BOHANNON

David D. Bohannon Organization
Sixty 31st Avenue
San Mateo, CA 94403-3404

T 650.345.8222
F 650.573.5457
W ddbo.com

July 27, 2012

RECEIVED

11:12 am, Aug 03, 2012

Alameda County
Environmental Health

Mr. Mark E. Detterman, P.G., CEG
Hazardous Materials Specialist
Alameda County Health Care Services Agency
Department of Environmental Health
1131 Harbor Bay Parkway
Alameda, California 94502

Re: Second Quarter 2012 (Semi-Annual) Groundwater Monitoring Report –
Former Petroleum Underground Storage Tank (UST)
David D. Bohannon Organization Property Located at
575 Paseo Grande - San Lorenzo, CA

Dear Mr. Detterman:

Enclosed for your review is the *Second Quarter 2012 (Semi-Annual) Groundwater Monitoring Report* (Semi-Annual Report) prepared by Stantec Consulting Services Inc. (Stantec) on behalf of David D. Bohannon Organization (Bohannon). The Semi-Annual Report summarizes recent groundwater monitoring and sampling conducted by Stantec at 575 Paseo Grande in San Lorenzo, California (the Site). Semi-annual groundwater monitoring and reporting is being conducted by Stantec pursuant to the Alameda County Environmental Health (ACEH) letter to Bohannon dated November 28, 2011.

The next semi-annual sampling event will take place in November 2012. Bohannon will submit a second semi-annual groundwater monitoring report following the November 2012 sampling event.

I declare, under penalty of perjury, that the information and/or recommendations contained in the attached document or report is true and correct to the best of my knowledge. If you have any questions regarding the enclosed Semi-Annual Report, please contact me at (650) 345-8222.

Sincerely,

Scott E. Bohannon, Senior Vice President

cc: Mr. Chris Maxwell, Stantec Consulting Services Inc.
Mr. Andrew A. Bassak, Manatt, Phelps, and Phillips LLP

SECOND QUARTER 2012 (SEMI-ANNUAL) GROUNDWATER MONITORING REPORT
David D. Bohannon Organization

575 Paseo Grande
San Lorenzo, California
PN: 185702534

July 27, 2012

Limitations and Certifications

This report was prepared in accordance with the scope of work outlined in Stantec's contract and with generally accepted professional engineering and environmental consulting practices existing at the time this report was prepared and applicable to the location of the site. It was prepared for the exclusive use of David D. Bohannon Organization for the express purpose stated above. Any re-use of this report for a different purpose or by others not identified above shall be at the user's sole risk without liability to Stantec. To the extent that this report is based on information provided to Stantec by third parties, Stantec may have made efforts to verify this third party information, but Stantec cannot guarantee the completeness or accuracy of this information. The opinions expressed and data collected are based on the conditions of the site existing at the time of the field investigation. No other warranties, expressed or implied are made by Stantec.

Prepared by:

Mason Albrecht, P.E. #C78130
Engineering Associate

Reviewed by:

Chris Maxwell, P.G.
Principal Geologist

Information, conclusions, and recommendations provided by Stantec in this document have been prepared under the supervision of and reviewed by the licensed professional whose signature appears below.

Licensed Reviewer:

Chris Maxwell, P.G. #7269
Principal Geologist

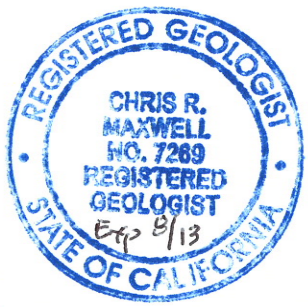


Table of Contents

List of Attachments

LIST OF TABLES

LIST OF FIGURES

Note: Tables and Figures appear at end of report.

LIST OF APPENDICES

1.0 Introduction

Stantec Consulting Services Inc. (Stantec; formerly SECOR) presents this groundwater monitoring report for the second quarter of 2012 which describes results of semi-annual groundwater monitoring, sampling, and analysis conducted on May 3, 2012, May 4, 2012, and June 8, 2012 for the property located at 575 Paseo Grande, San Lorenzo, California (Site), Figure 1. This sampling event was conducted by Stantec pursuant to a letter from Alameda County Environmental Health (ACEH) to David D. Bohannon Organization (Bohannon), dated November 28, 2011, requesting additional groundwater monitoring in support of Site closure. A second semi-annual groundwater monitoring event will be conducted in November 2012. The previous groundwater monitoring and sampling was conducted in January 2010. The scope of work included measuring the depth to water in groundwater monitoring wells MW-1 through MW-7 and observation wells POBS-A1, POBS-B1, POBS-B2, and NOBS-B1 (Figure 2), and collecting groundwater samples for analysis of total petroleum hydrocarbons as gasoline (TPH-g) and benzene, toluene, ethylbenzene, and total xylenes, (collectively BTEX).

1.1 BACKGROUND

Over the last 25 years, the Site has been used as an asphalt-paved parking area located in a C1 commercial zone. The Site was a gasoline station prior to 1969. Little information is known about the Site history related to its use as a gasoline service station. In anticipation of property redevelopment, initial investigation activities were conducted in March 1995 to determine if former underground service station equipment remained on-site. The work was conducted by Twining Laboratories, Inc. as documented in their letter report dated April 15, 1995. The investigation included a magnetometer survey followed by an exploratory excavation. In summary, the work conducted identified underground gasoline service station equipment which included what appeared to be the former tank pit, approximately 110 feet of fuel delivery system piping, and a grease sump and/or hydraulic lift pit in an area which may have been the former service garage. Field evidence and one soil sample indicated the potential for soil contamination along the piping runs, around the grease sump, and around the inferred location of the former tank pit. Characterization of the magnitude and extent of potential soil contamination were not performed during the initial activities.

In June 1995, Stantec conducted additional activities at the Site which included removal of the former underground storage tank (UST) system piping and the former grease sump, and characterization soil sampling along the pipelines and around the former grease sump and former tank pit areas. This work was summarized in Stantec's letter report to the County dated June 29, 1995. The characterization data from this investigation indicated that there were two areas of concern at the Site: 1) the former grease sump area; and 2) the former gasoline distribution system area. Stantec subsequently conducted excavation activities in these two areas. The soil excavated from the former sump area was transported off-Site for disposal. The soil generated from the UST excavation was treated by means of aeration and later transported off-Site for disposal. Three groundwater monitoring wells (MW-1, MW-2, and MW-3)

were installed during the investigation activities to evaluate the degree to which the groundwater had been affected. The results of the soil characterization and groundwater monitoring activities are reported in Stantec's documents entitled, *"Report of Interim Remedial Actions,"* dated June 4, 1994, and *"Fourth Quarter 1996 Monitoring and Sampling Report,"* dated November 26, 1996. Monitoring well locations are illustrated in Figure 2.

In June 1999, a utility trench survey was conducted around the Site, and a passive soil vapor survey was performed downgradient from the Site. The results of the utility trench and passive soil vapor surveys are documented in Stantec's document entitled, *"Third Quarter Groundwater Monitoring Results and Plume Definition Report,"* dated October 21, 1999.

On December 5, 2000, four additional groundwater monitoring wells (MW-4 through MW-7) were installed at the Site. Soil and groundwater sampling was conducted to evaluate possible off-Site migration of petroleum-related constituents originating from the Site, and to collect data to direct further subsurface investigations and/or remediation at the Site, if necessary. The work was conducted in general accordance with Stantec's documents entitled, *"Work Plan for Additional Groundwater Monitoring Well Installation,"* dated October 22, 1999, and *"Addendum to the Work Plan for Additional Groundwater Monitoring Well Installation,"* dated December 2, 1999. The Work Plan was approved with comments in correspondence from the County in a letter dated November 4, 1999. Historically, two of the on-site wells (MW-2 and MW-3) and one well immediately downgradient to the west (MW-4) contain elevated concentrations of petroleum hydrocarbons. Wells further off-Site to the west (MW-6 and MW-7) and south (MW-5) typically do not contain detectable levels of petroleum hydrocarbons, with exception of MW-7, which reported low concentrations of total xylenes (up to 6.7 micrograms per liter [µg/L]) in the first two sampling events (December 2000 and February 2001). The well has since been non-detect for all constituents.

In January 2003, Stantec performed an additional limited subsurface investigation as described in the document entitled, *"Remedial Action Work Plan,"* dated October 25, 2002, and submitted to the County. The Work Plan was approved by the County in a letter dated October 28, 2002. Based on field observations, soil boring logs, and laboratory analytical results, Stantec concluded that: 1) perched groundwater was encountered within fill materials at approximately 5 to 8 feet below ground surface (ft-bgs); 2) water-bearing zones were encountered in silt and sand at depths of 13- to -15 ft-bgs (A zone), in sand from 16-to -19 ft-bgs (B zone), and in silty sand at 22.5 ft-bgs (C zone); and 3) soil sample analytical results suggest that the majority of chemical impact exists in silty clay from approximately 8-to -13.5 ft-bgs within and adjacent to the former gasoline UST and pump island excavation. The findings of the investigation were presented in the document entitled, *"Limited Subsurface Investigation Report and Work Plan for Additional Soil and Groundwater Assessment,"* dated February 19, 2003, and prepared by Stantec.

At the request of the County, a sensitive receptor survey was performed for the Site. The survey consisted of identifying the locations and depths of subsurface utilities near the Site and reviewing data provided by the California Department of Water Resources (DWR) for potential groundwater production

wells. The survey results are presented in Stantec's document entitled, *"Third Quarter 1999 Groundwater Monitoring Results and Plume Definition Report,"* dated October 21, 1999. The report indicates that no groundwater production wells are likely to be affected by hydrocarbons in the soil and groundwater at the Site.

Chemical Injection and Dual-Phase Extraction (DPE) Pilot Testing

The October 2002 *Remedial Action Workplan* (RAW) proposed nitrate injections to stimulate biological degradation of hydrocarbons in the groundwater. Based on the data collected in January 2003, additional remediation of soil was also recommended. An addendum to the RAW was submitted by Stantec in December 2003 proposing hydrogen peroxide injections for chemical oxidation of soils in addition to nitrate injections. The RAW addendum was approved by the County in a letter to Bohannon dated December 15, 2003.

In May 2004, EFI Global began the pilot groundwater remediation program. Four wells were installed on-site for the purposes of injecting nitrate solution into groundwater upgradient of well MW-4 (NIW-A1, NIW-A2, NIW-B1, and NIW-B2). Eight wells were installed on-site for injection of peroxide solution into soil and groundwater upgradient of well MW-3 (PIW-A1 to PIW-A4 and PIW-B1 to PIW-B4). Four wells were installed to observe the effects of the injection program (NOBS-B1, POBS-A1, POBS-B1, and POBS-B2). Injection and observation well installations were completed during May 2004 in accordance with the approved RAW, and initial chemical injections were completed during May/June 2004. Soil boring logs for these wells are provided in Appendix A of the 2007 Progress Report. The well installation activities were described in the document entitled, *"1st Semester 2004 Semi-Annual Groundwater Monitoring Report,"* prepared by EFI Global (EFI Global, 2004).

Additional injections were completed in July 2004 (Phase Two) and October 2004 (Phase Three). Progress groundwater sampling for Phases Two and Three were conducted in August 2004 and December 2004, respectively. Following Phase Three injections, EFI Global conducted a single-day DPE test (February 2005) and a five-day DPE test (April 2005) in the area of the former gasoline UST. The results of the Phase Three progress sampling (December 2004) and single-day DPE test (February 2005) are reported in the document entitled, *"Semi-Annual (Second Half 2004) Groundwater Monitoring and Pilot Remedial Progress Report,"* (EFI Global, April 2005).

Site-wide groundwater monitoring was conducted in May 2005. In June 2005, Stantec advanced 14 soil borings at locations intended to provide additional delineation of the target area for full-scale DPE system implementation. Stantec obtained an operation permit from the BAAQMD in July 2005 and installed seven additional remediation wells in September 2005. Stantec conducted additional Site-wide groundwater monitoring during August 2006. The results of the five-day DPE test (April 2005) and subsequent groundwater monitoring activities are presented in the 2007 Progress Report (Stantec, 2007).

Full-Scale DPE Operations and Remedial Progress Sampling

During December 2008, additional DPE system infrastructure was added and full-scale DPE system operation commenced during January/February 2009. Full-scale DPE operations consisted of soil vapor and groundwater extraction and treatment from eleven (11) Site extraction wells and former chemical injection wells. Full-scale DPE operated through December 2009 at which point remedial progress groundwater monitoring was conducted during January 2010. DPE system operations and results of remedial progress groundwater monitoring are described in the Report of Dual-Phase Extraction System Operations, Soil Vapor Sampling, and Risk Analysis (DPE Report; Stantec, 2011). The results of groundwater monitoring and DPE system performance data indicated that the DPE system significantly reduced concentrations of TPHg and BTEX in monitoring wells downgradient of the Site below historical concentrations and to near the laboratory reporting limit concentrations in monitoring wells immediately downgradient of the former UST on-site. DPE system treatment equipment was removed from the Site in December 2009; however, all wells used for extraction and aboveground conveyance piping remain on-site.

Soil vapor sample well installation and subsequent soil vapor sampling was conducted at four locations on-site during March and April 2011. The purpose of the soil vapor sampling was to evaluate the potential for vapors associated with residual petroleum hydrocarbons in soil and/or groundwater to be present at concentrations that could pose a risk to conceptual future occupants of a Site building (if the Site was to be redeveloped with commercial and/or residential structures). Results from the soil vapor sampling indicated that concentrations of petroleum hydrocarbons present in shallow soil vapor at the Site were below available screening criteria such as California Environmental Protection Agency California Human Health Screening Levels (CHHSLs) and Environmental Screening Levels (ESLs) published by the California Regional Water Quality Control Board, San Francisco Bay Region (RWQCB). A Site-specific vapor intrusion risk analysis was performed using the Johnson & Ettinger (J&E) model and the concentrations of all chemicals detected in soil vapor at the Site were inputted into the model. The J&E model results indicated that residual concentrations of chemicals in shallow soil vapor at the Site do not pose a risk to human health considering commercial/industrial or residential land uses. A detailed description of soil vapor sampling and results of the risk analysis are included in the DPE Report (Stantec, 2011).

2.0 Groundwater Monitoring

Site-wide groundwater monitoring and sampling was performed on May 3, 2012 and May 4, 2012, and consisted of sounding wells for depth-to-water and sampling wells MW-1 through MW-7, POBS-A1, POBS-B1, POBS-B2, and NOBS-B1. Additional monitoring and sampling was performed at MW-4 on June 8, 2012. Well gauging data is reported on Table 2. Field data sheets are provided in Appendix A. Laboratory analytical data is reported on Table 3 and included in Appendix B. The following summarizes the data collected by Stantec in May 2012.

2.1 WATER LEVEL GAUGING

Prior to purging and sampling, the depth-to-groundwater was measured from the top of each well casing using a water-level indicator graduated to 0.01 foot. Depth-to-groundwater measurements and surveyed wellhead top-of-casing elevations were used to calculate groundwater surface elevations in wells MW-1 through MW-7. Observation wells POBS-A1, POBS-B1, POBS-B2, and NOBS-B1 are remedial wells and have not been surveyed; the groundwater elevations in these wells were not calculated. Table 2 presents historical monitoring well groundwater elevation data for the Site.

The average depth-to-water measured at the Site on May 3, 2012 and May 4, 2012 was 5.50 feet below the top of well casing with an average water-table elevation of 20.44 feet above mean sea level (amsl). A potentiometric surface map illustrating the interpreted groundwater surface elevation and flow direction on May 3, 2012 and May 4, 2012, is presented as Figure 3. The hydraulic gradient across the Site was approximately 0.003 feet per foot (ft/ft) toward the west-southwest. The groundwater elevation in monitoring well MW-3 is not consistent with other Site groundwater elevations and was not used to plot the potentiometric surface or to calculate the hydraulic gradient. The depth-to-water in MW-4 was also measured on June 8, 2012 and was 5.87 feet amsl. The groundwater elevation in MW-4 on June 8, 2012 was not used to plot the potentiometric surface or to calculate the hydraulic gradient for the Site-wide sampling event on May 3, 2012 and May 4, 2012.

2.2 GROUNDWATER SAMPLING

On May 3, 2012 and May 4, 2012, wells were purged and sampled using a low-flow purging method consisting of new dedicated tubing attached to a variable speed peristaltic pump set to extract groundwater at a rate of approximately 250 milliliters per minute (mL/min). Temperature, conductivity, pH, DO content, and ORP were monitored using a flow-through cell during purging to confirm stable water conditions prior to sampling. Prior to low-flow purging and sampling of MW-4 on June 8, 2012, approximately 10 gallons of groundwater was purged from the well using a stainless steel bailer. Copies of field data sheets are attached as Appendix A.

Samples were collected from each well using the dedicated tubing to eliminate the possibility of cross-contamination between wells. Samples were placed in laboratory-supplied sample containers, labeled, and stored on ice pending delivery to TestAmerica, a California state accredited lab located in Pleasanton, California. The groundwater samples were analyzed for TPHg by U.S. EPA Method 8015M and for BTEX by U.S. EPA Method 8260B.

2.2.1 Quality Assurance/Quality Control Procedures

Analytical data were evaluated for accuracy and precision based on field and laboratory quality assurance and quality control (QA/QC) performance.

Holding Times

The laboratory QA/QC includes checking adherence to holding times. Holding times are established by the U.S. EPA and refer to the maximum allowable time to pass between sample collection and analysis by the laboratory. All analyses were performed within the holding times specified by the U.S. EPA.

Control Spikes and Method Blanks

The laboratory control spike (LCS) and matrix spike (MS) recovery results, and method blank (MB) results were used to assess accuracy of the analytical data. The analytical program included seven LCSs, six LCS duplicates, one MS and MS duplicate pair, and three MBs. The spike recovery results were within the prescribed range of acceptable limits for analytical accuracy in all cases. The data are included in Appendix B.

3.0 Results

The following presents a discussion of results of the May 2012 and June 2012 groundwater monitoring conducted at the Site.

3.1 GROUNDWATER ANALYTICAL RESULTS

Petroleum hydrocarbon chemical data for the May 2012 and June 2012 events are shown in Table 3 and illustrated on Figure 4. Laboratory analytical reports are included in Appendix C. Historical concentration trends for TPHg and benzene in select groundwater monitoring wells including MW-1, MW-2, MW-3, MW-4, and POBS-A1 are included in Appendix C.

TPHg and BTEX concentrations continued to be below the laboratory method reporting limits (MRLs) in on-site well MW-1 and in off-Site monitoring wells MW-5, MW-6, and MW-7.

TPHg, benzene, and ethylbenzene results from on-site monitoring well MW-2 were slightly above the January 2010 sampling event. Concentrations of these compounds remain well below historical concentrations for MW-2. Toluene and xylenes were not detected above the MRLs during the May 2012 sampling of well MW-2.

Sample analytical results from monitoring well MW-4 suggest a localized rebound in petroleum hydrocarbon concentrations, most notably TPHg, since the January 2010 sampling event. The TPHg and benzene concentrations were 6,800 ug/L and 190 ug/L in May 2012, respectively. The concentrations of TPHg and benzene in MW-4 on June 8, 2012 were 3,400 ug/L and 83 ug/L, respectively.

As shown on Table 3, the concentrations of all petroleum hydrocarbons in well POBS-A1 decreased by an order of magnitude from the January 2010 sampling event. For example TPHg decreased from 7,300 ug/L to 540 ug/L, and benzene decreased from 1,100 ug/L to 110 ug/L. The concentrations of petroleum hydrocarbons in monitoring well MW-3, located approximately 14 feet downgradient of POBS-A1, were below laboratory MRLs.

4.0 Conclusions

In general, the results of the May 2012 and June 2012 groundwater monitoring events indicate stable trends in petroleum hydrocarbon concentrations in on- and off-site monitoring wells. The following presents a discussion of the most significant results:

- Concentrations of petroleum hydrocarbon constituents in off-Site and downgradient monitoring wells MW-5, MW-6, and MW-7 have been below laboratory MRLs for 10 years following the beginning of groundwater monitoring at these well locations in December 2000, and continue to be below laboratory MRLs. These results indicate that petroleum hydrocarbon constituents found in on-site groundwater have not significantly impacted off-Site groundwater.

- As indicated by the sample analytical results for well POBS-A1, the concentrations of TPHg and BTEX in groundwater within the former UST area have decreased an order of magnitude since the previous sampling event and significantly below historical concentrations. Furthermore, concentrations of TPHg and BTEX in groundwater in MW-3 and POBS-B2 located immediately downgradient of the former UST have reached near non-detect levels.

- Concentrations in monitoring well MW-4 increased from the previous sampling event in January 2010. The petroleum hydrocarbon concentrations in MW-4 will be monitored during the second semi-annual groundwater monitoring event to be conducted in November 2012.

- Concentrations of petroleum hydrocarbons in all other on- and off-site monitoring wells remain stable or near the laboratory MRLs.

TABLES

Second Quarter 2012 (Semi-Annual) Groundwater Monitoring Report
David D. Bohannon Organization
575 Paseo Grande
San Lorenzo, California
Stantec PN: 185702534
July 27, 2012

TABLE 1
Well Construction Details
David D. Bohannon Organization DPE System
575 Paseo Grande, San Lorenzo, CA

Well	Date Installed	Top of Casing Elevation (ft amsl)	Total Depth (feet)	Casing Diameter (inches)	Screen Slot Size (inches)	Screen Length (feet)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)
MW-1	NA	26.98	15	4	0.02	9	6	15
MW-2	NA	26.73	15	4	0.02	9	6	15
MW-3	NA	26.55	15	4	0.02	9	6	15
MW-4	10/2/2000	25.87	15	4	0.02	9	6	15
MW-5	10/2/2000	25.77	15	4	0.02	9	6	15
MW-6	10/2/2000	24.89	15	4	0.02	9	6	15
MW-7	10/2/2000	25.43	15	4	0.02	9	6	15
PIW-A1	5/4/2004	NA	18	4	0.02	10	8	18
PIW-A2	5/4/2004	NA	18	4	0.02	10	8	18
PIW-A3	5/4/2004	NA	18	4	0.02	10	8	18
PIW-A4	5/6/2004	NA	18	4	0.02	10	8	18
PIW-B1	5/3/2004	NA	26	4	0.02	6	19.5	25.5
PIW-B2	5/3/2004	NA	26	4	0.02	6	20	26
PIW-B3	5/4/2004	NA	26	4	0.02	6	20	26
PIW-B4	5/4/2004	NA	26	4	0.02	6	20	26
POBS-A1	5/6/2004	NA	18	4	0.02	10	8	18
POBS-B1	5/6/2004	NA	26	4	0.02	10	20	26
POBS-B2	5/6/2004	NA	26	4	0.02	10	20	26
NIW-A1	5/5/2004	NA	18	4	0.02	10	8	18
NIW-A2	5/5/2004	NA	18	4	0.02	10	8	18
NIW-B1	5/5/2004	NA	26	4	0.02	6	20	26
NIW-B2	5/5/2004	NA	26	4	0.02	6	20	26
NOBS-B1	5/7/2004	NA	26	2	0.02	6	20	26
DP-1	9/30/2005	NA	20.5	4	0.02	10	5	15
DP-2	9/29/2005	NA	20	4	0.02	10	4.3	14.3
DP-3	9/29/2005	NA	20.2	4	0.02	10	4.5	14.5
DP-4	9/28/2005	NA	20	4	0.02	10	4.2	14.2
DP-5	9/28/2005	NA	20.5	4	0.02	9.8	4.7	14.5
DP-6	9/29/2005	NA	20.2	4	0.02	10	4.5	14.5
DP-7	9/29/2005	NA	21	4	0.02	10	4.5	14.5

Abbreviations:

ft amsl = feet above mean sea level
ft bgs = feet below ground surface
in = inches
NA = Not Available or Not Known

TABLE 2
Historical Groundwater Elevations
David D. Bohannon Organization DPE System
575 Paseo Grande, San Lorenzo, CA

Date Sampled	TOC Elevation (ft amsl)	DTW (ft BTOC)	Groundwater Elevation (ft amsl)
MW-1			
5/17/1996	27.11	5.65	21.46
10/8/1996		7.47	19.64
4/1/1997		6.27	20.84
6/12/1997		6.90	20.21
9/10/1997		7.48	19.63
6/8/1999		6.44	20.67
9/13/1999		7.56	19.55
12/21/1999		7.41	19.70
3/17/2000		5.35	21.76
12/5/2000	26.98	6.99	19.99
2/28/2001		5.71	21.27
8/22/2001		7.39	19.59
5/22/2002		6.25	20.73
8/29/2002		7.23	19.75
12/2/2002		7.13	19.85
3/4/2003		5.77	21.21
12/18/2003		6.37	20.61
4/13/2004		6.13	20.85
12/2/2004		6.93	20.05
5/27/2005		5.90	21.08
8/24/2006		6.79	20.19
1/13/2010		6.59	20.39
5/3/2012		5.92	21.06
MW-2			
5/17/1996	26.73	5.56	21.17
10/8/1996		7.15	19.58
4/1/1997		6.61	20.12
6/12/1997		6.76	19.97
9/10/1997		7.19	19.54
6/8/1999		6.45	20.28
9/13/1999		7.46	19.27
12/21/1999		7.26	19.47
3/17/2000		5.56	21.17
12/5/2000	26.73	7.01	19.72
2/28/2001		5.81	20.92
8/22/2001		7.42	19.31
5/22/2002		6.40	20.33
8/29/2002		7.26	19.47
12/2/2002		7.02	19.71
3/4/2003		5.91	20.82
12/18/2003		6.47	20.26
4/13/2004		6.28	20.45
12/2/2004		6.80	19.93
5/27/2005		6.11	20.62
8/24/2006		6.90	19.83
1/13/2010		6.53	20.20
5/3/2012		6.17	20.56

TABLE 2
Historical Groundwater Elevations
David D. Bohannon Organization DPE System
575 Paseo Grande, San Lorenzo, CA

Date Sampled	TOC Elevation (ft amsl)	DTW (ft BTOC)	Groundwater Elevation (ft amsl)
MW-3			
5/17/1996	26.15	4.39	21.76
10/8/1996		6.82	19.33
4/1/1997		5.53	20.62
6/12/1997		6.18	19.97
9/10/1997		6.81	19.34
6/8/1999		5.74	20.41
9/13/1999		6.88	19.27
12/21/1999		6.66	19.49
3/17/2000		4.51	21.64
12/5/2000	26.55	6.84	19.71
2/28/2001		5.44	21.11
8/22/2001		7.29	19.26
5/22/2002		6.22	20.33
8/29/2002		7.26	19.29
12/2/2002		6.85	19.70
3/4/2003		5.72	20.83
12/18/2003		6.15	20.40
4/13/2004		5.97	20.58
12/2/2004		6.64	19.91
5/27/2005		5.74	20.81
8/23/2006		6.69	19.86
1/13/2010		6.08	20.47
5/3/2012		5.72	20.83
MW-4			
12/5/2000	25.87	6.28	19.59
2/28/2001		4.99	20.88
8/22/2001		6.73	19.14
5/22/2002		5.50	20.37
8/29/2002		6.55	19.32
12/2/2002		6.28	19.59
3/4/2003		5.28	20.59
12/18/2003		5.85	20.02
4/13/2004		5.50	20.37
12/2/2004		6.05	19.82
5/27/2005		5.46	20.41
8/24/2006		6.15	19.72
1/13/2010		5.78	20.09
5/3/2012		5.38	20.49
6/8/2012		5.87	20.00

TABLE 2
Historical Groundwater Elevations
David D. Bohannon Organization DPE System
575 Paseo Grande, San Lorenzo, CA

Date Sampled	TOC Elevation (ft amsl)	DTW (ft BTOC)	Groundwater Elevation (ft amsl)
MW-5			
12/5/2000	25.77	6.25	19.52
2/28/2001		4.95	20.82
8/22/2001		6.69	19.08
5/22/2002		5.50	20.27
8/29/2002		6.54	19.23
12/2/2002		6.37	19.40
3/4/2003		5.41	20.36
12/18/2003		5.65	20.12
4/13/2004		5.37	20.40
12/2/2004		6.03	19.74
5/27/2005		5.46	20.31
8/24/2006		6.17	19.60
1/13/2010		5.72	20.05
5/3/2012		5.52	20.25
MW-6			
12/5/2000	24.89	5.68	19.21
2/28/2001		4.35	20.54
8/22/2001		6.15	18.74
5/22/2002		4.91	19.98
8/29/2002		5.96	18.93
12/2/2002		5.70	19.19
3/4/2003		4.69	20.20
12/18/2003		5.05	19.84
4/13/2004		4.87	20.02
12/2/2004		5.42	19.47
5/27/2005		4.75	20.14
8/24/2006		5.57	19.32
1/13/2010		5.17	19.72
5/3/2012		4.82	20.07
MW-7			
12/5/2000	25.43	6.43	19.00
2/28/2001		4.76	20.67
8/22/2001		6.95	18.48
5/22/2002		5.55	19.88
8/29/2002		NM	--
12/2/2002		6.43	19.00
3/4/2003		5.10	20.33
12/18/2003		5.65	19.78
4/13/2004		5.27	20.16
12/2/2004		6.15	19.28
5/27/2005		5.12	20.31
8/24/2006		6.28	19.15
1/13/2010		5.97	19.46
5/4/2012		5.20	20.23

TABLE 2
Historical Groundwater Elevations
David D. Bohannon Organization DPE System
575 Paseo Grande, San Lorenzo, CA

Date Sampled	TOC Elevation (ft amsl)	DTW (ft BTOC)	Groundwater Elevation (ft amsl)

Notes:

DTW = Depth to water
ft amsl = feet above mean sea level
ft BTOC = feet below top of casing
NM = Not measured
TOC = Top of casing

TABLE 3
Groundwater Analytical Results - May 2012, June 2012 and Historical
David D. Bohannon Organization DPE System
575 Paseo Grande, San Lorenzo, CA

Date Sampled	TPH-G (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Chromium (µg/L)	Dissolved Inorganic Lead (µg/L)
Groundwater Monitoring Wells								
MW-1								
5/17/1996	**1,100**	<0.5	**8.7**	**7.4**	**17**	--	<10	<50
10/8/1996	**120**	<0.5	<0.5	**2.7**	<0.5	--	--	--
4/1/1997	**550**	<0.5	<0.5	**7.6**	**6.6**	--	--	--
6/12/1997	**160**	<0.5	<0.5	**2.9**	**1.7**	--	--	--
9/10/1997	**640**	**2.2**	**3.8**	**7.4**	**16**	--	--	--
6/8/1999	<50	<0.5	<0.5	<0.5	<0.5	<10	<10	<20
9/13/1999	<50	<0.5	<0.5	<0.5	**1.1**	--	--	<5
12/21/1999	<50	<0.5	<0.5	<0.5	<0.5	--	--	
3/17/2000	<50	<0.5	<0.5	<0.5	**0.79**	<5	--	<5
12/5/2000	<50	<0.5	<0.5	<0.5	<0.5	--	--	--
2/28/2001	<50	<0.5	<0.5	<0.5	<0.5	--	--	--
8/22/2001	<50	<0.5	<0.5	<0.5	<0.5	<5		<5
5/22/2002	<50	<0.5	<0.5	<0.5	<0.5	--	--	--
8/29/2002	<50	<0.5	<0.5	<0.5	<0.5	--	--	--
12/2/2002	<50	<0.5	<0.5	<0.5	<0.5	--	--	--
3/4/2003	<50	<0.5	<0.5	<0.5	<0.5	--	--	--
12/18/2003	<50	<0.5	<0.5	<0.5	<0.5	--	--	--
4/13/2004	<50	<0.5	<0.5	<0.5	<1.0	--	--	--
6/18/2004	**150**	**1.5**	<0.5	**2.7**	**2.4**	--	--	--
5/27/2005	<50	**1.6**	<0.5	<0.5	<0.5	--	--	--
8/24/2006	<50	<0.5	<0.5	<0.5	<1.0	--	--	--
1/13/2010	<50	<0.5	<0.5	<0.5	<1.0	--	--	--
5/3/2012	<50	<0.5	<0.5	<0.5	<1.0	--	--	--
MW-2								
5/17/1996	**23,000**	**900**	**330**	**650**	**1,500**	--	<10	<50
10/8/1996	**8,400**	**530**	<50	**400**	**360**	--	--	--
4/1/1997	**7,600**	**470**	**64**	**210**	**250**	--	--	--
6/12/1997	**8,200**	**440**	**52**	**190**	**190**	--	--	--
9/10/1997	**8,500**	**390**	**51**	**220**	**240**	--	--	--
6/8/1999	**2,100**	**240**	**8**	**33**	**40**	<10	<10	**33**
9/13/1999	**1,300**	**120**	<5	<5	**15**	--	--	--
12/21/1999	**1,400**	**110**	**5.6**	**11**	**17**	--	--	<5
3/17/2000	**1,200**	**180**	**19**	**28**	**31**	<50	--	<5
12/5/2000	**800**	**75**	**1.8**	**11**	**14**	--	--	--
2/28/2001	**1,200**	**120**	**7.1**	**19**	**27**	--	--	--
8/22/2001	**990**	**75**	**3.5**	**8.9**	**8.1**	<5	--	<5
5/22/2002	**1,700**	**230**	**12**	**12**	**25**	--	--	--
8/29/2002	**1,000**	**66**	**2.6**	**12**	**12**	--	--	--
12/2/2002	**1,100**	**76**	**8.7**	**11**	**17**	--	--	--
3/4/2003	**1,100**	**130**	**4.5**	**22**	**24**	--	--	--
12/18/2003	**910**	**55**	**4.1**	**3.3**	**3.7**	--	--	--
4/13/2004	**2,700**	**350**	**15**	**18**	**24**	--	--	--
10/5/2004	**2,000**	**120**	**5.5**	<2.5	**8.3**	--	--	--
5/27/2005	**5,700**	**450**	**53**	**240**	**71**	--	--	--
8/24/2006	**1,400**	**90**	**4.7**	**16**	**21**	--	--	--
1/13/2010	**130** [J]	**1.2**	<0.5	<0.5	<1.0	--	--	--
5/3/2012	**350**	**22**	<0.5	**2.1**	<1.0	--	--	--

TABLE 3
Groundwater Analytical Results - May 2012, June 2012 and Historical
David D. Bohannon Organization DPE System
575 Paseo Grande, San Lorenzo, CA

Date Sampled	TPH-G (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Chromium (µg/L)	Dissolved Inorganic Lead (µg/L)
MW-3								
5/17/1996	**6,700**	**140**	**45**	**210**	**180**	--	<10	<50
10/8/1996	**1,800**	**2,700**	**240**	**910**	**970**	--	--	--
4/1/1997	**27,000**	**520**	**50**	**520**	**450**	--	--	--
6/12/1997	**29,000**	**2,700**	**160**	**940**	**500**	--	--	--
9/10/1997	**290,000**	**1,800**	**3,200**	**2,800**	**6,900**	--	--	--
6/8/1999	**1,700**	**320**	**6.4**	**15**	<0.5	<10	<10	**24**
9/13/1999	**5,400**	**1,000**	<20	<20	<20	--	--	--
12/21/1999	**8,800**	**1,400**	**63**	**17**	23	--	--	<5
3/17/2000	**1,500**	**190**	<5	**7.6**	<5	<50		<5
12/5/2000	**5,400**	**790**	**20**	**7.4**	**10**	--	--	--
2/28/2001	**3,600**	**850**	**15**	**25**	**10**	--	--	--
8/22/2001	**8,100**	**1,600**	**28**	**44**	**17**	<50	--	<5
5/22/2002	**5,400**	**1,000**	**32**	**13**	**21**	--	--	--
8/29/2002	**6,700**	**1,700**	**55**	**49**	**38**	--	--	--
12/2/2002	**5,700**	**650**	**17**	**37**	**33**	--	--	--
3/4/2003	**5,000**	**650**	**18**	**42**	**27**	--	--	--
12/18/2003	**5,200**	**910**	**25**	**20**	**21**	--	--	--
4/13/2004	**3,900**	**1,200**	**19**	<5.0	<10	--	--	--
6/18/2004	**4,300**	**1,600**	**40**	**81**	**26**	--	--	--
8/27/2004	**6,900**	**2,100**	**59**	**220**	<50	--	--	--
10/5/2004	**9,800**	**2,500**	**52**	**160**	**38**	--	--	--
12/2/2004	**8,300**	**2,400**	**41**	**200**	**29**	--	--	--
12/14/2004	**15,000**	**3,600**	**140**	**560**	**210**	--	--	--
5/27/2005	**5,500**	**840**	**36**	**210**	**41**	--	--	--
8/23/2006	**1,700**	**190**	**5.3**	**51**	<10	--	--	--
1/13/2010	<50	**2**	<0.5	<0.5	<1.0	--	--	--
5/3/2012	<50	<0.5	<0.5	<0.5	<1.0	--	--	--
MW-4								
12/5/2000	**3,900**	**320**	**13**	**41**	**31**	--	--	<5
2/28/2001	**3,400**	**250**	**14**	**44**	**22**	--	--	<5
8/22/2001	**4,800**	**260**	**12**	**27**	**9**	<50	--	<5
5/22/2002	**5,100**	**320**	**29**	**74**	**50**	--	--	--
8/29/2002	**3,700**	**260**	<5	**30**	**28**	--	--	--
12/2/2002	**5,100**	**250**	**8.9**	**26**	**22**	--	--	--
3/4/2003	**4,500**	**170**	**18**	**63**	**47**	--	--	--
12/18/2003	**2,900**	**160**	**8.3**	**8**	<5	--	--	--
4/13/2004	**7,400**	**290**	**29**	**110**	**100**	--	--	--
6/18/2004	**2,700**	**140**	**12**	**36**	**16**	--	--	--
8/27/2004	**460**	**19**	**1.2**	**1.1**	**1.5**	--	--	--
10/5/2004	**460**	**19**	<1.0	<1.0	<1.0	--	--	--
12/2/2004	**2,800**	**120**	**5.4**	**8.3**	**5.3**	--	--	--
5/27/2005	**7,300**	**350**	**37**	**100**	**50**	--	--	--
8/24/2006	**2,400**	**59**	**8.2**	**19**	**14**	--	--	--
1/14/2010	**400** [J]	**1.6**	<0.5	<0.5	<1.0	--	--	--
5/3/2012	**6,800**	**190**	**26**	**15**	**25**	--	--	--
6/8/2012	**3,400**	**83**	**11**	**7.1**	**11**	<0.50	--	--

TABLE 3
Groundwater Analytical Results - May 2012, June 2012 and Historical
David D. Bohannon Organization DPE System
575 Paseo Grande, San Lorenzo, CA

Date Sampled	TPH-G (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Chromium (µg/L)	Dissolved Inorganic Lead (µg/L)
MW-5								
12/5/2000	<50	<0.5	<0.5	<0.5	<0.5	--	--	<5
2/28/2001	<50	<0.5	<0.5	<0.5	<0.5	--	--	<5
8/22/2001	<50	<0.5	<0.5	<0.5	<0.5	<5	--	<5
5/22/2002	<50	<0.5	<0.5	<0.5	<0.5	--	--	--
8/29/2002	<50	<0.5	<0.5	<0.5	<0.5	--	--	--
12/2/2002	<50	<0.5	<0.5	<0.5	<0.5	--	--	--
3/4/2003	<50	<0.5	<0.5	<0.5	<0.5	--	--	--
12/18/2003	<50	<0.5	<0.5	<0.5	<0.5	--	--	--
4/13/2004	<50	<0.5	<0.5	<0.5	<1.0	--	--	--
12/2/2005	<50	<0.5	<0.5	<0.5	<1.0	--	--	--
5/27/2005	<50	<0.5	<0.5	<0.5	<0.5	--	--	--
8/24/2006	<50	<0.5	<0.5	<0.5	<1.0	--	--	--
1/14/2010	<50	<0.5	<0.5	<0.5	<1.0	--	--	--
5/3/2012	<50	<0.5	<0.5	<0.5	<1.0	--	--	--
MW-6								
12/5/2000	<50	<0.5	<0.5	<0.5	<0.5	--	--	<5
2/28/2001	<50	<0.5	<0.5	<0.5	<0.5	--	--	<5
8/22/2001	<50	<0.5	<0.5	<0.5	<0.5	<5	--	<5
5/22/2002	<50	<0.5	<0.5	<0.5	<0.5	--	--	--
8/29/2002	<50	<0.5	<0.5	<0.5	<0.5	--	--	--
12/2/2002	<50	<0.5	<0.5	<0.5	<0.5	--	--	--
3/4/2003	<50	<0.5	<0.5	<0.5	<0.5	--	--	--
12/18/2003	<50	<0.5	<0.5	<0.5	<0.5	--	--	--
4/13/2004	<50	<0.5	<0.5	<0.5	<1.0	--	--	--
12/2/2004	<50	<0.5	<0.5	<0.5	<1.0	--	--	--
5/27/2005	<50	<0.5	<0.5	<0.5	<0.5	--	--	--
8/24/2006	<50	<0.5	<0.5	<0.5	<1.0	--	--	--
1/13/2010	<50	<0.5	<0.5	<0.5	<1.0	--	--	--
5/3/2012	<50	<0.5	<0.5	<0.5	<1.0	--	--	--
MW-7								
12/5/2000	<50	<0.5	<0.5	<0.5	**1.5**	--	--	<5
2/28/2001	<50	<0.5	<0.5	<0.5	**6.7**	--	--	<5
8/22/2001	<50	<0.5	<0.5	<0.5	<0.5	<5	--	<5
5/22/2002	<50	<0.5	<0.5	<0.5	<0.5	--	--	--
12/2/2002	<50	<0.5	<0.5	<0.5	<0.5	--	--	--
3/4/2003	<50	<0.5	<0.5	<0.5	<0.5	--	--	--
12/18/2003	<50	<0.5	<0.5	<0.5	<0.5	--	--	--
4/13/2004	<50	<0.5	<0.5	<0.5	<1.0	--	--	--
12/2/2004	<50	<0.5	<0.5	<0.5	<1.0	--	--	--
5/27/2005	<50	<0.5	<0.5	<0.5	<0.5	--	--	--
8/24/2006	<50	<0.5	<0.5	<0.5	<1.0	--	--	--
1/13/2010	<50	<0.5	<0.5	<0.5	<1.0	--	--	--
5/4/2012	<50	<0.5	<0.5	<0.5	<1.0	--	--	--
Peroxide Treatment Area - A Zone Injection Wells								
PIW-A1								
5/13/2004	**6,800**	**460**	**50**	**31**	**300**	--	--	--
6/18/2004	**240**	**10**	**2.1**	**4**	**11**	--	--	--
8/27/2004	**220**	**14**	**1.2**	**2**	**5**	--	--	--
10/5/2004	<50	<0.5	<0.5	<0.5	<1.0	--	--	--
12/2/2004	**640**	**63**	**12.0**	**15**	**29**	--	--	--
PIW-A2								
5/13/2004	**20,000**	**1,500**	**460**	**760**	**2,600**	--	--	--
6/18/2004	**2,800**	**150**	**14**	**6.5**	**90**	--	--	--
8/27/2004	**500**	**34**	**3**	**4.4**	**12**	--	--	--
12/2/2004	**350**	**6.1**	**1.2**	**2.4**	**5.4**	--	--	--
PIW-A3								
12/14/2004	**1,500**	**220**	**28**	**55**	**99**	--	--	--

TABLE 3
Groundwater Analytical Results - May 2012, June 2012 and Historical
David D. Bohannon Organization DPE System
575 Paseo Grande, San Lorenzo, CA

Date Sampled	TPH-G (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Chromium (µg/L)	Dissolved Inorganic Lead (µg/L)
Peroxide Treatment Area - B Zone Injection Wells								
PIW-B1								
5/13/2004	**1,900**	**28**	<5.0	**11**	**51**	--	--	--
6/18/2004	**270**	**22**	**1**	**2.2**	**2.7**	--	--	--
8/27/2004	**230**	**11**	**0.85**	**1.7**	**4.3**	--	--	--
12/2/2002	**66**	<0.5	<0.5	<0.5	<1.0	--	--	--
PIW-B3								
5/13/2004	**3,300**	**420**	**17**	**7.8**	**44**	--	--	--
6/18/2004	**180**	**1.2**	<0.5	<0.5	**2.4**	--	--	--
8/27/2004	**230**	**20.0**	**0.93**	**3.3**	**2.9**	--	--	--
12/2/2004	**64**	**0.75**	<0.5	<0.5	<1.0	--	--	--
Peroxide Treatment Area - A Zone Observation Wells								
POBS-A1								
5/13/2004	**16,000**	**2,200**	**220**	**480**	**980**	--	--	--
6/18/2004	**11,000**	**2,200**	**150**	**120**	**820**	--	--	--
8/27/2004	**23,000**	**2,900**	**140**	**180**	**470**	--	--	--
10/5/2004	**13,000**	**2,400**	**83**	**130**	**94**	--	--	--
12/2/2004	**17,000**	**3,500**	**240**	**210**	**730**	--	--	--
12/14/2004	**13,000**	**2,700**	**200**	**220**	**510**	--	--	--
5/27/2005	**9,600**	**1,200**	**62**	**110**	**180**	--	--	--
8/24/2006	**8,500**	**1,700**	**58**	**120**	**100**	--	--	--
1/13/2010	**7,300** [J]	**1,100**	**29**	**53**	**42**	--	--	--
5/4/2012	**540**	**110**	**2.0**	**1.4**	<1.0	--	--	--
Peroxide Treatment Area - B Zone Observation Wells								
POBS-B1								
5/13/2004	**11,000**	**250**	**71**	**160**	**590**	--	--	--
6/18/2004	**3,500**	**9.8**	<0.5	**0.8**	**13**	--	--	--
8/27/2004	**500**	**1.4**	<0.5	<0.5	<1.0	--	--	--
12/2/2004	**190**	**2.6**	<0.5	<0.5	<1.0	--	--	--
5/27/2005	**68**	**17.0**	<0.5	**1.6**	**0.52**	--	--	--
8/24/2006	**50**	**1.1**	< 0.5	< 0.5	< 1.0	--	--	--
5/4/2012	<50	**0.80**	< 0.5	< 0.5	< 1.0	--	--	--
POBS-B2								
5/13/2004	**4,500**	**150**	**23**	**11**	**120**	--	--	--
6/18/2004	**97**	**7.4**	**0.8**	**1.6**	**1.7**	--	--	--
8/27/2004	**240**	**36.0**	**1.6**	**6.7**	**4.2**	--	--	--
12/2/2004	<50	<0.5	<0.5	<0.5	<1.0	--	--	--
5/27/2005	**97**	**33.0**	**0.56**	**1.3**	**0.74**	--	--	--
8/24/2006	**57**	< 0.5	< 0.5	< 0.5	< 1.0	--	--	--
5/3/2012	**83**	**8.8**	< 0.5	< 0.5	< 1.0	--	--	--
Nitrate Injection Area - A Zone Injection Wells								
NIW-A1								
5/13/2004	**9,300**	**1,800**	**59**	**250**	**96**	--	--	--
6/18/2004	**3,100**	**340**	**22**	**93**	**55**	--	--	--
8/27/2004	**250**	**13**	**1.4**	**6**	**5.7**	--	--	--
10/5/2004	**1,700**	**150**	<5.0	**24**	**12**	--	--	--
12/2/2004	**1,400**	**28**	**6.2**	**10**	**23**	--	--	--
5/27/2005	**14,000**	**1,300**	**61.0**	**680**	**300**	--	--	--
NIW-A2								
5/13/2004	**970**	**18**	<2.5	<2.5	**4**	--	--	--
6/18/2004	**200**	**6.4**	**1.7**	**2.1**	**3.5**	--	--	--
8/27/2004	<500	**6.3**	<5.0	<5.0	<10	--	--	--
12/2/2004	<50	<0.5	<0.5	<0.5	<1.0	--	--	--
5/27/2005	**550**	**14.0**	**0.7**	**1.8**	**0.93**	--	--	--

TABLE 3
Groundwater Analytical Results - May 2012, June 2012 and Historical
David D. Bohannon Organization DPE System
575 Paseo Grande, San Lorenzo, CA

Date Sampled	TPH-G (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Chromium (µg/L)	Dissolved Inorganic Lead (µg/L)
Nitrate Injection Area - B Zone Injection Wells								
NIW-B1								
5/13/2004	**170**	**6.5**	**1.1**	**2.4**	**8.0**	--	--	--
6/18/2004	**160**	**2.9**	**0.7**	**2.6**	**2.5**	--	--	--
8/27/2004	**110**	**6.9**	<0.5	**1.4**	**2.0**	--	--	--
12/2/2004	<50	<0.5	<0.5	<0.5	<1.0	--	--	--
NIW-B2								
5/13/2004	**260**	**8.9**	**1.5**	**4**	**8.4**	--	--	--
6/18/2004	**120**	**1.0**	<0.5	**1.1**	<1	--	--	--
8/27/2004	**120**	**4.4**	<0.5	**1.1**	**1.6**	--	--	--
12/2/2004	<50	<0.5	<0.5	<0.5	<1.0	--	--	--
Nitrate Injection Area - Observation Wells								
NOBS-B1								
5/13/2004	**120**	**4.6**	**0.8**	**2.3**	**5.4**	--	--	--
6/18/2004	**88**	**1.9**	**0.7**	**1.7**	<1	--	--	--
8/27/2004	**180**	**5.5**	**0.53**	**0.99**	**1.6**	--	--	--
12/2/2004	<50	2.0	<0.5	<0.5	<1.0	--	--	--
8/24/2006	< 50	< 0.5	< 0.5	< 0.5	< 1.0	--	--	--
5/3/2012	< 50	< 0.5	< 0.5	< 0.5	< 1.0	--	--	--

Abbreviations:

µg/L = micrograms per liter
MTBE = methyl tert-butyl ether
TPH-G = Total Petroleum Hydrocarbons, Gasoline Range
-- = water sample not analyzed for specified constituents

Notes:

Bold indicates detected concentration.
J = the chromatograph for this sample does not match the chromatographic pattern of the specified standard

FIGURES

Second Quarter 2012 (Semi-Annual) Groundwater Monitoring Report
David D. Bohannon Organization
575 Paseo Grande
San Lorenzo, California
Stantec PN: 185702534
July 27, 2012

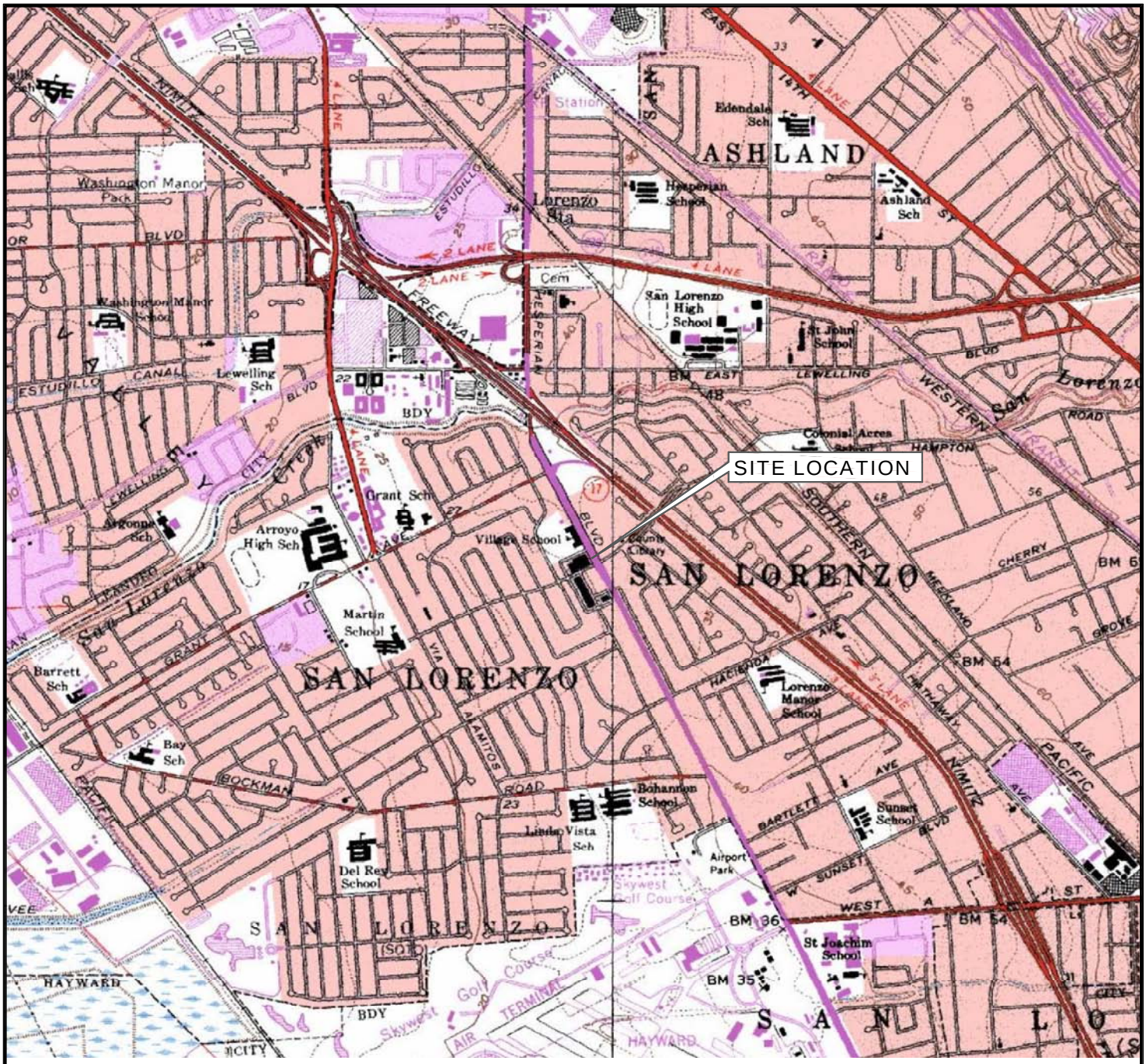


Image courtesy of the U.S. Geological Survey and Microsoft TerraService OpenGIS Map Server

Stantec
57 Lafayette Circle, 2nd Floor
Lafayette California
PHONE: (925) 299-9300 FAX: (925) 299-9302

FOR:
DAVID D. BOHANNON ORGANIZATION

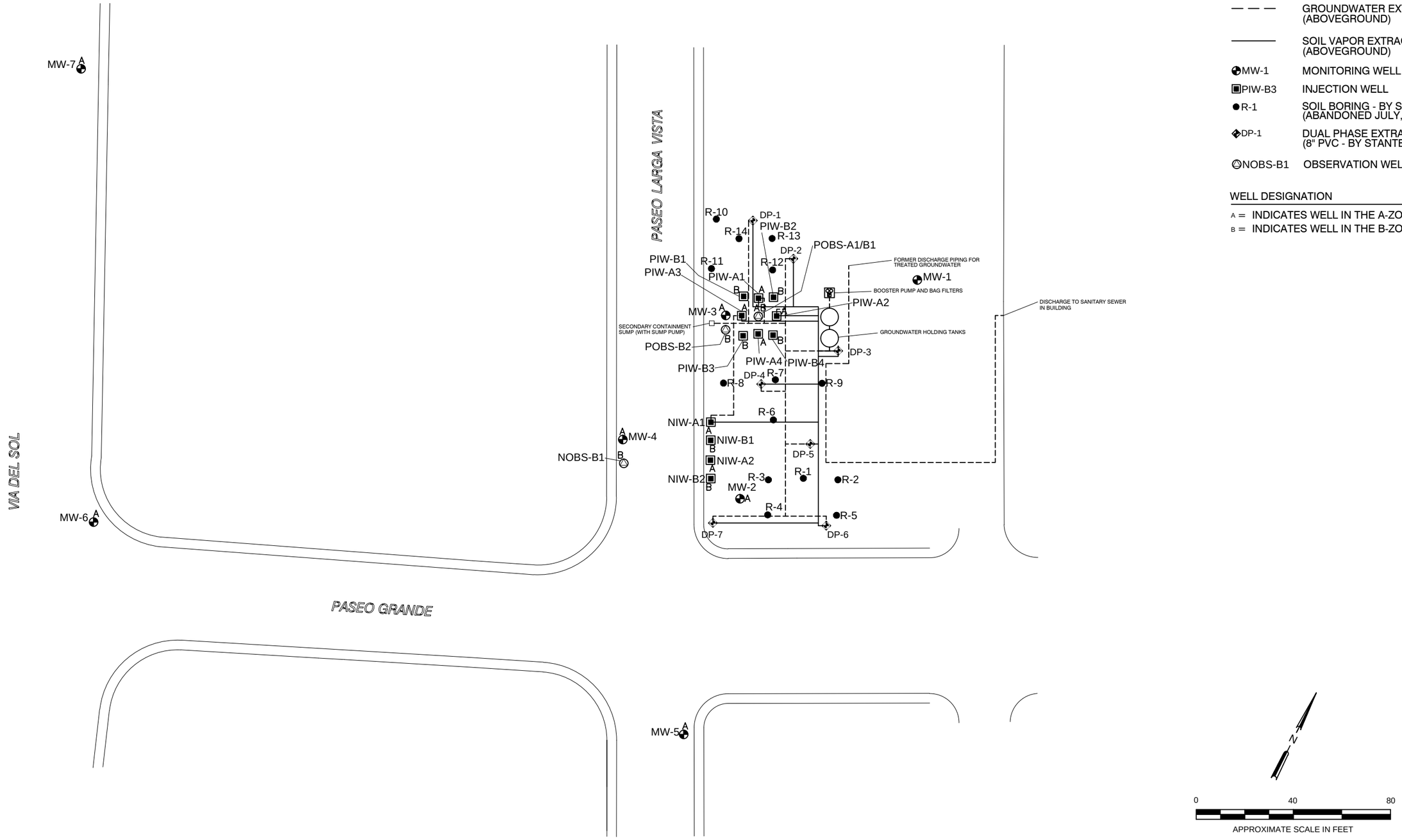
575 PASEO GRANDE
SAN LORENZO, CALIFORNIA

SITE LOCATION MAP

FIGURE: **1**

JOB NUMBER:	DRAWN BY:	CHECKED BY:	APPROVED BY:	DATE:
185702534.200.0003	JMA	CRM	CRM	05/15/12

FILEPATH:M:\BOHANNON\PaseoGrande - DPE Prog 09\BOHANNON-575_Paseo-F1-SLM.dwg|rroggasch|Jan 28, 2010 at 13:25|Layout: SITE LOCATION MAP



LEGEND

— — —	GROUNDWATER EXTRACTION PIPING (ABOVEGROUND)
———	SOIL VAPOR EXTRACTION PIPING (ABOVEGROUND)
MW-1	MONITORING WELL
PIW-B3	INJECTION WELL
R-1	SOIL BORING - BY SECOR (ABANDONED JULY, 2005)
DP-1	DUAL PHASE EXTRACTION WELL (8" PVC - BY STANTEC, 2005)
NOBS-B1	OBSERVATION WELL

WELL DESIGNATION

A = INDICATES WELL IN THE A-ZONE
B = INDICATES WELL IN THE B-ZONE

N

0 40 80

APPROXIMATE SCALE IN FEET

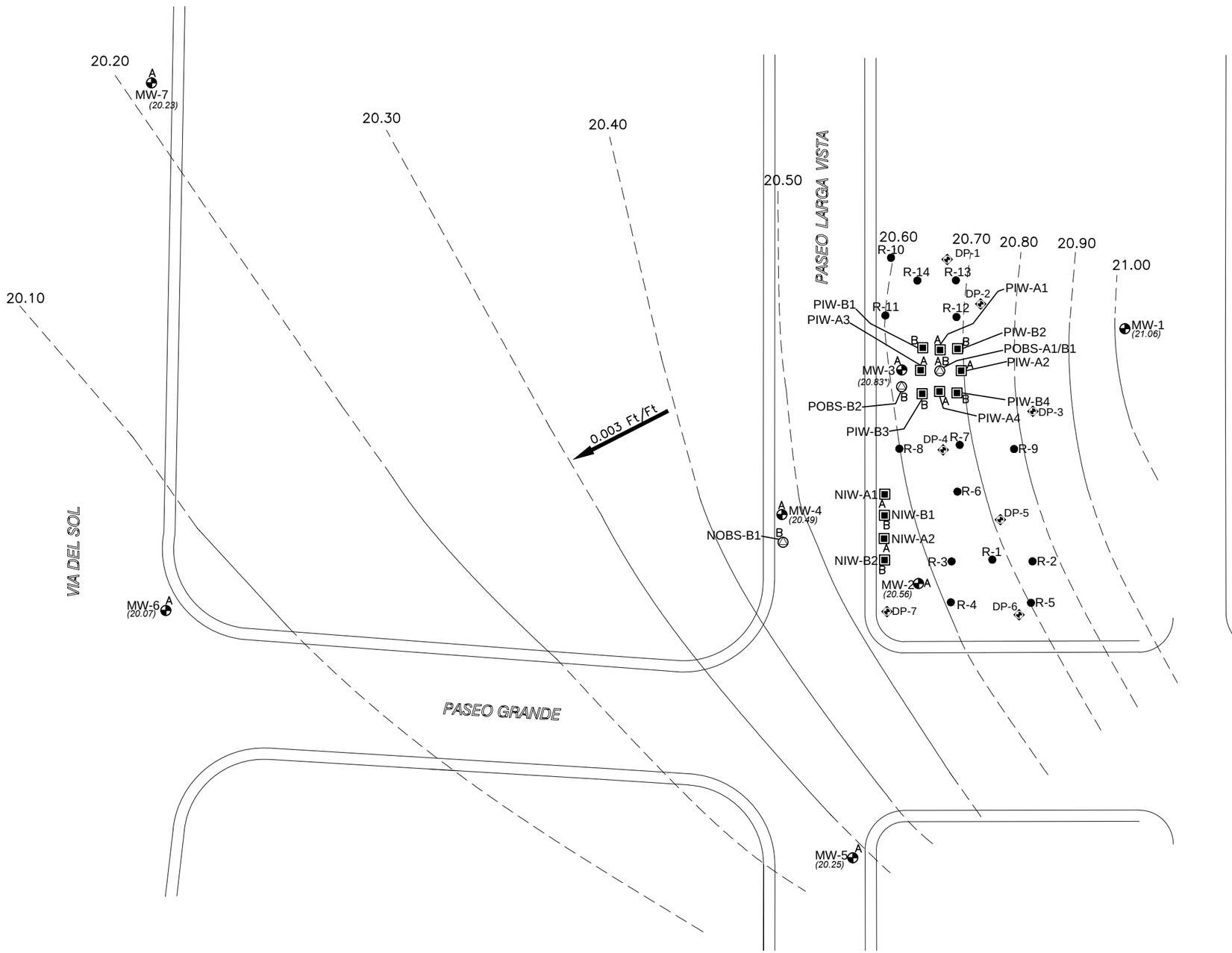
Stantec
57 Lafayette Circle, 2nd Floor
Lafayette, CA 94549
(925) 299-9300/299-9302 (Fax)

FOR:
DAVID D. BOHANNON ORGANIZATION
575 PASEO GRANDE
SAN LORENZO, CALIFORNIA

SITE PLAN

FIGURE: **2**

JOB NUMBER:	DRAWN BY:	CHECKED BY:	APPROVED BY:	DATE:
185702534.200.0003	JMA	JMA	CRM	05/14/12



LEGEND

MW-6	MONITORING WELL
PIW-B3	INJECTION WELL
DP-1	DUAL PHASE EXTRACTION WELL (8" PVC - BY SECOR, 2005)
NOBS-B1	OBSERVATION WELL
R-1	SOIL BORING - BY SECOR (ABANDONED JULY, 2005)
– – –20.20	GROUNDWATER SURFACE ELEVATION CONTOUR (DASHED WHERE INFFERED)
(21.06)	GROUNDWATER ELEVATION (FEET ABOVE MSL)
0.003 Ft/Ft	HYDRAULIC GRADIENT

WELL DESIGNATION

A = INDICATES WELL IN THE A-ZONE
B = INDICATES WELL IN THE B-ZONE

NOTES

1) AN ASTERISK (*) INDICATES THAT THE GROUNDWATER ELEVATION IS INCONSISTENT WITH THE TRENDS FOR THE SITE AND WAS NOT USED FOR CONTOURING.

2) DEPTH TO GROUNDWATER IN MONITORING WELL MW-7 MEASURED ON MAY 4, 2012. DEPTH TO GROUNDWATER IN ALL OTHER WELLS MEASURED ON MAY 3, 2012.

0 40 80

APPROXIMATE SCALE IN FEET

Stantec
57 Lafayette Circle, 2nd Floor
Lafayette CA 94549
PHONE: (925) 299-9300 FAX: (925) 299-9302

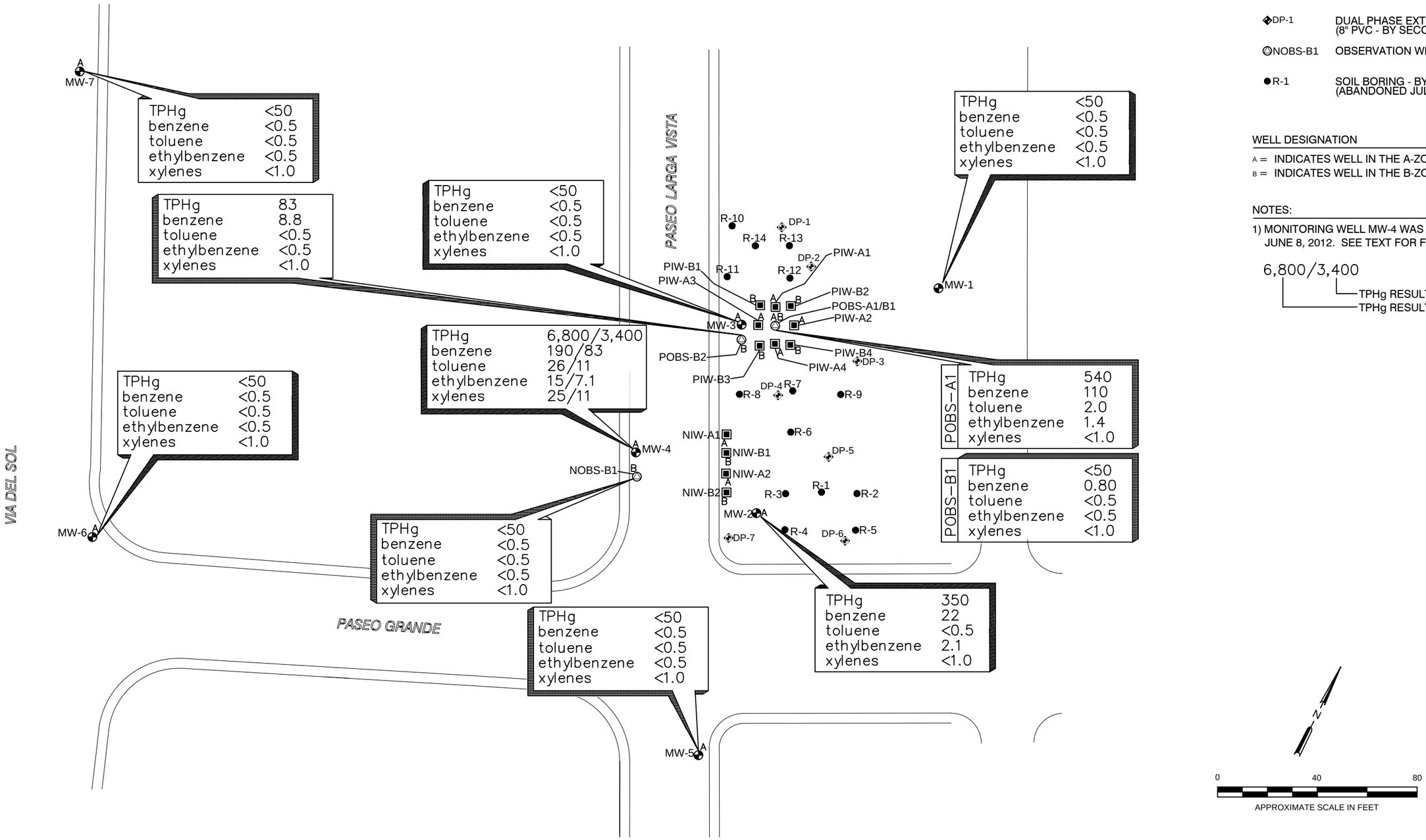
FOR:
DAVID D. BOHANNON ORGANIZATION

575 PASEO GRANDE
SAN LORENZO, CALIFORNIA

GROUNDWATER POTENTIOMETRIC SURFACE MAP MAY 3, 2012

FIGURE: **3**

JOB NUMBER:	DRAWN BY:	CHECKED BY:	APPROVED BY:	DATE:
185702534.200.0003	JMA	JMA	CRM	05/14/12



LEGEND

MW-6	MONITORING WELL
PIW-B3	INJECTION WELL
DP-1	DUAL PHASE EXTRACTION WELL (8" PVC - BY SECOR, 2005)
NOBS-B1	OBSERVATION WELL
R-1	SOIL BORING - BY SECOR (ABANDONED JULY, 2005)

WELL DESIGNATION

A = INDICATES WELL IN THE A-ZONE
B = INDICATES WELL IN THE B-ZONE

NOTES:

1) MONITORING WELL MW-4 WAS RE-SAMPLED ON JUNE 8, 2012. SEE TEXT FOR FURTHER DETAILS.

6,800/3,400
- TPHg RESULT FOR 6/8/2012
- TPHg RESULT FOR 5/3/2012

Stantec
57 Lafayette Circle, 2nd Floor
Lafayette, CA 94549
(925) 299-9300/299-9302 (Fax)

FOR: DAVID D. BOHANNON ORGANIZATION
575 PASEO GRANDE
SAN LORENZO, CALIFORNIA

CHEMICAL CONCENTRATIONS IN GROUNDWATER MAY 2012 AND JUNE 2012

SHEET: 4

JOB NUMBER:	DRAWN BY:	CHECKED BY:	APPROVED BY:	DATE:
185702534.200.0003	JMA	JMA	CRM	06/21/12

FILEPATH:M:\BOHANNON\2012 GWM\BOHANNON - 575 Paseo - FIGURES-3_4 - GW_Data.dwg|malbrecht|Jun 27, 2012 at 16:54|Layout: FIGURE-4

APPENDIX A
Field Data Sheets for the May 2012 and June 2012 Groundwater Monitoring Events

Second Quarter 2012 (Semi-Annual) Groundwater Monitoring Report
David D. Bohannon Organization
575 Paseo Grande
San Lorenzo, California
Stantec PN: 185702534
July 27, 2012

Groundwater Sampling Data Sheet

Project #: 185702534 **Task No:** 200.0002	**Project Name:** Bohannon	**Date:** 5/3/12
Site Location: San Lorenzo	**Sampler(s):** C. Melgoza	
Well ID: MW-5	**Depth to Water (DTW) (ft):** 5.52	**Sample DTW (ft):** 5.59
Screen Interval (ft):	**Depth to Bottom (DTB) (ft):** 14.60	**Measurements Referenced to:** TOC
Tube/Pump Depth (ft):	**Well Diameter (inch):** 2	**OVM (ppm) =** ———

CALCULATIONS:

Length of the water column: _____ (DTB) ft - _____ (DTW) ft = _____ (Water Col) ft

80% of the water level: _____ (DTW) ft + (_____ (Water Col) ft X 0.2) = _____ (Recharge water level) ft

Estimated Purge Volume (EPV): = _____ (Water col) ft X _____ (gal/lin. ft.) X 3 (Casing Volumes) = _____ Gallons

(X) Low-Flow/Micro Purging

( ) Purge at least 3 well volumes

Volume of Schedule 40 PVC Pipe		
Well Diameter.	I.D	gal/linear ft.
1.25	1.38	0.08
2	**2.067**	**0.17**
3	3.068	0.38
4	**4.026**	**0.66**
6	6.065	1.5
8	7.981	2.6
10	10.02	4.12
12	11.938	5.81

Purging Equipment:
( ) _____ Bailer
( ) Disposable Bailer
( ) Electric Submergible Pump
(X) Peristaltic Pump
( ) Other:_____

Sampling Equipment:
( ) _____ Bailer
~~(X) Pump Discharge~~
( ) Disposable Bailer
(X) Peristaltic Pump & Dedicated Tubing
( ) Other:_____

Type of Water Quality Kit Used:
(X) YSI 556
( ) Myron L
( ) Horriba
( ) Hanna
( ) Other:_____

Begin Purge at 832

Time (24 hrs)	Volume (G / (L))	Temp. (C) °F)	DTW	Specific Conductivity (µS/cm)	pH (units)	Color	Odor	DO (mg/L)	Redox Potential (mV)
(every 3-5 min)		(± 10%)		(± 10%)	(± 0.2)			(± 10%)	(± 20%)
835	1.0	18.56	5.62	873	7.27	clear	none	0.43	239.1
840	2.5	18.62	5.59	876	7.28	"	"	0.36	218.7
845	4.0	18.71	5.59	879	7.30	"	"	0.28	208.7
850	5.5	18.76	5.59	881	7.29	"	"	0.36	202.3
855	7.0	18.80	5.59	882	7.30	"	"	0.38	200.7

Liters / Gallons Purged:	**Pump Rate in L or G /min:**
Sampling Time: 0900	**Duplicate Sample ID:** **Sample Time:**

Sample Analyzed For: SEE WORK ORDER

(√) Analyte(s):	Preservative:	Bottles:
(X) TPH-g, BTEX, MTBE	HCl	3 X 40 mL VOAs
( ) TPH-d & TPH-mo	HCl	2 x 0.5 L Ambers
( ) NO_2, NO_3 & SO_4	None	1 X 500 mL Poly
( ) Total Manganese	HNO_3	1 X 250 mL Poly
( ) Dissolved Iron	Field-filtered, HNO_3	1 X 250 mL Poly
( ) Ferrous Iron	HCl	2 X Amber VOAs
( ) SVOCs	None	2 x 1 L Ambers

Duplicate Sample Analyzed For: SEE WORK ORDER

(√) Analyte(s):	Preservative:	Bottles:
( ) TOC	H_2SO_4	2 X 40 mL Amber VOAs
( ) Methane	HCl	3 X 40 mL VOAs
( ) Naphthalene, Phenol	None	2 x 1 L Ambers
( ) Alkalinity, TDS	None	1 X 500 mL Poly
( ) Phosphorus, TKN	H_2SO_4	1 x 500 mL Poly
( ) VOCs	HCl	3 X 40 mL VOAs
( ) Other _____		

Notes:

TB-1 at 640

Groundwater Sampling Data Sheet

Project #: 1857025.34 **Task No:** 200.0002	**Project Name:** Bohannon	**Date:** 5/3/12
Site Location: San Lorenzo	**Sampler(s):** C. Lee/Key Cox	
Well ID: NOBS-B1	**Depth to Water (DTW) (ft):** 5.25	**Sample DTW (ft):** 5.34
Screen Interval (ft):	**Depth to Bottom (DTB) (ft):** 25.60	**Measurements Referenced to:** TOC
Tube/Pump Depth (ft):	**Well Diameter (inch):** 2	**OVM (ppm) =** —

CALCULATIONS:

Length of the water column: _____ (DTB) ft - _____ (DTW) ft = _____ (Water Col) ft

80% of the water level: _____ (DTW) ft + (_____ (Water Col) ft X 0.2) = _____ (Recharge water level) ft

Estimated Purge Volume (EPV): = _____ (Water col) ft X _____ (gal/lin. ft.) X 3 (Casing Volumes) = _____ Gallons

(X) Low-Flow/Micro Purging

( ) Purge at least 3 well volumes

Volume of Schedule 40 PVC Pipe		
Well Diameter.	I.D	gal/linear ft.
1.25	1.38	0.08
2	**2.067**	**0.17**
3	3.068	0.38
4	**4.026**	**0.66**
6	6.065	1.5
8	7.981	2.6
10	10.02	4.12
12	11.938	5.81

Purging Equipment:
- ( ) _____ Bailer
- ( ) Disposable Bailer
- ( ) Electric Submergible Pump
- (X) Peristaltic Pump
- ( ) Other:_____

Sampling Equipment:
- ( ) _____ Bailer
- ~~(X) Pump Discharge~~
- ( ) Disposable Bailer
- (X) Peristaltic Pump & Dedicated Tubing
- ( ) Other:_____

Type of Water Quality Kit Used:
- (X) YSI 556
- ( ) Myron L
- ( ) Horriba
- ( ) Hanna
- ( ) Other:_____

Begin Purge at 934

Time (24 hrs)	Volume (G (L))	Temp. (°C °F)	DTW	Specific Conductivity (µS/cm)	pH (units)	Color	Odor	DO (mg/L)	Redox Potential (mV)
(every 3-5 min)		(± 10%)		(± 10%)	(± 0.2)			(± 10%)	(± 20%)
937	1.5	18.46	5.34	1058	7.02	clear	none	0.32	102.3
940	3.0	18.66	5.35	1060	7.08	"	"	0.34	115.1
945	4.6	18.82	5.34	1062	7.09	"	"	0.41	134.0
950	5.0	18.84	5.34	1062	7.08	"	"	0.33	137.6
955	6.0	18.93	5.34	1064	7.08	"	"	0.30	143.1

Liters / Gallons Purged:	**Pump Rate in L or G /min:**
Sampling Time: 1000	**Duplicate Sample ID:** **Sample Time:**

Sample Analyzed For: SEE WORK ORDER

(√) Analyte(s):	Preservative:	Bottles:
(X) TPH-g, BTEX, MTBE	HCl	3 X 40 mL VOAs
( ) TPH-d & TPH-mo	HCl	2 x 0.5 L Ambers
( ) NO_2, NO_3 & SO_4	None	1 X 500 mL Poly
( ) Total Manganese	HNO_3	1 X 250 mL Poly
( ) Dissolved Iron	Field-filtered, HNO_3	1 X 250 mL Poly
( ) Ferrous Iron	HCl	2 X Amber VOAs
( ) SVOCs	None	2 x 1 L Ambers

Duplicate Sample Analyzed For: SEE WORK ORDER

(√) Analyte(s):	Preservative:	Bottles:
( ) TOC	H_2SO_4	2 X 40 mL Amber VOAs
( ) Methane	HCl	3 X 40 mL VOAs
( ) Naphthalene, Phenol	None	2 x 1 L Ambers
( ) Alkalinity, TDS	None	1 X 500 mL Poly
( ) Phosphorus, TKN	H_2SO_4	1 x 500 mL Poly
( ) VOCs	HCl	3 X 40 mL VOAs
( ) Other _____		

Notes: _____

Groundwater Sampling Data Sheet

Project #: 185702534 **Task No:** 200.0002	**Project Name:** Bohannon	**Date:** 5/3/12
Site Location: San Lorenzo	**Sampler(s):** C. Melgoza	
Well ID: MW-4	**Depth to Water (DTW) (ft):** 5.38	**Sample DTW (ft):** 5.51
Screen Interval (ft):	**Depth to Bottom (DTB) (ft):** 15.30	**Measurements Referenced to:** TOC
Tube/Pump Depth (ft):	**Well Diameter (inch):** 2	**OVM (ppm) =** —

CALCULATIONS:

Length of the water column: _____ (DTB) ft - _____ (DTW) ft = _____ (Water Col) ft

80% of the water level: _____ (DTW) ft + (_____ (Water Col) ft X 0.2) = _____ (Recharge water level) ft

Estimated Purge Volume (EPV): = _____ (Water col) ft X _____ (gal/lin. ft.) X 3 (Casing Volumes) = _____ Gallons

(X) Low-Flow/Micro Purging

( ) Purge at least 3 well volumes

Volume of Schedule 40 PVC Pipe		
Well Diameter	I.D	gal/linear ft.
1.25	1.38	0.08
2	**2.067**	**0.17**
3	3.068	0.38
4	**4.026**	**0.66**
6	6.065	1.5
8	7.981	2.6
10	10.02	4.12
12	11.938	5.81

Purging Equipment:
( ) _____ Bailer
( ) Disposable Bailer
( ) Electric Submergible Pump
(X) Peristaltic Pump
( ) Other:_____

Sampling Equipment:
( ) _____ Bailer
~~(X) Pump Discharge~~
( ) Disposable Bailer
(X) Peristaltic Pump & Dedicated Tubing
( ) Other:_____

Type of Water Quality Kit Used:
(X) YSI 556
( ) Myron L
( ) Horriba
( ) Hanna
( ) Other:_____

Begin Purge at 1005 ~~1035~~

Time (24 hrs)	Volume (G / L)	Temp. (C / F)	DTW	Specific Conductivity (µS/cm)	pH (units)	Color	Odor	DO (mg/L)	Redox Potential (mV)
(every 3-5 min)		(± 10%)		(± 10%)	(± 0.2)			(± 10%)	(± 20%)
1010	1.5	18.07	5.53	891	6.88	clear	mod.	0.62	-111.9
1015	3.0	18.18	5.54	886	6.84	"	"	0.47	-113.8
1020	4.5	18.30	5.55	889	6.84	"	"	0.34	-112.1
1025	5.5	18.26	5.51	891	6.85	"	"	0.28	-109.7
1030	6.5	18.27	5.51	893	6.84	"	"	0.25	-113.9
1035	7.5	18.25	5.51	894	6.84	"	"	0.23	-117.3

Liters / Gallons Purged:	**Pump Rate in L or G /min:**
Sampling Time: 1040	**Duplicate Sample ID:** **Sample Time:**

Sample Analyzed For: SEE WORK ORDER

(√) Analyte(s):	Preservative:	Bottles:
(X) TPH-g, BTEX, MTBE	HCl	3 X 40 mL VOAs
( ) TPH-d & TPH-mo	HCl	2 x 0.5 L Ambers
( ) NO_2, NO_3 & SO_4	None	1 X 500 mL Poly
( ) Total Manganese	HNO_3	1 X 250 mL Poly
( ) Dissolved Iron	Field-filtered, HNO_3	1 X 250 mL Poly
( ) Ferrous Iron	HCl	2 X Amber VOAs
( ) SVOCs	None	2 x 1 L Ambers

Duplicate Sample Analyzed For: SEE WORK ORDER

(√) Analyte(s):	Preservative:	Bottles:
( ) TOC	H_2SO_4	2 X 40 mL Amber VOAs
( ) Methane	HCl	3 X 40 mL VOAs
( ) Naphthalene, Phenol	None	2 x 1 L Ambers
( ) Alkalinity, TDS	None	1 X 500 mL Poly
( ) Phosphorus, TKN	H_2SO_4	1 x 500 mL Poly
( ) VOCs	HCl	3 X 40 mL VOAs
( ) Other _____		

Notes:

Groundwater Sampling Data Sheet

Project #: 185702534	Project Name: Task No: 200.0002 Bohannon	Date: 5/3/12
Site Location: San Lorenzo	Sampler(s): C. Melancon	
Well ID: MW-6	Depth to Water (DTW) (ft): ~~4.79~~ 4.82	Sample DTW (ft): 4.87
Screen Interval (ft):	Depth to Bottom (DTB) (ft): 14.75	Measurements Referenced to: TOC
Tube/Pump Depth (ft):	Well Diameter (inch): 2	OVM (ppm) = —

CALCULATIONS:

Length of the water column: _____ ft (DTB) - _____ ft (DTW) = _____ ft (Water Col)

80% of the water level: _____ ft (DTW) + (_____ ft (Water Col) X 0.2) = _____ ft (Recharge water level)

Estimated Purge Volume (EPV): = _____ ft (Water col) X _____ (gal/lin. ft.) X 3 (Casing Volumes) = _____ Gallons

(X) Low-Flow/Micro Purging

( ) Purge at least 3 well volumes

Volume of Schedule 40 PVC Pipe		
Well Diameter.	I.D	gal/linear ft.
1.25	1.38	0.08
2	**2.067**	**0.17**
3	3.068	0.38
4	**4.026**	**0.66**
6	6.065	1.5
8	7.981	2.6
10	10.02	4.12
12	11.938	5.81

Purging Equipment:
( ) _____ Bailer
( ) Disposable Bailer
( ) Electric Submergible Pump
(X) Peristaltic Pump
( ) Other:_____

Sampling Equipment:
( ) _____ Bailer
~~(X) Pump Discharge~~
( ) Disposable Bailer
(X) Peristaltic Pump & Dedicated Tubing
( ) Other:_____

Type of Water Quality Kit Used:
(X) YSI 556
( ) Myron L
( ) Horriba
( ) Hanna
( ) Other:_____

Begin Purge at 1050

Time (24 hrs)	Volume (G (L))	Temp. (°C / °F)	DTW	Specific Conductivity (µS/cm)	pH (units)	Color	Odor	DO (mg/L)	Redox Potential (mV)
(every 3-5 min)		(± 10%)		(± 10%)	(± 0.2)			(± 10%)	(± 20%)
1053	1.0	18.52	~~4.86~~ 4.86	~~873~~ 873	7.05	clear	none	0.93	56.7
1056	2.0	18.43	4.86	872	7.03	"	"	0.50	63.2
1100	3.5	18.41	4.86	873	7.02	"	"	0.45	69.7
1105	5.0	18.39	4.86	875	7.03	"	"	0.42	74.6
1110	6.5	18.41	4.87	875	7.02	"	"	0.29	77.5
1115	8.0	18.37	4.87	876	7.02	"	"	0.31	79.3

Liters / Gallons Purged:	**Pump Rate in L or G /min:**
Sampling Time: 1120	**Duplicate Sample ID:** **Sample Time:**

Sample Analyzed For: SEE WORK ORDER

(√) Analyte(s):	Preservative:	Bottles:
(X) TPH-g, BTEX, MTBE	HCl	3 X 40 mL VOAs
( ) TPH-d & TPH-mo	HCl	2 x 0.5 L Ambers
( ) NO_2, NO_3 & SO_4	None	1 X 500 mL Poly
( ) Total Manganese	HNO_3	1 X 250 mL Poly
( ) Dissolved Iron	Field-filtered, HNO_3	1 X 250 mL Poly
( ) Ferrous Iron	HCl	2 X Amber VOAs
( ) SVOCs	None	2 x 1 L Ambers

Duplicate Sample Analyzed For: SEE WORK ORDER

(√) Analyte(s):	Preservative:	Bottles:
( ) TOC	H_2SO_4	2 X 40 mL Amber VOAs
( ) Methane	HCl	3 X 40 mL VOAs
( ) Naphthalene, Phenol	None	2 x 1 L Ambers
( ) Alkalinity, TDS	None	1 X 500 mL Poly
( ) Phosphorus, TKN	H_2SO_4	1 x 500 mL Poly
( ) VOCs	HCl	3 X 40 mL VOAs
( ) Other _____		

Notes: _____

Groundwater Sampling Data Sheet

Project #: 185702534	**Project Name:** Task No: 200.0004/Bohannon	**Date:** 5/3/12
Site Location: San Lorenzo	**Sampler(s):** C. Melanson	
Well ID: MW-2	**Depth to Water (DTW) (ft):** 6.17	**Sample DTW (ft):** 6.36
Screen Interval (ft):	**Depth to Bottom (DTB) (ft):** 15.00	**Measurements Referenced to:** TOC
Tube/Pump Depth (ft):	**Well Diameter (inch):** 2	**OVM (ppm) =** —

CALCULATIONS:

Length of the water column: _____ (DTB) ft - _____ (DTW) ft = _____ (Water Col) ft

80% of the water level: _____ (DTW) ft + (_____ (Water Col) ft X 0.2) = _____ (Recharge water level) ft

Estimated Purge Volume (EPV): = _____ (Water col) ft X _____ (gal/lin. ft.) X 3 (Casing Volumes) = _____ Gallons

(X) Low-Flow/Micro Purging

( ) Purge at least 3 well volumes

Volume of Schedule 40 PVC Pipe		
Well Diameter.	I.D	gal/linear ft.
1.25	1.38	0.08
2	**2.067**	**0.17**
3	3.068	0.38
4	**4.026**	**0.66**
6	6.065	1.5
8	7.981	2.6
10	10.02	4.12
12	11.938	5.81

Purging Equipment:
( ) _____ Bailer
( ) Disposable Bailer
( ) Electric Submergible Pump
(X) Peristaltic Pump
( ) Other:_____

Sampling Equipment:
( ) _____ Bailer
~~(X) Pump Discharge~~
( ) Disposable Bailer
(X) Peristaltic Pump & Dedicated Tubing
( ) Other:_____

Type of Water Quality Kit Used:
(X) YSI 556
( ) Myron L
( ) Horriba
( ) Hanna
( ) Other:_____

Begin Purge at ~~1152~~ 1200

Time (24 hrs)	Volume (G / L)	Temp. (C / F)	DTW	Specific Conductivity (µS/cm)	pH (units)	Color	Odor	DO (mg/L)	Redox Potential (mV)
(every 3-5 min)		(± 10%)		(± 10%)	(± 0.2)			(± 10%)	(± 20%)
~~1155~~	~~1.0~~	~~22.01~~	~~6.17~~						
1203	1.0	20.19	6.36	1401	7.05	Clear	Mild.	0.54	-120.8
1206	2.0	20.15	6.36	1399	7.03	"	"	0.43	-124.0
1210	3.5	20.09	6.37	1398	7.01	"	"	0.50	-125.5
1215	5.0	20.17	6.36	1385	6.97	"	"	0.44	-128.0
1220	6.5	20.07	6.36	1370	6.96	"	"	0.41	-129.1
1225	8.0	20.16	6.36	1368	6.96	"	"	0.39	-129.4

Liters / Gallons Purged:	**Pump Rate in L or G /min:**
Sampling Time: 1230	**Duplicate Sample ID:** **Sample Time:**

Sample Analyzed For: SEE WORK ORDER

(√) Analyte(s):	Preservative:	Bottles:
(X) TPH-g, BTEX, MTBE	HCl	3 X 40 mL VOAs
( ) TPH-d & TPH-mo	HCl	2 x 0.5 L Ambers
( ) NO_2, NO_3 & SO_4	None	1 X 500 mL Poly
( ) Total Manganese	HNO_3	1 X 250 mL Poly
( ) Dissolved Iron	Field-filtered, HNO_3	1 X 250 mL Poly
( ) Ferrous Iron	HCl	2 X Amber VOAs
( ) SVOCs	None	2 x 1 L Ambers

Duplicate Sample Analyzed For: SEE WORK ORDER

(√) Analyte(s):	Preservative:	Bottles:
( ) TOC	H_2SO_4	2 X 40 mL Amber VOAs
( ) Methane	HCl	3 X 40 mL VOAs
( ) Naphthalene, Phenol	None	2 x 1 L Ambers
( ) Alkalinity, TDS	None	1 X 500 mL Poly
( ) Phosphorus, TKN	H_2SO_4	1 x 500 mL Poly
( ) VOCs	HCl	3 X 40 mL VOAs
( ) Other _____		

Notes:

Groundwater Sampling Data Sheet

Project #: 185702534	**Task No:** 200.0002	**Project Name:** Bohannon — **Date:** 5/3/12
Site Location: San Lorenzo	**Sampler(s):** C. McLaughlin	
Well ID: MW-3	**Depth to Water (DTW) (ft):** 5.72	**Sample DTW (ft):** 6.26
Screen Interval (ft):	**Depth to Bottom (DTB) (ft):** 14.80	**Measurements Referenced to:** TOC
Tube/Pump Depth (ft):	**Well Diameter (inch):** 2	**OVM (ppm) =** —

CALCULATIONS:

Length of the water column: _____ ft (DTB) - _____ ft (DTW) = _____ ft (Water Col)

80% of the water level: _____ ft (DTW) + (_____ ft (Water Col) X 0.2) = _____ ft (Recharge water level)

Estimated Purge Volume (EPV): = _____ ft (Water col) X _____ (gal/lin. ft.) X 3 (Casing Volumes) = _____ Gallons

(X) Low-Flow/Micro Purging

( ) Purge at least 3 well volumes

Volume of Schedule 40 PVC Pipe

Well Diameter.	I.D	gal/linear ft.
1.25	1.38	0.08
2	**2.067**	**0.17**
3	3.068	0.38
4	**4.026**	**0.66**
6	6.065	1.5
8	7.981	2.6
10	10.02	4.12
12	11.938	5.81

Purging Equipment:
- ( ) _____ Bailer
- ( ) Disposable Bailer
- ( ) Electric Submergible Pump
- (X) Peristaltic Pump
- ( ) Other:_____

Sampling Equipment:
- ( ) _____ Bailer
- ~~(X) Pump Discharge~~
- ( ) Disposable Bailer
- (X) Peristaltic Pump & Dedicated Tubing
- ( ) Other:_____

Type of Water Quality Kit Used:
- (X) YSI 556
- ( ) Myron L
- ( ) Horriba
- ( ) Hanna
- ( ) Other:_____

Begin Purge at 1237

Time (24 hrs)	Volume (G (L))	Temp. (C °F)	DTW	Specific Conductivity (µS/cm)	pH (units)	Color	Odor	DO (mg/L)	Redox Potential (mV)
(every 3-5 min)		(± 10%)		(± 10%)	(± 0.2)		Fuel	(± 10%)	(± 20%)
1240	1.0	19.12	6.06	601	7.21	Clear	~~Fuel~~	0.81	-28.1
1245	3.5	19.02	6.22	585	7.11	"	"	0.41	-24.4
1250	4.5	19.05	6.25	582	7.08	"	"	0.34	-21.6
1255	5.5	19.07	6.26	578	7.06	"	"	0.35	-18.7
1300	6.5	19.05	6.26	577	7.05	"	"	0.35	-17.7 (17.7)

Liters / Gallons Purged: | **Pump Rate in L or G /min:**

Sampling Time: 1300 | **Duplicate Sample ID:** | **Sample Time:**

Sample Analyzed For: SEE WORK ORDER

(√) Analyte(s):	Preservative:	Bottles:
(X) TPH-g, BTEX, MTBE	HCl	3 X 40 mL VOAs
( ) TPH-d & TPH-mo	HCl	2 x 0.5 L Ambers
( ) NO_2, NO_3 & SO_4	None	1 X 500 mL Poly
( ) Total Manganese	HNO_3	1 X 250 mL Poly
( ) Dissolved Iron	Field-filtered, HNO_3	1 X 250 mL Poly
( ) Ferrous Iron	HCl	2 X Amber VOAs
( ) SVOCs	None	2 x 1 L Ambers

Duplicate Sample Analyzed For: SEE WORK ORDER

(√) Analyte(s):	Preservative:	Bottles:
( ) TOC	H_2SO_4	2 X 40 mL Amber VOAs
( ) Methane	HCl	3 X 40 mL VOAs
( ) Naphthalene, Phenol	None	2 x 1 L Ambers
( ) Alkalinity, TDS	None	1 X 500 mL Poly
( ) Phosphorus, TKN	H_2SO_4	1 x 500 mL Poly
( ) VOCs	HCl	3 X 40 mL VOAs
( ) Other _____		

Notes: _____

Groundwater Sampling Data Sheet

Project #: 185702534	**Project Name:** Task No: 200.0002 Bohannon	**Date:** 5/3/12
Site Location: San Lorenzo	**Sampler(s):** C. Mclaughlin	
Well ID: PBS-B2	**Depth to Water (DTW) (ft):** 5.64	**Sample DTW (ft):** 6.58
Screen Interval (ft):	**Depth to Bottom (DTB) (ft):** 25.90	**Measurements Referenced to:** TOC
Tube/Pump Depth (ft):	**Well Diameter (inch):** 2	**OVM (ppm) =** —

CALCULATIONS:

Length of the water column: _____ (DTB) ft - _____ (DTW) ft = _____ (Water Col) ft

80% of the water level: _____ (DTW) ft + (_____ (Water Col) ft X 0.2) = _____ (Recharge water level) ft

Estimated Purge Volume (EPV): = _____ (Water col) ft X _____ (gal/lin. ft.) X 3 (Casing Volumes) = _____ Gallons

(X) Low-Flow/Micro Purging

( ) Purge at least 3 well volumes

Volume of Schedule 40 PVC Pipe		
Well Diameter.	I.D	gal/linear ft.
1.25	1.38	0.08
2	**2.067**	**0.17**
3	3.068	0.38
4	**4.026**	**0.66**
6	6.065	1.5
8	7.981	2.6
10	10.02	4.12
12	11.938	5.81

Purging Equipment:
- ( ) _____ Bailer
- ( ) Disposable Bailer
- ( ) Electric Submergible Pump
- (X) Peristaltic Pump
- ( ) Other:_____

Sampling Equipment:
- ( ) _____ Bailer
- ~~(X) Pump Discharge~~
- ( ) Disposable Bailer
- (X) Peristaltic Pump & Dedicated Tubing
- ( ) Other:_____

Type of Water Quality Kit Used:
- (X) YSI 556
- ( ) Myron L
- ( ) Horriba
- ( ) Hanna
- ( ) Other:_____

Begin Purge at 1306

Time (24 hrs)	Volume (G / L)	Temp. (°C / °F)	DTW	Specific Conductivity (µS/cm)	pH (units)	Color	Odor	DO (mg/L)	Redox Potential (mV)
(every 3-5 min)		(± 10%)		(± 10%)	(± 0.2)			(± 10%)	(± 20%)
1310	1.0	19.27	6.57	1044	6.88	Clear	none	1.10	-26.6
1315	2.5	19.18	6.73	1047	6.94	"	"	0.49	-34.5
1320	3.5	19.17	6.67	1049	6.95	"	"	0.39	-37.3
1325	4.5	19.23	6.63	1049	6.95	"	"	0.34	-39.3
1330	5.5	19.27	6.59	1049	6.95	"	"	0.29	-40.1

Liters / Gallons Purged: | **Pump Rate in L or G /min:**

Sampling Time: 1340 | **Duplicate Sample ID:** | **Sample Time:**

Sample Analyzed For: SEE WORK ORDER

(√) Analyte(s):	Preservative:	Bottles:
(X) TPH-g, BTEX, MTBE	HCl	3 X 40 mL VOAs
( ) TPH-d & TPH-mo	HCl	2 x 0.5 L Ambers
( ) NO_2, NO_3 & SO_4	None	1 X 500 mL Poly
( ) Total Manganese	HNO_3	1 X 250 mL Poly
( ) Dissolved Iron	Field-filtered, HNO_3	1 X 250 mL Poly
( ) Ferrous Iron	HCl	2 X Amber VOAs
( ) SVOCs	None	2 x 1 L Ambers

Duplicate Sample Analyzed For: SEE WORK ORDER

(√) Analyte(s):	Preservative:	Bottles:
( ) TOC	H_2SO_4	2 X 40 mL Amber VOAs
( ) Methane	HCl	3 X 40 mL VOAs
( ) Naphthalene, Phenol	None	2 x 1 L Ambers
( ) Alkalinity, TDS	None	1 X 500 mL Poly
( ) Phosphorus, TKN	H_2SO_4	1 x 500 mL Poly
( ) VOCs	HCl	3 X 40 mL VOAs
( ) Other _____		

Notes: _____

Groundwater Sampling Data Sheet

Project #: 185702534	**Project Name:** Task No: 200.0002 Bohannon	**Date:** 5/31/12
Site Location: San Lorenzo	**Sampler(s):** C. McLaughlin	
Well ID: MW-1	**Depth to Water (DTW) (ft):** 5.92	**Sample DTW (ft):** 5.98
Screen Interval (ft):	**Depth to Bottom (DTB) (ft):** 14.90	**Measurements Referenced to:** TOC
Tube/Pump Depth (ft):	**Well Diameter (inch):** 2	**OVM (ppm) =** —

CALCULATIONS:

Length of the water column: _____ ft (DTB) - _____ ft (DTW) = _____ ft (Water Col)

80% of the water level: _____ ft (DTW) + (_____ ft (Water Col) X 0.2) = _____ ft (Recharge water level)

Estimated Purge Volume (EPV): = _____ ft (Water col) X _____ (gal/lin. ft.) X 3 (Casing Volumes) = _____ Gallons

(X) Low-Flow/Micro Purging

( ) Purge at least 3 well volumes

Volume of Schedule 40 PVC Pipe		
Well Diameter.	I.D	gal/linear ft.
1.25	1.38	0.08
2	**2.067**	**0.17**
3	3.068	0.38
4	**4.026**	**0.66**
6	6.065	1.5
8	7.981	2.6
10	10.02	4.12
12	11.938	5.81

Purging Equipment:
- ( ) _____ Bailer
- ( ) Disposable Bailer
- ( ) Electric Submergible Pump
- (X) Peristaltic Pump
- ( ) Other:_____

Sampling Equipment:
- ( ) _____ Bailer
- ~~(X) Pump Discharge~~
- ( ) Disposable Bailer
- (X) Peristaltic Pump & Dedicated Tubing
- ( ) Other:_____

Type of Water Quality Kit Used:
- (X) YSI 556
- ( ) Myron L
- ( ) Horriba
- ( ) Hanna
- ( ) Other:_____

Begin Purge at 1353

Time (24 hrs)	Volume (G /L)	Temp. (C / °F)	DTW	Specific Conductivity (µS/cm)	pH (units)	Color	Odor	DO (mg/L)	Redox Potential (mV)
(every 3-5 min)		(± 10%)		(± 10%)	(± 0.2)			(± 10%)	(± 20%)
1356	1.0	19.38	6.02	1200	7.12	Clear	None	0.78	94.6
1400	2.5	19.54	5.98	1207	7.11	"	"	0.41	91.9
1405	3.5	19.67	5.98	1211	7.11	"	"	0.42	88.1
1410	4.5	19.71	5.98	1215	7.09	"	"	0.38	89.5
1415	5.5	19.70	5.98	1216	7.11	"	"	0.31	86.1
1420	6.5	19.71	5.98	1217	7.11	"	"	0.30	84.9

Liters / Gallons Purged:	**Pump Rate in L or G /min:**
Sampling Time: 1430	**Duplicate Sample ID:** **Sample Time:**

Sample Analyzed For: SEE WORK ORDER

(√) Analyte(s):	Preservative:	Bottles:
(X) TPH-g, BTEX, MTBE	HCl	3 X 40 mL VOAs
( ) TPH-d & TPH-mo	HCl	2 x 0.5 L Ambers
( ) NO_2, NO_3 & SO_4	None	1 X 500 mL Poly
( ) Total Manganese	HNO_3	1 X 250 mL Poly
( ) Dissolved Iron	Field-filtered, HNO_3	1 X 250 mL Poly
( ) Ferrous Iron	HCl	2 X Amber VOAs
( ) SVOCs	None	2 x 1 L Ambers

Duplicate Sample Analyzed For: SEE WORK ORDER

(√) Analyte(s):	Preservative:	Bottles:
( ) TOC	H_2SO_4	2 X 40 mL Amber VOAs
( ) Methane	HCl	3 X 40 mL VOAs
( ) Naphthalene, Phenol	None	2 x 1 L Ambers
( ) Alkalinity, TDS	None	1 X 500 mL Poly
( ) Phosphorus, TKN	H_2SO_4	1 x 500 mL Poly
( ) VOCs	HCl	3 X 40 mL VOAs
( ) Other _____		

Notes: _____

Groundwater Sampling Data Sheet

Project #: 185702534	**Project Name:** Task No: 208.0002 Bohannon	**Date:** 5/4/12
Site Location: San Lorenzo	**Sampler(s):** C. Mellquist	
Well ID: MW-7	**Depth to Water (DTW) (ft):** 5.20	**Sample DTW (ft):** 5.25
Screen Interval (ft):	**Depth to Bottom (DTB) (ft):** 14.90	**Measurements Referenced to:** TOC
Tube/Pump Depth (ft):	**Well Diameter (inch):** 2	**OVM (ppm) =** —

CALCULATIONS:

Length of the water column: _____ (DTB) ft - _____ (DTW) ft = _____ (Water Col) ft

80% of the water level: _____ (DTW) ft + (_____ (Water Col) ft X 0.2) = _____ (Recharge water level) ft

Estimated Purge Volume (EPV): = _____ (Water col) ft X _____ (gal/lin. ft.) X 3 (Casing Volumes) = _____ Gallons

(X) Low-Flow/Micro Purging

( ) Purge at least 3 well volumes

Volume of Schedule 40 PVC Pipe

Well Diameter.	I.D	gal/linear ft.
1.25	1.38	0.08
2	**2.067**	**0.17**
3	3.068	0.38
4	**4.026**	**0.66**
6	6.065	1.5
8	7.981	2.6
10	10.02	4.12
12	11.938	5.81

Purging Equipment:
- ( ) _____ Bailer
- ( ) Disposable Bailer
- ( ) Electric Submergible Pump
- (X) Peristaltic Pump
- ( ) Other:_____

Sampling Equipment:
- ( ) _____ Bailer
- ~~(X) Pump Discharge~~
- ( ) Disposable Bailer
- (X) Peristaltic Pump & Dedicated Tubing
- ( ) Other:_____

Type of Water Quality Kit Used:
- (X) YSI 556
- ( ) Myron L
- ( ) Horriba
- ( ) Hanna
- ( ) Other:_____

Begin Purge at 719

Time (24 hrs)	Volume (G / (L))	Temp. (C) °F)	DTW	Specific Conductivity (µS/cm)	pH (units)	Color	Odor	DO (mg/L)	Redox Potential (mV)
(every 3-5 min)		(± 10%)		(± 10%)	(± 0.2)			(± 10%)	(± 20%)
722	1.0	16.20	5.25	886	7.22	Clear	none	0.57	123.1
725	2.0	16.25	5.25	887	7.23	"	"	0.20	116.6
730	3.5	16.39	5.25	884	7.22	"	"	0.12	114.7
735	5.0	16.40	5.25	883	7.23	"	"	0.17	120.1
740	6.5	16.40	5.25	881	7.24	"	"	0.22	124.8

Liters / Gallons Purged:	**Pump Rate in L or G /min:**
Sampling Time: 740	**Duplicate Sample ID:** **Sample Time:**

Sample Analyzed For: SEE WORK ORDER

(√) Analyte(s):	Preservative:	Bottles:
(X) TPH-g, BTEX, MTBE	HCl	3 X 40 mL VOAs
( ) TPH-d & TPH-mo	HCl	2 x 0.5 L Ambers
( ) NO_2, NO_3 & SO_4	None	1 X 500 mL Poly
( ) Total Manganese	HNO_3	1 X 250 mL Poly
( ) Dissolved Iron	Field-filtered, HNO_3	1 X 250 mL Poly
( ) Ferrous Iron	HCl	2 X Amber VOAs
( ) SVOCs	None	2 x 1 L Ambers

Duplicate Sample Analyzed For: SEE WORK ORDER

(√) Analyte(s):	Preservative:	Bottles:
( ) TOC	H_2SO_4	2 X 40 mL Amber VOAs
( ) Methane	HCl	3 X 40 mL VOAs
( ) Naphthalene, Phenol	None	2 x 1 L Ambers
( ) Alkalinity, TDS	None	1 X 500 mL Poly
( ) Phosphorus, TKN	H_2SO_4	1 x 500 mL Poly
( ) VOCs	HCl	3 X 40 mL VOAs
( ) Other _____		

Notes: _____

Groundwater Sampling Data Sheet

Project #: 185702534	**Project Name:** **Task No:** 200.0002 Bohannon	**Date:** 5/4/12
Site Location: San Lorenzo	**Sampler(s):** C. Melancon	
Well ID: POBS-A1	**Depth to Water (DTW) (ft):** 6.20	**Sample DTW (ft):** 6.70
Screen Interval (ft):	**Depth to Bottom (DTB) (ft):** 17.80	**Measurements Referenced to:** TOC
Tube/Pump Depth (ft):	**Well Diameter (inch):** 1	**OVM (ppm) =** —

CALCULATIONS:

Length of the water column: _____ ft (DTB) - _____ ft (DTW) = _____ ft (Water Col)

80% of the water level: _____ ft (DTW) + (_____ ft (Water Col) X 0.2) = _____ ft (Recharge water level)

Estimated Purge Volume (EPV): = _____ ft (Water col) X _____ (gal/lin. ft.) X 3 (Casing Volumes) = _____ Gallons

(X) Low-Flow/Micro Purging

( ) Purge at least 3 well volumes

Volume of Schedule 40 PVC Pipe

Well Diameter.	I.D	gal/linear ft.
1.25	1.38	0.08
2	**2.067**	**0.17**
3	3.068	0.38
4	**4.026**	**0.66**
6	6.065	1.5
8	7.981	2.6
10	10.02	4.12
12	11.938	5.81

Purging Equipment:
- ( ) _____ Bailer
- ( ) Disposable Bailer
- ( ) Electric Submergible Pump
- (X) Peristaltic Pump
- ( ) Other:_____

Sampling Equipment:
- ( ) _____ Bailer
- ~~(X) Pump Discharge~~
- ( ) Disposable Bailer
- (X) Peristaltic Pump & Dedicated Tubing
- ( ) Other:_____

Type of Water Quality Kit Used:
- (X) YSI 556
- ( ) Myron L
- ( ) Horriba
- ( ) Hanna
- ( ) Other:_____

Begin Purge at 809

Time (24 hrs)	Volume (G / L)	Temp. (°C / °F)	DTW	Specific Conductivity (µS/cm)	pH (units)	Color	Odor	DO (mg/L)	Redox Potential (mV)
(every 3-5 min)		(± 10%)		(± 10%)	(± 0.2)			(± 10%)	(± 20%)
812	1.0	18.50	6.51	1172	6.27	Clear	mod.	0.57	-62.1
815	2.0	18.84	6.68	1080	6.66	"	"	0.36	-64.8
820	3.5	18.93	6.70	1100	6.82	"	"	0.24	-73.9
825	4.5	18.85	6.70	1137	6.84	"	"	0.18	-80.7
830	5.5	18.84	6.70	1147	6.86	"	"	0.20	-90.3
835	6.5	18.90	6.70	1148	6.87	"	"	0.19	-92.6

Liters / Gallons Purged:	**Pump Rate in L or G /min:**
Sampling Time: 840	**Duplicate Sample ID:** **Sample Time:**

Sample Analyzed For: SEE WORK ORDER

(√) Analyte(s):	Preservative:	Bottles:
(X) TPH-g, BTEX, MTBE	HCl	3 X 40 mL VOAs
( ) TPH-d & TPH-mo	HCl	2 x 0.5 L Ambers
( ) NO_2, NO_3 & SO_4	None	1 X 500 mL Poly
( ) Total Manganese	HNO_3	1 X 250 mL Poly
( ) Dissolved Iron	Field-filtered, HNO_3	1 X 250 mL Poly
( ) Ferrous Iron	HCl	2 X Amber VOAs
( ) SVOCs	None	2 x 1 L Ambers

Duplicate Sample Analyzed For: SEE WORK ORDER

(√) Analyte(s):	Preservative:	Bottles:
( ) TOC	H_2SO_4	2 X 40 mL Amber VOAs
( ) Methane	HCl	3 X 40 mL VOAs
( ) Naphthalene, Phenol	None	2 x 1 L Ambers
( ) Alkalinity, TDS	None	1 X 500 mL Poly
( ) Phosphorus, TKN	H_2SO_4	1 x 500 mL Poly
( ) VOCs	HCl	3 X 40 mL VOAs
( ) Other _____		

Notes: _____

Groundwater Sampling Data Sheet

Project #: 185702534	**Project Name:** Task No: 200.0002 Bohannon	**Date:** 5/4/12
Site Location: San Lorenzo	**Sampler(s):** C. Meluccon	
Well ID: POBG-B1	**Depth to Water (DTW) (ft):** 6.31	**Sample DTW (ft):** 6.57
Screen Interval (ft):	**Depth to Bottom (DTB) (ft):** 26.0	**Measurements Referenced to:** TOC
Tube/Pump Depth (ft):	**Well Diameter (inch):** 1	**OVM (ppm) =** —

CALCULATIONS:

Length of the water column: _____ ft (DTB) - _____ ft (DTW) = _____ ft (Water Col)

80% of the water level: _____ ft (DTW) + (_____ ft (Water Col) X 0.2) = _____ ft (Recharge water level)

Estimated Purge Volume (EPV): = _____ ft (Water col) X _____ (gal/lin. ft.) X 3 (Casing Volumes) = _____ Gallons

(X) Low-Flow/Micro Purging

( ) Purge at least 3 well volumes

Volume of Schedule 40 PVC Pipe

Well Diameter.	I.D	gal/linear ft.
1.25	1.38	0.08
2	**2.067**	**0.17**
3	3.068	0.38
4	**4.026**	**0.66**
6	6.065	1.5
8	7.981	2.6
10	10.02	4.12
12	11.938	5.81

Purging Equipment:
- ( ) _____ Bailer
- ( ) Disposable Bailer
- ( ) Electric Submergible Pump
- (X) Peristaltic Pump
- ( ) Other:_____

Sampling Equipment:
- ( ) _____ Bailer
- ~~(X) Pump Discharge~~
- ( ) Disposable Bailer
- (X) Peristaltic Pump & Dedicated Tubing
- ( ) Other:_____

Type of Water Quality Kit Used:
- (X) YSI 556
- ( ) Myron L
- ( ) Horriba
- ( ) Hanna
- ( ) Other:_____

Begin Purge at 849

Time (24 hrs)	Volume (G / L)	Temp. (C / F)	DTW	Specific Conductivity (µS/cm)	pH (units)	Color	Odor	DO (mg/L)	Redox Potential (mV)
(every 3-5 min)		(± 10%)		(± 10%)	(± 0.2)			(± 10%)	(± 20%)
852	1.0	19.30	6.60	1252	6.94	Clear	Faint	1.07	-35.9
855	2.0	19.37	6.60	1289	6.96	"	"	0.37	-27.2
900	3.0	19.46	6.57	1309	6.97	"	"	0.21	-17.7
905	4.0	19.51	6.57	1325	6.97	"	"	0.21	-2.0
910	5.0	19.49	6.57	1333	6.97	"	"	0.20	+2.4
915	6.0	19.51	6.57	1339	6.97	"	"	0.19	+3.8

Liters / Gallons Purged:	**Pump Rate in L or G /min:**
Sampling Time: 920	**Duplicate Sample ID:** **Sample Time:**

Sample Analyzed For: SEE WORK ORDER

(√) Analyte(s):	Preservative:	Bottles:
(X) TPH-g, BTEX, MTBE	HCl	3 X 40 mL VOAs
( ) TPH-d & TPH-mo	HCl	2 x 0.5 L Ambers
( ) NO_2, NO_3 & SO_4	None	1 X 500 mL Poly
( ) Total Manganese	HNO_3	1 X 250 mL Poly
( ) Dissolved Iron	Field-filtered, HNO_3	1 X 250 mL Poly
( ) Ferrous Iron	HCl	2 X Amber VOAs
( ) SVOCs	None	2 x 1 L Ambers

Duplicate Sample Analyzed For: SEE WORK ORDER

(√) Analyte(s):	Preservative:	Bottles:
( ) TOC	H_2SO_4	2 X 40 mL Amber VOAs
( ) Methane	HCl	3 X 40 mL VOAs
( ) Naphthalene, Phenol	None	2 x 1 L Ambers
( ) Alkalinity, TDS	None	1 X 500 mL Poly
( ) Phosphorus, TKN	H_2SO_4	1 x 500 mL Poly
( ) VOCs	HCl	3 X 40 mL VOAs
( ) Other _____		

Notes: _____

Stantec

HYDROLOGIC DATA SHEET

Date: 5-3-12 **Project:** *Bohannon*

Technician: C. Melancon **Project #:** 185702534 200.0002

TOC = Top of Well Casing Elevation
DTP = Depth to Free Product (FP or NAPH) Below TOC
DTW = Depth to Groundwater Below TOC
DTB = Depth to Bottom of Well Casing Below TOC

DIA = Well Casing Diameter
ELEV = Groundwater Elevation
DUP = Duplicate

WELL OR LOCATION	TIME	MEASUREMENT			COMMENTS
		DTW	DTB	Dia	
MW-1	725	5.92	14.90	2	
MW-2	730	6.17	15.00	2	
MW-3	755	5.72	14.80	2	
MW-4	720	5.38	15.30	2	
MW-5	715	5.52	14.60	2	
MW-6	705	4.82	14.75	2	DTW = 4.82
MW-7	715*	5.20*	14.90	2	car over well, sounded DTW on 5-4
POBS-A1	750	6.20	17.80	1	
POBS-B1	745	6.31	26.00	1	
POBS-B2	740	5.64	25.90	2	
NOBS-B1	800	5.25	25.60	2	

CHAIN OF CUSTODY RECORD

Stantec
Stantec Lafayette Office
57 Lafayette Circle, 2nd Floor
Lafayette, CA 94549
TEL:(925) 299-9300 FAX:(925)299-9302

Stantec Company Contact(s) for Invoice:
Project Manager: Mason Albrecht
email: mason.albrecht@stantec.com

Stantec Project #: 185702534

DATE: 5-4-12

PAGE: 1 OF 1

Project Name: Bohannon San Lorenzo

Address: 575 Paseo Grande
San Lorenzo CA

Sampler(s) Printed Name: Charles Melancon

Sampler(s) Signature:

Laboratory: TestAmerica

Lab Use Only:

Turn-around Time (Business Days):
10 DAYS [X] 5 DAYS [ ] 72 HR [ ] 48 HR [ ] 24 HR [ ] <24 HR [ ]
[ ] OTHER

REQUESTED ANALYSIS

Special Instructions or Notes:

Temperature Upon Receipt (C): 3.3°C

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	No. of Cont.	Preserve	TPHG 8015M	BTEX 8260	Laboratory Notes
	TB-1	5-3-12	640	W	3	HCl	X	X	
	MW-5		900						
	NOBS-B1		1000						
	MW-4		1040						
	MW-6		1120						
	MW-2		1230						
	MW-3		1300						
	POBS-B2		1340						
	MW-1		1430						
	MW-7	5-4-12	740						
	POBS-A1		840						
	POBS-B1		920						

	Date	Time			
Relinquished by: (Signature)	5-4-12	1015	Received by: (Signature) TestAmerica	5/4/12	1015
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)		Time:
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)		Time:

Groundwater Sampling Data Sheet

Project #: 185702534 **Task No:** 200.0002	**Project Name:** Bohannon	**Date:** 6/8/12
Site Location: San Lorenzo	**Sampler(s):**	
Well ID: MW-4	**Depth to Water (DTW) (ft):** 5.87	**Sample DTW (ft):**
Screen Interval (ft):	**Depth to Bottom (DTB) (ft):** 15.40	**Measurements Referenced to:** TOC
Tube/Pump Depth (ft): 10'	**Well Diameter (inch):** 2	**OVM (ppm) =**

CALCULATIONS:

Length of the water column: _____ (DTB) ft - _____ (DTW) ft = _____ (Water Col) ft

80% of the water level: _____ (DTW) ft + (_____ (Water Col) ft X 0.2) = _____ (Recharge water level) ft

Estimated Purge Volume (EPV): = _____ (Water col) ft X _____ (gal/lin. ft.) X 3 (Casing Volumes) = _____ Gallons

(X) Low-Flow/Micro Purging

( ) Purge at least 3 well volumes

Volume of Schedule 40 PVC Pipe		
Well Diameter.	I.D	gal/linear ft.
1.25	1.38	0.08
2	**2.067**	**0.17**
3	3.068	0.38
4	**4.026**	**0.66**
6	6.065	1.5
8	7.981	2.6
10	10.02	4.12
12	11.938	5.81

Purging Equipment:
- ( ) _____ Bailer
- ( ) Disposable Bailer
- ( ) Electric Submergible Pump
- (X) Peristaltic Pump
- ( ) Other:_____

Sampling Equipment:
- ( ) _____ Bailer
- (X) Pump Discharge
- ( ) Disposable Bailer
- ( ) Peristaltic Pump & Dedicated Tubing
- ( ) Other:_____

Type of Water Quality Kit Used:
- (X) YSI 556
- ( ) Myron L
- ( ) Horriba
- ( ) Hanna
- ( ) Other:_____

Begin Purge at 1130

Time (24 hrs)	Volume (G / (L))	Temp. (°C / °F)	DTW	Specific Conductivity (µS/cm)	pH (units)	Color	Odor	DO (mg/L)	Redox Potential (mV)
(every 3-5 min)		(± 10%)		(± 10%)	(± 0.2)			(± 10%)	(± 20%)
1133	1.0	20.16	6.03	1017	6.62	cloudy	mod.	0.37	-71.3
1136	1.5	19.73	6.02	1003	6.33	"	"	0.19	-83.1
1140	2.0	19.65	6.03	999	6.42	"	"	0.17	-98.6
1145	3.0	19.61	6.03	998	6.54	"	"	0.16	-120.4
1150	4.0	19.49	6.03	994	6.54	clear	"	0.15	-127.5
1155	5.0	19.43	6.03	991	6.55	"	"	0.13	-132.6

Liters / Gallons Purged:	**Pump Rate in L or G /min:**
Sampling Time: 1200	**Duplicate Sample ID:** **Sample Time:**

Sample Analyzed For: SEE WORK ORDER

(√) Analyte(s):	Preservative:	Bottles:
(X) TPH-g, BTEX, MTBE	HCl	3 X 40 mL VOAs
( ) TPH-d & TPH-mo	HCl	2 x 0.5 L Ambers
( ) NO_2, NO_3 & SO_4	None	1 X 500 mL Poly
( ) Total Manganese	HNO_3	1 X 250 mL Poly
( ) Dissolved Iron	Field-filtered, HNO_3	1 X 250 mL Poly
( ) Ferrous Iron	HCl	2 X Amber VOAs
( ) SVOCs	None	2 x 1 L Ambers

Duplicate Sample Analyzed For: SEE WORK ORDER

(√) Analyte(s):	Preservative:	Bottles:
( ) TOC	H_2SO_4	2 X 40 mL Amber VOAs
( ) Methane	HCl	3 X 40 mL VOAs
( ) Naphthalene, Phenol	None	2 x 1 L Ambers
( ) Alkalinity, TDS	None	1 X 500 mL Poly
( ) Phosphorus, TKN	H_2SO_4	1 x 500 mL Poly
( ) VOCs	HCl	3 X 40 mL VOAs
( ) Other _____		

Notes: Purged 10 gallons using bailer prior to purging low flow.
Ferrous Iron Hach Kit = 1.9 mg/L

CHAIN OF CUSTODY RECORD

Stantec
Stantec Lafayette Office
57 Lafayette Circle, 2nd Floor
Lafayette, CA 94549
TEL:(925) 299-9300 FAX:(925)299-9302

Stantec Company Contact(s) for Invoice:
Project Manager: Mason Albrecht
email: mason.albrecht@stantec.com

Stantec Project #: 185702534

DATE: 6-8-12

PAGE: 1 OF 1

Project Name: Bohemmon

Address: San Lorenzo CA

Sampler(s) Printed Name: Charles Melancon

Sampler(s) Signature:

Laboratory: Test America

Lab Use Only:

Turn-around Time (Business Days):

10 DAYS [X] 5 DAYS [ ] 72 HR [ ] 48 HR [ ] 24 HR [ ] <24 HR [ ]

[ ] OTHER

Special Instructions or Notes:

Temperature Upon Receipt (C):

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	No. of Cont.	Preserve	TPH's/BTEX/MTBE 8260B										Laboratory Notes
	MW-4	6-8-12	1200	W	3	HCL	X										Temp. 3.3°C

	Date:	Time:	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	6-8-12	1312		6/8/12	13 12
Relinquished by: (Signature)			Received by: (Signature)		
Relinquished by: (Signature)			Received by: (Signature)		

APPENDIX B
Laboratory Analytical Report and Chain-of-Custody for the May 2012 and June 2012 Groundwater Monitoring Events

Second Quarter 2012 (Semi-Annual) Groundwater Monitoring Report
David D. Bohannon Organization
575 Paseo Grande
San Lorenzo, California
Stantec PN: 185702534
July 27, 2012

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Pleasanton
1220 Quarry Lane
Pleasanton, CA 94566
Tel: (925)484-1919

TestAmerica Job ID: 720-41962-1
Client Project/Site: Bohannon San Lorenzo

For:
Stantec Consulting Corp.
57 Lafayette Circle
2nd Floor
Lafayette, California 94549-4321

Attn: Mr. Mason Albrecht

Authorized for release by:
5/9/2012 12:45:26 PM

Afsaneh Salimpour
Project Manager I
afsaneh.salimpour@testamericainc.com

Table of Contents

Client: Stantec Consulting Corp.
Project/Site: Bohannon San Lorenzo

TestAmerica Job ID: 720-41962-1

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Client: Stantec Consulting Corp.
Project/Site: Bohannon San Lorenzo

TestAmerica Job ID: 720-41962-1

Job ID: 720-41962-1

Laboratory: TestAmerica Pleasanton

Narrative

Job Narrative
720-41962-1

Comments
No additional comments.

Receipt
The samples were received on 5/4/2012 10:15 AM; the samples arrived in good condition, properly preserved and on ice. The temperature of the cooler at receipt was 3.30 C.

GC/MS VOA
No analytical or quality issues were noted.

Detection Summary

Client: Stantec Consulting Corp.
Project/Site: Bohannon San Lorenzo

TestAmerica Job ID: 720-41962-1

Client Sample ID: TB-1 — Lab Sample ID: 720-41962-1

No Detections

Client Sample ID: MW-5 — Lab Sample ID: 720-41962-2

No Detections

Client Sample ID: NOBS-B1 — Lab Sample ID: 720-41962-3

No Detections

Client Sample ID: MW-4 — Lab Sample ID: 720-41962-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	190		10		ug/L	20		8260B/CA_LUFT MS	Total/NA
Ethylbenzene	15		10		ug/L	20		8260B/CA_LUFT MS	Total/NA
Toluene	26		10		ug/L	20		8260B/CA_LUFT MS	Total/NA
Xylenes, Total	25		20		ug/L	20		8260B/CA_LUFT MS	Total/NA
Gasoline Range Organics (GRO) -C5-C12	6800		1000		ug/L	20		8260B/CA_LUFT MS	Total/NA

Client Sample ID: MW-6 — Lab Sample ID: 720-41962-5

No Detections

Client Sample ID: MW-2 — Lab Sample ID: 720-41962-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	22		0.50		ug/L	1		8260B/CA_LUFT MS	Total/NA
Ethylbenzene	2.1		0.50		ug/L	1		8260B/CA_LUFT MS	Total/NA
Gasoline Range Organics (GRO) -C5-C12	350		50		ug/L	1		8260B/CA_LUFT MS	Total/NA

Client Sample ID: MW-3 — Lab Sample ID: 720-41962-7

No Detections

Client Sample ID: POBS-B2 — Lab Sample ID: 720-41962-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	8.8		0.50		ug/L	1		8260B/CA_LUFT MS	Total/NA
Gasoline Range Organics (GRO) -C5-C12	83		50		ug/L	1		8260B/CA_LUFT MS	Total/NA

Client Sample ID: MW-1 — Lab Sample ID: 720-41962-9

No Detections

Client Sample ID: MW-7 — Lab Sample ID: 720-41962-10

No Detections

Detection Summary

Client: Stantec Consulting Corp.
Project/Site: Bohannon San Lorenzo

TestAmerica Job ID: 720-41962-1

Client Sample ID: POBS-A1 — Lab Sample ID: 720-41962-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	110		0.50		ug/L	1		8260B/CA_LUFT MS	Total/NA
Ethylbenzene	1.4		0.50		ug/L	1		8260B/CA_LUFT MS	Total/NA
Toluene	2.0		0.50		ug/L	1		8260B/CA_LUFT MS	Total/NA
Gasoline Range Organics (GRO) -C5-C12	540		50		ug/L	1		8260B/CA_LUFT MS	Total/NA

Client Sample ID: POBS-B1 — Lab Sample ID: 720-41962-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.80		0.50		ug/L	1		8260B/CA_LUFT MS	Total/NA

Client: Stantec Consulting Corp.
Project/Site: Bohannon San Lorenzo

TestAmerica Job ID: 720-41962-1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

Client Sample ID: TB-1
Date Collected: 05/03/12 06:40
Date Received: 05/04/12 10:15

Lab Sample ID: 720-41962-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50		ug/L			05/05/12 01:26	1
Ethylbenzene	ND		0.50		ug/L			05/05/12 01:26	1
Toluene	ND		0.50		ug/L			05/05/12 01:26	1
Xylenes, Total	ND		1.0		ug/L			05/05/12 01:26	1
Gasoline Range Organics (GRO) -C5-C12	ND		50		ug/L			05/05/12 01:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*103*		*67 - 130*		*05/05/12 01:26*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*75 - 138*		*05/05/12 01:26*	*1*
Toluene-d8 (Surr)	*102*		*70 - 130*		*05/05/12 01:26*	*1*

Client Sample ID: MW-5
Date Collected: 05/03/12 09:00
Date Received: 05/04/12 10:15

Lab Sample ID: 720-41962-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50		ug/L			05/05/12 01:55	1
Ethylbenzene	ND		0.50		ug/L			05/05/12 01:55	1
Toluene	ND		0.50		ug/L			05/05/12 01:55	1
Xylenes, Total	ND		1.0		ug/L			05/05/12 01:55	1
Gasoline Range Organics (GRO) -C5-C12	ND		50		ug/L			05/05/12 01:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*103*		*67 - 130*		*05/05/12 01:55*	*1*
1,2-Dichloroethane-d4 (Surr)	*107*		*75 - 138*		*05/05/12 01:55*	*1*
Toluene-d8 (Surr)	*103*		*70 - 130*		*05/05/12 01:55*	*1*

Client Sample ID: NOBS-B1
Date Collected: 05/03/12 10:00
Date Received: 05/04/12 10:15

Lab Sample ID: 720-41962-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50		ug/L			05/05/12 02:24	1
Ethylbenzene	ND		0.50		ug/L			05/05/12 02:24	1
Toluene	ND		0.50		ug/L			05/05/12 02:24	1
Xylenes, Total	ND		1.0		ug/L			05/05/12 02:24	1
Gasoline Range Organics (GRO) -C5-C12	ND		50		ug/L			05/05/12 02:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*104*		*67 - 130*		*05/05/12 02:24*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*75 - 138*		*05/05/12 02:24*	*1*
Toluene-d8 (Surr)	*102*		*70 - 130*		*05/05/12 02:24*	*1*

Client Sample ID: MW-4
Date Collected: 05/03/12 10:40
Date Received: 05/04/12 10:15

Lab Sample ID: 720-41962-4
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**190**		10		ug/L			05/07/12 12:58	20
Ethylbenzene	**15**		10		ug/L			05/07/12 12:58	20
Toluene	**26**		10		ug/L			05/07/12 12:58	20
Xylenes, Total	**25**		20		ug/L			05/07/12 12:58	20

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Client Sample ID: MW-4
Date Collected: 05/03/12 10:40
Date Received: 05/04/12 10:15

Lab Sample ID: 720-41962-4
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO) -C5-C12	**6800**		1000		ug/L			05/07/12 12:58	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*109*		*67 - 130*		*05/07/12 12:58*	*20*
1,2-Dichloroethane-d4 (Surr)	*104*		*75 - 138*		*05/07/12 12:58*	*20*
Toluene-d8 (Surr)	*104*		*70 - 130*		*05/07/12 12:58*	*20*

Client Sample ID: MW-6
Date Collected: 05/03/12 11:20
Date Received: 05/04/12 10:15

Lab Sample ID: 720-41962-5
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50		ug/L			05/07/12 13:26	1
Ethylbenzene	ND		0.50		ug/L			05/07/12 13:26	1
Toluene	ND		0.50		ug/L			05/07/12 13:26	1
Xylenes, Total	ND		1.0		ug/L			05/07/12 13:26	1
Gasoline Range Organics (GRO) -C5-C12	ND		50		ug/L			05/07/12 13:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*106*		*67 - 130*		*05/07/12 13:26*	*1*
1,2-Dichloroethane-d4 (Surr)	*106*		*75 - 138*		*05/07/12 13:26*	*1*
Toluene-d8 (Surr)	*103*		*70 - 130*		*05/07/12 13:26*	*1*

Client Sample ID: MW-2
Date Collected: 05/03/12 12:30
Date Received: 05/04/12 10:15

Lab Sample ID: 720-41962-6
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**22**		0.50		ug/L			05/07/12 14:53	1
Ethylbenzene	**2.1**		0.50		ug/L			05/07/12 14:53	1
Toluene	ND		0.50		ug/L			05/07/12 14:53	1
Xylenes, Total	ND		1.0		ug/L			05/07/12 14:53	1
Gasoline Range Organics (GRO) -C5-C12	**350**		50		ug/L			05/07/12 14:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*114*		*67 - 130*		*05/07/12 14:53*	*1*
1,2-Dichloroethane-d4 (Surr)	*109*		*75 - 138*		*05/07/12 14:53*	*1*
Toluene-d8 (Surr)	*104*		*70 - 130*		*05/07/12 14:53*	*1*

Client Sample ID: MW-3
Date Collected: 05/03/12 13:00
Date Received: 05/04/12 10:15

Lab Sample ID: 720-41962-7
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50		ug/L			05/07/12 15:22	1
Ethylbenzene	ND		0.50		ug/L			05/07/12 15:22	1
Toluene	ND		0.50		ug/L			05/07/12 15:22	1
Xylenes, Total	ND		1.0		ug/L			05/07/12 15:22	1
Gasoline Range Organics (GRO) -C5-C12	ND		50		ug/L			05/07/12 15:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*109*		*67 - 130*		*05/07/12 15:22*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*75 - 138*		*05/07/12 15:22*	*1*

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Client Sample ID: MW-3
Date Collected: 05/03/12 13:00
Date Received: 05/04/12 10:15

Lab Sample ID: 720-41962-7
Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*103*		*70 - 130*		*05/07/12 15:22*	*1*

Client Sample ID: POBS-B2
Date Collected: 05/03/12 13:40
Date Received: 05/04/12 10:15

Lab Sample ID: 720-41962-8
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**8.8**		0.50		ug/L			05/07/12 15:50	1
Ethylbenzene	ND		0.50		ug/L			05/07/12 15:50	1
Toluene	ND		0.50		ug/L			05/07/12 15:50	1
Xylenes, Total	ND		1.0		ug/L			05/07/12 15:50	1
Gasoline Range Organics (GRO) -C5-C12	**83**		50		ug/L			05/07/12 15:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*110*		*67 - 130*		*05/07/12 15:50*	*1*
1,2-Dichloroethane-d4 (Surr)	*106*		*75 - 138*		*05/07/12 15:50*	*1*
Toluene-d8 (Surr)	*104*		*70 - 130*		*05/07/12 15:50*	*1*

Client Sample ID: MW-1
Date Collected: 05/03/12 14:30
Date Received: 05/04/12 10:15

Lab Sample ID: 720-41962-9
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50		ug/L			05/07/12 16:19	1
Ethylbenzene	ND		0.50		ug/L			05/07/12 16:19	1
Toluene	ND		0.50		ug/L			05/07/12 16:19	1
Xylenes, Total	ND		1.0		ug/L			05/07/12 16:19	1
Gasoline Range Organics (GRO) -C5-C12	ND		50		ug/L			05/07/12 16:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*105*		*67 - 130*		*05/07/12 16:19*	*1*
1,2-Dichloroethane-d4 (Surr)	*108*		*75 - 138*		*05/07/12 16:19*	*1*
Toluene-d8 (Surr)	*103*		*70 - 130*		*05/07/12 16:19*	*1*

Client Sample ID: MW-7
Date Collected: 05/04/12 07:40
Date Received: 05/04/12 10:15

Lab Sample ID: 720-41962-10
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50		ug/L			05/07/12 16:48	1
Ethylbenzene	ND		0.50		ug/L			05/07/12 16:48	1
Toluene	ND		0.50		ug/L			05/07/12 16:48	1
Xylenes, Total	ND		1.0		ug/L			05/07/12 16:48	1
Gasoline Range Organics (GRO) -C5-C12	ND		50		ug/L			05/07/12 16:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*107*		*67 - 130*		*05/07/12 16:48*	*1*
1,2-Dichloroethane-d4 (Surr)	*107*		*75 - 138*		*05/07/12 16:48*	*1*
Toluene-d8 (Surr)	*103*		*70 - 130*		*05/07/12 16:48*	*1*

Client: Stantec Consulting Corp.
Project/Site: Bohannon San Lorenzo

TestAmerica Job ID: 720-41962-1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

Client Sample ID: POBS-A1
Date Collected: 05/04/12 08:40
Date Received: 05/04/12 10:15

Lab Sample ID: 720-41962-11
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**110**		0.50		ug/L			05/07/12 17:16	1
Ethylbenzene	**1.4**		0.50		ug/L			05/07/12 17:16	1
Toluene	**2.0**		0.50		ug/L			05/07/12 17:16	1
Xylenes, Total	ND		1.0		ug/L			05/07/12 17:16	1
Gasoline Range Organics (GRO) -C5-C12	**540**		50		ug/L			05/07/12 17:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*111*		*67 - 130*		*05/07/12 17:16*	*1*
1,2-Dichloroethane-d4 (Surr)	*110*		*75 - 138*		*05/07/12 17:16*	*1*
Toluene-d8 (Surr)	*105*		*70 - 130*		*05/07/12 17:16*	*1*

Client Sample ID: POBS-B1
Date Collected: 05/04/12 09:20
Date Received: 05/04/12 10:15

Lab Sample ID: 720-41962-12
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.80**		0.50		ug/L			05/07/12 17:45	1
Ethylbenzene	ND		0.50		ug/L			05/07/12 17:45	1
Toluene	ND		0.50		ug/L			05/07/12 17:45	1
Xylenes, Total	ND		1.0		ug/L			05/07/12 17:45	1
Gasoline Range Organics (GRO) -C5-C12	ND		50		ug/L			05/07/12 17:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*109*		*67 - 130*		*05/07/12 17:45*	*1*
1,2-Dichloroethane-d4 (Surr)	*110*		*75 - 138*		*05/07/12 17:45*	*1*
Toluene-d8 (Surr)	*103*		*70 - 130*		*05/07/12 17:45*	*1*

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

Lab Sample ID: MB 720-113043/4
Matrix: Water
Analysis Batch: 113043

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50		ug/L			05/04/12 16:20	1
Ethylbenzene	ND		0.50		ug/L			05/04/12 16:20	1
Toluene	ND		0.50		ug/L			05/04/12 16:20	1
m-Xylene & p-Xylene	ND		1.0		ug/L			05/04/12 16:20	1
o-Xylene	ND		0.50		ug/L			05/04/12 16:20	1
Xylenes, Total	ND		1.0		ug/L			05/04/12 16:20	1
Gasoline Range Organics (GRO) -C5-C12	ND		50		ug/L			05/04/12 16:20	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*107*		*67 - 130*		*05/04/12 16:20*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*75 - 138*		*05/04/12 16:20*	*1*
Toluene-d8 (Surr)	*103*		*70 - 130*		*05/04/12 16:20*	*1*

Lab Sample ID: LCS 720-113043/5
Matrix: Water
Analysis Batch: 113043

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene			25.0	24.4		ug/L		98	79 - 130		
Ethylbenzene			25.0	23.1		ug/L		92	80 - 120		
Toluene			25.0	23.2		ug/L		93	78 - 120		
m-Xylene & p-Xylene			50.0	47.4		ug/L		95	70 - 142		
o-Xylene			25.0	24.8		ug/L		99	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*102*		*67 - 130*
1,2-Dichloroethane-d4 (Surr)	*101*		*75 - 138*
Toluene-d8 (Surr)	*103*		*70 - 130*

Lab Sample ID: LCS 720-113043/7
Matrix: Water
Analysis Batch: 113043

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics (GRO) -C5-C12			500	425		ug/L		85	62 - 120		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*107*		*67 - 130*
1,2-Dichloroethane-d4 (Surr)	*105*		*75 - 138*
Toluene-d8 (Surr)	*104*		*70 - 130*

Lab Sample ID: LCSD 720-113043/6
Matrix: Water
Analysis Batch: 113043

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene			25.0	24.7		ug/L		99	79 - 130	1	20

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCSD 720-113043/6
Matrix: Water
Analysis Batch: 113043

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Ethylbenzene			25.0	23.0		ug/L		92	80 - 120	0	20
Toluene			25.0	23.3		ug/L		93	78 - 120	0	20
m-Xylene & p-Xylene			50.0	47.7		ug/L		95	70 - 142	1	20
o-Xylene			25.0	24.9		ug/L		100	70 - 130	0	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*102*		*67 - 130*
1,2-Dichloroethane-d4 (Surr)	*102*		*75 - 138*
Toluene-d8 (Surr)	*103*		*70 - 130*

Lab Sample ID: LCSD 720-113043/8
Matrix: Water
Analysis Batch: 113043

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO) -C5-C12			500	452		ug/L		90	62 - 120	6	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*106*		*67 - 130*
1,2-Dichloroethane-d4 (Surr)	*107*		*75 - 138*
Toluene-d8 (Surr)	*103*		*70 - 130*

Lab Sample ID: MB 720-113098/7
Matrix: Water
Analysis Batch: 113098

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50		ug/L			05/07/12 10:05	1
Ethylbenzene	ND		0.50		ug/L			05/07/12 10:05	1
Toluene	ND		0.50		ug/L			05/07/12 10:05	1
m-Xylene & p-Xylene	ND		1.0		ug/L			05/07/12 10:05	1
o-Xylene	ND		0.50		ug/L			05/07/12 10:05	1
Xylenes, Total	ND		1.0		ug/L			05/07/12 10:05	1
Gasoline Range Organics (GRO) -C5-C12	ND		50		ug/L			05/07/12 10:05	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*105*		*67 - 130*		*05/07/12 10:05*	*1*
1,2-Dichloroethane-d4 (Surr)	*109*		*75 - 138*		*05/07/12 10:05*	*1*
Toluene-d8 (Surr)	*103*		*70 - 130*		*05/07/12 10:05*	*1*

Lab Sample ID: LCS 720-113098/10
Matrix: Water
Analysis Batch: 113098

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics (GRO) -C5-C12			500	447		ug/L		89	62 - 120		

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCS 720-113098/10
Matrix: Water
Analysis Batch: 113098

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

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene	*107*		*67 - 130*
1,2-Dichloroethane-d4 (Surr)	*108*		*75 - 138*
Toluene-d8 (Surr)	*103*		*70 - 130*

Lab Sample ID: LCS 720-113098/8
Matrix: Water
Analysis Batch: 113098

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene			25.0	26.2		ug/L		105	79 - 130		
Ethylbenzene			25.0	24.7		ug/L		99	80 - 120		
Toluene			25.0	24.3		ug/L		97	78 - 120		
m-Xylene & p-Xylene			50.0	51.0		ug/L		102	70 - 142		
o-Xylene			25.0	26.9		ug/L		108	70 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene	*105*		*67 - 130*
1,2-Dichloroethane-d4 (Surr)	*104*		*75 - 138*
Toluene-d8 (Surr)	*103*		*70 - 130*

Lab Sample ID: LCSD 720-113098/11
Matrix: Water
Analysis Batch: 113098

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO) -C5-C12			500	441		ug/L		88	62 - 120	1	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene	*107*		*67 - 130*
1,2-Dichloroethane-d4 (Surr)	*105*		*75 - 138*
Toluene-d8 (Surr)	*104*		*70 - 130*

Lab Sample ID: LCSD 720-113098/9
Matrix: Water
Analysis Batch: 113098

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene			25.0	26.0		ug/L		104	79 - 130	1	20
Ethylbenzene			25.0	24.3		ug/L		97	80 - 120	2	20
Toluene			25.0	24.7		ug/L		99	78 - 120	2	20
m-Xylene & p-Xylene			50.0	50.4		ug/L		101	70 - 142	1	20
o-Xylene			25.0	26.5		ug/L		106	70 - 130	1	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene	*101*		*67 - 130*
1,2-Dichloroethane-d4 (Surr)	*101*		*75 - 138*
Toluene-d8 (Surr)	*104*		*70 - 130*

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: 720-41962-5 MS
Matrix: Water
Analysis Batch: 113098

Client Sample ID: MW-6
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	ND		25.0	26.0		ug/L		104	60 - 140
Ethylbenzene	ND		25.0	24.1		ug/L		96	60 - 140
Toluene	ND		25.0	24.2		ug/L		97	60 - 140
m-Xylene & p-Xylene	ND		50.0	49.8		ug/L		100	60 - 140
o-Xylene	ND		25.0	26.1		ug/L		104	60 - 140

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene	*102*		*67 - 130*
1,2-Dichloroethane-d4 (Surr)	*106*		*75 - 138*
Toluene-d8 (Surr)	*104*		*70 - 130*

Lab Sample ID: 720-41962-5 MSD
Matrix: Water
Analysis Batch: 113098

Client Sample ID: MW-6
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	ND		25.0	25.7		ug/L		103	60 - 140	1	20
Ethylbenzene	ND		25.0	24.0		ug/L		96	60 - 140	0	20
Toluene	ND		25.0	24.1		ug/L		96	60 - 140	0	20
m-Xylene & p-Xylene	ND		50.0	49.4		ug/L		99	60 - 140	1	20
o-Xylene	ND		25.0	26.1		ug/L		104	60 - 140	0	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene	*101*		*67 - 130*
1,2-Dichloroethane-d4 (Surr)	*98*		*75 - 138*
Toluene-d8 (Surr)	*104*		*70 - 130*

GC/MS VOA

Analysis Batch: 113043

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-41962-1	TB-1	Total/NA	Water	8260B/CA_LUFT MS	
720-41962-2	MW-5	Total/NA	Water	8260B/CA_LUFT MS	
720-41962-3	NOBS-B1	Total/NA	Water	8260B/CA_LUFT MS	
LCS 720-113043/5	Lab Control Sample	Total/NA	Water	8260B/CA_LUFT MS	
LCS 720-113043/7	Lab Control Sample	Total/NA	Water	8260B/CA_LUFT MS	
LCSD 720-113043/6	Lab Control Sample Dup	Total/NA	Water	8260B/CA_LUFT MS	
LCSD 720-113043/8	Lab Control Sample Dup	Total/NA	Water	8260B/CA_LUFT MS	
MB 720-113043/4	Method Blank	Total/NA	Water	8260B/CA_LUFT MS	

Analysis Batch: 113098

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-41962-4	MW-4	Total/NA	Water	8260B/CA_LUFT MS	
720-41962-5	MW-6	Total/NA	Water	8260B/CA_LUFT MS	
720-41962-5 MS	MW-6	Total/NA	Water	8260B/CA_LUFT MS	
720-41962-5 MSD	MW-6	Total/NA	Water	8260B/CA_LUFT MS	
720-41962-6	MW-2	Total/NA	Water	8260B/CA_LUFT MS	
720-41962-7	MW-3	Total/NA	Water	8260B/CA_LUFT MS	
720-41962-8	POBS-B2	Total/NA	Water	8260B/CA_LUFT MS	
720-41962-9	MW-1	Total/NA	Water	8260B/CA_LUFT MS	
720-41962-10	MW-7	Total/NA	Water	8260B/CA_LUFT MS	
720-41962-11	POBS-A1	Total/NA	Water	8260B/CA_LUFT MS	
720-41962-12	POBS-B1	Total/NA	Water	8260B/CA_LUFT MS	
LCS 720-113098/10	Lab Control Sample	Total/NA	Water	8260B/CA_LUFT MS	
LCS 720-113098/8	Lab Control Sample	Total/NA	Water	8260B/CA_LUFT MS	
LCSD 720-113098/11	Lab Control Sample Dup	Total/NA	Water	8260B/CA_LUFT MS	
LCSD 720-113098/9	Lab Control Sample Dup	Total/NA	Water	8260B/CA_LUFT MS	
MB 720-113098/7	Method Blank	Total/NA	Water	8260B/CA_LUFT MS	

Lab Chronicle

Client: Stantec Consulting Corp.
Project/Site: Bohannon San Lorenzo

TestAmerica Job ID: 720-41962-1

Client Sample ID: TB-1 — Lab Sample ID: 720-41962-1

Date Collected: 05/03/12 06:40 — **Matrix: Water**
Date Received: 05/04/12 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B/CA_LUFTMS		1	113043	05/05/12 01:26	DH	TAL SF

Client Sample ID: MW-5 — Lab Sample ID: 720-41962-2

Date Collected: 05/03/12 09:00 — **Matrix: Water**
Date Received: 05/04/12 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B/CA_LUFTMS		1	113043	05/05/12 01:55	DH	TAL SF

Client Sample ID: NOBS-B1 — Lab Sample ID: 720-41962-3

Date Collected: 05/03/12 10:00 — **Matrix: Water**
Date Received: 05/04/12 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B/CA_LUFTMS		1	113043	05/05/12 02:24	DH	TAL SF

Client Sample ID: MW-4 — Lab Sample ID: 720-41962-4

Date Collected: 05/03/12 10:40 — **Matrix: Water**
Date Received: 05/04/12 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B/CA_LUFTMS		20	113098	05/07/12 12:58	AC	TAL SF

Client Sample ID: MW-6 — Lab Sample ID: 720-41962-5

Date Collected: 05/03/12 11:20 — **Matrix: Water**
Date Received: 05/04/12 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B/CA_LUFTMS		1	113098	05/07/12 13:26	AC	TAL SF

Client Sample ID: MW-2 — Lab Sample ID: 720-41962-6

Date Collected: 05/03/12 12:30 — **Matrix: Water**
Date Received: 05/04/12 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B/CA_LUFTMS		1	113098	05/07/12 14:53	AC	TAL SF

Client Sample ID: MW-3 — Lab Sample ID: 720-41962-7

Date Collected: 05/03/12 13:00 — **Matrix: Water**
Date Received: 05/04/12 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B/CA_LUFTMS		1	113098	05/07/12 15:22	AC	TAL SF

Lab Chronicle

Client: Stantec Consulting Corp.
Project/Site: Bohannon San Lorenzo

TestAmerica Job ID: 720-41962-1

Client Sample ID: POBS-B2

Lab Sample ID: 720-41962-8

Date Collected: 05/03/12 13:40
Matrix: Water
Date Received: 05/04/12 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B/CA_LUFTMS		1	113098	05/07/12 15:50	AC	TAL SF

Client Sample ID: MW-1

Lab Sample ID: 720-41962-9

Date Collected: 05/03/12 14:30
Matrix: Water
Date Received: 05/04/12 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B/CA_LUFTMS		1	113098	05/07/12 16:19	AC	TAL SF

Client Sample ID: MW-7

Lab Sample ID: 720-41962-10

Date Collected: 05/04/12 07:40
Matrix: Water
Date Received: 05/04/12 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B/CA_LUFTMS		1	113098	05/07/12 16:48	AC	TAL SF

Client Sample ID: POBS-A1

Lab Sample ID: 720-41962-11

Date Collected: 05/04/12 08:40
Matrix: Water
Date Received: 05/04/12 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B/CA_LUFTMS		1	113098	05/07/12 17:16	AC	TAL SF

Client Sample ID: POBS-B1

Lab Sample ID: 720-41962-12

Date Collected: 05/04/12 09:20
Matrix: Water
Date Received: 05/04/12 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B/CA_LUFTMS		1	113098	05/07/12 17:45	AC	TAL SF

Laboratory References:

TAL SF = TestAmerica Pleasanton, 1220 Quarry Lane, Pleasanton, CA 94566, TEL (925)484-1919

Certification Summary

Client: Stantec Consulting Corp.
Project/Site: Bohannon San Lorenzo

TestAmerica Job ID: 720-41962-1

Laboratory	Authority	Program	EPA Region	Certification ID

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

Method Summary

Client: Stantec Consulting Corp.
Project/Site: Bohannon San Lorenzo

TestAmerica Job ID: 720-41962-1

Method	Method Description	Protocol	Laboratory
8260B/CA_LUFTMS	8260B / CA LUFT MS	SW846	TAL SF

Protocol References:

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

Laboratory References:

TAL SF = TestAmerica Pleasanton, 1220 Quarry Lane, Pleasanton, CA 94566, TEL (925)484-1919

Sample Summary

Client: Stantec Consulting Corp.
Project/Site: Bohannon San Lorenzo

TestAmerica Job ID: 720-41962-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
720-41962-1	TB-1	Water	05/03/12 06:40	05/04/12 10:15
720-41962-2	MW-5	Water	05/03/12 09:00	05/04/12 10:15
720-41962-3	NOBS-B1	Water	05/03/12 10:00	05/04/12 10:15
720-41962-4	MW-4	Water	05/03/12 10:40	05/04/12 10:15
720-41962-5	MW-6	Water	05/03/12 11:20	05/04/12 10:15
720-41962-6	MW-2	Water	05/03/12 12:30	05/04/12 10:15
720-41962-7	MW-3	Water	05/03/12 13:00	05/04/12 10:15
720-41962-8	POBS-B2	Water	05/03/12 13:40	05/04/12 10:15
720-41962-9	MW-1	Water	05/03/12 14:30	05/04/12 10:15
720-41962-10	MW-7	Water	05/04/12 07:40	05/04/12 10:15
720-41962-11	POBS-A1	Water	05/04/12 08:40	05/04/12 10:15
720-41962-12	POBS-B1	Water	05/04/12 09:20	05/04/12 10:15

720-41962

138130

CHAIN OF CUSTODY RECORD

Stantec
Stantec Lafayette Office
57 Lafayette Circle, 2nd Floor
Lafayette, CA 94549
TEL:(925) 299-9300 FAX:(925)299-9302

Stantec Company Contact(s) for Invoice:
Project Manager: Mason Albrecht
email: mason.albrecht@stantec.com

Stantec Project #: 185702534

DATE: 5-4-12

PAGE: 1 OF 1

Project Name: Bohannon San Lorenzo

Address: 575 Paseo Grande
San Lorenzo CA

Sampler(s) Printed Name: Charles Melancon

Sampler(s) Signature:

Laboratory: TestAmerica

Lab Use Only:

Turn-around Time (Business Days):

10 DAYS [X] 5 DAYS [ ] 72 HR [ ] 48 HR [ ] 24 HR [ ] <24 HR [ ]

[ ] OTHER

Special Instructions or Notes:

Temperature Upon Receipt (C): 3.3°C

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	No. of Cont.	Preserve	TPHG 8015M	BTEX 8260	Laboratory Notes
	TB-1	5-3-12	640	W	3	HCl	X	X	
	MW-5		900						
	NOBS-B1		1000						
	MW-4		1040						
	MW-6		1120						
	MW-2		1230						
	MW-3		1300						
	POBS-B2		1340						
	MW-1		1430						
	MW-7	5-4-12	740						
	POBS-A1		840						
	POBS-B1		920						

	Date	Time			
Relinquished by: (Signature)	5-4-12	1015	Received by: (Signature) TestAmerica	5/4/12	1015
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)		Time:
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)		Time:

5/9/2012

Login Sample Receipt Checklist

Client: Stantec Consulting Corp.

Job Number: 720-41962-1

Login Number: 41962

List Source: TestAmerica Pleasanton

List Number: 1

Creator: Apostol, Anita

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Pleasanton
1220 Quarry Lane
Pleasanton, CA 94566
Tel: (925)484-1919

TestAmerica Job ID: 720-42599-1
Client Project/Site: Bohannon San Lorenzo

For:
Stantec Consulting Corp.
57 Lafayette Circle
2nd Floor
Lafayette, California 94549-4321

Attn: Mr. Mason Albrecht

Authorized for release by:
6/15/2012 3:34:12 PM
Onieka Howard
Project Manager I
onieka.howard@testamericainc.com

Designee for

Afsaneh Salimpour
Project Manager I
afsaneh.salimpour@testamericainc.com

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

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

Table of Contents

Client: Stantec Consulting Corp.
Project/Site: Bohannon San Lorenzo

TestAmerica Job ID: 720-42599-1

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 720-42599-1

Laboratory: TestAmerica Pleasanton

Narrative

Job Narrative
720-42599-1

Comments
No additional comments.

Receipt
The sample was received on 6/8/2012 1:12 PM; the sample arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.3º C.

GC/MS VOA
No analytical or quality issues were noted.

Detection Summary

Client: Stantec Consulting Corp.
Project/Site: Bohannon San Lorenzo

TestAmerica Job ID: 720-42599-1

Client Sample ID: MW-4

Lab Sample ID: 720-42599-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	83		0.50		ug/L	1		8260B/CA_LUFT MS	Total/NA
Ethylbenzene	7.1		0.50		ug/L	1		8260B/CA_LUFT MS	Total/NA
Toluene	11		0.50		ug/L	1		8260B/CA_LUFT MS	Total/NA
Xylenes, Total	11		1.0		ug/L	1		8260B/CA_LUFT MS	Total/NA
Gasoline Range Organics (GRO) -C5-C12	3400		50		ug/L	1		8260B/CA_LUFT MS	Total/NA

Client: Stantec Consulting Corp.
Project/Site: Bohannon San Lorenzo

TestAmerica Job ID: 720-42599-1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

Client Sample ID: MW-4
Date Collected: 06/08/12 12:00
Date Received: 06/08/12 13:12

Lab Sample ID: 720-42599-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**83**		0.50		ug/L			06/12/12 02:00	1
Ethylbenzene	**7.1**		0.50		ug/L			06/12/12 02:00	1
Toluene	**11**		0.50		ug/L			06/12/12 02:00	1
Xylenes, Total	**11**		1.0		ug/L			06/12/12 02:00	1
Gasoline Range Organics (GRO) -C5-C12	**3400**		50		ug/L			06/12/12 02:00	1
Methyl tert-butyl ether	ND		0.50		ug/L			06/12/12 02:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*121*		*67 - 130*		*06/12/12 02:00*	*1*
1,2-Dichloroethane-d4 (Surr)	*106*		*75 - 138*		*06/12/12 02:00*	*1*
Toluene-d8 (Surr)	*104*		*70 - 130*		*06/12/12 02:00*	*1*

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

Lab Sample ID: MB 720-115181/5
Matrix: Water
Analysis Batch: 115181

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50		ug/L			06/11/12 19:47	1
Ethylbenzene	ND		0.50		ug/L			06/11/12 19:47	1
Toluene	ND		0.50		ug/L			06/11/12 19:47	1
Xylenes, Total	ND		1.0		ug/L			06/11/12 19:47	1
Gasoline Range Organics (GRO) -C5-C12	ND		50		ug/L			06/11/12 19:47	1
Methyl tert-butyl ether	ND		0.50		ug/L			06/11/12 19:47	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*99*		*67 - 130*		*06/11/12 19:47*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*75 - 138*		*06/11/12 19:47*	*1*
Toluene-d8 (Surr)	*100*		*70 - 130*		*06/11/12 19:47*	*1*

Lab Sample ID: LCS 720-115181/6
Matrix: Water
Analysis Batch: 115181

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	25.0	24.8		ug/L		99	79 - 130
Ethylbenzene	25.0	25.0		ug/L		100	80 - 120
Toluene	25.0	24.7		ug/L		99	78 - 120
m-Xylene & p-Xylene	50.0	55.4		ug/L		111	70 - 142
o-Xylene	25.0	26.8		ug/L		107	70 - 130
Methyl tert-butyl ether	25.0	29.2		ug/L		117	62 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*104*		*67 - 130*
1,2-Dichloroethane-d4 (Surr)	*99*		*75 - 138*
Toluene-d8 (Surr)	*117*		*70 - 130*

Lab Sample ID: LCS 720-115181/8
Matrix: Water
Analysis Batch: 115181

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO) -C5-C12	500	459		ug/L		92	62 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*118*		*67 - 130*
1,2-Dichloroethane-d4 (Surr)	*99*		*75 - 138*
Toluene-d8 (Surr)	*101*		*70 - 130*

Lab Sample ID: LCSD 720-115181/7
Matrix: Water
Analysis Batch: 115181

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	25.0	24.7		ug/L		99	79 - 130	0	20

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCSD 720-115181/7
Matrix: Water
Analysis Batch: 115181

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Ethylbenzene			25.0	24.8		ug/L		99	80 - 120	1	20
Toluene			25.0	21.5		ug/L		86	78 - 120	14	20
m-Xylene & p-Xylene			50.0	54.8		ug/L		110	70 - 142	1	20
o-Xylene			25.0	26.0		ug/L		104	70 - 130	3	20
Methyl tert-butyl ether			25.0	29.7		ug/L		119	62 - 130	2	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*87*		*67 - 130*
1,2-Dichloroethane-d4 (Surr)	*101*		*75 - 138*
Toluene-d8 (Surr)	*101*		*70 - 130*

Lab Sample ID: LCSD 720-115181/9
Matrix: Water
Analysis Batch: 115181

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO) -C5-C12			500	451		ug/L		90	62 - 120	2	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*118*		*67 - 130*
1,2-Dichloroethane-d4 (Surr)	*101*		*75 - 138*
Toluene-d8 (Surr)	*101*		*70 - 130*

QC Association Summary

Client: Stantec Consulting Corp.
Project/Site: Bohannon San Lorenzo

TestAmerica Job ID: 720-42599-1

GC/MS VOA

Analysis Batch: 115181

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-42599-1	MW-4	Total/NA	Water	8260B/CA_LUFT MS	
LCS 720-115181/6	Lab Control Sample	Total/NA	Water	8260B/CA_LUFT MS	
LCS 720-115181/8	Lab Control Sample	Total/NA	Water	8260B/CA_LUFT MS	
LCSD 720-115181/7	Lab Control Sample Dup	Total/NA	Water	8260B/CA_LUFT MS	
LCSD 720-115181/9	Lab Control Sample Dup	Total/NA	Water	8260B/CA_LUFT MS	
MB 720-115181/5	Method Blank	Total/NA	Water	8260B/CA_LUFT MS	

Lab Chronicle

Client: Stantec Consulting Corp.
Project/Site: Bohannon San Lorenzo

TestAmerica Job ID: 720-42599-1

Client Sample ID: MW-4
Date Collected: 06/08/12 12:00
Date Received: 06/08/12 13:12

Lab Sample ID: 720-42599-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B/CA_LUFTMS		1	115181	06/12/12 02:00	AC	TAL SF

Laboratory References:

TAL SF = TestAmerica Pleasanton, 1220 Quarry Lane, Pleasanton, CA 94566, TEL (925)484-1919

Certification Summary

Client: Stantec Consulting Corp.
Project/Site: Bohannon San Lorenzo

TestAmerica Job ID: 720-42599-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Pleasanton	California	State Program	9	2496

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

Method Summary

Client: Stantec Consulting Corp.
Project/Site: Bohannon San Lorenzo

TestAmerica Job ID: 720-42599-1

Method	Method Description	Protocol	Laboratory
8260B/CA_LUFTMS	8260B / CA LUFT MS	SW846	TAL SF

Protocol References:

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

Laboratory References:

TAL SF = TestAmerica Pleasanton, 1220 Quarry Lane, Pleasanton, CA 94566, TEL (925)484-1919

Sample Summary

Client: Stantec Consulting Corp.
Project/Site: Bohannon San Lorenzo

TestAmerica Job ID: 720-42599-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
720-42599-1	MW-4	Water	06/08/12 12:00	06/08/12 13:12

720.42599

CHAIN OF CUSTODY RECORD

1387168

Stantec
Stantec Lafayette Office
57 Lafayette Circle, 2nd Floor
Lafayette, CA 94549
TEL:(925) 299-9300 FAX:(925)299-9302

Stantec Company Contact(s) for Invoice:
Project Manager: Mason Albrecht
email: mason.albrecht@stantec.com

Stantec Project #: 185702534

DATE: 6-8-12

PAGE: 1 OF 1

Project Name: Bohannon

Address: San Lorenzo CA

Sampler(s) Printed Name: Charles Meluncon

Sampler(s) Signature:

Laboratory: Test America

Lab Use Only:

Turn-around Time (Business Days):

10 DAYS [X] 5 DAYS [ ] 72 HR [ ] 48 HR [ ] 24 HR [ ] <24 HR [ ]

[ ] OTHER

Special Instructions or Notes:

Temperature Upon Receipt (C):

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	No. of Cont.	Preserve	TPH-g/BTEX/MTBE 8260B	Laboratory Notes
	MW-4	6-8-12	1200	W	3	HCL	X	Temp. 3.3°C

	Date:	Time:	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	6-8-12	1312		6/8/12	1312
Relinquished by: (Signature)			Received by: (Signature)		
Relinquished by: (Signature)			Received by: (Signature)		

6/15/2012

Login Sample Receipt Checklist

Client: Stantec Consulting Corp.

Job Number: 720-42599-1

Login Number: 42599

List Source: TestAmerica Pleasanton

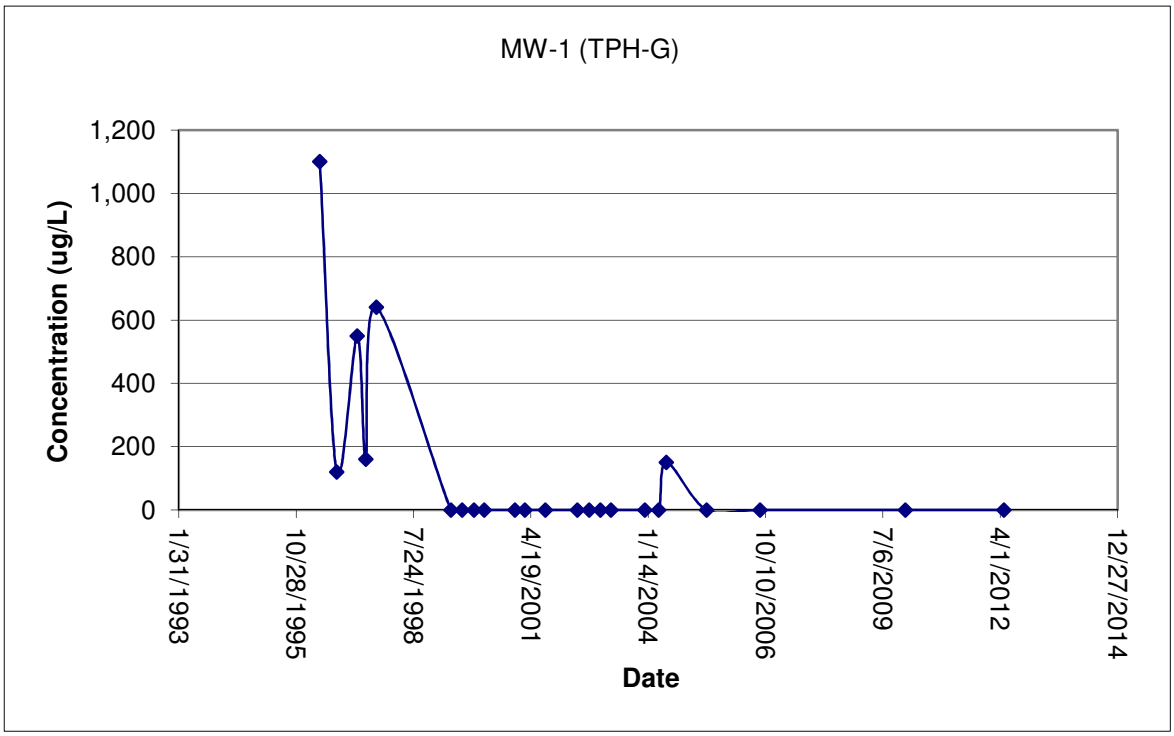
List Number: 1

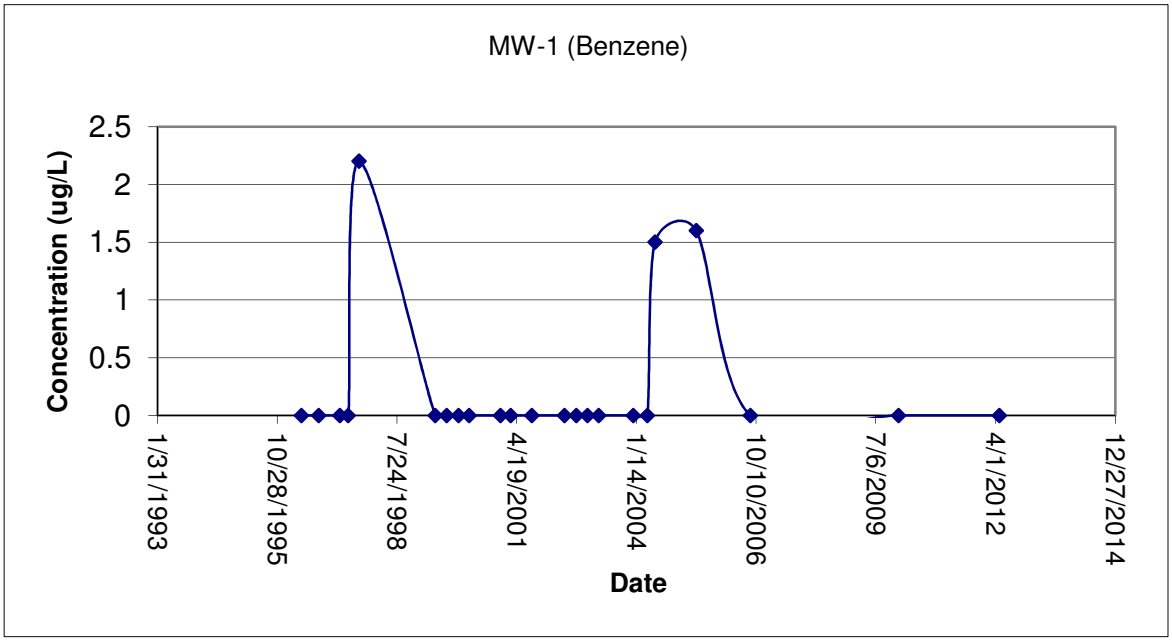
Creator: Apostol, Anita

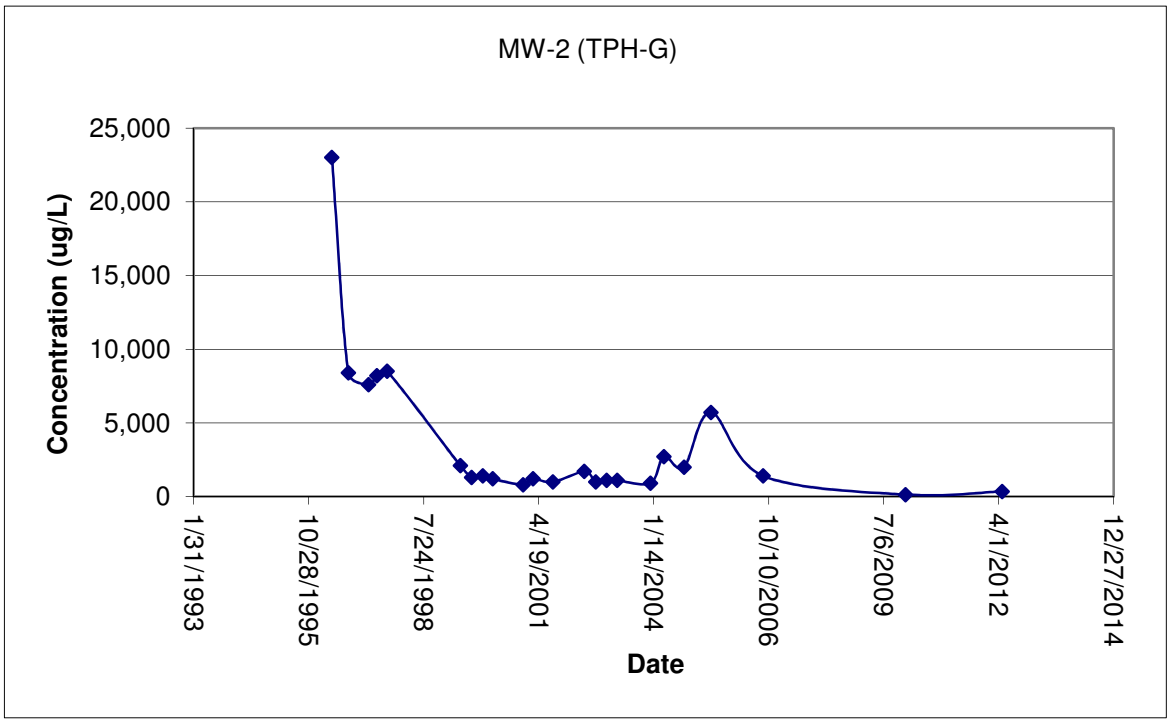
Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	

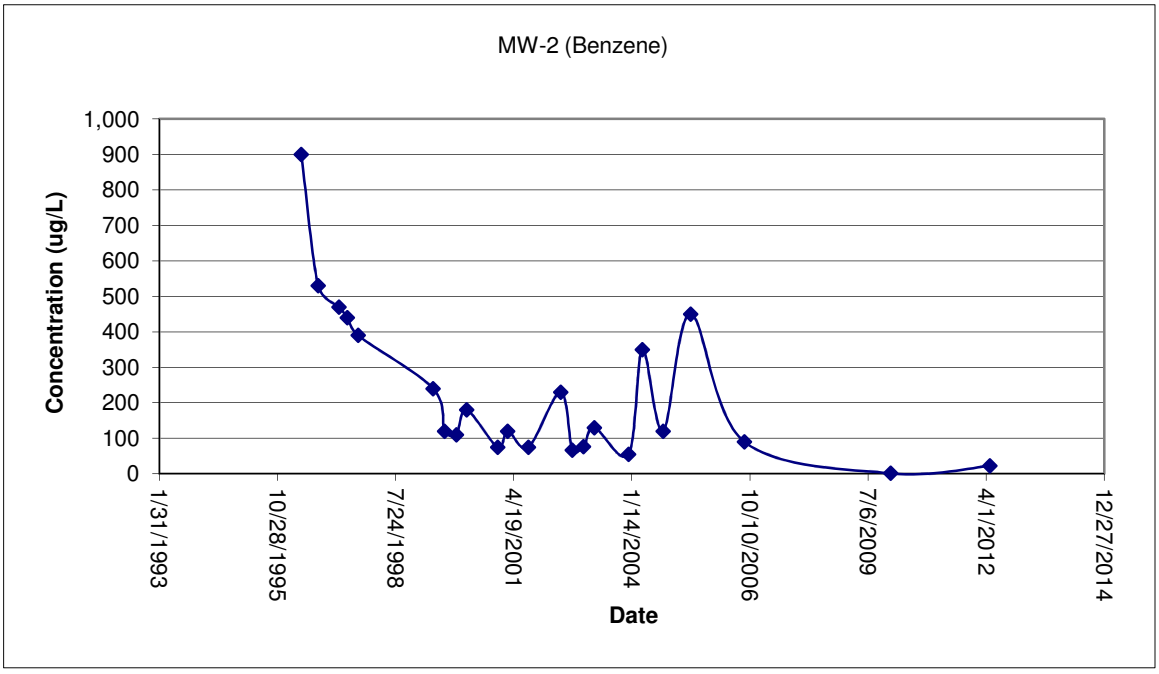
APPENDIX C
Chemical Concentration Trends in Groundwater

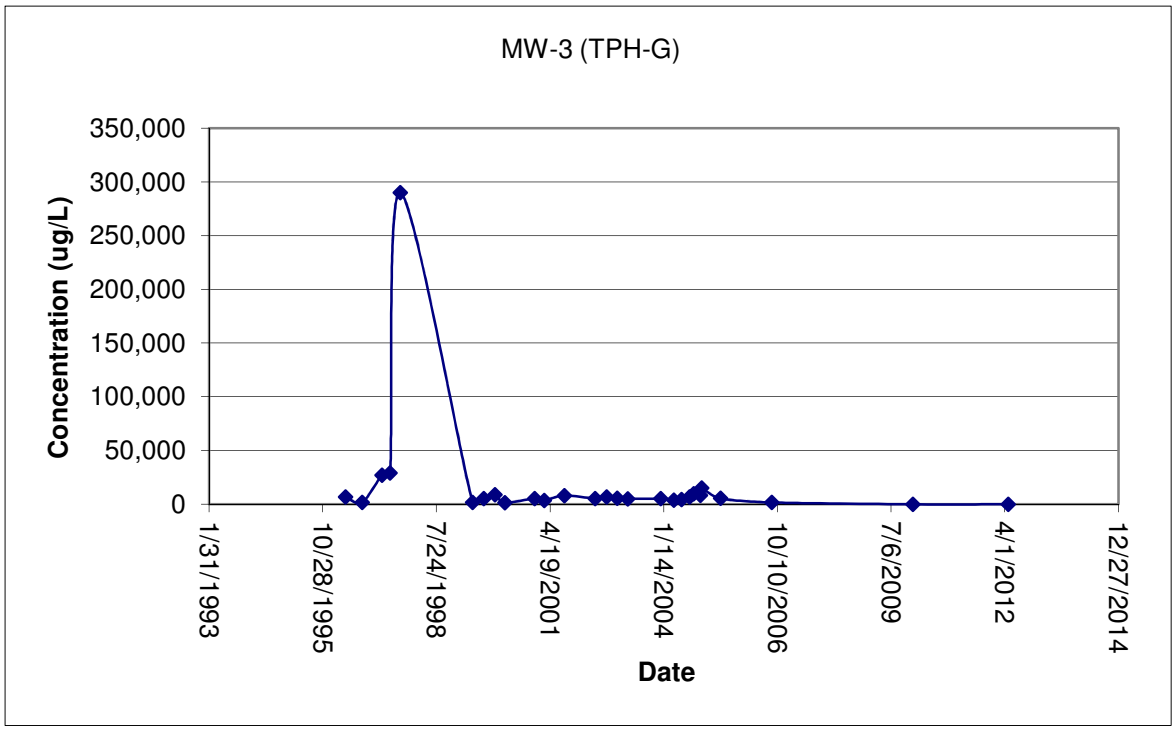
Second Quarter 2012 (Semi-Annual) Groundwater Monitoring Report
David D. Bohannon Organization
575 Paseo Grande
San Lorenzo, California
Stantec PN: 185702534
July 27, 2012

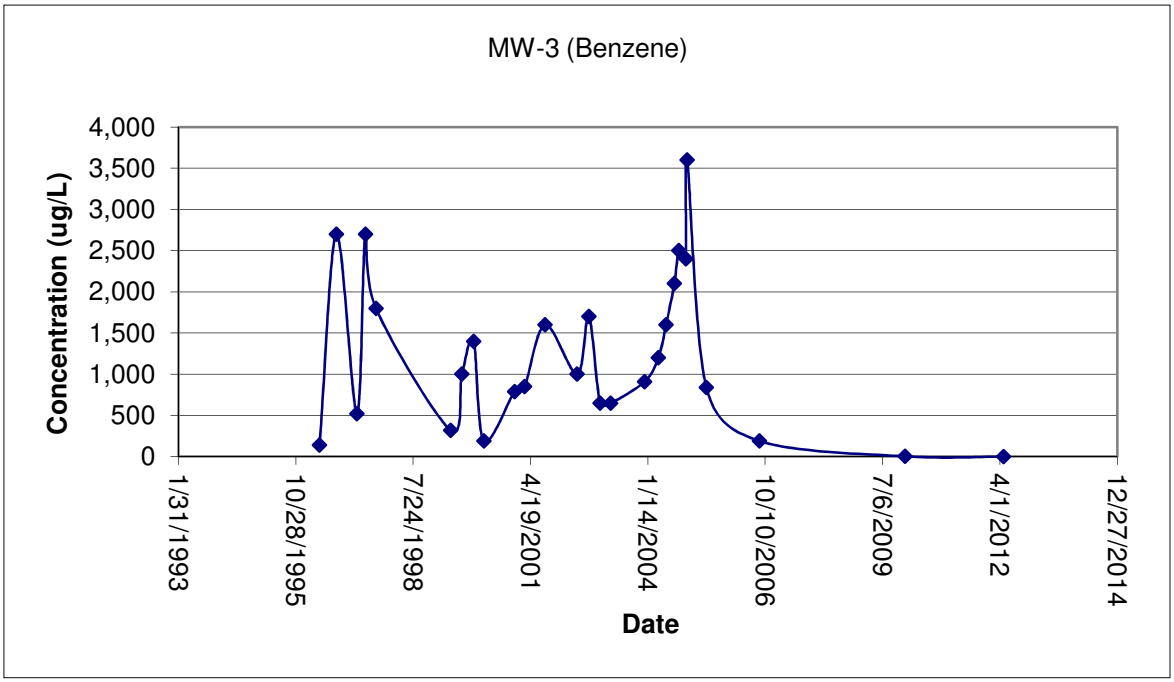

MW-1 (TPH-G)
Concentration (ug/L)
1,200
1,000
800
600
400
200
0
1/31/1993
10/28/1995
7/24/1998
4/19/2001
1/14/2004
10/10/2006
7/6/2009
4/1/2012
12/27/2014
Date

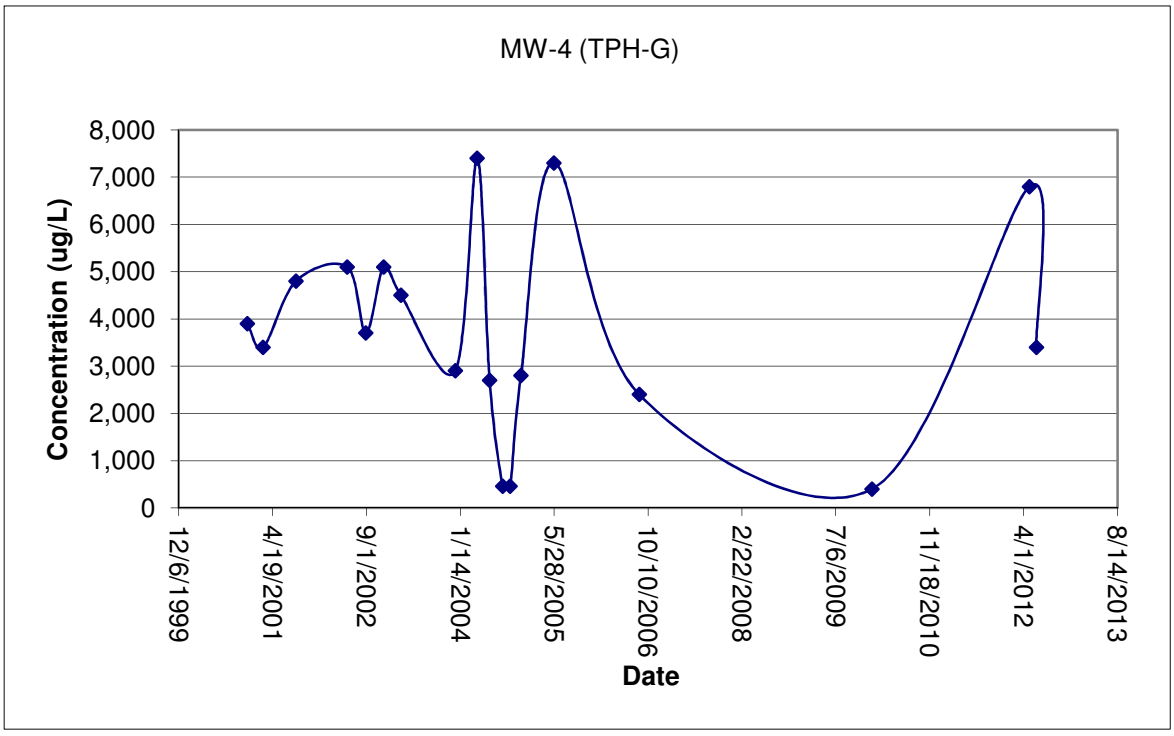

MW-1 (Benzene)
Concentration (ug/L)
2.5
2
1.5
1
0.5
0
1/31/1993
10/28/1995
7/24/1998
4/19/2001
1/14/2004
10/10/2006
7/6/2009
4/1/2012
12/27/2014
Date

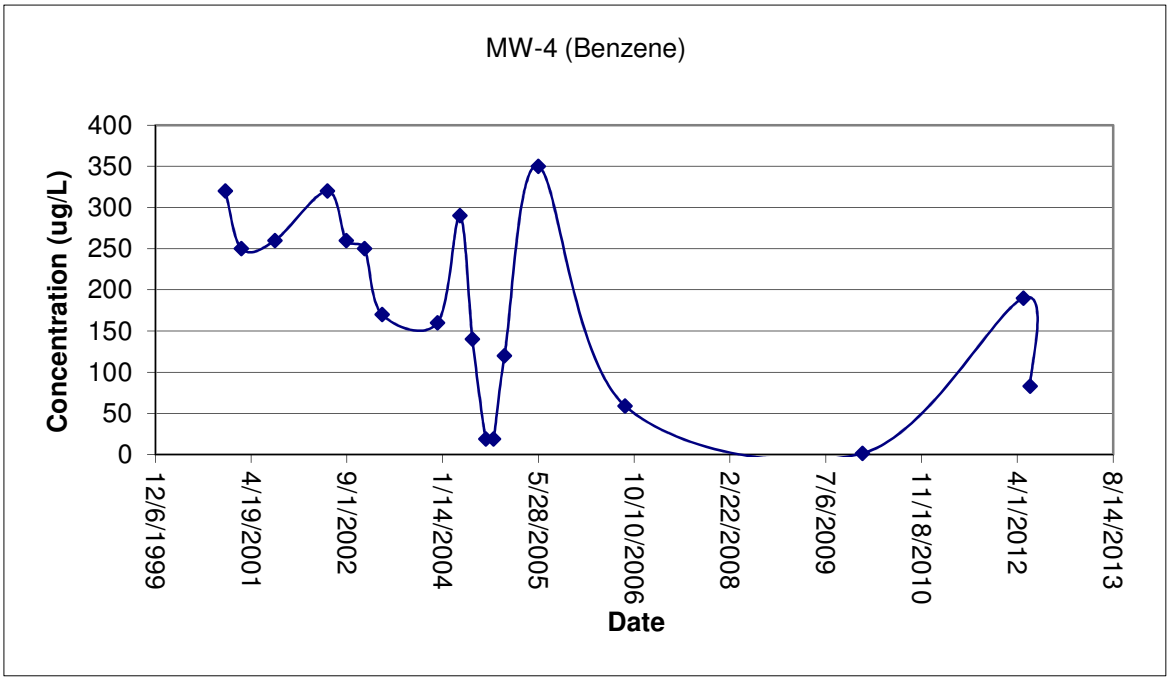

MW-2 (TPH-G)
25,000
20,000
15,000
10,000
5,000
0
Concentration (ug/L)
1/31/1993
10/28/1995
7/24/1998
4/19/2001
1/14/2004
10/10/2006
7/6/2009
4/1/2012
12/27/2014
Date

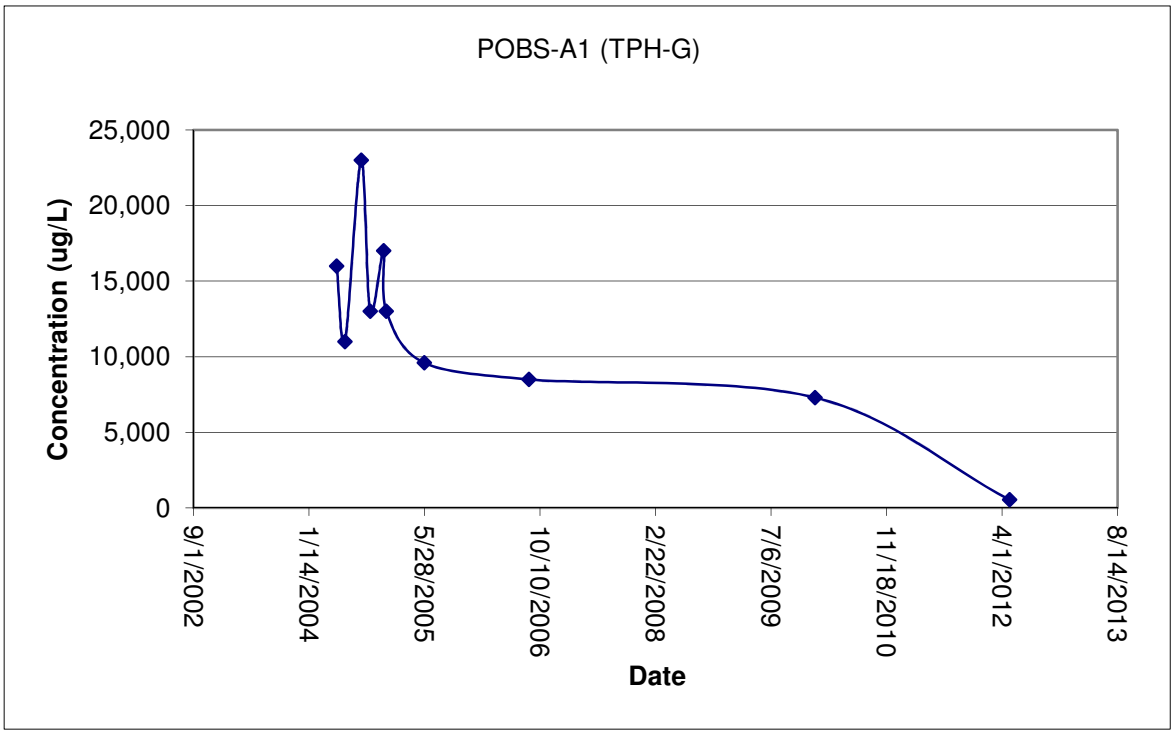

MW-2 (Benzene)
1,000
900
800
700
600
500
400
300
200
100
0
Concentration (ug/L)
1/31/1993
10/28/1995
7/24/1998
4/19/2001
1/14/2004
10/10/2006
7/6/2009
4/1/2012
12/27/2014
Date

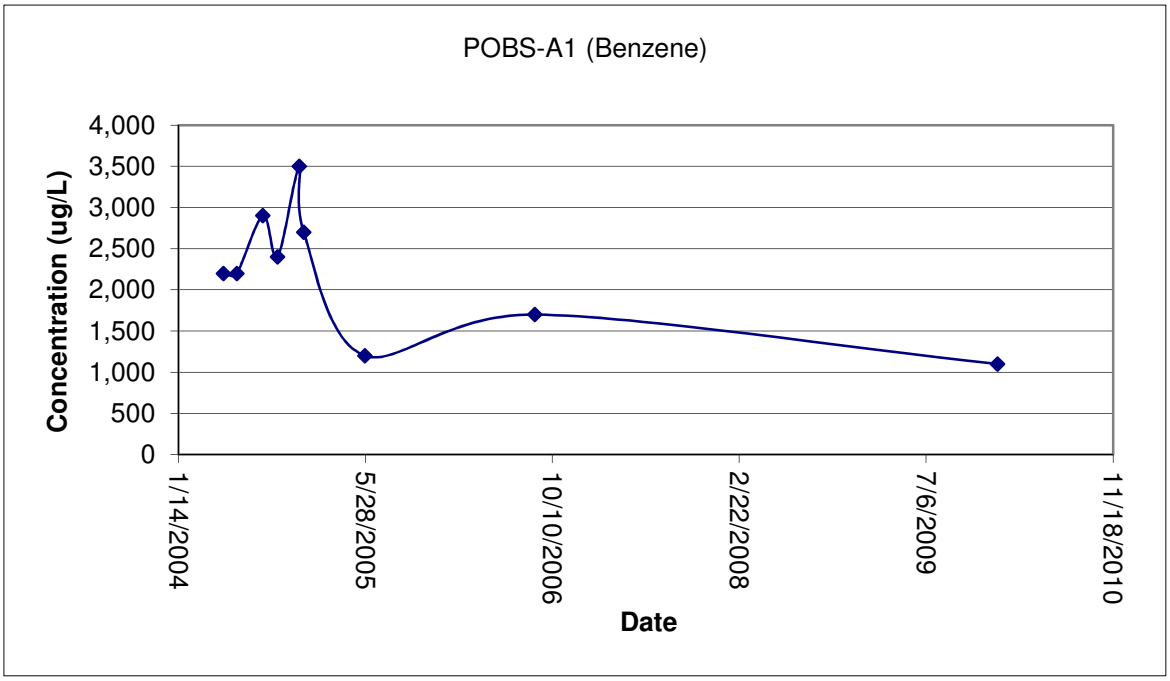

MW-3 (TPH-G)
Concentration (ug/L)
350,000
300,000
250,000
200,000
150,000
100,000
50,000
0
1/31/1993
10/28/1995
7/24/1998
4/19/2001
1/14/2004
10/10/2006
7/6/2009
4/1/2012
12/27/2014
Date


MW-3 (Benzene)
Concentration (ug/L)
4,000
3,500
3,000
2,500
2,000
1,500
1,000
500
0
1/31/1993
10/28/1995
7/24/1998
4/19/2001
1/14/2004
10/10/2006
7/6/2009
4/1/2012
12/27/2014
Date


MW-4 (TPH-G)
Concentration (ug/L)
8,000
7,000
6,000
5,000
4,000
3,000
2,000
1,000
0
12/6/1999
4/19/2001
9/1/2002
1/14/2004
5/28/2005
10/10/2006
2/22/2008
7/6/2009
11/18/2010
4/1/2012
8/14/2013
Date


MW-4 (Benzene)
Concentration (ug/L)
400
350
300
250
200
150
100
50
0
12/6/1999
4/19/2001
9/1/2002
1/14/2004
5/28/2005
10/10/2006
2/22/2008
7/6/2009
11/18/2010
4/1/2012
8/14/2013
Date


POBS-A1 (TPH-G)
Concentration (ug/L)
25,000
20,000
15,000
10,000
5,000
0
9/1/2002
1/14/2004
5/28/2005
10/10/2006
2/22/2008
7/6/2009
11/18/2010
4/1/2012
8/14/2013
Date


POBS-A1 (Benzene)
Concentration (ug/L)
4,000
3,500
3,000
2,500
2,000
1,500
1,000
500
0
1/14/2004
5/28/2005
10/10/2006
2/22/2008
7/6/2009
11/18/2010
Date