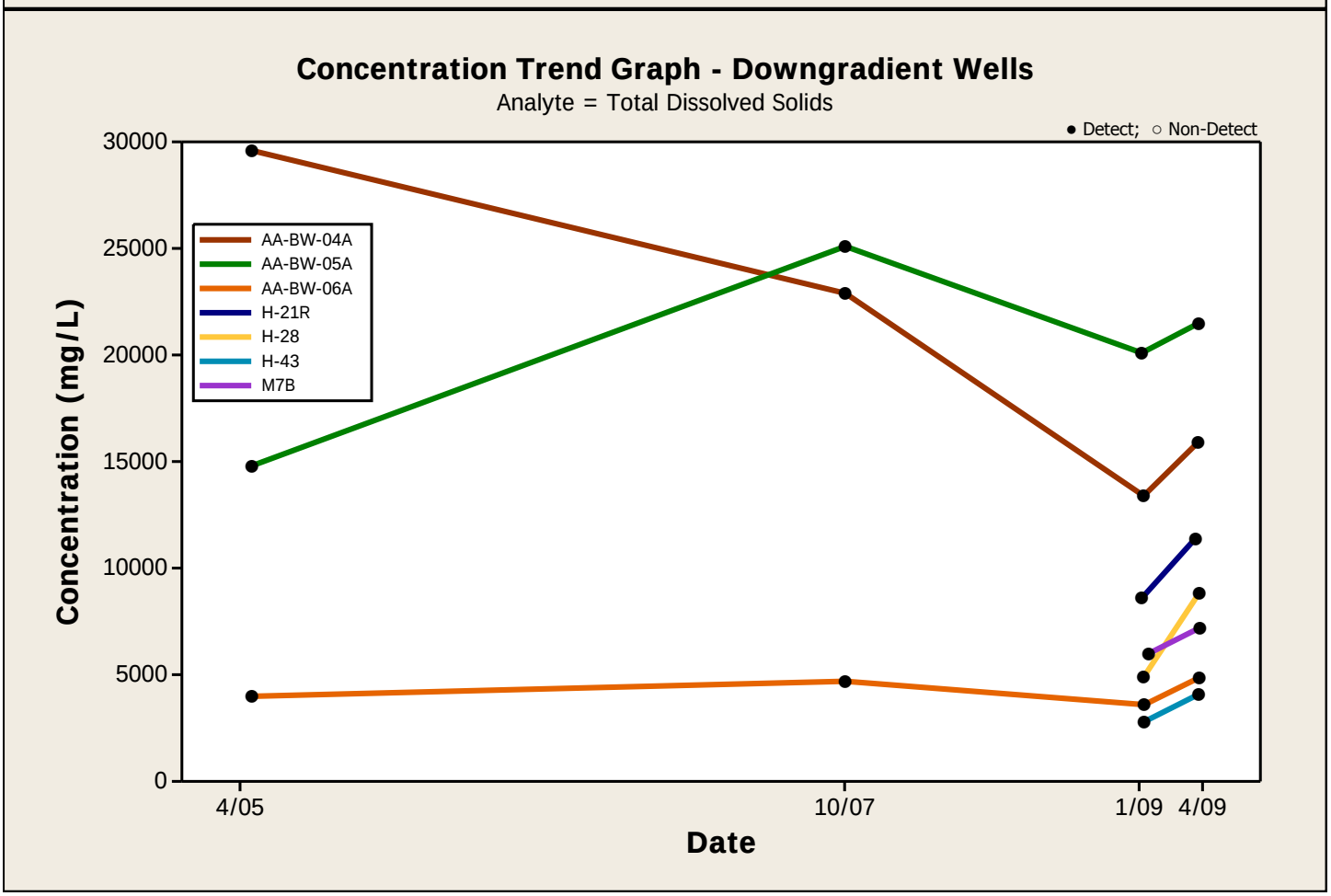


Concentration Trend Graph - Upgradient Wells

Analyte = Total Dissolved Solids




Concentration Trend Graph - Crossgradient Wells
Analyte = Total Dissolved Solids
● Detect; ○ Non-Detect
AA-BW-01A
AA-BW-02A
AA-BW-03A
AA-BW-07A
Concentration (mg/L)
20000
15000
10000
5000
0
4/05
10/07
1/09
4/09
Date


Concentration Trend Graph - Downgradient Wells
Analyte = Total Dissolved Solids
● Detect; ○ Non-Detect
AA-BW-04A
AA-BW-05A
AA-BW-06A
H-21R
H-28
H-43
M7B
Concentration (mg/L)
30000
25000
20000
15000
10000
5000
0
4/05
10/07
1/09
4/09
Date

APPENDIX E

CONCENTRATION FIGURES – 1ST QUARTER 2009

LIST OF FIGURES (APPENDIX E)

Figure E-1 Benzene Detections in Shallow Water-Bearing Zone Wells–1st Quarter 2009

Figure E-2 Chlorobenzene Detections in Shallow Water-Bearing Zone Wells–1st Quarter 2009

Figure E-3 Chloroform Detections in Shallow Water-Bearing Zone Wells–1st Quarter 2009

Figure E-4 1,4-Dichlorobenzene Detections in Shallow Water-Bearing Zone Wells–1st Quarter 2009

Figure E-5 Tetrachloroethylene (PCE) Detections in Shallow Water-Bearing Zone Wells–1st Quarter 2009

Figure E-6 Pentachlorophenol Detections in Shallow Water-Bearing Zone Wells–1st Quarter 2009

Figure E-7 alpha-BHC Detections in Shallow Water-Bearing Zone Wells–1st Quarter 2009

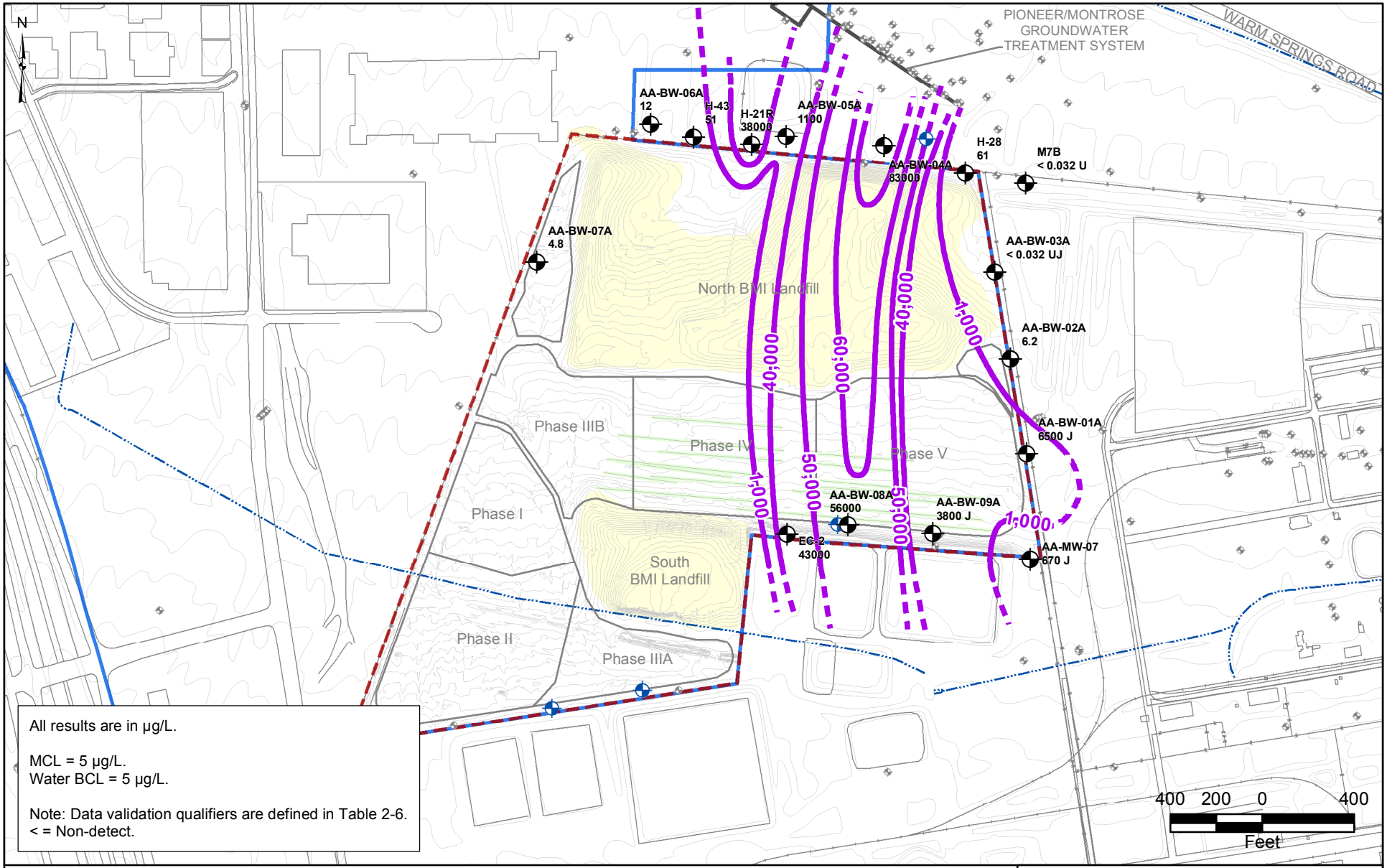
Figure E-8 Arsenic Detections in Shallow Water-Bearing Zone Wells–1st Quarter 2009

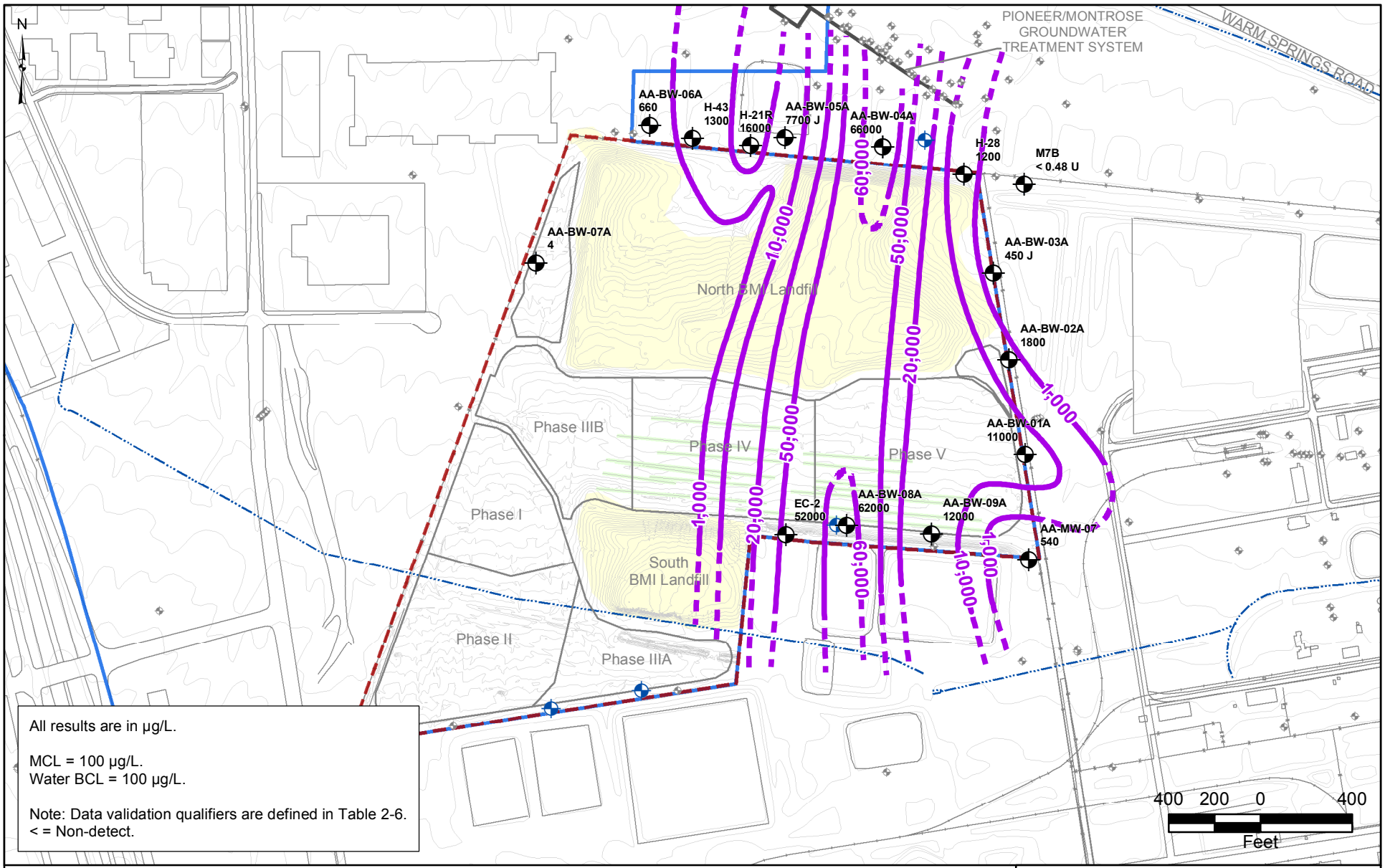
Figure E-9 Perchlorate Detections in Shallow Water-Bearing Zone Wells–1st Quarter 2009

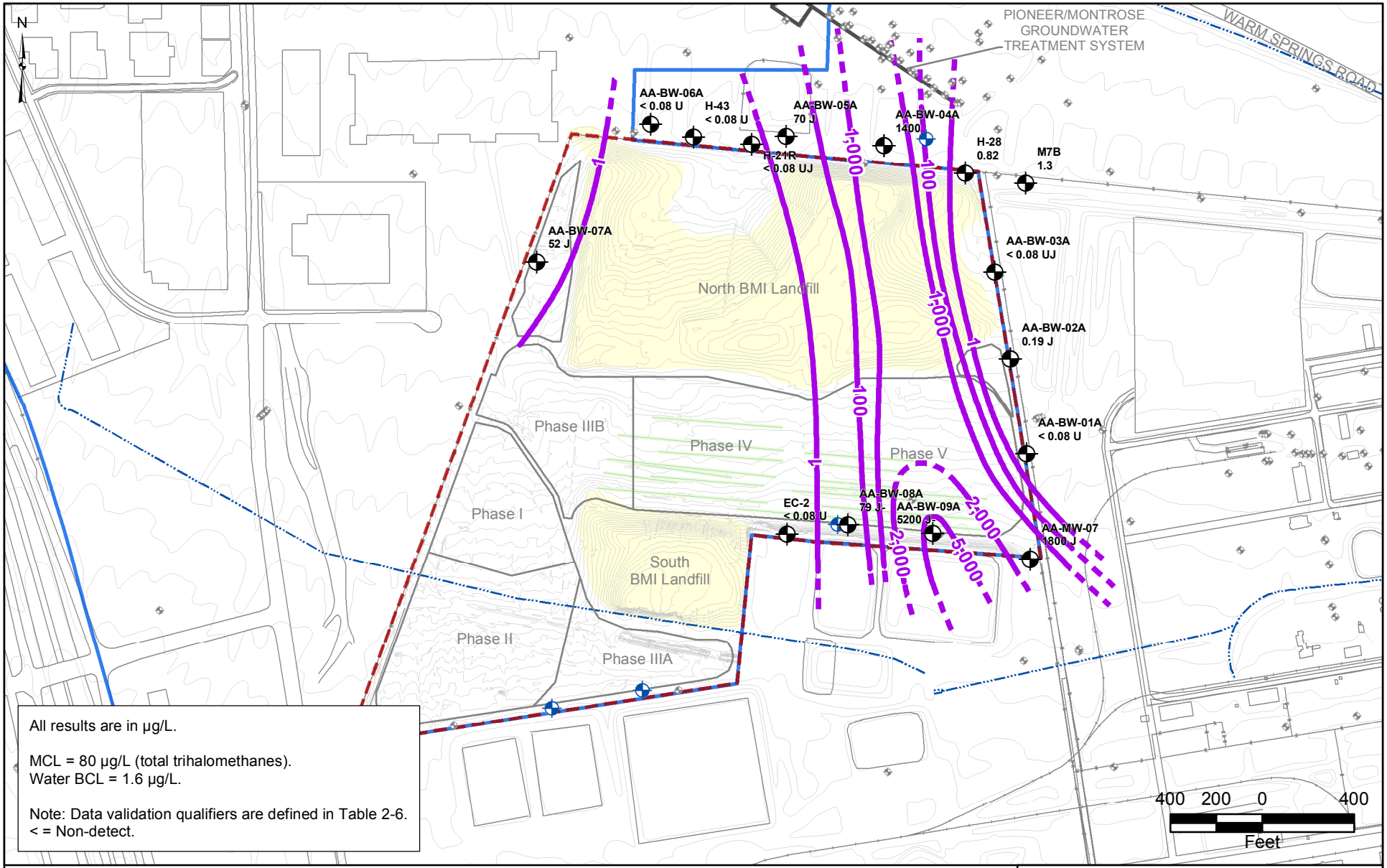
Figure E-10 Total Dissolved Solids (TDS) Detections in Shallow Water-Bearing Zone Wells–1st Quarter 2009

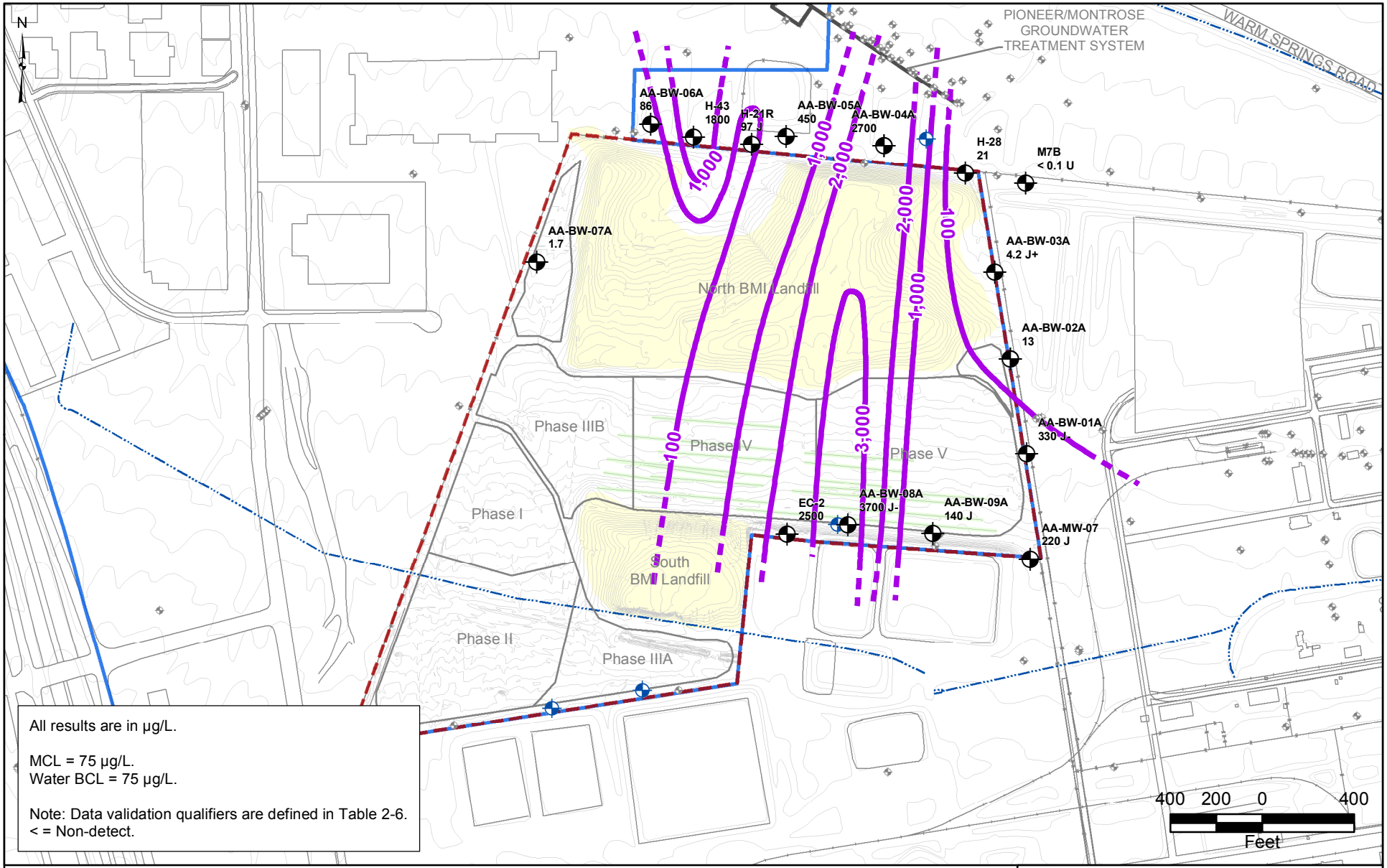
Figure E-11 Radium 226/228 Detections in Shallow Water-Bearing Zone Wells–1st Quarter 2009

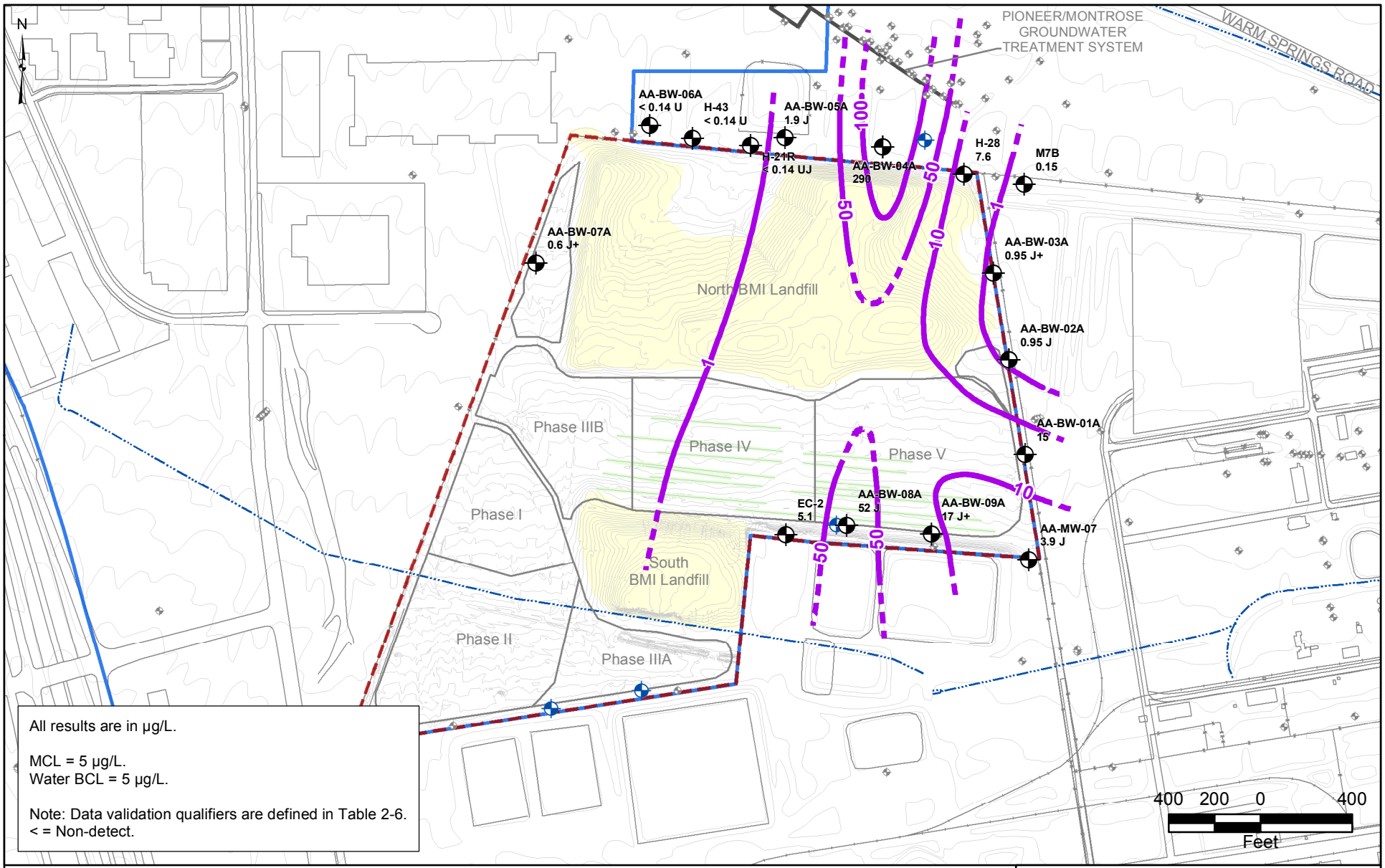
Figure E-12 Radon 222 Detections in Shallow Water-Bearing Zone Wells–1st Quarter 2009

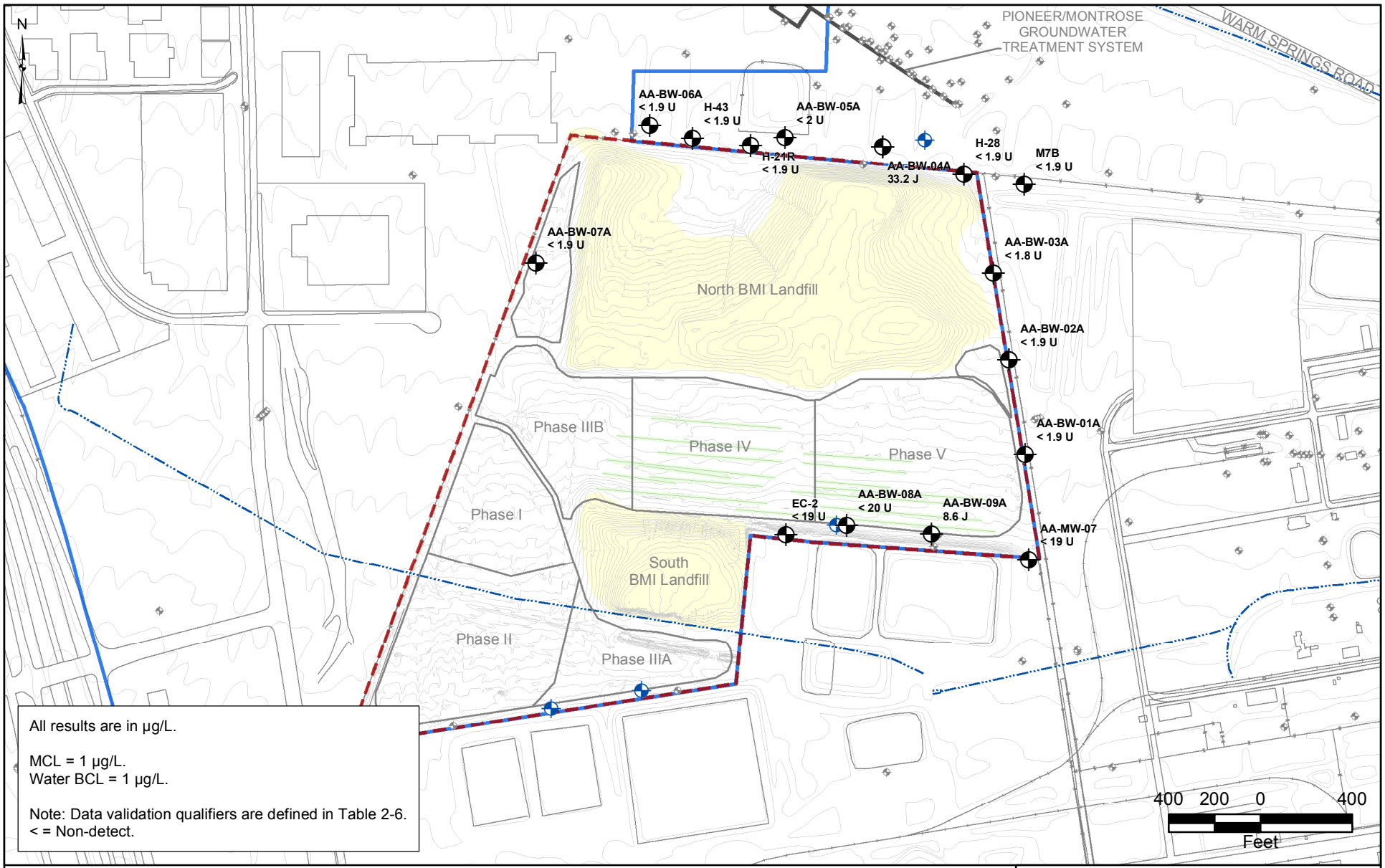

N
PIONEER/MONTROSE
GROUNDWATER
TREATMENT SYSTEM
WARM SPRINGS ROAD
AA-BW-06A
12
H-43
51
H-21R
38000
AA-BW-05A
1100
H-28
61
AA-BW-04A
83000
M7B
< 0.032 U
AA-BW-07A
4.8
AA-BW-03A
< 0.032 UJ
North BMI Landfill
AA-BW-02A
6.2
40,000
60,000
1,000
Phase IIIB
Phase IV
Phase V
AA-BW-01A
6500 J
50,000
AA-BW-08A
56000
AA-BW-09A
3800 J
Phase I
EG-2
43000
AA-MW-07
670 J
South
BMI Landfill
Phase II
Phase IIIA
All results are in µg/L.
MCL = 5 µg/L.
Water BCL = 5 µg/L.
Note: Data validation qualifiers are defined in Table 2-6.
< = Non-detect.
400 200 0 400
Feet
CAMU Site
Site Groundwater Boundary
Slit Trenches
Other Monitoring Wells
CAMU Monitoring Program Wells*
CAMU Monitoring Wells with Data
Concentration Contour
(dashed where inferred)
*Data not received from the Companies for these wells.
Corrective Action Management Unit (CAMU)
BMI Complex, Henderson, Nevada
FIGURE E-1
BENZENE
IN SHALLOW WATER-
BEARING ZONE WELLS
1ST QUARTER 2009
Basic Remediation COMPANY
Prepared by
MKJ (ERM)
ERM
Date
09/24/09
JOB No. 0074742
FILE: GIS/BRC/CAMU_GMR/FIGURES.MXD

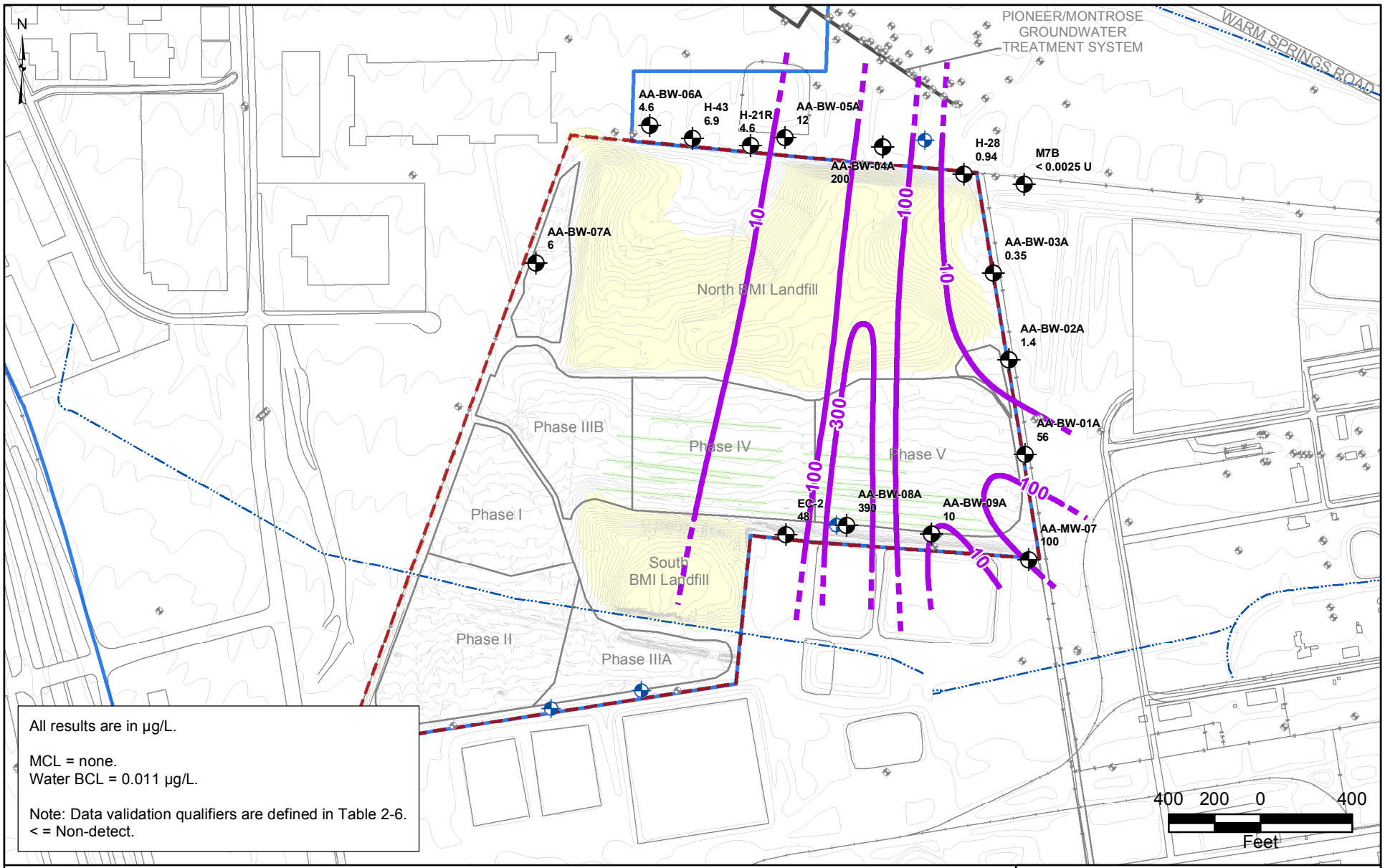

N
PIONEER/MONTROSE
GROUNDWATER
TREATMENT SYSTEM
WARM SPRINGS ROAD
AA-BW-06A
660
H-43
1300
H-21R
16000
AA-BW-05A
7700 J
AA-BW-04A
66000
H-28
1200
M7B
< 0.48 U
AA-BW-07A
4
AA-BW-03A
450 J
AA-BW-02A
1800
AA-BW-01A
11000
EC-2
52000
AA-BW-08A
62000
AA-BW-09A
12000
AA-MW-07
540
60,000
50,000
20,000
10,000
1,000
North BMI Landfill
South
BMI Landfill
Phase IIIB
Phase IV
Phase V
Phase I
Phase II
Phase IIIA
400 200 0 400
Feet
All results are in µg/L.
MCL = 100 µg/L.
Water BCL = 100 µg/L.
Note: Data validation qualifiers are defined in Table 2-6.
< = Non-detect.
CAMU Site
Site Groundwater Boundary
Slit Trenches
Other Monitoring Wells
CAMU Monitoring Program Wells*
CAMU Monitoring Wells with Data
Concentration Contour
(dashed where inferred)
*Data not received from the Companies for these wells.
Corrective Action Management Unit (CAMU)
BMI Complex, Henderson, Nevada
FIGURE E-2
CHLOROBENZENE
IN SHALLOW WATER-
BEARING ZONE WELLS
1ST QUARTER 2009
Basic Remediation
COMPANY
Prepared by
MKJ (ERM)
ERM
Date
09/24/09
JOB No. 0074742
FILE: GIS/BRC/CAMU_GMR/FIGURES.MXD

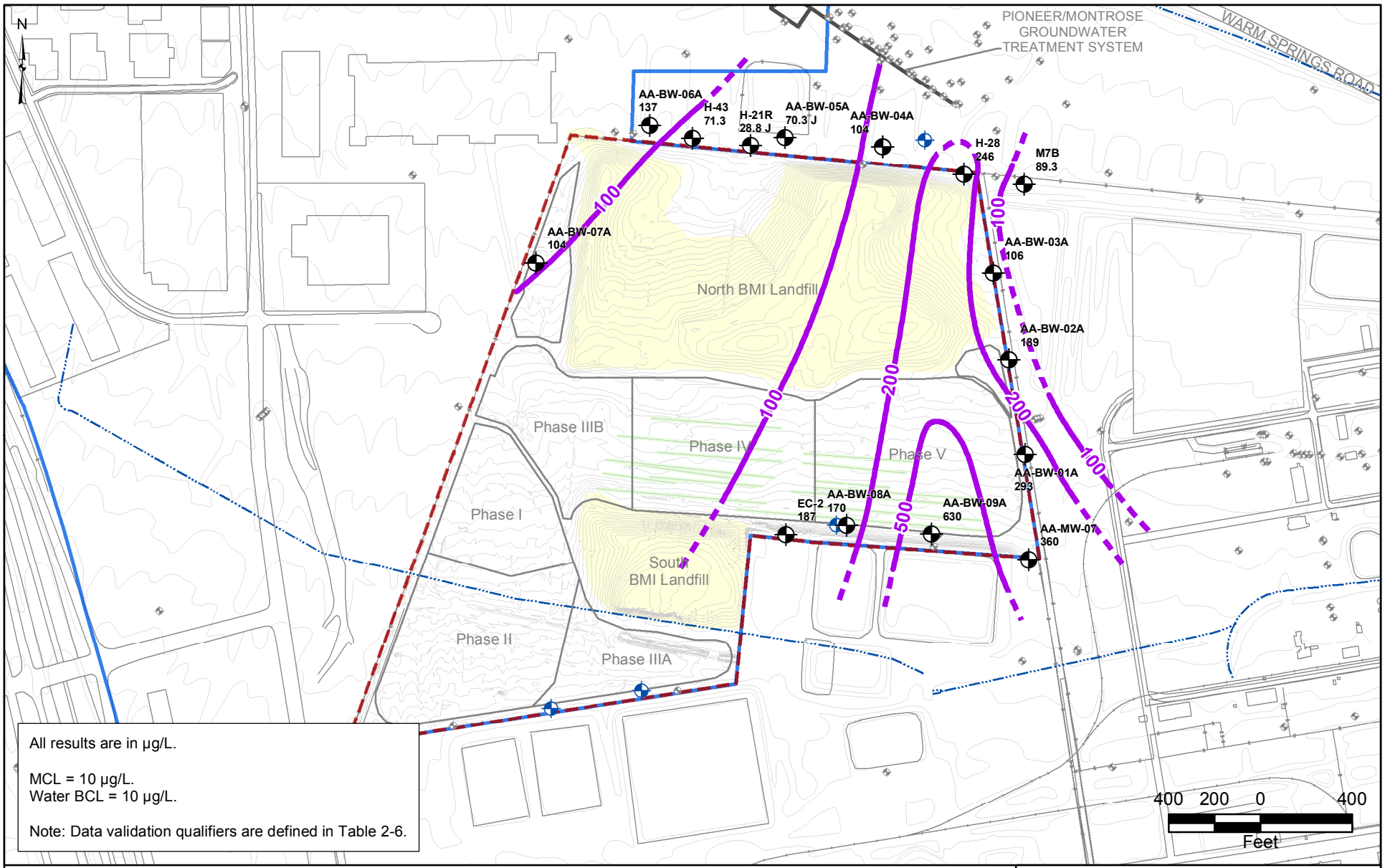

N
PIONEER/MONTROSE
GROUNDWATER
TREATMENT SYSTEM
WARM SPRINGS ROAD
AA-BW-06A
< 0.08 U
H-43
< 0.08 U
AA-BW-05A
70 J
AA-BW-04A
1400
H-28
0.82
M7B
1.3
H-21R
< 0.08 UJ
AA-BW-07A
52 J
AA-BW-03A
< 0.08 UJ
North BMI Landfill
AA-BW-02A
0.19 J
Phase IIIB
Phase IV
Phase V
AA-BW-01A
< 0.08 U
Phase I
EC-2
< 0.08 U
AA-BW-08A
79 J
AA-BW-09A
5200 J
AA-MW-07
1800 J
South
BMI Landfill
Phase II
Phase IIIA
1
100
1,000
2,000
5,000
400 200 0 400
Feet
All results are in µg/L.
MCL = 80 µg/L (total trihalomethanes).
Water BCL = 1.6 µg/L.
Note: Data validation qualifiers are defined in Table 2-6.
< = Non-detect.
CAMU Site
Site Groundwater Boundary
Slit Trenches
Other Monitoring Wells
CAMU Monitoring Program Wells*
CAMU Monitoring Wells with Data
Concentration Contour
(dashed where inferred)
*Data not received from the Companies for these wells.
Corrective Action Management Unit (CAMU)
BMI Complex, Henderson, Nevada
FIGURE E-3
CHLOROFORM
IN SHALLOW WATER-
BEARING ZONE WELLS
1ST QUARTER 2009
Basic Remediation Company
Prepared by
MKJ (ERM)
ERM
Date
09/24/09
JOB No. 0074742
FILE: GIS/BRC/CAMU_GMR/FIGURES.MXD

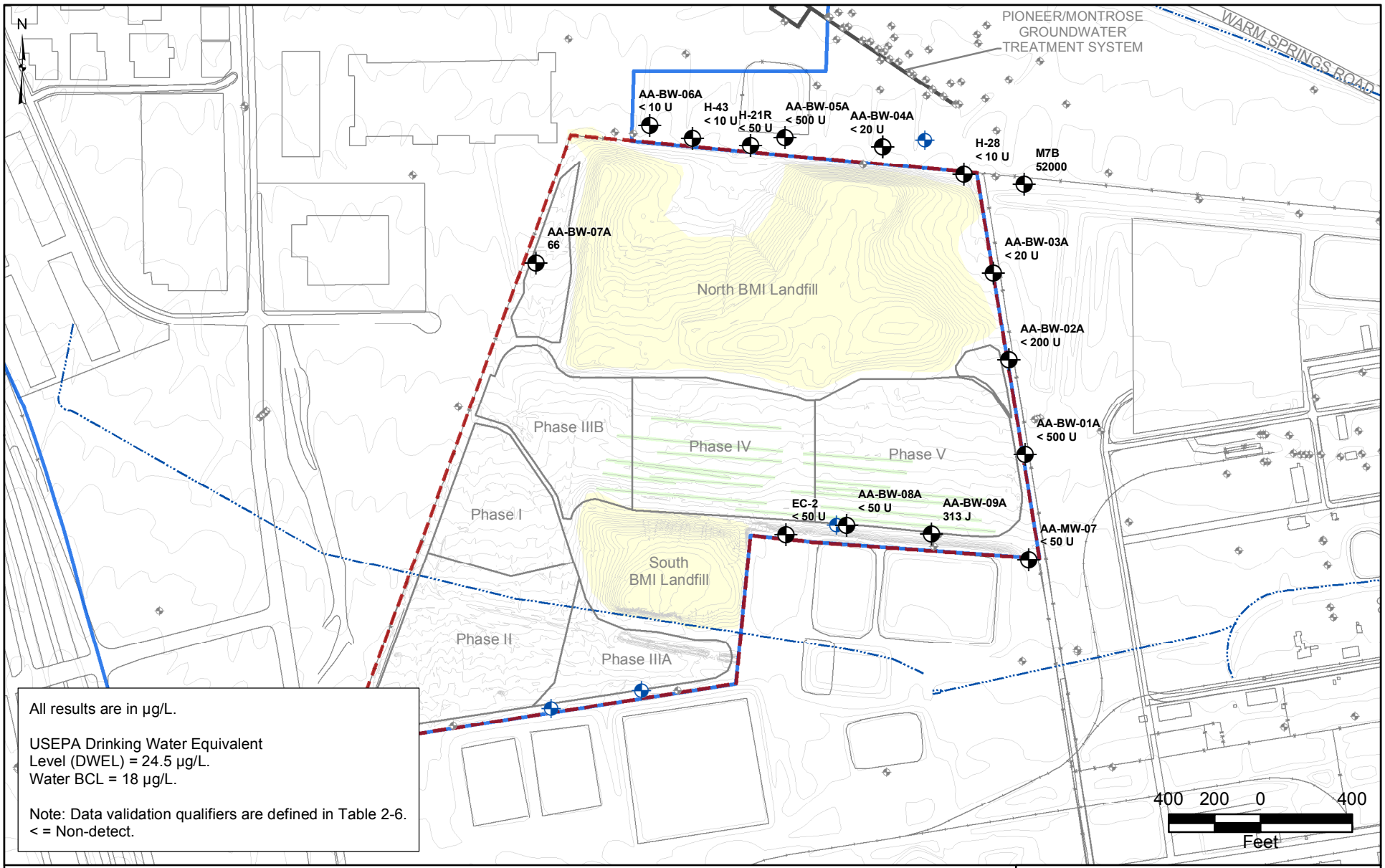

N
PIONEER/MONTROSE
GROUNDWATER
TREATMENT SYSTEM
WARM SPRINGS ROAD
AA-BW-06A
86
H-43
1800
H-21R
97 J
AA-BW-05A
450
AA-BW-04A
2700
H-28
21
M7B
< 0.1 U
AA-BW-07A
1.7
AA-BW-03A
4.2 J+
AA-BW-02A
13
AA-BW-01A
330 J-
EC-2
2500
AA-BW-08A
3700 J-
AA-BW-09A
140 J
AA-MW-07
220 J
1,000
2,000
3,000
100
North BMI Landfill
South
BMI Landfill
Phase IIIB
Phase IV
Phase V
Phase I
Phase II
Phase IIIA
All results are in µg/L.
MCL = 75 µg/L.
Water BCL = 75 µg/L.
Note: Data validation qualifiers are defined in Table 2-6.
< = Non-detect.
400 200 0 400
Feet
CAMU Site
Site Groundwater Boundary
Slit Trenches
Other Monitoring Wells
CAMU Monitoring Program Wells*
CAMU Monitoring Wells with Data
Concentration Contour
(dashed where inferred)
*Data not received from the Companies for these wells.
Corrective Action Management Unit (CAMU)
BMI Complex, Henderson, Nevada
FIGURE E-4
1,4-DICHLOROBENZENE
IN SHALLOW WATER-
BEARING ZONE WELLS
1ST QUARTER 2009
Basic Remediation
COMPANY
Prepared by
MKJ (ERM)
ERM
Date
09/24/09
JOB No. 0074742
FILE: GIS/BRC/CAMU_GMR/FIGURES.MXD

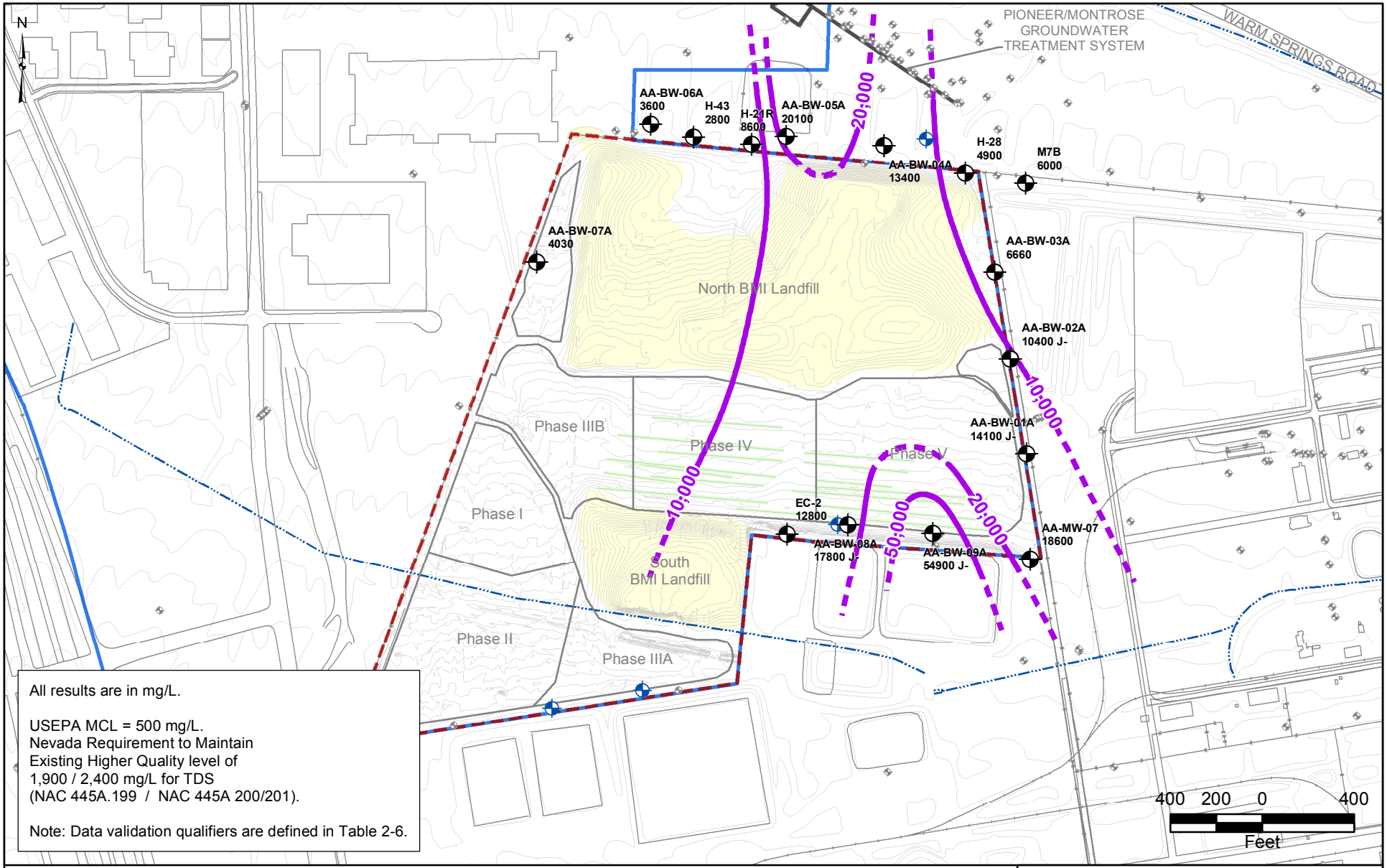

N
PIONEER/MONTROSE
GROUNDWATER
TREATMENT SYSTEM
WARM SPRINGS ROAD
AA-BW-06A
< 0.14 U
H-43
< 0.14 U
AA-BW-05A
1.9 J
H-21R
< 0.14 UJ
AA-BW-04A
290
H-28
7.6
M7B
0.15
AA-BW-07A
0.6 J+
AA-BW-03A
0.95 J+
AA-BW-02A
0.95 J
AA-BW-01A
15
EC-2
5.1
AA-BW-08A
52 J
AA-BW-09A
17 J+
AA-MW-07
3.9 J
100
50
10
1
North BMI Landfill
South
BMI Landfill
Phase IIIB
Phase IV
Phase V
Phase I
Phase II
Phase IIIA
400 200 0 400
Feet
All results are in µg/L.
MCL = 5 µg/L.
Water BCL = 5 µg/L.
Note: Data validation qualifiers are defined in Table 2-6.
< = Non-detect.
CAMU Site
Site Groundwater Boundary
Slit Trenches
Other Monitoring Wells
CAMU Monitoring Program Wells*
CAMU Monitoring Wells with Data
Concentration Contour
(dashed where inferred)
*Data not received from the Companies for these wells.
Corrective Action Management Unit (CAMU)
BMI Complex, Henderson, Nevada
FIGURE E-5
TETRACHLOROETHENE
IN SHALLOW WATER-
BEARING ZONE WELLS
1ST QUARTER 2009
Basic Remediation
COMPANY
Prepared by
MKJ (ERM)
ERM
Date
09/24/09
JOB No. 0074742
FILE: GIS/BRC/CAMU_GMR/FIGURES.MXD

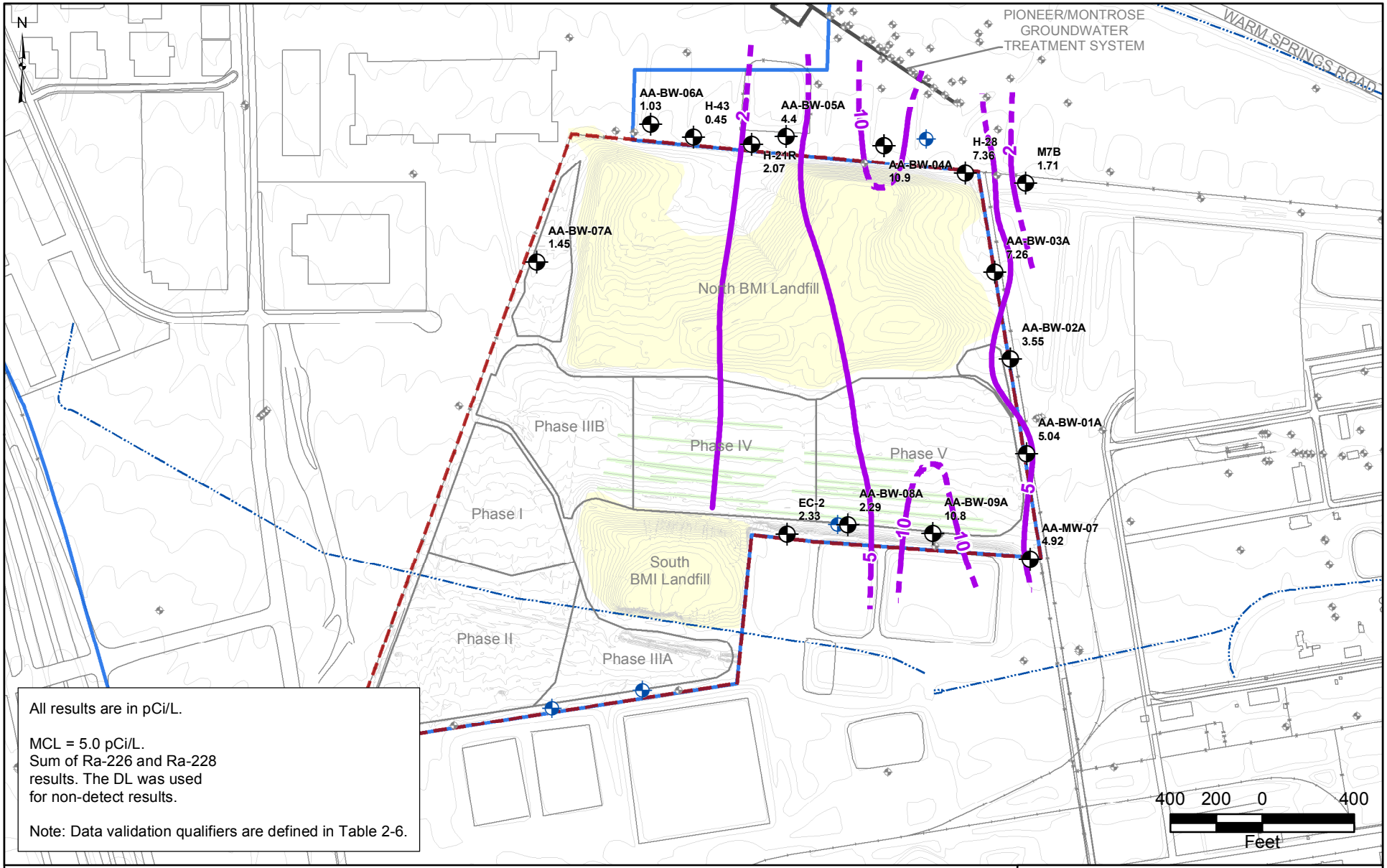

N
PIONEER/MONTROSE
GROUNDWATER
TREATMENT SYSTEM
WARM SPRINGS ROAD
AA-BW-06A
< 1.9 U
H-43
< 1.9 U
AA-BW-05A
< 2 U
H-21R
< 1.9 U
AA-BW-04A
33.2 J
H-28
< 1.9 U
M7B
< 1.9 U
AA-BW-07A
< 1.9 U
AA-BW-03A
< 1.8 U
North BMI Landfill
AA-BW-02A
< 1.9 U
Phase IIIB
Phase IV
Phase V
AA-BW-01A
< 1.9 U
Phase I
EC-2
< 19 U
AA-BW-08A
< 20 U
AA-BW-09A
8.6 J
AA-MW-07
< 19 U
South
BMI Landfill
Phase II
Phase IIIA
All results are in µg/L.
MCL = 1 µg/L.
Water BCL = 1 µg/L.
Note: Data validation qualifiers are defined in Table 2-6.
< = Non-detect.
400 200 0 400
Feet
CAMU Site
Site Groundwater Boundary
Slit Trenches
Other Monitoring Wells
CAMU Monitoring Program Wells*
CAMU Monitoring Wells with Data
Concentration Contour
(dashed where inferred)
*Data not received from the Companies for these wells.
Corrective Action Management Unit (CAMU)
BMI Complex, Henderson, Nevada
FIGURE E-6
PENTACHLOROPHENOL
IN SHALLOW WATER-
BEARING ZONE WELLS
1ST QUARTER 2009
Basic Remediation
COMPANY
Prepared by
MKJ (ERM)
ERM
Date
09/24/09
JOB No. 0074742
FILE: GIS/BRC/CAMU_GMR/FIGURES.MXD


N
PIONEER/MONTROSE
GROUNDWATER
TREATMENT SYSTEM
WARM SPRINGS ROAD
AA-BW-06A
4.6
H-43
6.9
H-21R
4.6
AA-BW-05A
12
H-28
0.94
M7B
< 0.0025 U
AA-BW-04A
200
AA-BW-07A
6
AA-BW-03A
0.35
AA-BW-02A
1.4
AA-BW-01A
56
AA-MW-07
100
EC-2
48
AA-BW-08A
390
AA-BW-09A
10
10
100
300
1
North BMI Landfill
Phase IIIB
Phase IV
Phase V
Phase I
South
BMI Landfill
Phase II
Phase IIIA
All results are in µg/L.
MCL = none.
Water BCL = 0.011 µg/L.
Note: Data validation qualifiers are defined in Table 2-6.
< = Non-detect.
400 200 0 400
Feet
CAMU Site
Site Groundwater Boundary
Slit Trenches
Other Monitoring Wells
CAMU Monitoring Program Wells*
CAMU Monitoring Wells with Data
Concentration Contour
(dashed where inferred)
*Data not received from the Companies for these wells.
Corrective Action Management Unit (CAMU)
BMI Complex, Henderson, Nevada
FIGURE E-7
alpha-BHC
IN SHALLOW WATER-
BEARING ZONE WELLS
1ST QUARTER 2009
Basic Remediation COMPANY
Prepared by
MKJ (ERM)
ERM
Date
09/24/09
JOB No. 0074742
FILE: GIS/BRC/CAMU_GMR/FIGURES.MXD


N
PIONEER/MONTROSE
GROUNDWATER
TREATMENT SYSTEM
WARM SPRINGS ROAD
AA-BW-06A
137
H-43
71.3
H-21R
28.8 J
AA-BW-05A
70.3 J
AA-BW-04A
104
H-28
246
M7B
89.3
AA-BW-07A
104
AA-BW-03A
106
AA-BW-02A
189
AA-BW-01A
293
EC-2
187
AA-BW-08A
170
AA-BW-09A
630
AA-MW-07
360
100
200
500
North BMI Landfill
Phase IIIB
Phase IV
Phase V
Phase I
South
BMI Landfill
Phase II
Phase IIIA
400 200 0 400
Feet
All results are in µg/L.
MCL = 10 µg/L.
Water BCL = 10 µg/L.
Note: Data validation qualifiers are defined in Table 2-6.
CAMU Site
Site Groundwater Boundary
Slit Trenches
Other Monitoring Wells
CAMU Monitoring Program Wells*
CAMU Monitoring Wells with Data
Concentration Contour
(dashed where inferred)
*Data not received from the Companies for these wells.
Corrective Action Management Unit (CAMU)
BMI Complex, Henderson, Nevada
FIGURE E-8
ARSENIC
IN SHALLOW WATER-
BEARING ZONE WELLS
1ST QUARTER 2009
Basic Remediation
COMPANY
Prepared by
MKJ (ERM)
ERM
Date
09/24/09
JOB No. 0074742
FILE: GIS/BRC/CAMU_GMR/FIGURES.MXD


N
PIONEER/MONTROSE
GROUNDWATER
TREATMENT SYSTEM
WARM SPRINGS ROAD
AA-BW-06A
< 10 U
H-43
< 10 U
H-21R
< 50 U
AA-BW-05A
< 500 U
AA-BW-04A
< 20 U
H-28
< 10 U
M7B
52000
AA-BW-07A
66
AA-BW-03A
< 20 U
North BMI Landfill
AA-BW-02A
< 200 U
Phase IIIB
Phase IV
Phase V
AA-BW-01A
< 500 U
Phase I
EC-2
< 50 U
AA-BW-08A
< 50 U
AA-BW-09A
313 J
AA-MW-07
< 50 U
South
BMI Landfill
Phase II
Phase IIIA
400 200 0 400
Feet
All results are in µg/L.
USEPA Drinking Water Equivalent Level (DWEL) = 24.5 µg/L.
Water BCL = 18 µg/L.
Note: Data validation qualifiers are defined in Table 2-6.
< = Non-detect.
CAMU Site
Site Groundwater Boundary
Slit Trenches
Other Monitoring Wells
CAMU Monitoring Program Wells*
CAMU Monitoring Wells with Data
Concentration Contour
(dashed where inferred)
*Data not received from the Companies for these wells.
Corrective Action Management Unit (CAMU)
BMI Complex, Henderson, Nevada
FIGURE E-9
PERCHLORATE
IN SHALLOW WATER-
BEARING ZONE WELLS
1ST QUARTER 2009
Basic Remediation COMPANY
Prepared by
MKJ (ERM)
ERM
Date
09/24/09
JOB No. 0074742
FILE: GIS/BRC/CAMU_GMR/FIGURES.MXD


N
PIONEER/MONTROSE
GROUNDWATER
TREATMENT SYSTEM
WARM SPRINGS ROAD
AA-BW-06A
3600
H-43
2800
H-21R
8600
AA-BW-05A
20100
20,000
H-28
4900
M7B
6000
AA-BW-04A
13400
AA-BW-07A
4030
AA-BW-03A
6660
North BMI Landfill
AA-BW-02A
10400 J-
10,000
AA-BW-01A
14100 J-
Phase IIIB
Phase IV
Phase V
Phase I
EC-2
12800
AA-BW-08A
17800 J-
50,000
AA-BW-09A
54900 J-
20,000
AA-MW-07
18600
South
BMI Landfill
Phase II
Phase IIIA
All results are in mg/L.
USEPA MCL = 500 mg/L.
Nevada Requirement to Maintain
Existing Higher Quality level of
1,900 / 2,400 mg/L for TDS
(NAC 445A.199 / NAC 445A 200/201).
Note: Data validation qualifiers are defined in Table 2-6.
400 200 0 400
Feet
CAMU Site
Site Groundwater Boundary
Slit Trenches
Other Monitoring Wells
CAMU Monitoring Program Wells*
CAMU Monitoring Wells with Data
Concentration Contour
(dashed where inferred)
*Data not received from the Companies for these wells.
Corrective Action Management Unit (CAMU)
BMI Complex, Henderson, Nevada
FIGURE E-10
TOTAL DISSOLVED SOLIDS
IN SHALLOW WATER-
BEARING ZONE WELLS
1ST QUARTER 2009
Basic Remediation
COMPANY
Prepared by
MKJ (ERM)
ERM
Date
09/24/09
JOB No. 0074742
FILE: GIS/BRC/CAMU_GMR/FIGURES.MXD



All results are in pCi/L.

MCL = 5.0 pCi/L.
Sum of Ra-226 and Ra-228
results. The DL was used
for non-detect results.

Note: Data validation qualifiers are defined in Table 2-6.

CAMU Site

Site Groundwater Boundary

Slit Trenches

Other Monitoring Wells

CAMU Monitoring Program Wells*

CAMU Monitoring Wells with Data

Concentration Contour
(dashed where inferred)

*Data not received from the Companies for these wells.

Corrective Action Management Unit (CAMU)
BMI Complex, Henderson, Nevada

FIGURE E-11

RADIUM-226/228
IN SHALLOW WATER-
BEARING ZONE WELLS
1ST QUARTER 2009

Basic Remediation COMPANY

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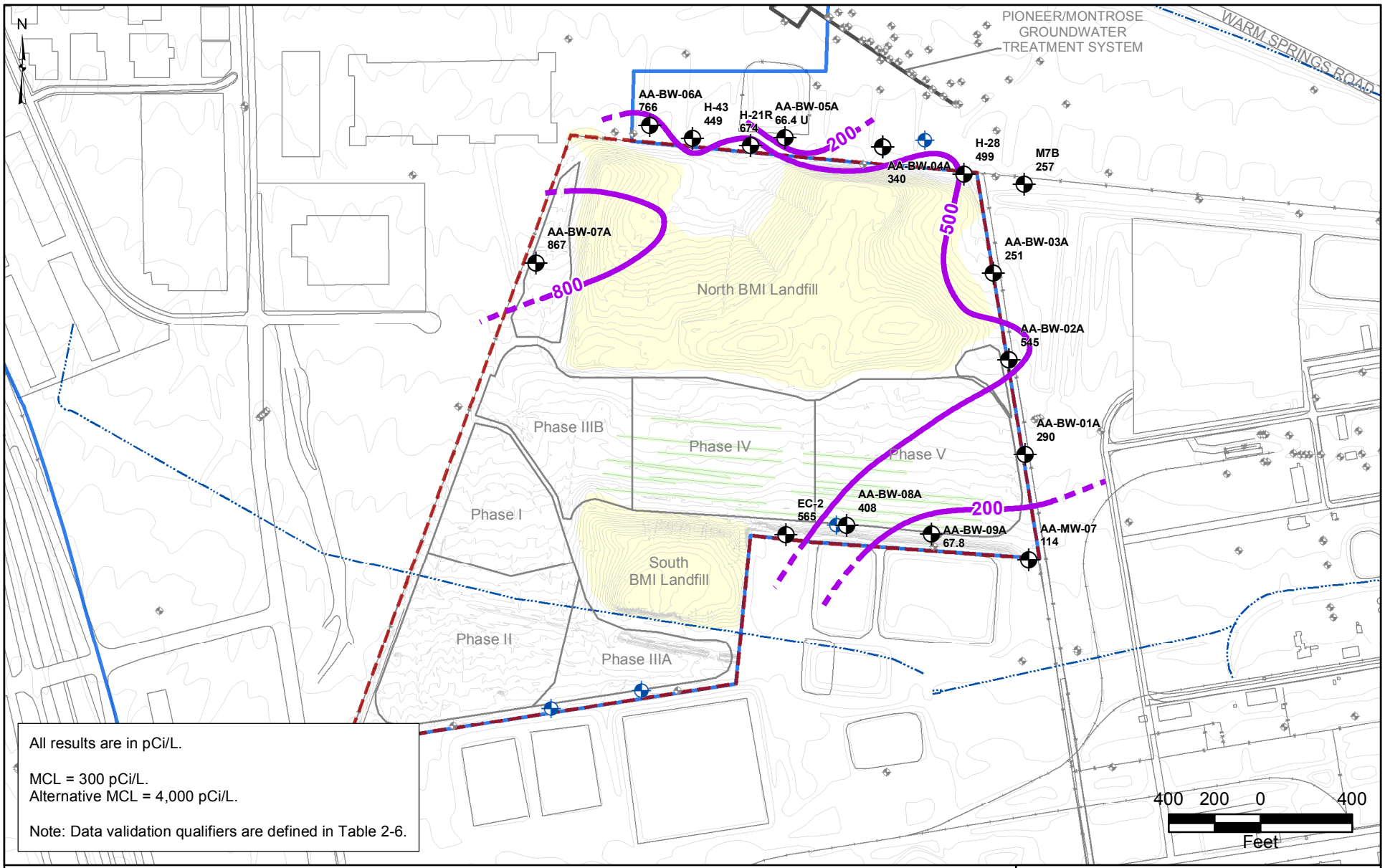

N
PIONEER/MONTROSE
GROUNDWATER
TREATMENT SYSTEM
WARM SPRINGS ROAD
AA-BW-06A
766
H-43
449
H-21R
674
AA-BW-05A
66.4 U
200
H-28
499
M7B
257
AA-BW-04A
340
500
AA-BW-07A
867
800
AA-BW-03A
251
North BMI Landfill
AA-BW-02A
545
Phase IIIB
Phase IV
Phase V
AA-BW-01A
290
Phase I
EC-2
565
AA-BW-08A
408
200
AA-BW-09A
67.8
AA-MW-07
114
South
BMI Landfill
Phase II
Phase IIIA
400 200 0 400
Feet
All results are in pCi/L.
MCL = 300 pCi/L.
Alternative MCL = 4,000 pCi/L.
Note: Data validation qualifiers are defined in Table 2-6.
CAMU Site
Site Groundwater Boundary
Slit Trenches
Other Monitoring Wells
CAMU Monitoring Program Wells*
CAMU Monitoring Wells with Data
Concentration Contour
(dashed where inferred)
*Data not received from the Companies for these wells.
Corrective Action Management Unit (CAMU)
BMI Complex, Henderson, Nevada
FIGURE E-12
RADON-222
IN SHALLOW WATER-
BEARING ZONE WELLS
1ST QUARTER 2009
Basic Remediation COMPANY
Prepared by
MKJ (ERM)
ERM
Date
09/24/09
JOB No. 0074742
FILE: GIS/BRC/CAMU_GMR/FIGURES.MXD

APPENDIX F

CONCENTRATION FIGURES – 2ND QUARTER 2009

LIST OF FIGURES (APPENDIX F)

Figure F-1 Benzene Detections in Shallow Water-Bearing Zone Wells–2nd Quarter 2009

Figure F-2 Chlorobenzene Detections in Shallow Water-Bearing Zone Wells–2nd Quarter 2009

Figure F-3 Chloroform Detections in Shallow Water-Bearing Zone Wells–2nd Quarter 2009

Figure F-4 1,4-Dichlorobenzene Detections in Shallow Water-Bearing Zone Wells–2nd Quarter 2009

Figure F-5 Tetrachloroethylene (PCE) Detections in Shallow Water-Bearing Zone Wells–2nd Quarter 2009

Figure F-6 Pentachlorophenol Detections in Shallow Water-Bearing Zone Wells–2nd Quarter 2009

Figure F-7 alpha-BHC Detections in Shallow Water-Bearing Zone Wells–2nd Quarter 2009

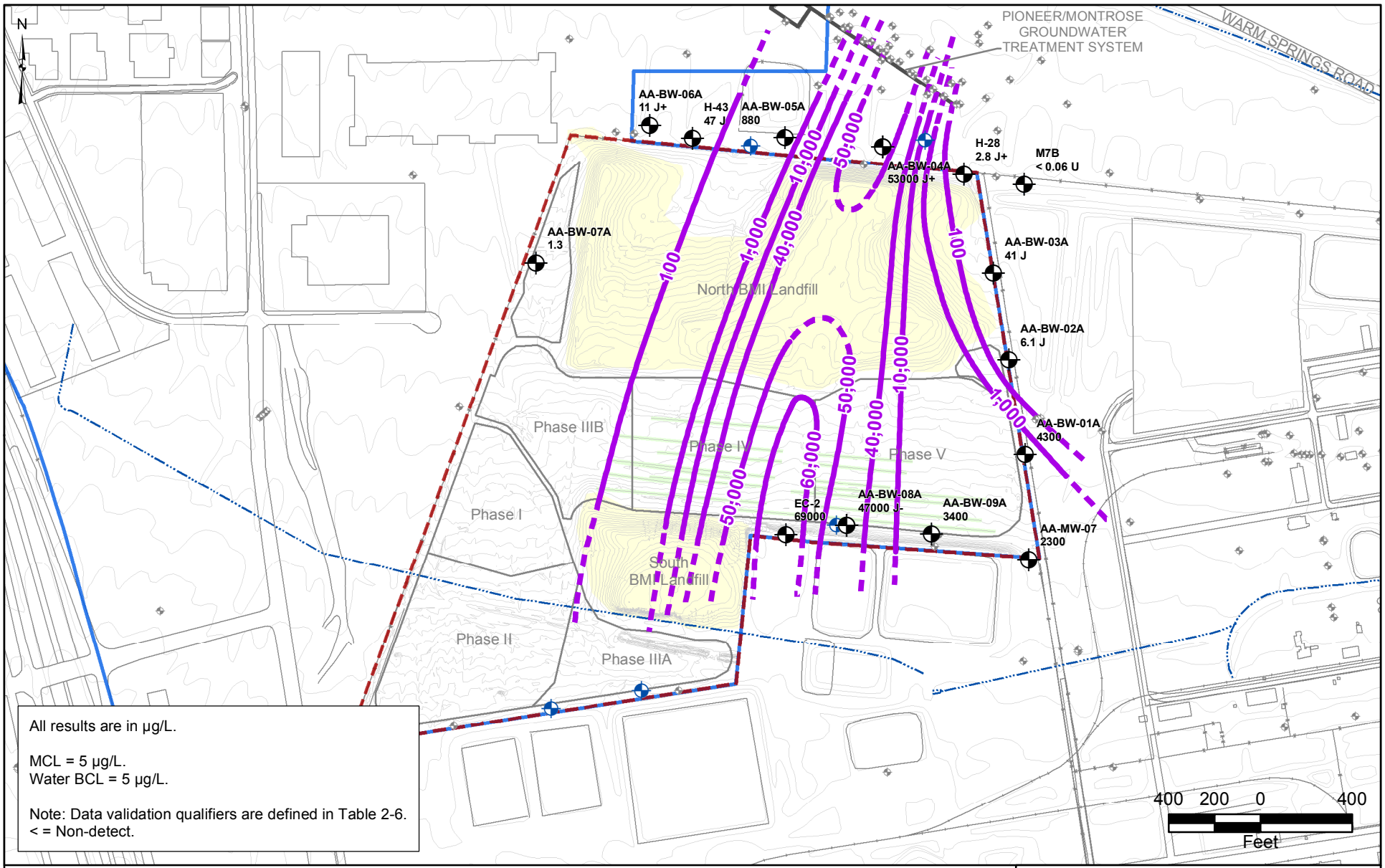
Figure F-8 Arsenic Detections in Shallow Water-Bearing Zone Wells–2nd Quarter 2009

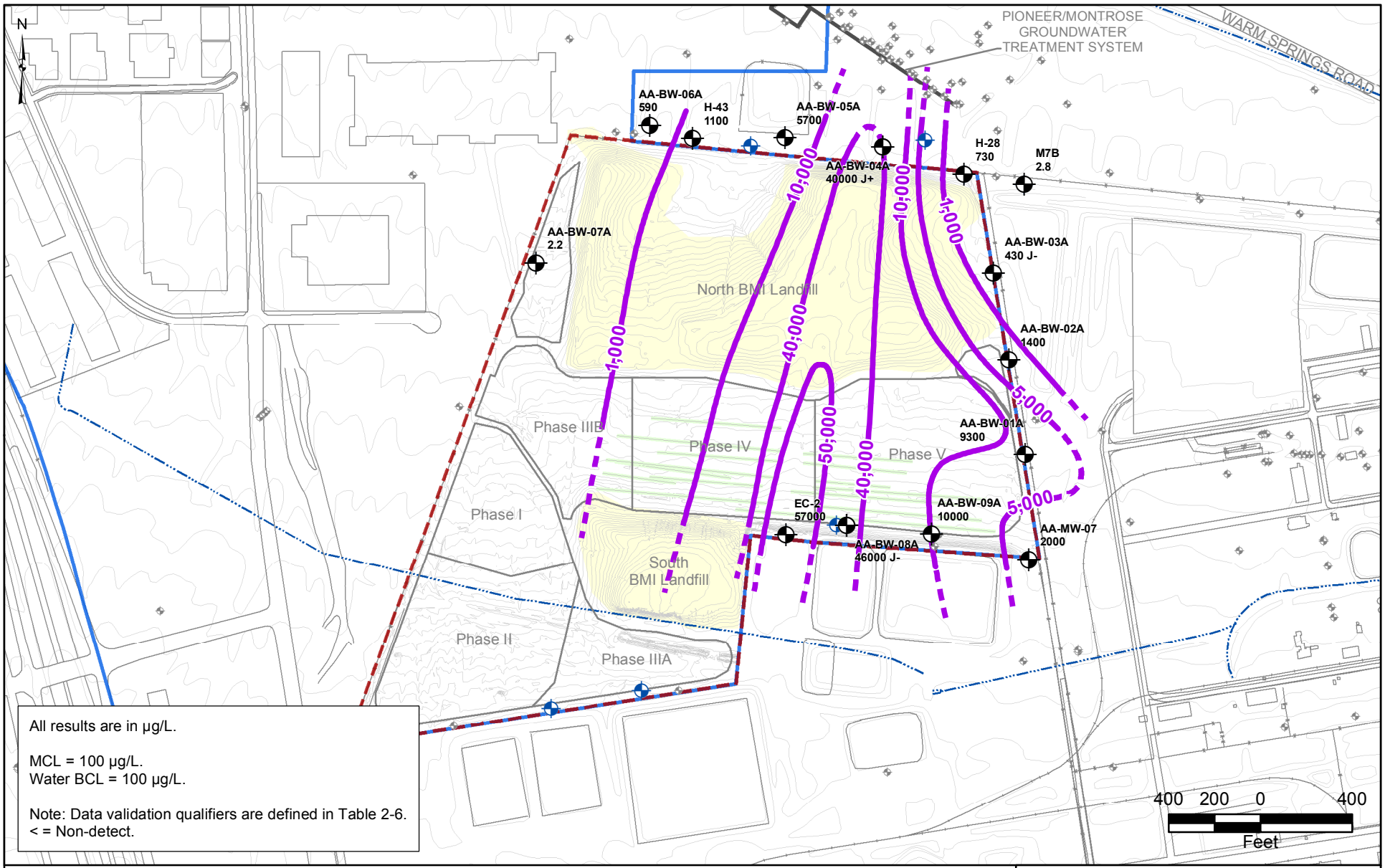
Figure F-9 Perchlorate Detections in Shallow Water-Bearing Zone Wells–2nd Quarter 2009

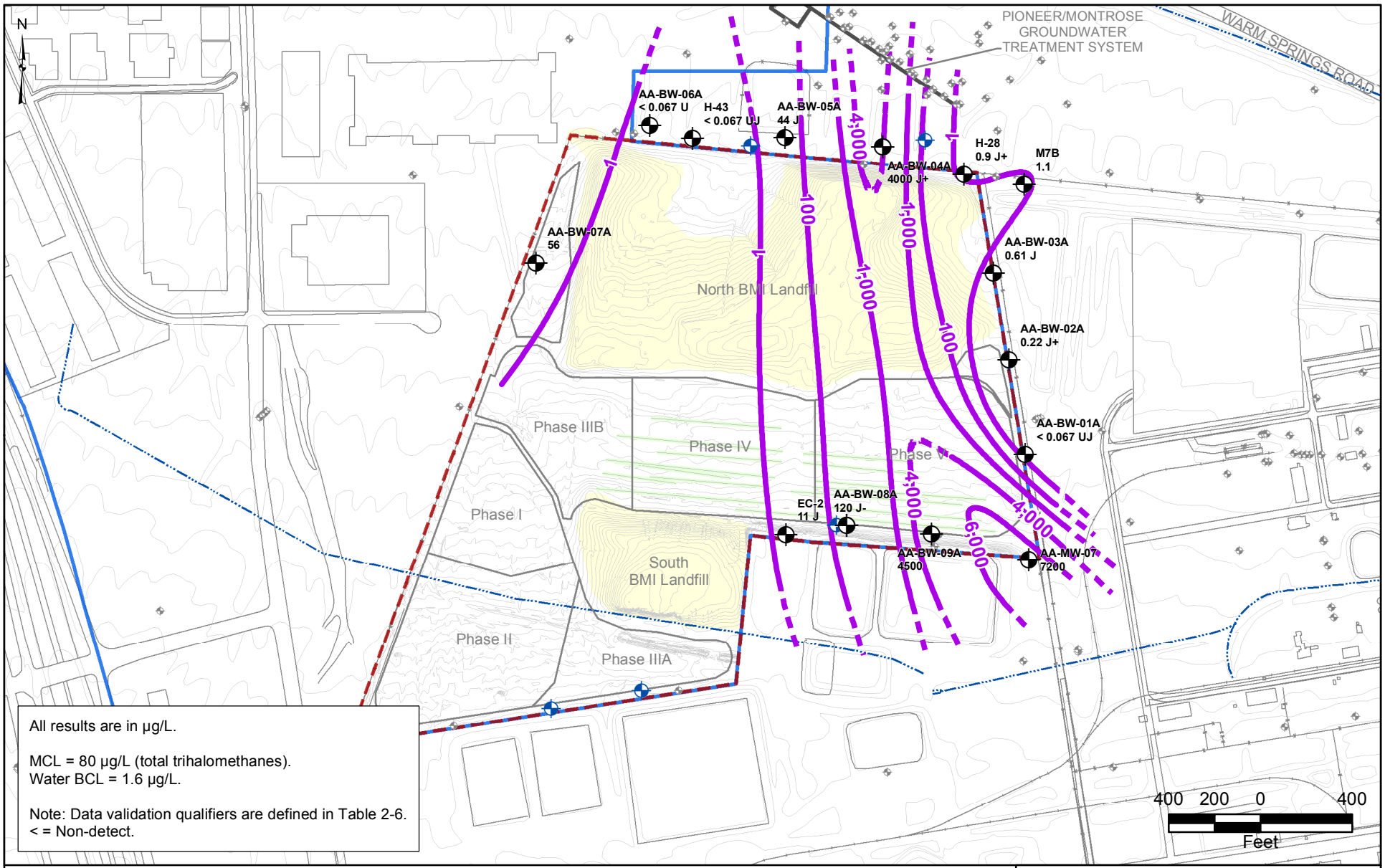
Figure F-10 Total Dissolved Solids (TDS) Detections in Shallow Water-Bearing Zone Wells–2nd Quarter 2009

Figure F-11 Radium 226/228 Detections in Shallow Water-Bearing Zone Wells–2nd Quarter 2009

Figure F-12 Radon 222 Detections in Shallow Water-Bearing Zone Wells–2nd Quarter 2009


N
PIONEER/MONTROSE
GROUNDWATER
TREATMENT SYSTEM
WARM SPRINGS ROAD
AA-BW-06A
11 J+
H-43
47 J
AA-BW-05A
880
H-28
2.8 J+
M7B
< 0.06 U
AA-BW-04A
53000 J+
AA-BW-07A
1.3
AA-BW-03A
41 J
AA-BW-02A
6.1 J
AA-BW-01A
4300
AA-BW-08A
47000 J-
AA-BW-09A
3400
EC-2
69000
AA-MW-07
2300
100
1,000
40,000
10,000
50,000
60,000
North BMI Landfill
South BMI Landfill
Phase I
Phase II
Phase IIIA
Phase IIIB
Phase IV
Phase V
All results are in µg/L.
MCL = 5 µg/L.
Water BCL = 5 µg/L.
Note: Data validation qualifiers are defined in Table 2-6.
< = Non-detect.
400 200 0 400
Feet
CAMU Site
Site Groundwater Boundary
Slit Trenches
Other Monitoring Wells
CAMU Monitoring Program Wells*
CAMU Monitoring Wells with Data
Concentration Contour
(dashed where inferred)
*Data not received from the Companies for these wells.
Corrective Action Management Unit (CAMU)
BMI Complex, Henderson, Nevada
FIGURE F-1
BENZENE
IN SHALLOW WATER-
BEARING ZONE WELLS
2ND QUARTER 2009
Basic Remediation Company
Prepared by
MKJ (ERM)
ERM
Date
09/24/09
JOB No. 0074742
FILE: GIS/BRC/CAMU_GMR/FIGURES.MXD


N
PIONEER/MONTROSE
GROUNDWATER
TREATMENT SYSTEM
WARM SPRINGS ROAD
AA-BW-06A
590
H-43
1100
AA-BW-05A
5700
H-28
730
M7B
2.8
AA-BW-04A
40000 J+
AA-BW-07A
2.2
AA-BW-03A
430 J-
AA-BW-02A
1400
AA-BW-01A
9300
EC-2
57000
AA-BW-09A
10000
AA-MW-07
2000
AA-BW-08A
46000 J-
1;000
10;000
40;000
50;000
5;000
North BMI Landfill
South
BMI Landfill
Phase I
Phase II
Phase IIIA
Phase IIIB
Phase IV
Phase V
All results are in µg/L.
MCL = 100 µg/L.
Water BCL = 100 µg/L.
Note: Data validation qualifiers are defined in Table 2-6.
< = Non-detect.
400 200 0 400
Feet
CAMU Site
Site Groundwater Boundary
Slit Trenches
Other Monitoring Wells
CAMU Monitoring Program Wells*
CAMU Monitoring Wells with Data
Concentration Contour
(dashed where inferred)
*Data not received from the Companies for these wells.
Corrective Action Management Unit (CAMU)
BMI Complex, Henderson, Nevada
FIGURE F-2
CHLOROBENZENE
IN SHALLOW WATER-
BEARING ZONE WELLS
2ND QUARTER 2009
Basic Remediation
COMPANY
Prepared by
MKJ (ERM)
ERM
Date
09/24/09
JOB No. 0074742
FILE: GIS/BRC/CAMU_GMR/FIGURES.MXD



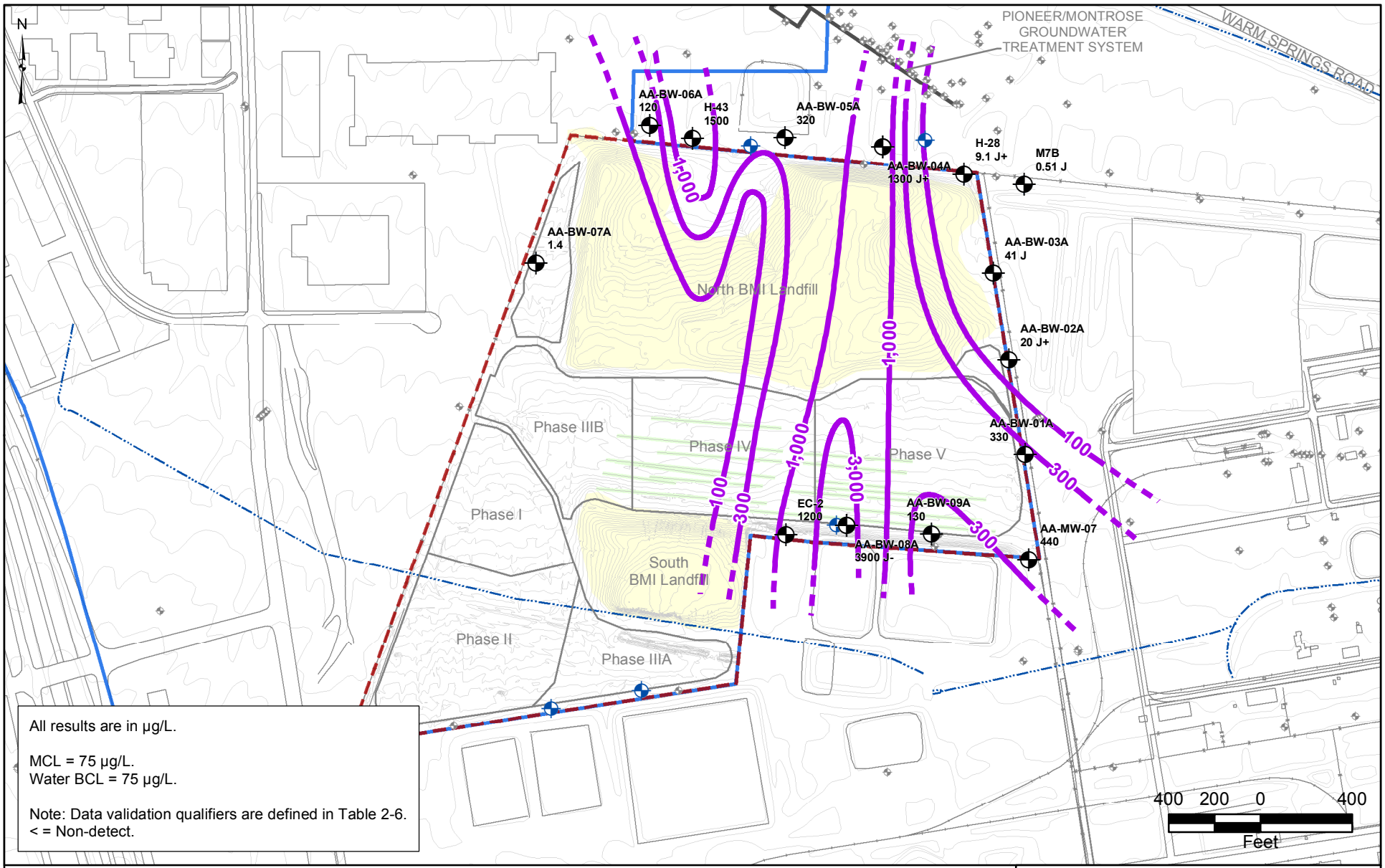
Corrective Action Management Unit (CAMU)
BMI Complex, Henderson, Nevada

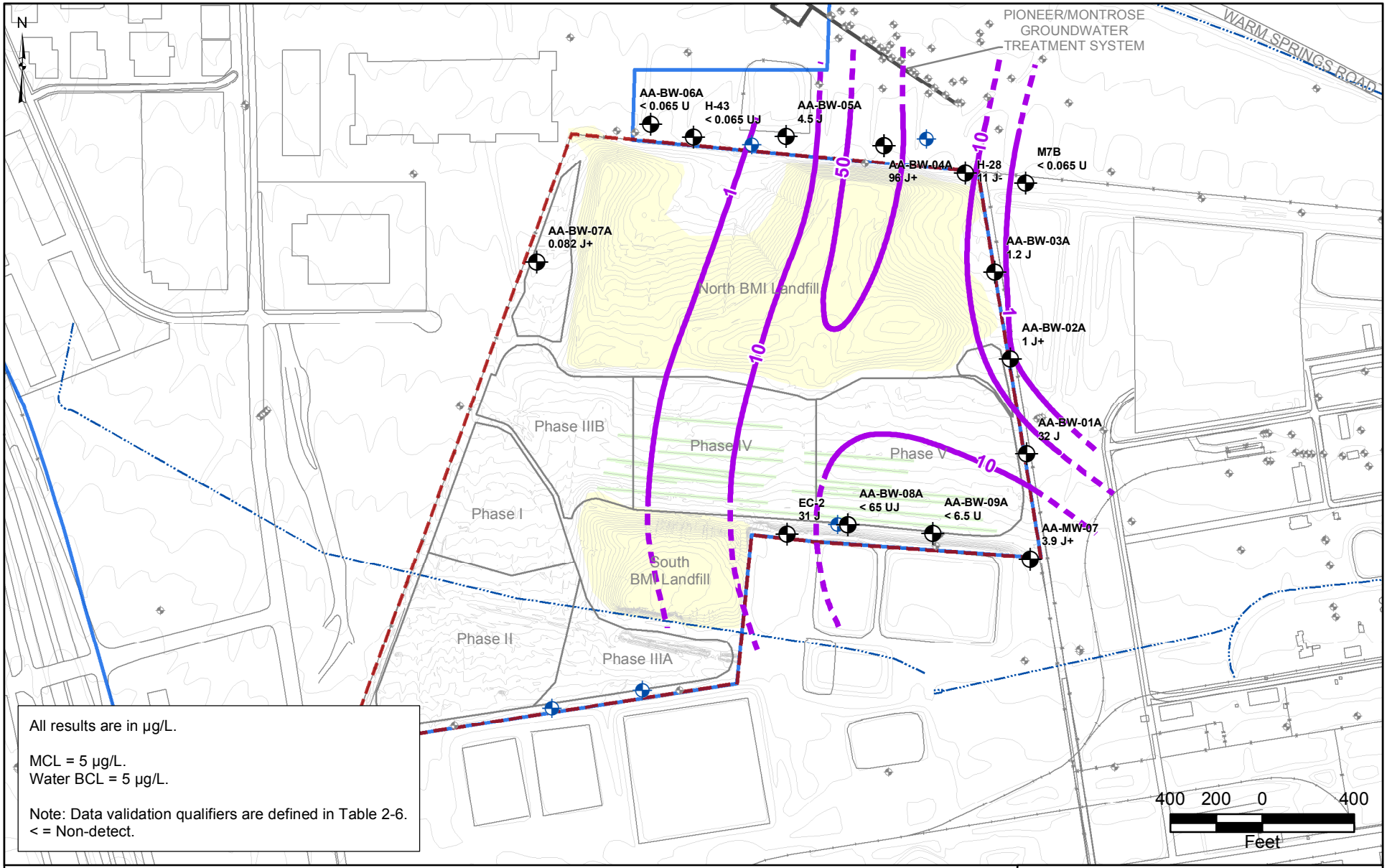
FIGURE F-3

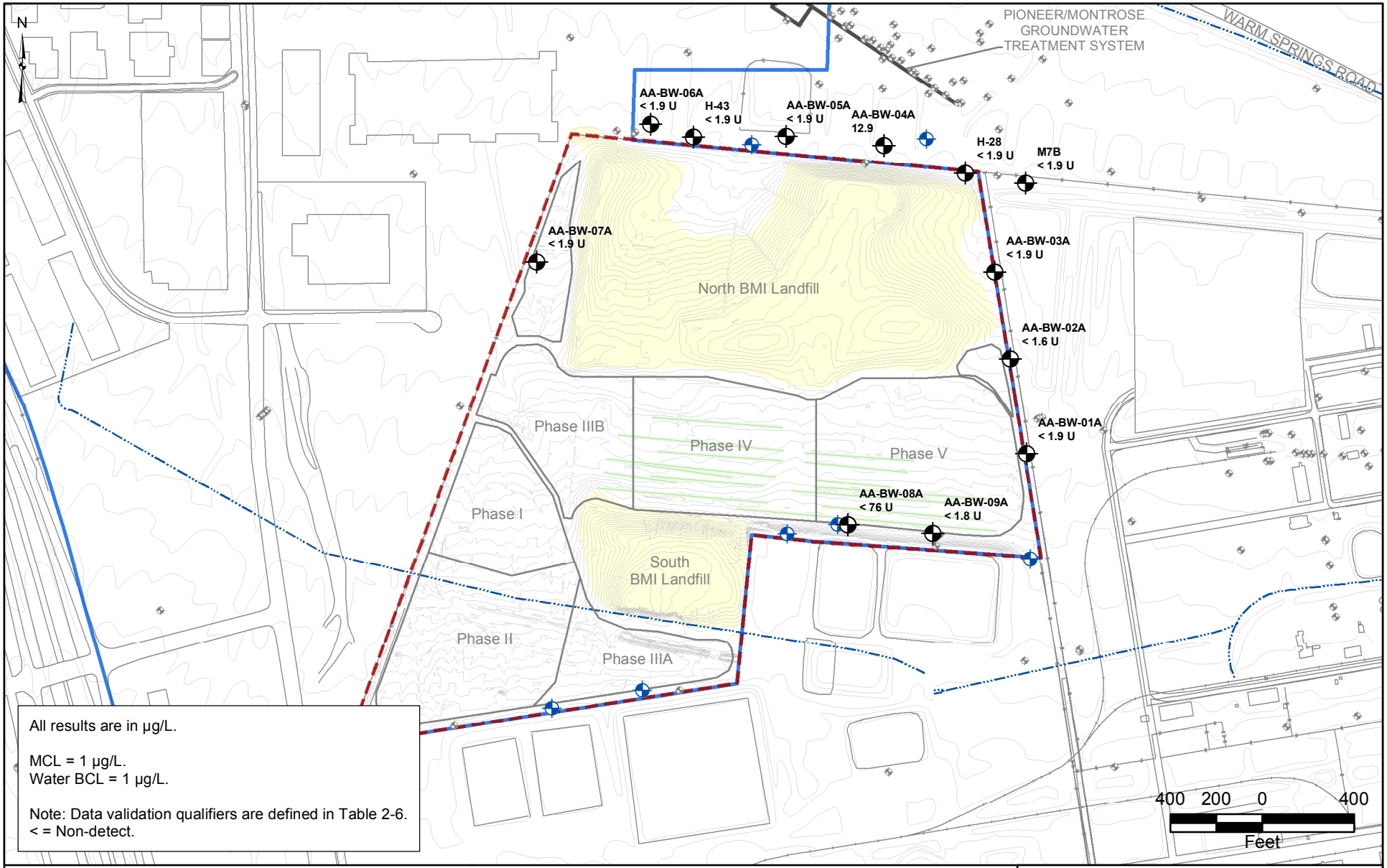
CHLOROFORM
IN SHALLOW WATER-
BEARING ZONE WELLS
2ND QUARTER 2009

Basic Remediation COMPANY

Prepared by MKJ (ERM) | ERM | Date 09/24/09 | JOB No. 0074742 | FILE: GIS/BRC/CAMU_GMR/FIGURES.MXD


N
PIONEER/MONTROSE
GROUNDWATER
TREATMENT SYSTEM
WARM SPRINGS ROAD
AA-BW-06A
120
H-43
1500
AA-BW-05A
320
H-28
9.1 J+
M7B
0.51 J
AA-BW-04A
1300 J+
AA-BW-07A
1.4
AA-BW-03A
41 J
North BMI Landfill
AA-BW-02A
20 J+
Phase IIIB
Phase IV
Phase V
AA-BW-01A
330
Phase I
EC-2
1200
AA-BW-09A
130
AA-MW-07
440
AA-BW-08A
3900 J-
South
BMI Landfill
Phase II
Phase IIIA
1,000
100
300
3,000
400 200 0 400
Feet
All results are in µg/L.
MCL = 75 µg/L.
Water BCL = 75 µg/L.
Note: Data validation qualifiers are defined in Table 2-6.
< = Non-detect.
CAMU Site
Site Groundwater Boundary
Slit Trenches
Other Monitoring Wells
CAMU Monitoring Program Wells*
CAMU Monitoring Wells with Data
Concentration Contour
(dashed where inferred)
*Data not received from the Companies for these wells.
Corrective Action Management Unit (CAMU)
BMI Complex, Henderson, Nevada
FIGURE F-4
1,4-DICHLOROBENZENE
IN SHALLOW WATER-
BEARING ZONE WELLS
2ND QUARTER 2009
Basic Remediation
COMPANY
Prepared by
MKJ (ERM)
ERM
Date
09/24/09
JOB No. 0074742
FILE: GIS/BRC/CAMU_GMR/FIGURES.MXD


N
PIONEER/MONTROSE
GROUNDWATER
TREATMENT SYSTEM
WARM SPRINGS ROAD
AA-BW-06A
< 0.065 U
H-43
< 0.065 UJ
AA-BW-05A
4.5 J
AA-BW-04A
96 J+
H-28
11 J-
M7B
< 0.065 U
AA-BW-07A
0.082 J+
AA-BW-03A
1.2 J
AA-BW-02A
1 J+
AA-BW-01A
32 J
AA-MW-07
3.9 J+
EC-2
31 J
AA-BW-08A
< 65 UJ
AA-BW-09A
< 6.5 U
North BMI Landfill
South
BMI Landfill
Phase IIIB
Phase IV
Phase V
Phase I
Phase II
Phase IIIA
1
10
50
400 200 0 400
Feet
All results are in µg/L.
MCL = 5 µg/L.
Water BCL = 5 µg/L.
Note: Data validation qualifiers are defined in Table 2-6.
< = Non-detect.
CAMU Site
Site Groundwater Boundary
Slit Trenches
Other Monitoring Wells
CAMU Monitoring Program Wells*
CAMU Monitoring Wells with Data
Concentration Contour
(dashed where inferred)
*Data not received from the Companies for these wells.
Corrective Action Management Unit (CAMU)
BMI Complex, Henderson, Nevada
FIGURE F-5
TETRACHLOROETHENE
IN SHALLOW WATER-
BEARING ZONE WELLS
2ND QUARTER 2009
Basic Remediation
COMPANY
Prepared by
MKJ (ERM)
ERM
Date
09/24/09
JOB No. 0074742
FILE: GIS/BRC/CAMU_GMR/FIGURES.MXD



All results are in µg/L.

MCL = 1 µg/L.
Water BCL = 1 µg/L.

Note: Data validation qualifiers are defined in Table 2-6.
< = Non-detect.

CAMU Site

Site Groundwater Boundary

Slit Trenches

Other Monitoring Wells

CAMU Monitoring Program Wells*

CAMU Monitoring Wells with Data

Concentration Contour
(dashed where inferred)

*Data not received from the Companies for these wells.

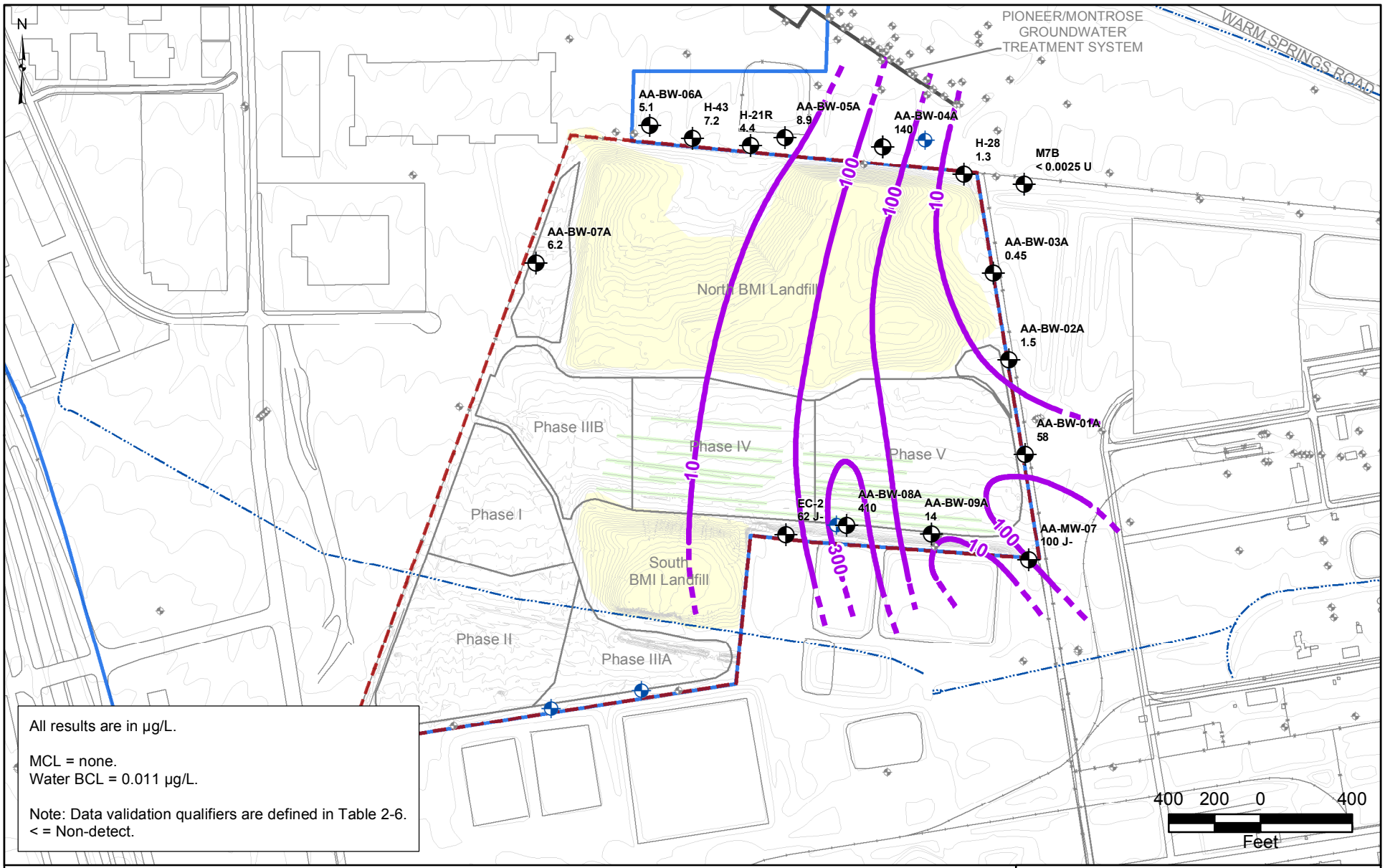
Corrective Action Management Unit (CAMU)
BMI Complex, Henderson, Nevada

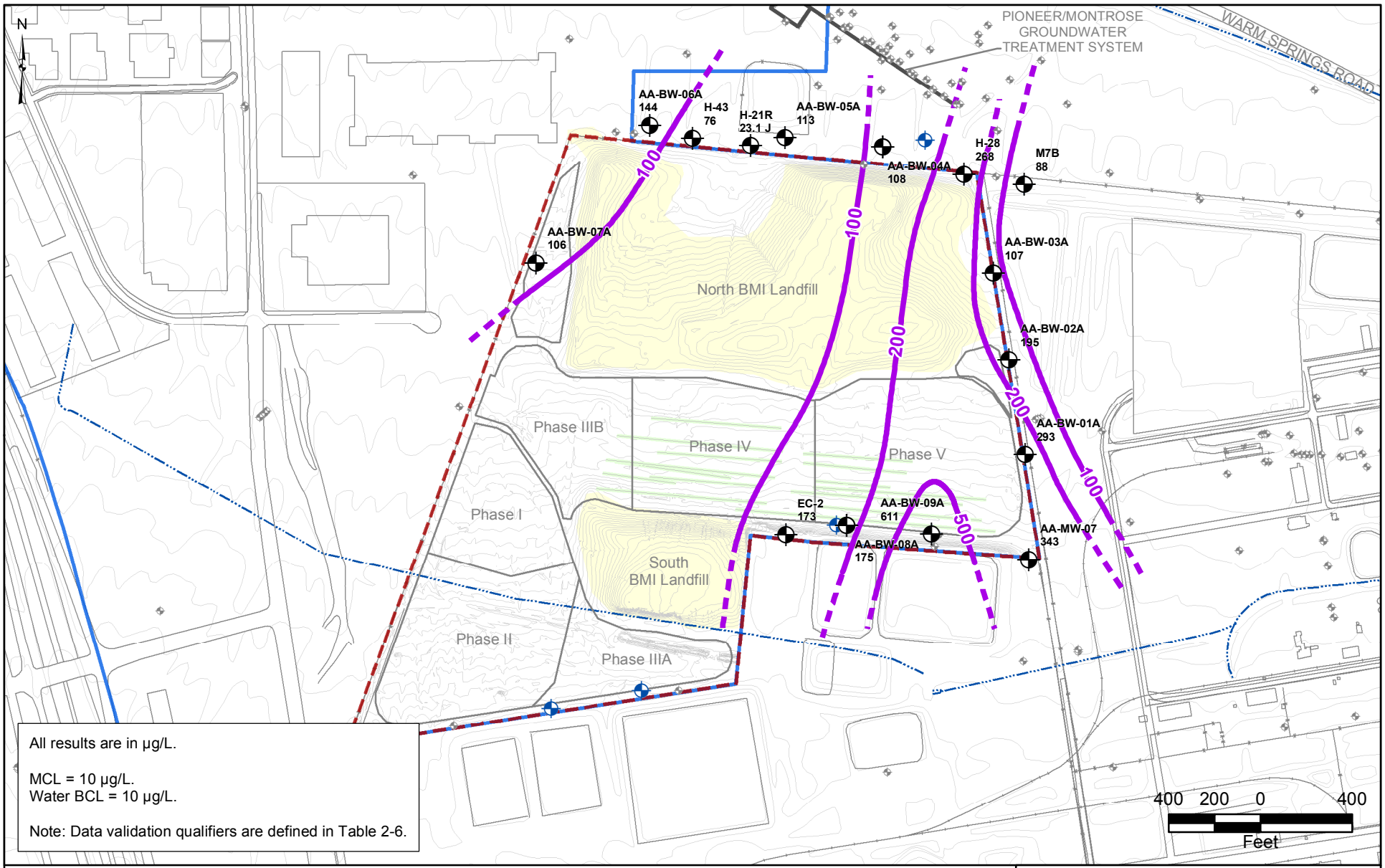
FIGURE F-6

PENTACHLOROPHENOL
IN SHALLOW WATER-
BEARING ZONE WELLS
2ND QUARTER 2009

Basic Remediation COMPANY

Prepared by MKJ (ERM) | Date 09/24/09 | JOB No. 0074742 | FILE: GIS/BRC/CAMU_GMR/FIGURES.MXD


N
PIONEER/MONTROSE
GROUNDWATER
TREATMENT SYSTEM
WARM SPRINGS ROAD
AA-BW-06A
5.1
H-43
7.2
H-21R
4.4
AA-BW-05A
8.9
AA-BW-04A
140
H-28
1.3
M7B
< 0.0025 U
AA-BW-07A
6.2
AA-BW-03A
0.45
AA-BW-02A
1.5
AA-BW-01A
58
AA-MW-07
100 J-
EC-2
62 J-
AA-BW-08A
410
AA-BW-09A
14
100
10
300
North BMI Landfill
South
BMI Landfill
Phase I
Phase II
Phase IIIA
Phase IIIB
Phase IV
Phase V
All results are in µg/L.
MCL = none.
Water BCL = 0.011 µg/L.
Note: Data validation qualifiers are defined in Table 2-6.
< = Non-detect.
400 200 0 400
Feet
CAMU Site
Site Groundwater Boundary
Slit Trenches
Other Monitoring Wells
CAMU Monitoring Program Wells*
CAMU Monitoring Wells with Data
Concentration Contour
(dashed where inferred)
*Data not received from the Companies for these wells.
Corrective Action Management Unit (CAMU)
BMI Complex, Henderson, Nevada
FIGURE F-7
alpha-BHC
IN SHALLOW WATER-
BEARING ZONE WELLS
2ND QUARTER 2009
Basic Remediation
COMPANY
Prepared by
MKJ (ERM)
ERM
Date
09/24/09
JOB No. 0074742
FILE: GIS/BRC/CAMU_GMR/FIGURES.MXD



All results are in µg/L.

MCL = 10 µg/L.
Water BCL = 10 µg/L.

Note: Data validation qualifiers are defined in Table 2-6.

CAMU Site

Site Groundwater Boundary

Slit Trenches

Other Monitoring Wells

CAMU Monitoring Program Wells*

CAMU Monitoring Wells with Data

Concentration Contour
(dashed where inferred)

*Data not received from the Companies for these wells.

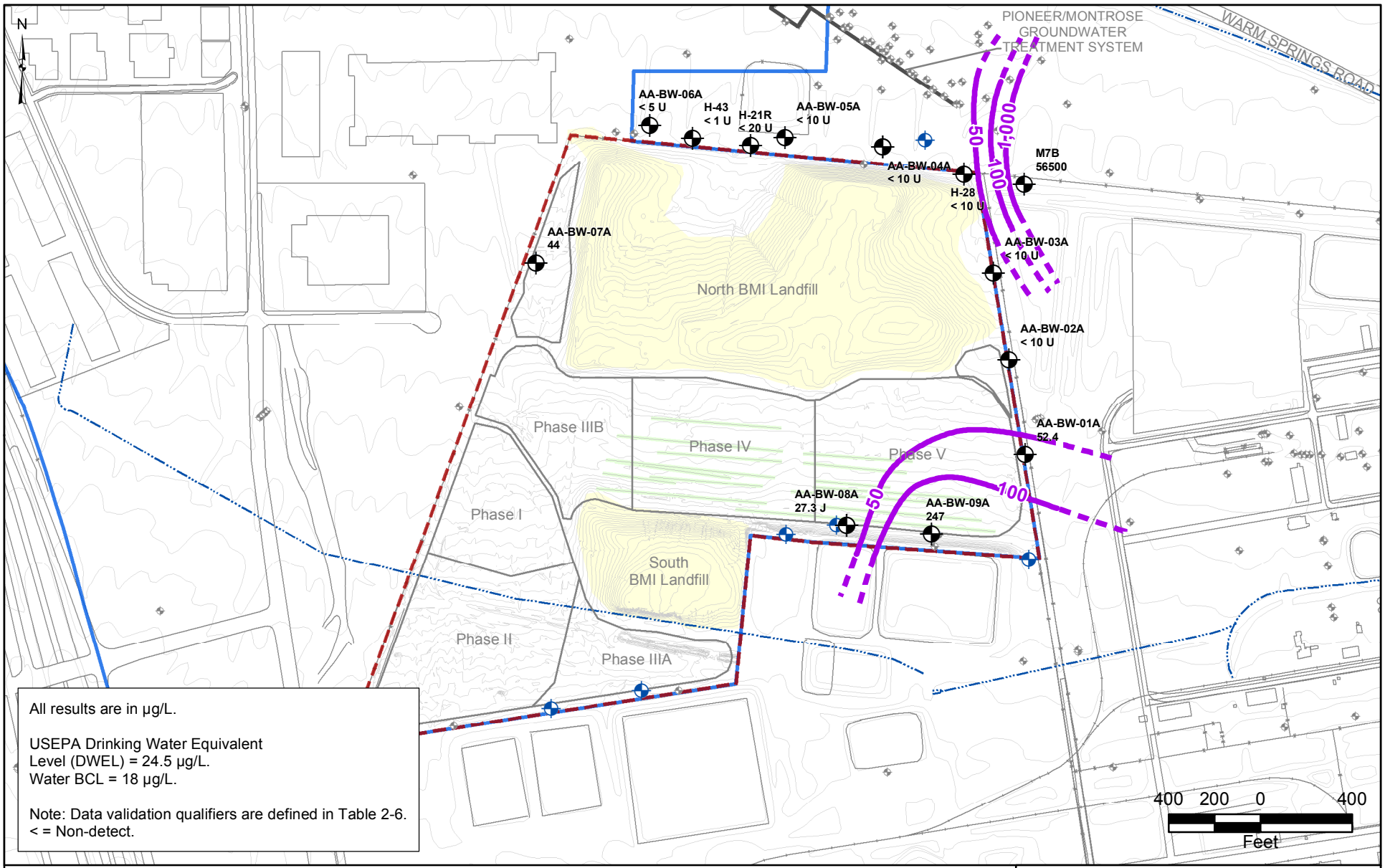
Corrective Action Management Unit (CAMU)
BMI Complex, Henderson, Nevada

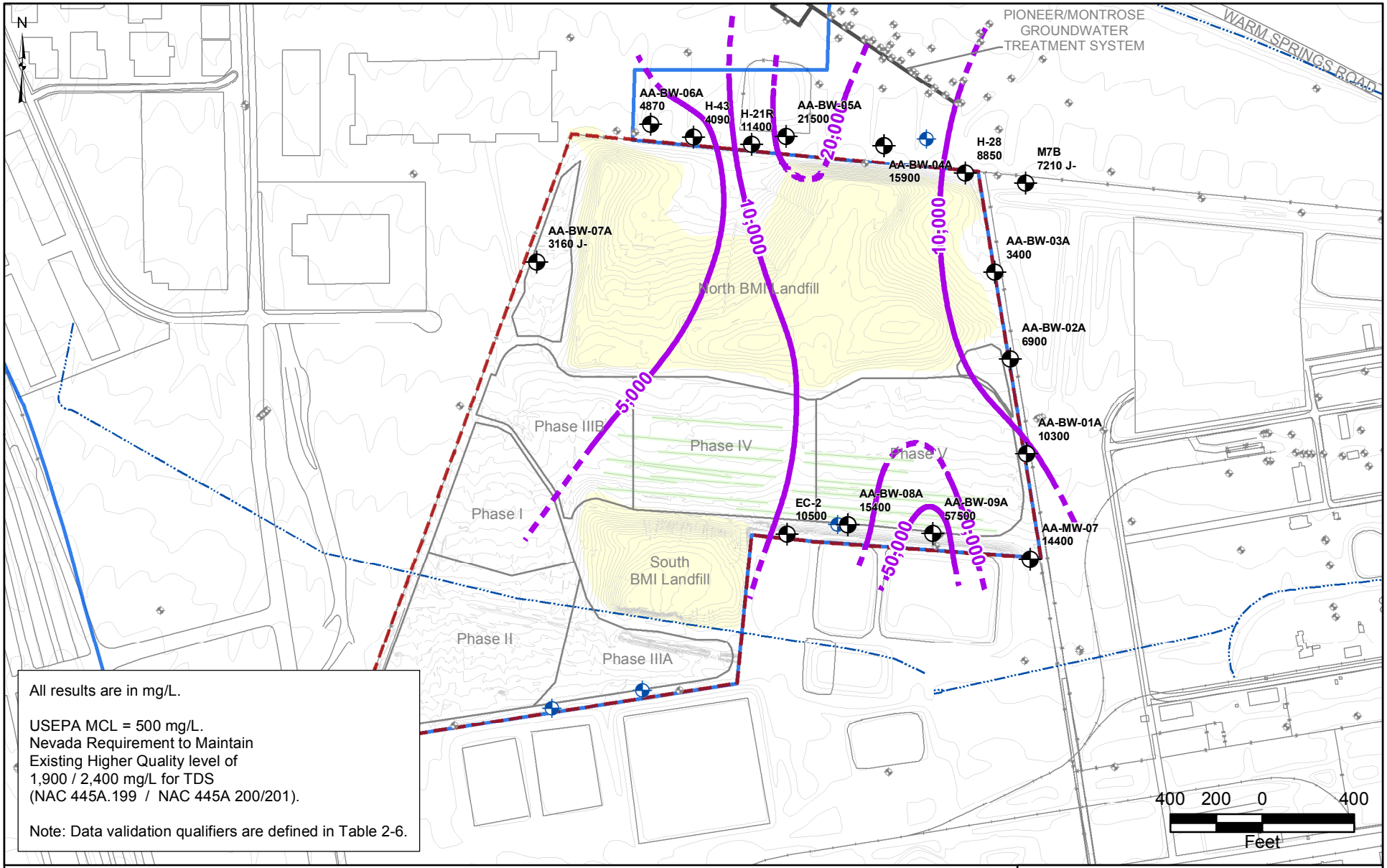
FIGURE F-8

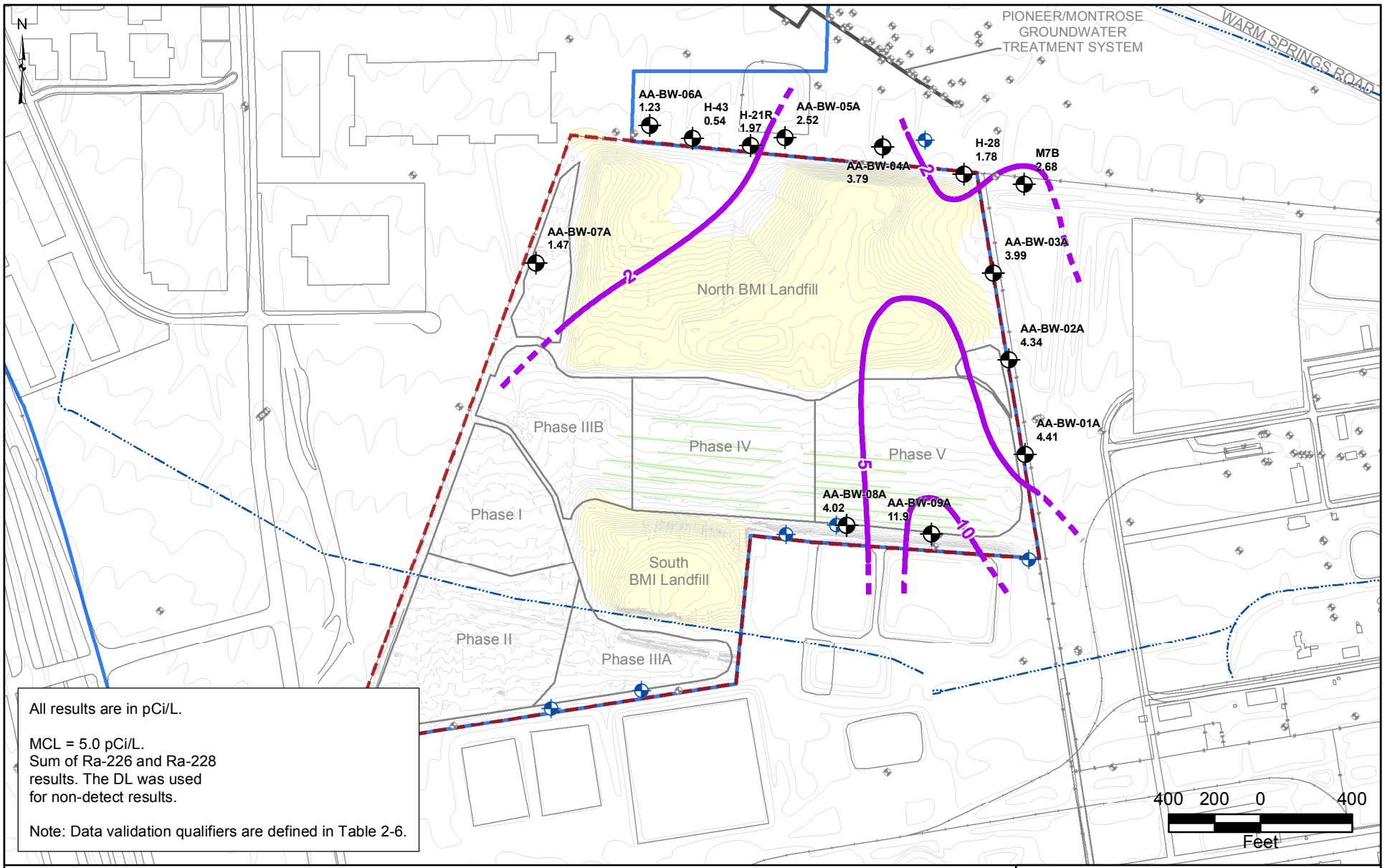
ARSENIC
IN SHALLOW WATER-
BEARING ZONE WELLS
2ND QUARTER 2009

Basic Remediation Company

Prepared by MKJ (ERM) | Date 09/24/09 | JOB No. 0074742 | FILE: GIS/BRC/CAMU_GMR/FIGURES.MXD


N
PIONEER/MONTROSE
GROUNDWATER
TREATMENT SYSTEM
WARM SPRINGS ROAD
AA-BW-06A
< 5 U
H-43
< 1 U
H-21R
< 20 U
AA-BW-05A
< 10 U
AA-BW-04A
< 10 U
H-28
< 10 U
M7B
56500
AA-BW-07A
44
AA-BW-03A
< 10 U
AA-BW-02A
< 10 U
AA-BW-01A
52.4
AA-BW-08A
27.3 J
AA-BW-09A
247
50
100
1,000
North BMI Landfill
Phase IIIB
Phase IV
Phase V
Phase I
South
BMI Landfill
Phase II
Phase IIIA
400 200 0 400
Feet
All results are in µg/L.
USEPA Drinking Water Equivalent Level (DWEL) = 24.5 µg/L.
Water BCL = 18 µg/L.
Note: Data validation qualifiers are defined in Table 2-6.
< = Non-detect.
CAMU Site
Site Groundwater Boundary
Slit Trenches
Other Monitoring Wells
CAMU Monitoring Program Wells*
CAMU Monitoring Wells with Data
Concentration Contour
(dashed where inferred)
*Data not received from the Companies for these wells.
Corrective Action Management Unit (CAMU)
BMI Complex, Henderson, Nevada
FIGURE F-9
PERCHLORATE
IN SHALLOW WATER-
BEARING ZONE WELLS
2ND QUARTER 2009
Basic Remediation COMPANY
Prepared by
MKJ (ERM)
ERM
Date
09/24/09
JOB No. 0074742
FILE: GIS/BRC/CAMU_GMR/FIGURES.MXD


N
PIONEER/MONTROSE
GROUNDWATER
TREATMENT SYSTEM
WARM SPRINGS ROAD
AA-BW-06A
4870
H-43
4090
H-21R
11400
AA-BW-05A
21500
H-28
8850
M7B
7210 J-
AA-BW-04A
15900
AA-BW-07A
3160 J-
AA-BW-03A
3400
AA-BW-02A
6900
AA-BW-01A
10300
AA-BW-08A
15400
AA-BW-09A
57500
EC-2
10500
AA-MW-07
14400
20;000
10;000
10;000
5;000
50;000
10;000
North BMI Landfill
South
BMI Landfill
Phase IIIB
Phase IV
Phase V
Phase I
Phase II
Phase IIIA
All results are in mg/L.
USEPA MCL = 500 mg/L.
Nevada Requirement to Maintain
Existing Higher Quality level of
1,900 / 2,400 mg/L for TDS
(NAC 445A.199 / NAC 445A 200/201).
Note: Data validation qualifiers are defined in Table 2-6.
400 200 0 400
Feet
CAMU Site
Site Groundwater Boundary
Slit Trenches
Other Monitoring Wells
CAMU Monitoring Program Wells*
CAMU Monitoring Wells with Data
Concentration Contour
(dashed where inferred)
*Data not received from the Companies for these wells.
Corrective Action Management Unit (CAMU)
BMI Complex, Henderson, Nevada
FIGURE F-10
TOTAL DISSOLVED SOLIDS
IN SHALLOW WATER-
BEARING ZONE WELLS
2ND QUARTER 2009
Basic Remediation
COMPANY
Prepared by
MKJ (ERM)
ERM
Date
09/24/09
JOB No. 0074742
FILE: GIS/BRC/CAMU_GMR/FIGURES.MXD



All results are in pCi/L.

MCL = 5.0 pCi/L.
Sum of Ra-226 and Ra-228
results. The DL was used
for non-detect results.

Note: Data validation qualifiers are defined in Table 2-6.

CAMU Site

Site Groundwater Boundary

Slit Trenches

Other Monitoring Wells

CAMU Monitoring Program Wells*

CAMU Monitoring Wells with Data

Concentration Contour
(dashed where inferred)

*Data not received from the Companies for these wells.

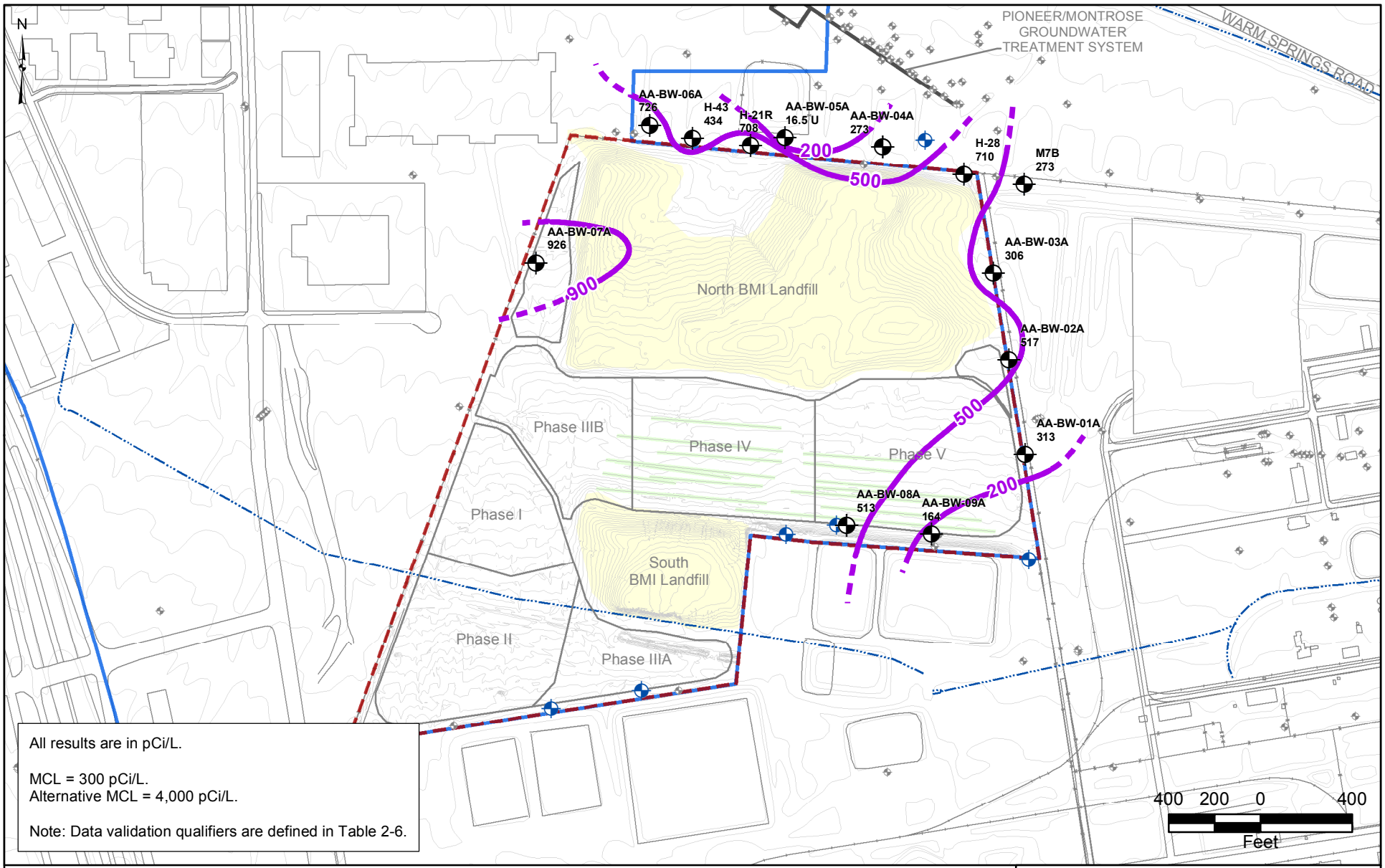
Corrective Action Management Unit (CAMU)
BMI Complex, Henderson, Nevada

FIGURE F-11

RADIUM-226/228
IN SHALLOW WATER-
BEARING ZONE WELLS
2ND QUARTER 2009

Basic Remediation COMPANY

Prepared by MKJ (ERM) | ERM | Date 09/24/09 | JOB No. 0074742 | FILE: GIS/BRC/CAMU_GMR/FIGURES.MXD


N
PIONEER/MONTROSE
GROUNDWATER
TREATMENT SYSTEM
WARM SPRINGS ROAD
AA-BW-06A
726
H-43
434
H-21R
708
AA-BW-05A
16.5 U
AA-BW-04A
273
H-28
710
M7B
273
AA-BW-07A
926
AA-BW-03A
306
AA-BW-02A
517
AA-BW-01A
313
AA-BW-08A
513
AA-BW-09A
164
200
500
900
500
200
North BMI Landfill
Phase IIIB
Phase IV
Phase V
Phase I
South
BMI Landfill
Phase II
Phase IIIA
400 200 0 400
Feet
All results are in pCi/L.
MCL = 300 pCi/L.
Alternative MCL = 4,000 pCi/L.
Note: Data validation qualifiers are defined in Table 2-6.
CAMU Site
Site Groundwater Boundary
Slit Trenches
Other Monitoring Wells
CAMU Monitoring Program Wells*
CAMU Monitoring Wells with Data
Concentration Contour
(dashed where inferred)
*Data not received from the Companies for these wells.
Corrective Action Management Unit (CAMU)
BMI Complex, Henderson, Nevada
FIGURE F-12
RADON-222
IN SHALLOW WATER-
BEARING ZONE WELLS
2ND QUARTER 2009
Basic Remediation
COMPANY
Prepared by
MKJ (ERM)
ERM
Date
09/24/09
JOB No. 0074742
FILE: GIS/BRC/CAMU_GMR/FIGURES.MXD