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2Q BWST
Cmn 15-01

June 5, 2015

Ms. Deborah DeLong
Kentucky Department for Environmental Protection
Division of Waste Management
Solid Waste Branch
200 Fair Oaks Lane, 2nd Floor
Frankfort, KY 40601

**Re: Second Quarter 2015 Groundwater Sampling Event, Statistical Analysis Report
Green Valley Landfill, Ashland, Kentucky**

Dear Ms. DeLong:

On behalf of the Green Valley Landfill, Jett Environmental Consulting is submitting a hardcopy of the Second Quarter 2015 Groundwater Statistical Analysis Report.

If you have any questions or comments, please contact me at steve.jett@jettenviro.com or 314-496-4654.

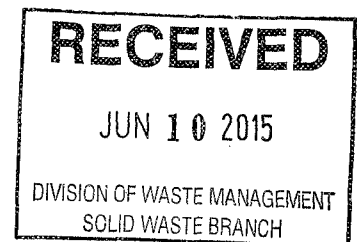
Sincerely,

A handwritten signature in black ink, appearing to read "Steve Jett", written over a horizontal line.

Steve Jett, P.G.
Owner

Attachment: Groundwater Statistical Analysis Report (1 Copy)

*cc: Green Valley Landfill (1 hardcopy)
Bill Chlebowy, Republic Services, Inc. (PDF via email)*



**Groundwater
Statistical Analysis Report**

**Second Quarter 2015
Sampling Event**

**Green Valley Landfill
Ashland, Kentucky
Permit No. 045-00012**

June 2015

Prepared by:



**10 Quiet Brook Court
St. Charles, MO 63303**

**314-496-4654
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1.0 INTRODUCTION

On behalf of Green Valley Landfill General Partnership, Jett Environmental Consulting statistically evaluated the Second Quarter (April) 2015 groundwater data. Sampling was performed by Kenvirons, Inc. and analytical testing was performed by Pace Analytical Services, Inc. The statistical evaluation software package utilized, *Sanitas*TM, follows a documented decision logic that incorporates the following applicable guidance document: USEPA "Statistical Analysis of Groundwater Monitoring Data at RCRA Facilities, Unified Guidance" (March 2009).

2.0 SITE BACKGROUND AND MONITORING NETWORK

Jett Environmental Consulting statistically analyzed parameters from the Green Valley Landfill Second Quarter 2015 monitoring event using intra-well prediction limits from the historical background data. Prediction limits are considered a powerful tool for groundwater statistical analysis, when feasible, due to their inherent low false negative and false positive rates utilizing confirmatory resampling, if necessary. **Table 1** lists the groundwater monitoring wells at the site. The site submitted a Groundwater Statistical Monitoring Plan on December 9, 2011. The Kentucky Department for Environmental Protection (KDEP) approved the statistical analysis plan for the monitoring wells in correspondence dated August 16, 2012. **Table 2** details background dates and parameters used for statistical evaluations at the site. The background database for the Green Valley Landfill will be updated approximately every one to two years.

The facility received KDEP permission on August 16, 2012 to reduce the groundwater program to annual sampling for parameters in KAR Title 401 Chapter 48:300 Section 11(3)(a) and (b) and quarterly sampling for parameters in KAR Title 401 Chapter 48:300 Section 11(3)(f).

During the Second Quarter 2015 sampling event, each well was sampled for the annual parameters listed in Section 11(3)(a) and (b). A comparison of parameters to their respective KDEP Maximum Contaminant Level (MCL) was required for the Second Quarter 2015 data in accordance with 401 KAR 47.030. There were no parameters that exceeded an MCL specified in 401 KAR 47.030 Section 6(1) during the Second Quarter 2015 event.

3.0 SITE HYDROGEOLOGY

As identified in the *Modification to Permit No. 045-00012*, dated July 1997 by Kenvirons, Inc. hydrogeologic conditions at the site consist of three aquifers: alluvial/fracture zone, Princess No. 3 coal zone, and the Fire Clay coal zone. Recharge for the alluvial/fracture zone is from secondary porosity due to naturally occurring stress relief fractures in the upper zone of the bedrock. The direction of flow in the alluvium/fracture zone aquifer is a subdued reflection of the topographic relief with the area of recharge limited to the watershed divide.

The alluvium/fracture zone is considered the uppermost aquifer at the site and is utilized for detection of possible facility impacts. **Appendix A** provides a potentiometric surface map for the alluvial/fracture zone utilizing groundwater level data from the Second Quarter 2015 event. Groundwater flow direction for the Second Quarter 2015 event is generally to the west/northwest, consistent with past events. Groundwater flow rate for the Second Quarter 2015 event was estimated to be 3.5 feet/year, consistent with past events. Flow rate calculations are available in **Appendix A**.

4.0 STATISTICAL PROCEDURES

The *Sanitas*TM program was utilized to compile and statistically evaluate the data for the April 2015 sampling event. Summary tables for the intra-well prediction interval analysis are available in **Appendix B**.

4.1 Outlier Analysis

The background data were evaluated for the presence of statistical outliers. Methodologies for determining a statistical outlier are defined in the EPA document, Statistical Analysis of Ground-Water Monitoring Data at RCRA Facilities – Unified Guidance (March 2009). Any statistical outliers that were determined were removed from the background data set prior to performing prediction interval statistical analysis. According to the EPA guidance documents above, data that are not normally or log-normally distributed are not recommended for evaluation of outliers. In cases where the data were not normally or log-normally distributed, outliers were not removed from the data set. Background outliers flagged for removal are identified on the statistical plots provided in **Appendix B**.

4.2 Intra-Well Prediction Intervals

The prediction interval is a statistical method used to compare a single observation to a group of observations. The prediction interval is calculated to include observations from the same population with a specified confidence. In groundwater monitoring, a prediction interval approach may be used to make comparisons between background and compliance data. The interval is developed to contain all future observations, within a certain probability. For the site, intra-well prediction intervals have been developed based on a 99% confidence that future observations will fall within the range. If any future observation exceeds the prediction interval, this is considered statistically significant evidence that the observation is not representative of the background group.

During parametric prediction interval analysis, the mean and the standard deviation are calculated for the raw or transformed background data. The number of comparison observations, K , is defined to be included in the interval. If less than 15% of the background observations are nondetects, the nondetects are replaced with one half of the reporting limit prior to performing the analysis. If more than 15% but less than 50% of the background data are below the reporting limit, the data's sample mean and standard deviation are adjusted according to the Kaplan-Meier method. However, when the background data are not transformed-normal or contain greater than 50% observations below the reporting limit, *Sanitas*TM automatically constructs a nonparametric prediction interval. During nonparametric analysis, the highest value from the background data is used to set the upper limit of the prediction interval.

During the April 2015 event, three results exceeded an intra-well prediction limit: field pH at MW-3, chloride at MW-28D, and total dissolved solids (TDS) at MW-28D. None of these parameters have an established National Primary Drinking Water Standard-Maximum Contaminant Level (MCL) or KDEP MCL. **Table 3** summarizes the April 2015 prediction limit exceedances. Included in **Appendix B** are the prediction interval summary tables.

One of the three statistical exceedances observed during the April 2015 event (chloride at MW-28D) was observed during the previous quarterly event (First Quarter 2015), and represents a confirmed exceedance. It is recommended to utilize the next quarterly event (July 2015) as a verification sampling event to confirm the two new exceedances (field pH at MW-3 and TDS at MW-28D).

The following points are noted with respect to the intra-well prediction limit exceedances observed during the April 2015 event:

- The April 2015 field pH at MW-3 (4.59 SU) is consistent with historical specific conductance values at MW-3 (4.30 to 8.24 SU). The April 2015 field pH at MW-3 was only slightly below the lower prediction limit (4.60 SU). The slightly lower pH during the April 2015 event at MW-3 appears to be due to naturally occurring conditions.
- The April 2015 chloride concentration at MW-28D (29.5 mg/L) is well below the National Secondary Drinking Water Standard of 250 mg/L. The April 2015 chloride concentration at MW-28D is consistent with historical concentrations at adjacent well MW-28C (5.8 to 38 mg/L). The chloride increase during the April 2015 event at MW-28D appears to be due to naturally occurring conditions.

- The April 2015 TDS concentration at MW-28D (474 mg/L) is below the National Secondary Drinking Water Standard of 500 mg/L. The April 2015 TDS concentration at MW-28D is consistent with historical concentrations at adjacent well MW-28C (250 to 510 mg/L). The TDS increase during the April 2015 event at MW-28D appears to be due to naturally occurring conditions.

Included in **Appendix B** are time series plots for each of the parameters statistically analyzed for this reporting period. **Appendix C** contains a copy of the laboratory analytical report and field information logs for the April 2015 event.

5.0 STATISTICAL RESULTS SUMMARY

During the April 2015 event, three results exceeded an intra-well prediction limit: field pH at MW-3, chloride at MW-28D, and TDS at MW-28D. None of these parameters have an established National Primary Drinking Water Standard-MCL or KDEP MCL.

The following points are noted with respect to the intra-well prediction limit exceedances observed during the April 2015 event:

- The April 2015 field pH at MW-3 (4.59 SU) is consistent with historical specific conductance values at MW-3 (4.30 to 8.24 SU). The April 2015 field pH at MW-3 was only slightly below the lower prediction limit (4.60 SU). The slightly lower pH during the April 2015 event at MW-3 appears to be due to naturally occurring conditions.
- The April 2015 chloride concentration at MW-28D (29.5 mg/L) is well below the National Secondary Drinking Water Standard of 250 mg/L. The April 2015 chloride concentration at MW-28D is consistent with historical concentrations at adjacent well MW-28C (5.8 to 38 mg/L). The chloride increase during the April 2015 event at MW-28D appears to be due to naturally occurring conditions.
- The April 2015 TDS concentration at MW-28D (474 mg/L) is below the National Secondary Drinking Water Standard of 500 mg/L. The April 2015 TDS concentration at MW-28D is consistent with historical concentrations at adjacent well MW-28C (250 to 510 mg/L). The TDS increase during the April 2015 event at MW-28D appears to be due to naturally occurring conditions.

No volatile organic compounds were detected in groundwater wells during the April 2015 monitoring event.

Continuation of Detection Monitoring is recommended for the site. One of the three statistical exceedances observed during the April 2015 event (chloride at MW-28D) was observed during the previous quarterly event (First Quarter 2015), and represents a confirmed exceedance. It is recommended to utilize the next quarterly event (July 2015) as a verification sampling event to confirm the two new exceedances (field pH at MW-3 and TDS at MW-28D).

TABLES

TABLE 1
GROUNDWATER MONITORING WELLS GREEN VALLEY LANDFILL
MW-1, MW-1A, MW-1B, MW-3, MW-28C, MW-28D, MW-28E

TABLE 2
BACKGROUND DATA USED IN STATISTICAL REPORTING
GREEN VALLEY LANDFILL

Well	Parameters	Background Dates
MW-1, MW-1A, MW-1B, MW-3	Annual	9/1992 - 5/2013
	Quarterly	9/1992 - 11/2013
MW-28C, MW-28D, MW-28E	Annual	10/2009 - 5/2013
	Quarterly	10/2009 - 11/2013

Notes:

- Annual sampling includes parameters listed in KAR Title 401 Chapter 48:300 Section 11(3)(a) and (b).
- Quarterly sampling includes parameters listed in KAR Title 401 Chapter 48:300 Section 11(3)(f).
- Background dates taken from Groundwater Statistical Monitoring Plan dated December 9, 2011 and approved by KDEP on August 16, 2012.

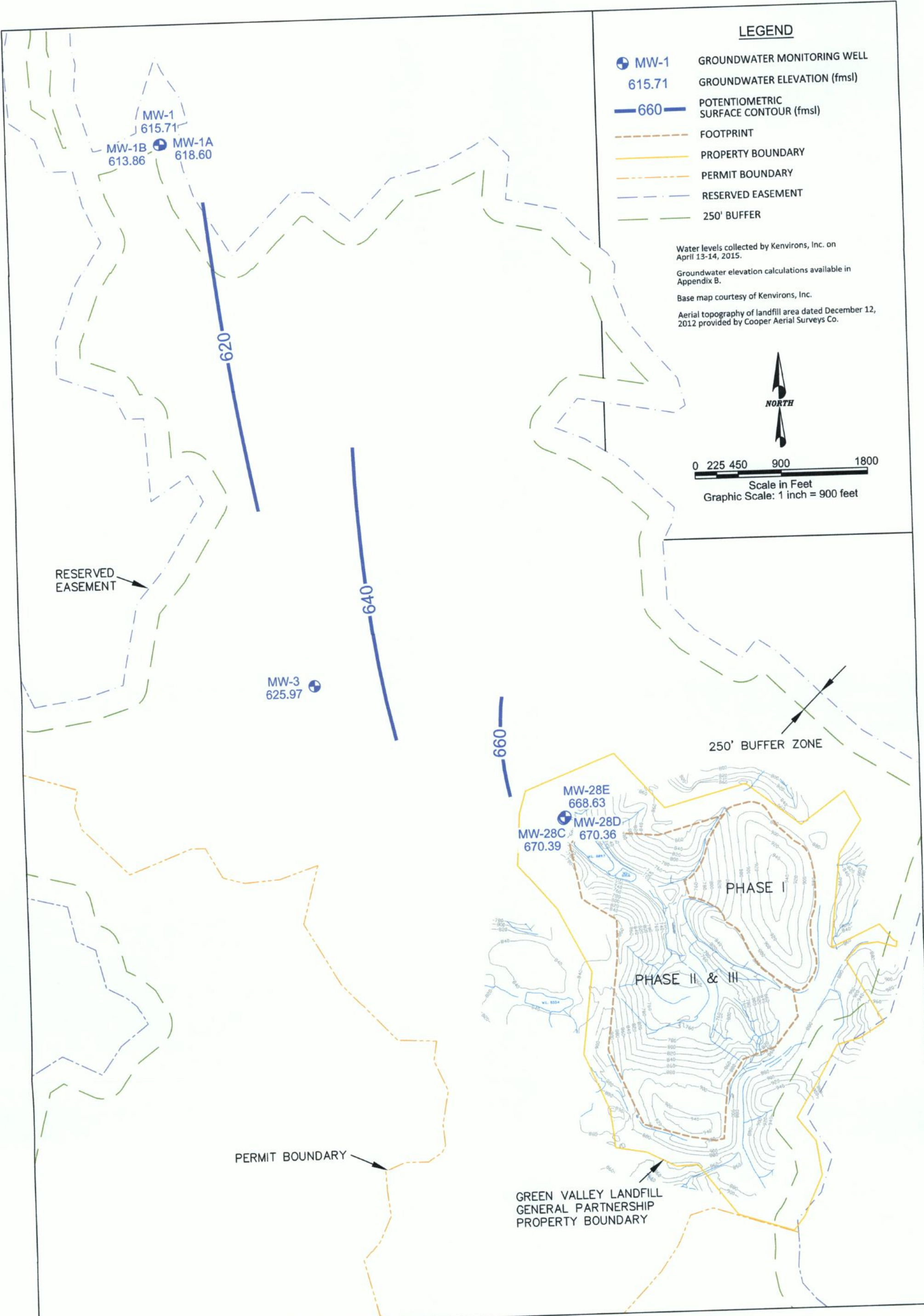
TABLE 3
INTRA-WELL PREDICTION LIMIT EXCEEDANCES
SECOND QUARTER 2015 MONITORING EVENT
GREEN VALLEY LANDFILL

Well	Parameter	Results	Prediction Limit
MW-3	pH (Field)	4.59 SU	4.60 - 8.00 SU
MW-28D	Chloride	29.5 mg/L	23 mg/L
	Total Dissolved Solids (TDS)	474 mg/L	460 mg/L

APPENDICES

APPENDIX A

POTENTIOMETRIC SURFACE MAP



LEGEND

- MW-1
615.71
GROUNDWATER MONITORING WELL
GROUNDWATER ELEVATION (fmsl)
- 660
POTENTIOMETRIC
SURFACE CONTOUR (fmsl)
- FOOTPRINT
- PROPERTY BOUNDARY
- PERMIT BOUNDARY
- RESERVED EASEMENT
- 250' BUFFER

Water levels collected by Kenvirns, Inc. on
April 13-14, 2015.

Groundwater elevation calculations available in
Appendix B.

Base map courtesy of Kenvirns, Inc.

Aerial topography of landfill area dated December 12,
2012 provided by Cooper Aerial Surveys Co.



0 225 450 900 1800

Scale in Feet
Graphic Scale: 1 inch = 900 feet

RESERVED
EASEMENT

MW-3
625.97

250' BUFFER ZONE

MW-28E
668.63
MW-28D
670.36
MW-28C
670.39

PHASE I

PHASE II & III

PERMIT BOUNDARY

GREEN VALLEY LANDFILL
GENERAL PARTNERSHIP
PROPERTY BOUNDARY

**Groundwater Elevation Summary Table
Green Valley Landfill**

Well	Top of PVC Casing Elevation (fmsl)¹	Depth to Water (ft)²	Groundwater Elevation (fmsl)
MW-1	617.80	2.09	615.71
MW-1A	618.60	0.00	618.60
MW-1B	618.70	4.84	613.86
MW-3	630.80	4.83	625.97
MW-28C	674.40	4.01	670.39
MW-28D	675.20	4.84	670.36
MW-28E	677.00	8.37	668.63

*Note 1: Top of PVC Casing Elevations for MW-1, MW-1A, MW-1B, and MW-3 from the Groundwater Monitoring Plan compiled by Kenvirons, Inc. dated 4/23/04.
Top of PVC Casing Elevations for MW-28C, MW-28D, and MW-28E from the Summary of Monitoring Well Abandonments and Installations by Stantec Consulting Services, Inc. dated 10/2/09.*

Note 2: Depth to water collected by Kenvirons, Inc. on 4/13/15 - 4/14/15.

**Groundwater Flow Velocity Calculations
Green Valley Landfill, Kentucky
Second Quarter 2015 Event**

Velocity

$$V = [(k)(i)]/(n)$$

$$V = [(1 \times 10^2 \text{ ft/year})(0.007 \text{ ft/ft})]/0.20$$

$$V = 3.5 \text{ ft/year}$$

Hydraulic conductivity (k_1) of the alluvium/fracture zone was noted in a Fuller, Mossbarger, Scott, & May (FMSM) Engineers, Inc. report entitled "Report of Geotechnical Exploration", dated August, 1992. The geotechnical exploration report indicates the alluvium to be predominantly silty and clayey sands type soils. As noted in the August 1992 FMSM "Report of Geotechnical Exploration", a hydraulic conductivity value of 1×10^2 feet/year, typical for silty and clayey sand soils was assumed for the alluvium.

Effective porosity (n): An effective porosity (n) of 0.20 was assumed for the alluvium.

Gradient (i) is from the average gradient at site using the potentiometric surface map from well MW-28C to well MW-1.

Gradient(i) = Change in Groundwater Elevation along Flow Path

i : From MW-28C (670.39 fmsl) to MW-1 (615.71 fmsl)/ Distance = 54.68 ft / 8,199 ft = 0.007

APPENDIX B
STATISTICAL EVALUATIONS

**INTRA-WELL PREDICTION LIMITS
OLDER WELLS
QUARTERLY PARAMETERS**

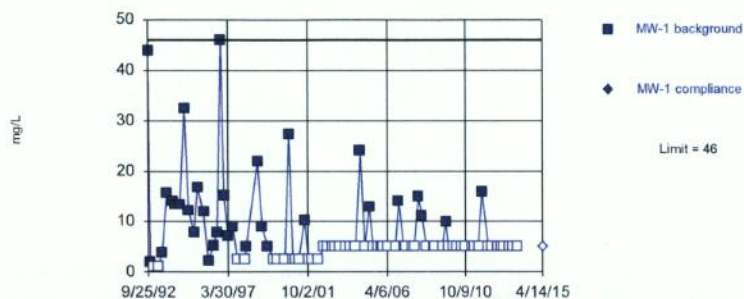
Prediction Limit

Green Valley Client: RSI Data: GREENVALLEY Printed 5/8/2015, 3:05 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bq N	Bq Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Chemical Oxygen Demand [COD] (mg/L)	MW-1	46	n/a	4/14/2015	5ND	No	84	n/a	n/a	61.9	n/a	n/a	0.0002756	NP Intra (NDs) 1 of 2
Chemical Oxygen Demand [COD] (mg/L)	MW-1A	47	n/a	4/14/2015	5ND	No	85	n/a	n/a	71.76	n/a	n/a	0.0002694	NP Intra (NDs) 1 of 2
Chemical Oxygen Demand [COD] (mg/L)	MW-1B	41	n/a	4/14/2015	5ND	No	85	n/a	n/a	67.06	n/a	n/a	0.0002694	NP Intra (NDs) 1 of 2
Chemical Oxygen Demand [COD] (mg/L)	MW-3	47	n/a	4/13/2015	5ND	No	82	n/a	n/a	69.51	n/a	n/a	0.000288	NP Intra (NDs) 1 of 2
Chloride (mg/L)	MW-1	10	n/a	4/14/2015	1.2	No	84	n/a	n/a	13.1	n/a	n/a	0.0002756	NP Intra (normality) 1 of 2
Chloride (mg/L)	MW-1A	3.9	n/a	4/14/2015	3.3	No	85	10.16	2.663	0	None	x^2	0.0007314	Param Intra 1 of 2
Chloride (mg/L)	MW-1B	52	n/a	4/14/2015	35	No	85	n/a	n/a	0	n/a	n/a	0.0002694	NP Intra (normality) 1 of 2
Chloride (mg/L)	MW-3	15	n/a	4/13/2015	11.6	No	82	n/a	n/a	15.85	n/a	n/a	0.000288	NP Intra (normality) 1 of 2
Iron Total (mg/L)	MW-1	23	n/a	4/14/2015	0.18	No	84	n/a	n/a	0	n/a	n/a	0.0002756	NP Intra (normality) 1 of 2
Iron Total (mg/L)	MW-1A	8.8	n/a	4/14/2015	1.6	No	85	0.7703	0.7023	0	None	ln(x)	0.0007314	Param Intra 1 of 2
Iron Total (mg/L)	MW-1B	11	n/a	4/14/2015	0.051	No	85	n/a	n/a	4.706	n/a	n/a	0.0002694	NP Intra (normality) 1 of 2 Deseas
Iron Total (mg/L)	MW-3	58	n/a	4/13/2015	15.4	No	82	n/a	n/a	3.659	n/a	n/a	0.000288	NP Intra (normality) 1 of 2
pH [Field] (su)	MW-1	8.3	4.7	4/14/2015	7.15	No	84	6.5	0.8894	0	None	No	0.0003657	Param Intra 1 of 2
pH [Field] (su)	MW-1A	8	6.2	4/14/2015	6.99	No	84	1.92	0.03908	0	None	x^(1/3)	0.0003657	Param Intra 1 of 2
pH [Field] (su)	MW-1B	9.8	6.2	4/14/2015	7.61	No	85	n/a	n/a	0	n/a	n/a	0.0005389	NP Intra (normality) 1 of 2
pH [Field] (su)	MW-3	8	4.6	4/13/2015	4.59	Yes	81	1.806	0.138	0	None	ln(x)	0.0003657	Param Intra 1 of 2
Sodium Total (mg/L)	MW-1	4.4	n/a	4/14/2015	2.174	No	82	0.703	0.3848	0	None	ln(x)	0.0007314	Param Intra 1 of 2 Deseas
Sodium Total (mg/L)	MW-1A	360	n/a	4/14/2015	19.6	No	85	n/a	n/a	0	n/a	n/a	0.0002694	NP Intra (normality) 1 of 2
Sodium Total (mg/L)	MW-1B	600	n/a	4/14/2015	120	No	85	n/a	n/a	0	n/a	n/a	0.0002694	NP Intra (normality) 1 of 2
Sodium Total (mg/L)	MW-3	340	n/a	4/13/2015	9.2	No	82	n/a	n/a	0	n/a	n/a	0.000288	NP Intra (normality) 1 of 2
Specific Conductance [Field] (umhos/cm)	MW-1	880	n/a	4/14/2015	81.15	No	84	n/a	n/a	0	n/a	n/a	0.0002756	NP Intra (normality) 1 of 2 Deseas
Specific Conductance [Field] (umhos/cm)	MW-1A	440	n/a	4/14/2015	252	No	82	120248	36097	0	None	x^2	0.0007314	Param Intra 1 of 2
Specific Conductance [Field] (umhos/cm)	MW-1B	760	n/a	4/14/2015	494	No	83	318256	127304	0	None	x^2	0.0007314	Param Intra 1 of 2
Specific Conductance [Field] (umhos/cm)	MW-3	430	n/a	4/13/2015	233	No	82	5.006	0.5279	0	None	ln(x)	0.0007314	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	MW-1	120	n/a	4/14/2015	22	No	83	6.981	1.883	3.614	None	sqrt(x)	0.0007314	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	MW-1A	410	n/a	4/14/2015	201	No	85	n/a	n/a	0	n/a	n/a	0.0002694	NP Intra (normality) 1 of 2
Total Dissolved Solids [TDS] (mg/L)	MW-1B	920	n/a	4/14/2015	341	No	85	n/a	n/a	0	n/a	n/a	0.0002694	NP Intra (normality) 1 of 2
Total Dissolved Solids [TDS] (mg/L)	MW-3	320	n/a	4/13/2015	214	No	82	4.647	0.5563	0	None	ln(x)	0.0007314	Param Intra 1 of 2
Total Organic Carbon [TOC] (mg/L)	MW-1	10	n/a	4/14/2015	0.5ND	No	84	n/a	n/a	41.67	n/a	n/a	0.0002756	NP Intra (normality) 1 of 2
Total Organic Carbon [TOC] (mg/L)	MW-1A	26	n/a	4/14/2015	0.5ND	No	85	n/a	n/a	61.18	n/a	n/a	0.0002694	NP Intra (NDs) 1 of 2
Total Organic Carbon [TOC] (mg/L)	MW-1B	38	n/a	4/14/2015	0.5ND	No	85	n/a	n/a	58.82	n/a	n/a	0.0002694	NP Intra (NDs) 1 of 2
Total Organic Carbon [TOC] (mg/L)	MW-3	16	n/a	4/13/2015	0.5ND	No	82	n/a	n/a	21.95	n/a	n/a	0.000288	NP Intra (normality) 1 of 2
Total Organic Halides (mg/L)	MW-1	0.33	n/a	4/14/2015	0.005ND	No	84	n/a	n/a	78.57	n/a	n/a	0.0002756	NP Intra (NDs) 1 of 2
Total Organic Halides (mg/L)	MW-1A	1.0	n/a	4/14/2015	0.015	No	85	n/a	n/a	74.12	n/a	n/a	0.0002694	NP Intra (NDs) 1 of 2
Total Organic Halides (mg/L)	MW-1B	0.27	n/a	4/14/2015	0.014	No	85	n/a	n/a	60	n/a	n/a	0.0002694	NP Intra (NDs) 1 of 2
Total Organic Halides (mg/L)	MW-3	0.37	n/a	4/13/2015	0.005ND	No	82	n/a	n/a	67.07	n/a	n/a	0.000288	NP Intra (NDs) 1 of 2

Within Limit

Prediction Limit Intrawell Non-parametric

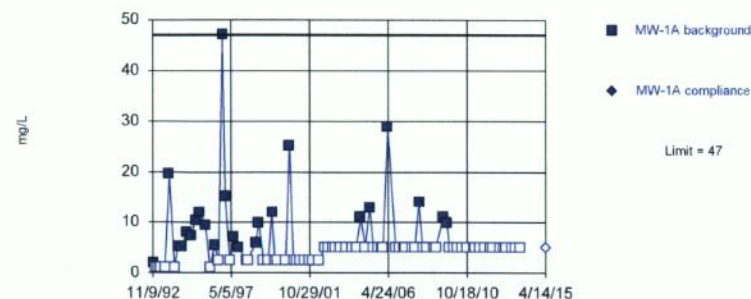


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 84 background values. 61.9% NDs. Well-constituent pair annual alpha = 0.001102. Individual comparison alpha = 0.0002756 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated. Seasonality was not detected with 95% confidence.

Constituent: Chemical Oxygen Demand [COD] Analysis Run 5/8/2015 3:04 PM
Green Valley Client: RSI Data: GREENVALLEY

Within Limit

Prediction Limit Intrawell Non-parametric

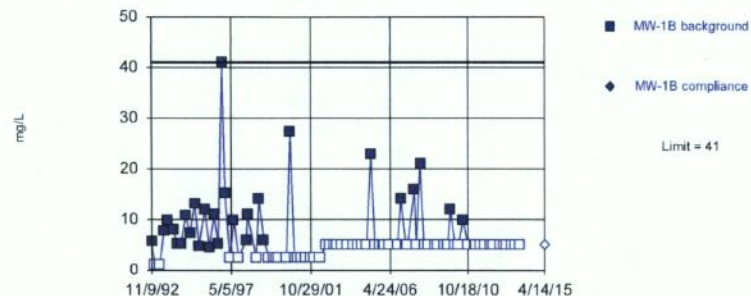


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 85 background values. 71.76% NDs. Well-constituent pair annual alpha = 0.001077. Individual comparison alpha = 0.0002694 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated. Seasonality was not detected with 95% confidence.

Constituent: Chemical Oxygen Demand [COD] Analysis Run 5/8/2015 3:04 PM
Green Valley Client: RSI Data: GREENVALLEY

Within Limit

Prediction Limit Intrawell Non-parametric

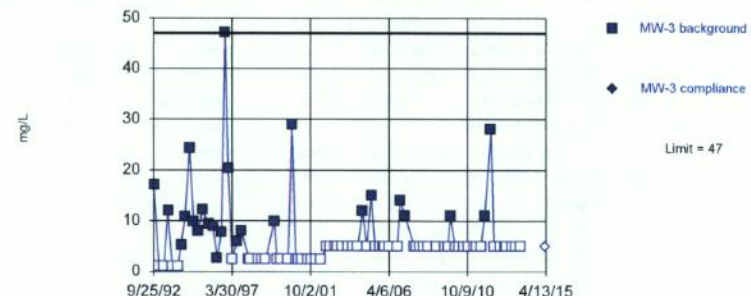


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 85 background values. 67.06% NDs. Well-constituent pair annual alpha = 0.001077. Individual comparison alpha = 0.0002694 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated. Seasonality was not detected with 95% confidence.

Constituent: Chemical Oxygen Demand [COD] Analysis Run 5/8/2015 3:04 PM
Green Valley Client: RSI Data: GREENVALLEY

Within Limit

Prediction Limit Intrawell Non-parametric

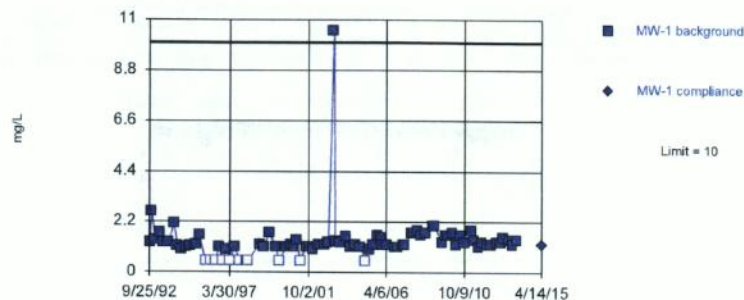


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 82 background values. 69.51% NDs. Well-constituent pair annual alpha = 0.001152. Individual comparison alpha = 0.000288 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated. Seasonality was not detected with 95% confidence.

Constituent: Chemical Oxygen Demand [COD] Analysis Run 5/8/2015 3:04 PM
Green Valley Client: RSI Data: GREENVALLEY

Within Limit

Prediction Limit Intrawell Non-parametric

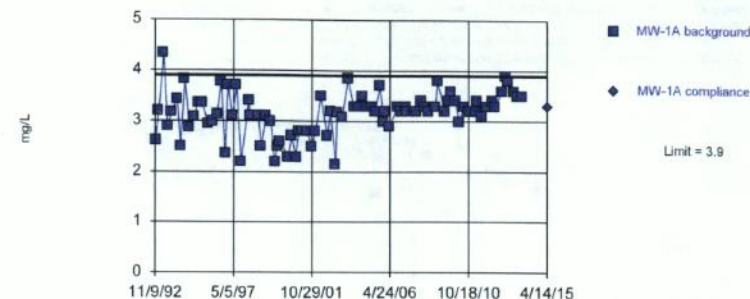


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Francia normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 84 background values. 13.1% NDs. Well-constituent pair annual alpha = 0.001102. Individual comparison alpha = 0.0002756 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated. Seasonality was not detected with 95% confidence.

Constituent: Chloride Analysis Run 5/8/2015 3:04 PM
Green Valley Client: RSI Data: GREENVALLEY

Within Limit

Prediction Limit Intrawell Parametric

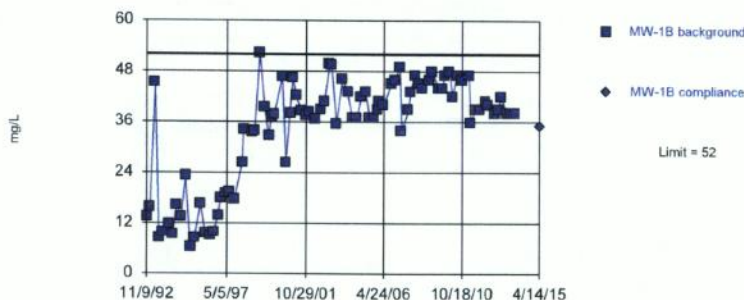


Background Data Summary (based on square transformation): Mean=10.16, Std. Dev.=2.663, n=85. Seasonality was not detected with 95% confidence. Normality test: Shapiro Francia @alpha = 0.01, calculated = 0.971, critical = 0.961. Kappa = 2.001 (c=9, w=4, 1 of 2, event alpha = 0.026). Report alpha = 0.0007314. EPA 1989 outlier screening was performed on the background data (to establish suspected outliers for Dixon's/Rosner's). No background outliers were found.

Constituent: Chloride Analysis Run 5/8/2015 3:04 PM
Green Valley Client: RSI Data: GREENVALLEY

Within Limit

Prediction Limit Intrawell Non-parametric

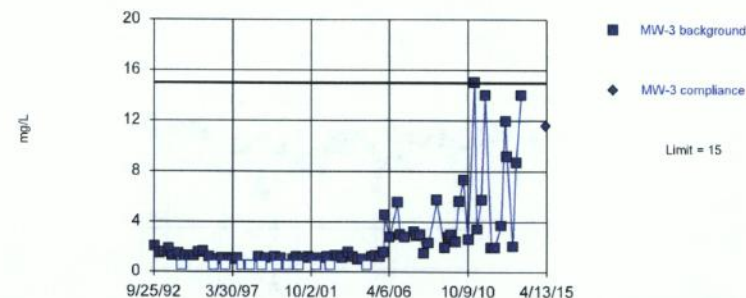


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Francia normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 85 background values. 15.85% NDs. Well-constituent pair annual alpha = 0.001077. Individual comparison alpha = 0.0002694 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated. Seasonality was not detected with 95% confidence.

Constituent: Chloride Analysis Run 5/8/2015 3:04 PM
Green Valley Client: RSI Data: GREENVALLEY

Within Limit

Prediction Limit Intrawell Non-parametric

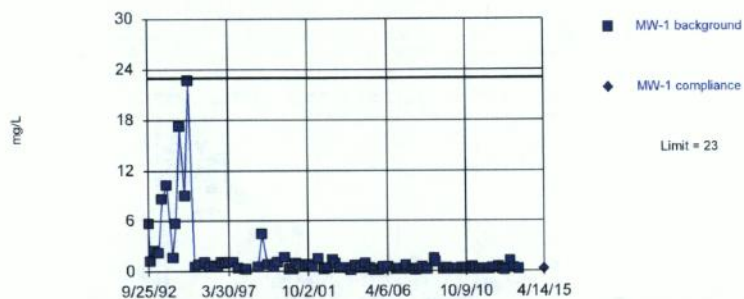


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Francia normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 82 background values. 15.85% NDs. Well-constituent pair annual alpha = 0.001152. Individual comparison alpha = 0.000288 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated. Seasonality was not detected with 95% confidence.

Constituent: Chloride Analysis Run 5/8/2015 3:04 PM
Green Valley Client: RSI Data: GREENVALLEY

Within Limit

Prediction Limit Intrawell Non-parametric

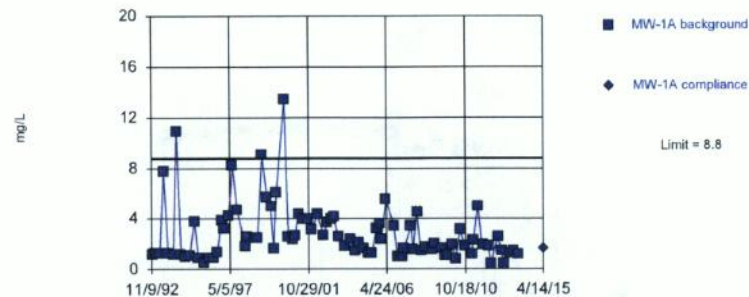


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Francia normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 84 background values. Well-constituent pair annual alpha = 0.001102. Individual comparison alpha = 0.0002756 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated. Seasonality was not detected with 95% confidence.

Constituent: Iron Total Analysis Run 5/8/2015 3:04 PM
Green Valley Client: RSI Data: GREENVALLEY

Within Limit

Prediction Limit Intrawell Parametric

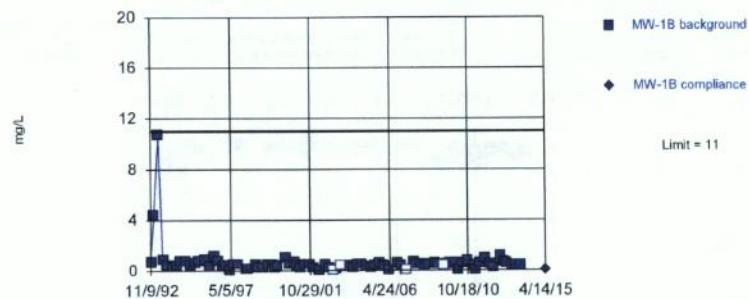


Background Data Summary (based on natural log transformation): Mean=0.7703, Std. Dev.=0.7023, n=85. Seasonality was not detected with 95% confidence. Normality test: Shapiro Francia @alpha = 0.01, calculated = 0.986, critical = 0.961. Kappa = 2.001 (c=9, w=4, 1 of 2, event alpha = 0.026). Report alpha = 0.0007314. EPA 1989 outlier screening was performed on the background data (to establish suspected outliers for Dixon's/Rosner's). No background outliers were found.

Constituent: Iron Total Analysis Run 5/8/2015 3:04 PM
Green Valley Client: RSI Data: GREENVALLEY

Within Limit

Prediction Limit Intrawell Non-parametric

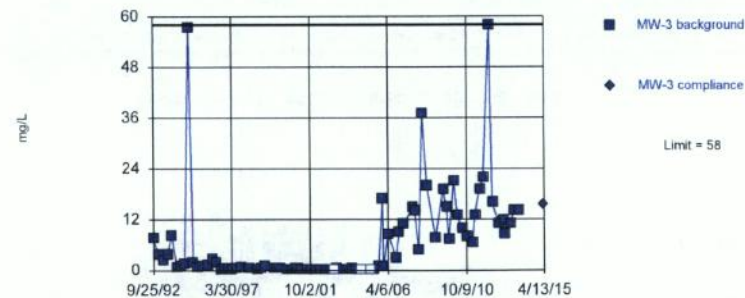


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Francia normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 85 background values. 4.706% NDs. Well-constituent pair annual alpha = 0.001077. Individual comparison alpha = 0.0002694 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated. Data were deseasonalized.

Constituent: Iron Total Analysis Run 5/8/2015 3:05 PM
Green Valley Client: RSI Data: GREENVALLEY

Within Limit

Prediction Limit Intrawell Non-parametric

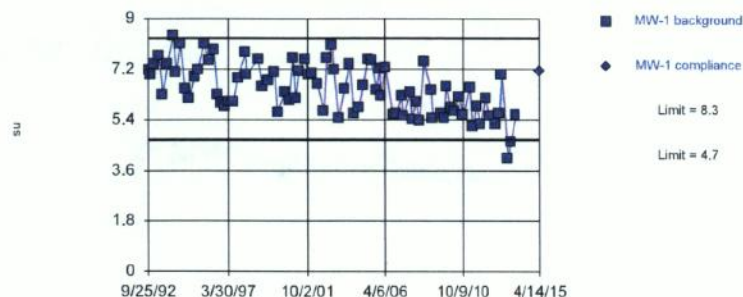


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Francia normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 82 background values. 3.659% NDs. Well-constituent pair annual alpha = 0.001152. Individual comparison alpha = 0.000288 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated. Seasonality was not detected with 95% confidence.

Constituent: Iron Total Analysis Run 5/8/2015 3:05 PM
Green Valley Client: RSI Data: GREENVALLEY

Within Limits

Prediction Limit Intrawell Parametric

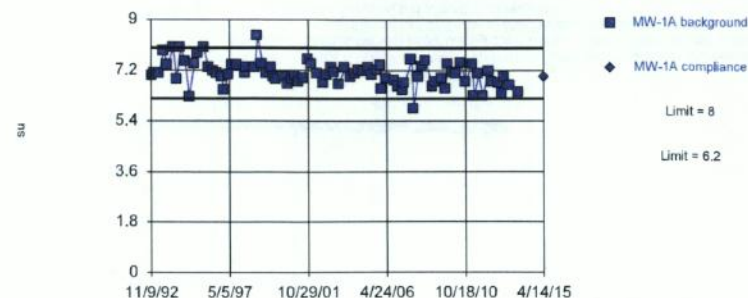


Background Data Summary: Mean=6.5, Std. Dev.=0.8894, n=84. Seasonality was not detected with 95% confidence. Normality test: Shapiro Francia @alpha = 0.01, calculated = 0.9812, critical = 0.96. Kappa = 2.002 (c=9, w=4, 1 of 2, event alpha = 0.026). Report alpha = 0.0007314. Rosner's outlier test was performed on the background data. No background outliers were found.

Constituent: pH [Field] Analysis Run 5/8/2015 3:05 PM
Green Valley Client: RSI Data: GREENVALLEY

Within Limits

Prediction Limit Intrawell Parametric

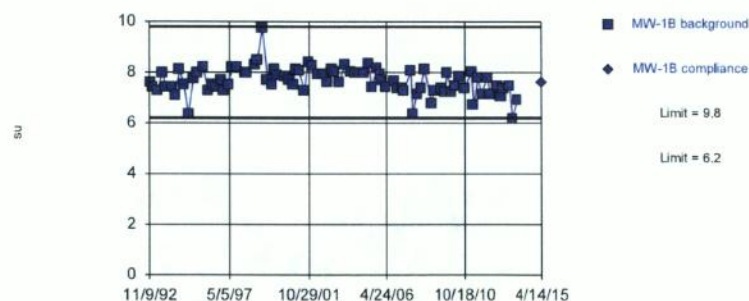


Background Data Summary (based on cube root transformation): Mean=1.92, Std. Dev.=0.03908, n=84. Seasonality was not detected with 95% confidence. Normality test: Shapiro Francia @alpha = 0.01, calculated = 0.9748, critical = 0.96. Kappa = 2.002 (c=9, w=4, 1 of 2, event alpha = 0.026). Report alpha = 0.0007314. Rosner's outlier test was performed on the background data. One background outlier was removed: 5.53 (7/17/2013).

Constituent: pH [Field] Analysis Run 5/8/2015 3:05 PM
Green Valley Client: RSI Data: GREENVALLEY

Within Limits

Prediction Limit Intrawell Non-parametric

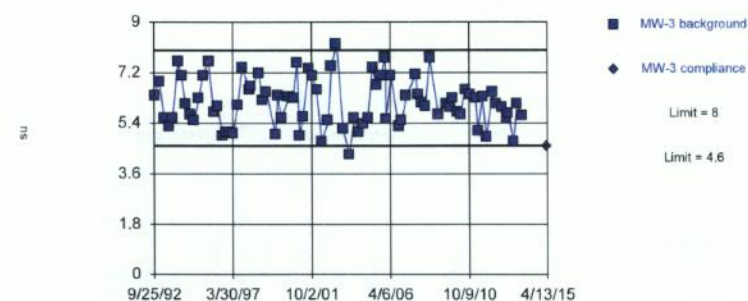


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Francia normality test showed the data to be non-normal at the 0.01 alpha level. Limits are highest and lowest of 85 background values. Well-constituent pair annual alpha = 0.002155. Individual comparison alpha = 0.0005389 (1 of 2). Distribution was found to be non-normal after removal of suspect values, so outliers could not be identified. Seasonality was not detected with 95% confidence.

Constituent: pH [Field] Analysis Run 5/8/2015 3:05 PM
Green Valley Client: RSI Data: GREENVALLEY

Exceeds Limits

Prediction Limit Intrawell Parametric

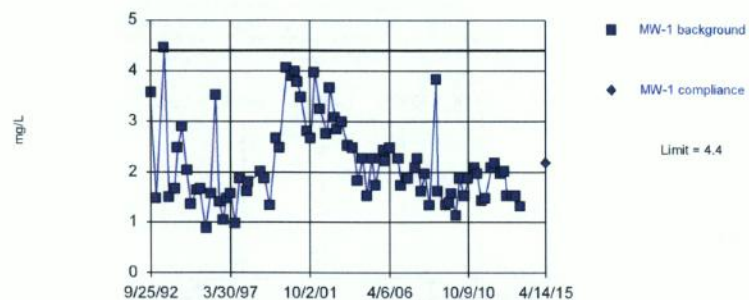


Background Data Summary (based on natural log transformation): Mean=1.806, Std. Dev.=0.138, n=81. Seasonality was not detected with 95% confidence. Normality test: Shapiro Francia @alpha = 0.01, calculated = 0.9896, critical = 0.958. Kappa = 2.005 (c=9, w=4, 1 of 2, event alpha = 0.026). Report alpha = 0.0007314. EPA 1989 outlier screening was performed on the background data (to establish suspected outliers for Dixon's/Rosner's). No background outliers were found.

Constituent: pH [Field] Analysis Run 5/8/2015 3:05 PM
Green Valley Client: RSI Data: GREENVALLEY

Within Limit

Prediction Limit Intrawell Parametric

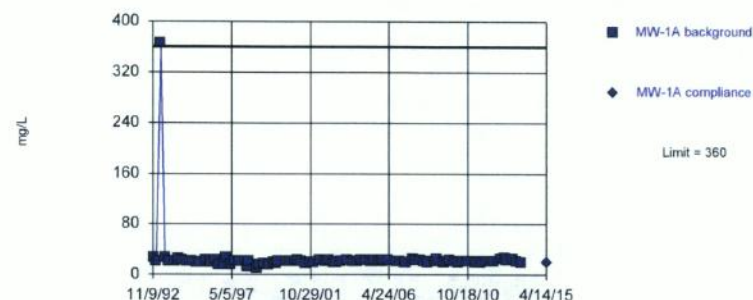


Background Data Summary (based on natural log transformation): Mean=0.703, Std. Dev.=0.3848, n=82. Seasonality was detected with 95% confidence and data were deseasonalized. Normality test: Shapiro Francia @alpha = 0.01, calculated = 0.9718, critical = 0.959. Kappa = 2.004 (c=9, w=4, 1 of 2, event alpha = 0.026). Report alpha = 0.0007314. Rosner's outlier test was performed on the background data. Two background outliers were removed: 26.4 (11/9/1992); 131 (4/26/1993).

Constituent: Sodium Total Analysis Run 5/8/2015 3:05 PM
Green Valley Client: RSI Data: GREENVALLEY

Within Limit

Prediction Limit Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Francia normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 85 background values. Well-constituent pair annual alpha = 0.001077. Individual comparison alpha = 0.0002694 (1 of 2). Distribution was found to be non-normal after removal of suspect values, so outliers could not be identified. Seasonality was not detected with 95% confidence.

Constituent: Sodium Total Analysis Run 5/8/2015 3:05 PM
Green Valley Client: RSI Data: GREENVALLEY

Within Limit

Prediction Limit Intrawell Non-parametric

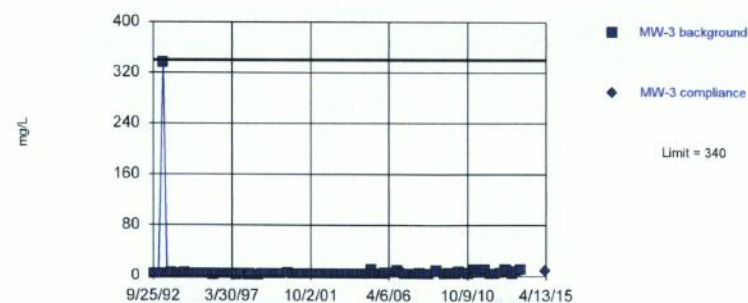


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Francia normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 85 background values. Well-constituent pair annual alpha = 0.001077. Individual comparison alpha = 0.0002694 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated. Seasonality was not detected with 95% confidence.

Constituent: Sodium Total Analysis Run 5/8/2015 3:05 PM
Green Valley Client: RSI Data: GREENVALLEY

Within Limit

Prediction Limit Intrawell Non-parametric

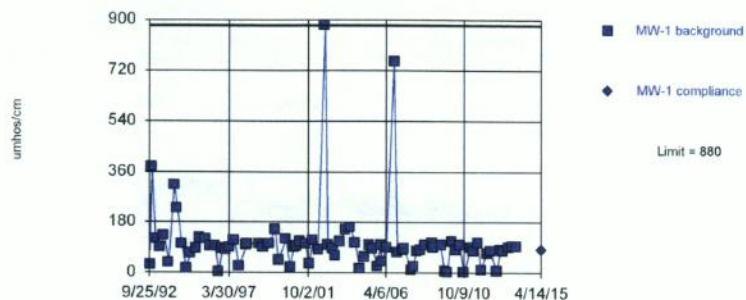


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Francia normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 82 background values. Well-constituent pair annual alpha = 0.001152. Individual comparison alpha = 0.000288 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated. Seasonality was not detected with 95% confidence.

Constituent: Sodium Total Analysis Run 5/8/2015 3:05 PM
Green Valley Client: RSI Data: GREENVALLEY

Within Limit

Prediction Limit Intrawell Non-parametric

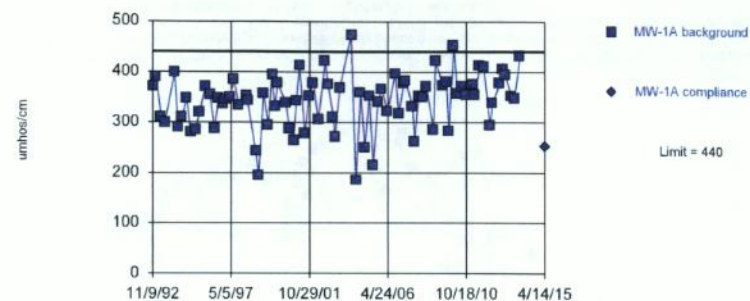


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Francia normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 84 background values. Well-constituent pair annual alpha = 0.001102. Individual comparison alpha = 0.0002756 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated. Data were deseasonalized.

Constituent: Specific Conductance [Field] Analysis Run 5/8/2015 3:05 PM
Green Valley Client: RSI Data: GREENVALLEY

Within Limit

Prediction Limit Intrawell Parametric

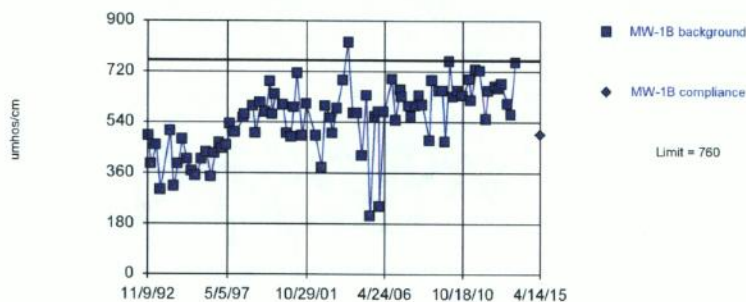


Background Data Summary (based on square transformation): Mean=120248, Std. Dev.=36097, n=82. Seasonality was not detected with 95% confidence. Normality test: Shapiro Francia @alpha = 0.01, calculated = 0.9855, critical = 0.959. Kappa = 2.004 (c=9, w=4, 1 of 2, event alpha = 0.026). Report alpha = 0.0007314. Rosner's outlier test was performed on the background data. Three background outliers were removed: 100 (10/19/1993); 640 (11/25/2003); 140 (1/9/2006).

Constituent: Specific Conductance [Field] Analysis Run 5/8/2015 3:05 PM
Green Valley Client: RSI Data: GREENVALLEY

Within Limit

Prediction Limit Intrawell Parametric

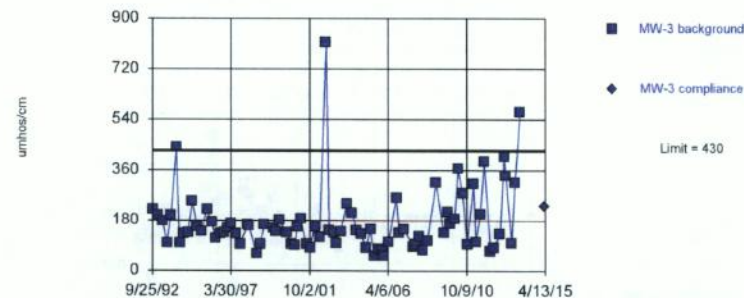


Background Data Summary (based on square transformation): Mean=318256, Std. Dev.=127304, n=83. Seasonality was not detected with 95% confidence. Normality test: Shapiro Francia @alpha = 0.01, calculated = 0.9926, critical = 0.96. Kappa = 2.003 (c=9, w=4, 1 of 2, event alpha = 0.026). Report alpha = 0.0007314. Rosner's outlier test was performed on the background data. Two background outliers were removed: 100 (10/19/1993); 1038 (1/14/2002).

Constituent: Specific Conductance [Field] Analysis Run 5/8/2015 3:05 PM
Green Valley Client: RSI Data: GREENVALLEY

Within Limit

Prediction Limit Intrawell Parametric

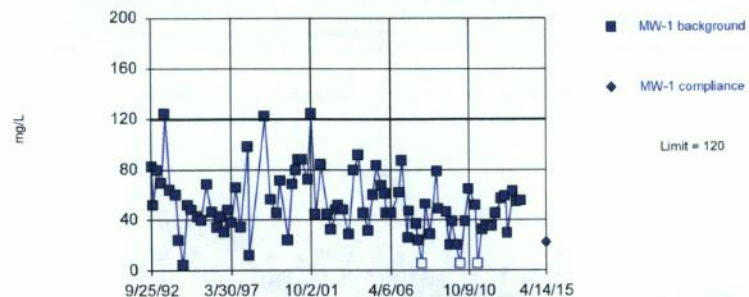


Background Data Summary (based on natural log transformation): Mean=5.006, Std. Dev.=0.5279, n=82. Seasonality was not detected with 95% confidence. Normality test: Shapiro Francia @alpha = 0.01, calculated = 0.9676, critical = 0.959. Kappa = 2.004 (c=9, w=4, 1 of 2, event alpha = 0.026). Report alpha = 0.0007314. Rosner's outlier test was performed on the background data. No background outliers were found.

Constituent: Specific Conductance [Field] Analysis Run 5/8/2015 3:05 PM
Green Valley Client: RSI Data: GREENVALLEY

Within Limit

Prediction Limit Intrawell Parametric

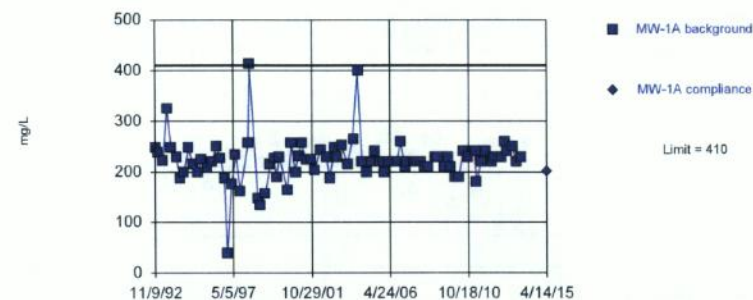


Background Data Summary (based on square root transformation): Mean=6.981, Std. Dev.=1.883, n=83, 3.614% NDs. Seasonality was not detected with 95% confidence. Normality test: Shapiro Francia @alpha = 0.01, calculated = 0.9688, critical = 0.96. Kappa = 2.003 (c=9, w=4, 1 of 2, event alpha = 0.026). Report alpha = 0.0007314. Rosner's outlier test was performed on the background data. One background outlier was removed: 308 (12/1/1998).

Constituent: Total Dissolved Solids [TDS] Analysis Run 5/8/2015 3:05 PM
Green Valley Client: RSI Data: GREENVALLEY

Within Limit

Prediction Limit Intrawell Non-parametric

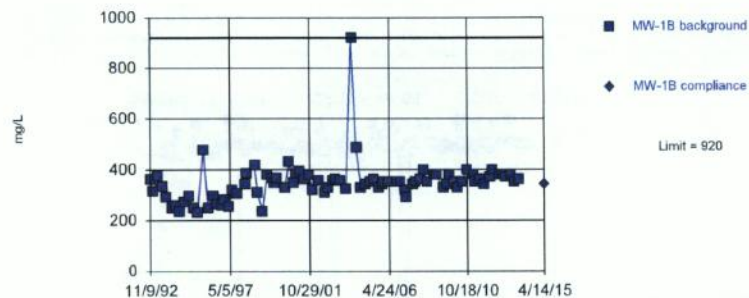


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Francia normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 85 background values. Well-constituent pair annual alpha = 0.001077. Individual comparison alpha = 0.0002694 (1 of 2). Distribution was found to be non-normal after removal of suspect values, so outliers could not be identified. Seasonality was not detected with 95% confidence.

Constituent: Total Dissolved Solids [TDS] Analysis Run 5/8/2015 3:05 PM
Green Valley Client: RSI Data: GREENVALLEY

Within Limit

Prediction Limit Intrawell Non-parametric

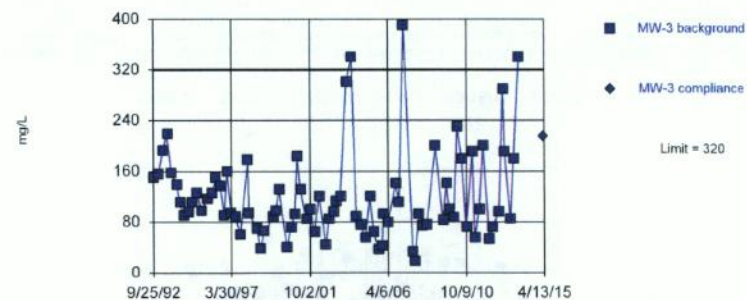


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Francia normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 85 background values. Well-constituent pair annual alpha = 0.001077. Individual comparison alpha = 0.0002694 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated. Seasonality was not detected with 95% confidence.

Constituent: Total Dissolved Solids [TDS] Analysis Run 5/8/2015 3:05 PM
Green Valley Client: RSI Data: GREENVALLEY

Within Limit

Prediction Limit Intrawell Parametric

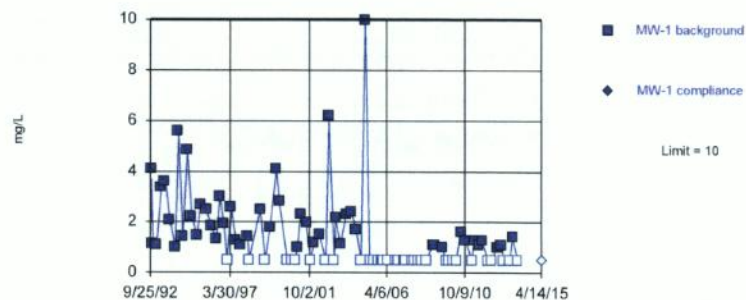


Background Data Summary (based on natural log transformation): Mean=4.647, Std. Dev.=0.5563, n=82. Seasonality was not detected with 95% confidence. Normality test: Shapiro Francia @alpha = 0.01, calculated = 0.9784, critical = 0.959. Kappa = 2.004 (c=9, w=4, 1 of 2, event alpha = 0.026). Report alpha = 0.0007314. Rosner's outlier test was performed on the background data. No background outliers were found.

Constituent: Total Dissolved Solids [TDS] Analysis Run 5/8/2015 3:05 PM
Green Valley Client: RSI Data: GREENVALLEY

Within Limit

Prediction Limit Intrawell Non-parametric

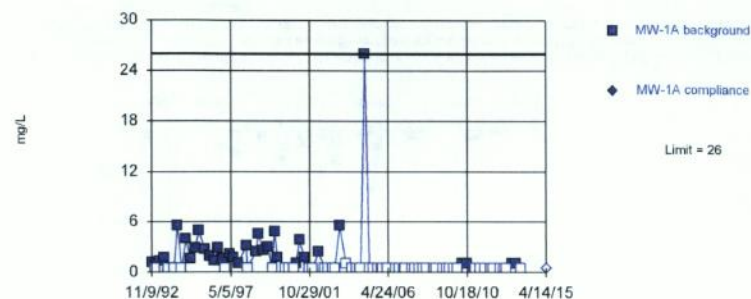


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Francia normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 84 background values. 41.67% NDs. Well-constituent pair annual alpha = 0.001102. Individual comparison alpha = 0.0002756 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated. Seasonality was not detected with 95% confidence.

Constituent: Total Organic Carbon [TOC] Analysis Run 5/8/2015 3:05 PM
Green Valley Client: RSI Data: GREENVALLEY

Within Limit

Prediction Limit Intrawell Non-parametric

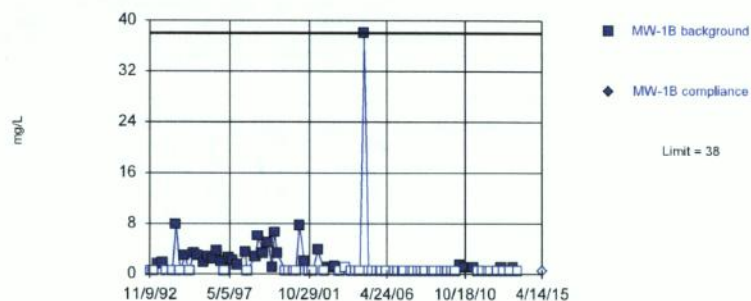


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 85 background values. 61.18% NDs. Well-constituent pair annual alpha = 0.001077. Individual comparison alpha = 0.0002694 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated. Seasonality was not detected with 95% confidence.

Constituent: Total Organic Carbon [TOC] Analysis Run 5/8/2015 3:05 PM
Green Valley Client: RSI Data: GREENVALLEY

Within Limit

Prediction Limit Intrawell Non-parametric

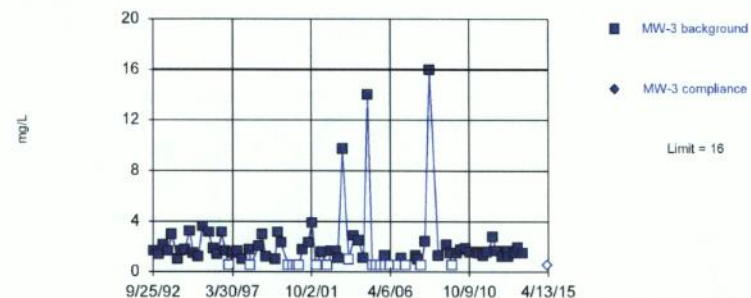


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 85 background values. 58.82% NDs. Well-constituent pair annual alpha = 0.001077. Individual comparison alpha = 0.0002694 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated. Seasonality was not detected with 95% confidence.

Constituent: Total Organic Carbon [TOC] Analysis Run 5/8/2015 3:05 PM
Green Valley Client: RSI Data: GREENVALLEY

Within Limit

Prediction Limit Intrawell Non-parametric

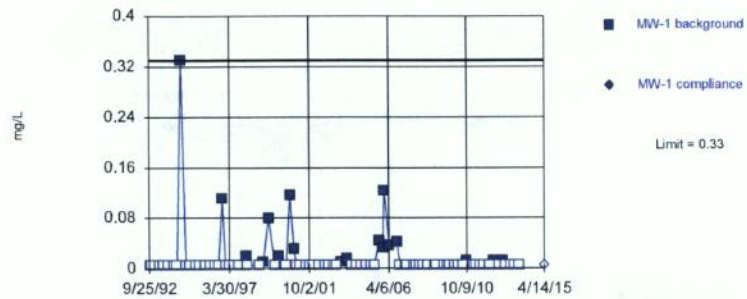


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Francia normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 82 background values. 21.95% NDs. Well-constituent pair annual alpha = 0.001152. Individual comparison alpha = 0.000288 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated. Seasonality was not detected with 95% confidence.

Constituent: Total Organic Carbon [TOC] Analysis Run 5/8/2015 3:05 PM
Green Valley Client: RSI Data: GREENVALLEY

Within Limit

Prediction Limit Intrawell Non-parametric

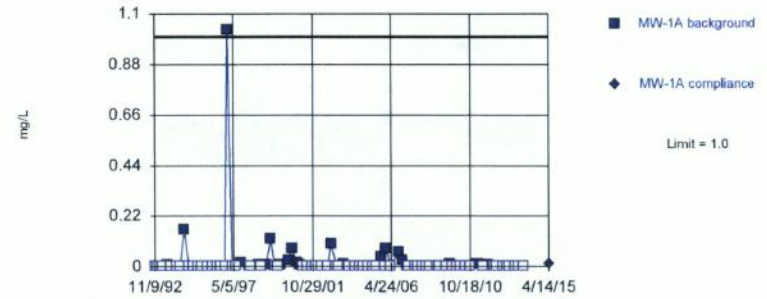


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 84 background values. 78.57% NDs. Well-constituent pair annual alpha = 0.001102. Individual comparison alpha = 0.0002756 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated. Seasonality was not detected with 95% confidence.

Constituent: Total Organic Halides Analysis Run 5/8/2015 3:05 PM
Green Valley Client: RSI Data: GREENVALLEY

Within Limit

Prediction Limit Intrawell Non-parametric

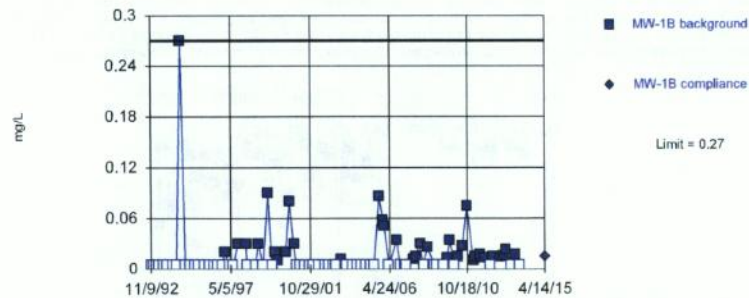


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 85 background values. 74.12% NDs. Well-constituent pair annual alpha = 0.001077. Individual comparison alpha = 0.0002694 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated. Seasonality was not detected with 95% confidence.

Constituent: Total Organic Halides Analysis Run 5/8/2015 3:05 PM
Green Valley Client: RSI Data: GREENVALLEY

Within Limit

Prediction Limit Intrawell Non-parametric

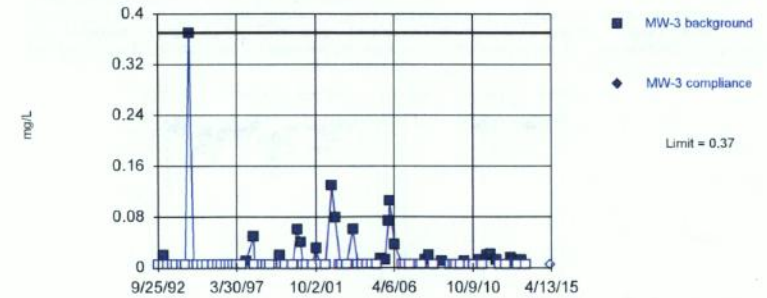


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 85 background values. 60% NDs. Well-constituent pair annual alpha = 0.001077. Individual comparison alpha = 0.0002694 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated. Seasonality was not detected with 95% confidence.

Constituent: Total Organic Halides Analysis Run 5/8/2015 3:05 PM
Green Valley Client: RSI Data: GREENVALLEY

Within Limit

Prediction Limit Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 82 background values. 67.07% NDs. Well-constituent pair annual alpha = 0.001152. Individual comparison alpha = 0.000288 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated. Seasonality was not detected with 95% confidence.

Constituent: Total Organic Halides Analysis Run 5/8/2015 3:05 PM
Green Valley Client: RSI Data: GREENVALLEY

**INTRA-WELL PREDICTION LIMITS
NEWER WELLS
QUARTERLY PARAMETERS**

Prediction Limit

Green Valley Client: RSI Data: GREENVALLEY Printed 5/8/2015, 3:08 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform Alpha	Method
Chemical Oxygen Demand [COD] (mg/L)	MW-28C	27	n/a	4/13/2015	5ND	No	19	n/a	n/a	73.68	n/a	n/a	0.004738 NP Intra (NDs) 1 of 2
Chemical Oxygen Demand [COD] (mg/L)	MW-28D	12	n/a	4/13/2015	5ND	No	19	n/a	n/a	89.47	n/a	n/a	0.004738 NP Intra (NDs) 1 of 2
Chemical Oxygen Demand [COD] (mg/L)	MW-28E	5.0	n/a	4/13/2015	5ND	No	19	n/a	n/a	100	n/a	n/a	0.004738 NP Intra (NDs) 1 of 2
Chloride (mg/L)	MW-28C	39	n/a	4/13/2015	14.9	No	19	2.507	0.4018	0	None	x ^{1/3}	0.0009751 Param Intra 1 of 2
Chloride (mg/L)	MW-28D	23	n/a	4/13/2015	29.5	Yes	19	n/a	n/a	0	n/a	n/a	0.004738 NP Intra (normality) 1 of 2
Chloride (mg/L)	MW-28E	2.4	n/a	4/13/2015	1.9	No	19	8.769	2.198	0	None	x ³	0.0009751 Param Intra 1 of 2
Iron Total (mg/L)	MW-28C	72	n/a	4/13/2015	3.7	No	19	n/a	n/a	0	n/a	n/a	0.004738 NP Intra (normality) 1 of 2
Iron Total (mg/L)	MW-28D	160	n/a	4/13/2015	1.9	No	19	0.9493	1.847	0	None	ln(x)	0.0009751 Param Intra 1 of 2
Iron Total (mg/L)	MW-28E	1.7	n/a	4/13/2015	0.23	No	19	-1.962	1.111	5.263	None	ln(x)	0.0009751 Param Intra 1 of 2
pH [Field] (su)	MW-28C	6.5	3.9	4/13/2015	4.65	No	19	167.2	48.45	0	None	x ³	0.0004875 Param Intra 1 of 2
pH [Field] (su)	MW-28D	6.7	4.4	4/13/2015	6.25	No	19	195.1	48.09	0	None	x ³	0.0004875 Param Intra 1 of 2
pH [Field] (su)	MW-28E	7	6	4/13/2015	6.07	No	16	1.866	0.03519	0	None	ln(x)	0.0004875 Param Intra 1 of 2
Sodium Total (mg/L)	MW-28C	28	n/a	4/13/2015	13.3	No	19	16.86	4.952	0	None	No	0.0009751 Param Intra 1 of 2
Sodium Total (mg/L)	MW-28D	38	n/a	4/13/2015	29.1	No	19	722.6	316.8	0	None	x ²	0.0009751 Param Intra 1 of 2
Sodium Total (mg/L)	MW-28E	21	n/a	4/13/2015	11.2	No	19	247.1	96.1	0	None	x ²	0.0009751 Param Intra 1 of 2
Specific Conductance [Field] (umhos/cm)	MW-28C	810	n/a	4/13/2015	310	No	19	536.5	124.3	0	None	No	0.0009751 Param Intra 1 of 2
Specific Conductance [Field] (umhos/cm)	MW-28D	790	n/a	4/13/2015	691	No	19	334002	126564	0	None	x ²	0.0009751 Param Intra 1 of 2
Specific Conductance [Field] (umhos/cm)	MW-28E	410	n/a	4/13/2015	217	No	18	5.799	0.09481	0	None	ln(x)	0.0009751 Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	MW-28C	520	n/a	4/13/2015	281	No	19	360.5	71.53	0	None	No	0.0009751 Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	MW-28D	460	n/a	4/13/2015	474	Yes	19	3.7e15	2.4e15	0	None	x⁶	0.0009751 Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	MW-28E	240	n/a	4/13/2015	162	No	18	6646389	2842487	0	None	x ³	0.0009751 Param Intra 1 of 2
Total Organic Carbon [TOC] (mg/L)	MW-28C	2.8	n/a	4/13/2015	0.5ND	No	17	0.6108	0.1771	0	None	ln(x)	0.0009751 Param Intra 1 of 2
Total Organic Carbon [TOC] (mg/L)	MW-28D	2.1	n/a	4/13/2015	0.5ND	No	19	0.4476	0.1376	0	None	ln(x)	0.0009751 Param Intra 1 of 2
Total Organic Carbon [TOC] (mg/L)	MW-28E	1.6	n/a	4/13/2015	0.5ND	No	19	1.11	0.228	21.05	Kaplan-Meier	No	0.0009751 Param Intra 1 of 2
Total Organic Halides (mg/L)	MW-28C	0.055	n/a	4/13/2015	0.005ND	No	19	0.2636	0.05244	10.53	None	x ^{1/3}	0.0009751 Param Intra 1 of 2
Total Organic Halides (mg/L)	MW-28D	0.034	n/a	4/13/2015	0.016	No	19	n/a	n/a	36.84	n/a	n/a	0.004738 NP Intra (normality) 1 of 2
Total Organic Halides (mg/L)	MW-28E	0.034	n/a	4/13/2015	0.005ND	No	19	n/a	n/a	73.68	n/a	n/a	0.004738 NP Intra (NDs) 1 of 2

Within Limit

Prediction Limit Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 19 background values. 100% NDs. Well-constituent pair annual alpha = 0.01882. Individual comparison alpha = 0.004738 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated. Seasonality was not detected with 95% confidence.

Constituent: Chemical Oxygen Demand [COD] Analysis Run 5/8/2015 3:07 PM
Green Valley Client: RSI Data: GREENVALLEY

Within Limit

Prediction Limit Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 19 background values. 89.47% NDs. Well-constituent pair annual alpha = 0.01882. Individual comparison alpha = 0.004738 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated. Seasonality was not detected with 95% confidence.

Constituent: Chemical Oxygen Demand [COD] Analysis Run 5/8/2015 3:07 PM
Green Valley Client: RSI Data: GREENVALLEY

Within Limit

Prediction Limit Intrawell Non-parametric

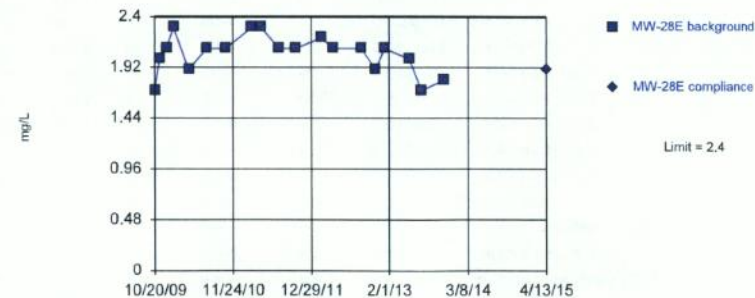


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 19 background values. 73.68% NDs. Well-constituent pair annual alpha = 0.01882. Individual comparison alpha = 0.004738 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated. Seasonality was not detected with 95% confidence.

Constituent: Chemical Oxygen Demand [COD] Analysis Run 5/8/2015 3:07 PM
Green Valley Client: RSI Data: GREENVALLEY

Within Limit

Prediction Limit Intrawell Parametric

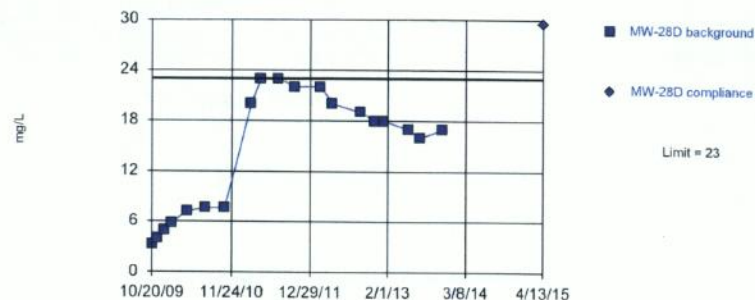


Background Data Summary (based on cube transformation): Mean=8.769, Std. Dev.=2.198, n=19. Seasonality was not detected with 95% confidence. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9124, critical = 0.901, Kappa = 2.232 (c=9, w=3, 1 of 2, event alpha = 0.026). Report alpha = 0.0009751. After outlier removal distribution was non-normal, so outlier results were invalidated.

Constituent: Chloride Analysis Run 5/8/2015 3:07 PM
Green Valley Client: RSI Data: GREENVALLEY

Exceeds Limit

Prediction Limit Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.05 alpha level. Limit is highest of 19 background values. Well-constituent pair annual alpha = 0.01882. Individual comparison alpha = 0.004738 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated. Seasonality was not detected with 95% confidence.

Constituent: Chloride Analysis Run 5/8/2015 3:07 PM
Green Valley Client: RSI Data: GREENVALLEY

Within Limit

Prediction Limit Intrawell Parametric



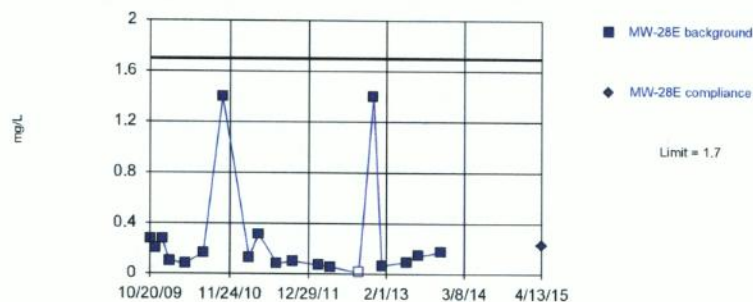
Background Data Summary (based on cube root transformation): Mean=2.507, Std. Dev.=0.4018, n=19. Seasonality was not detected with 95% confidence. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.979, critical = 0.901. Kappa = 2.232 (c=9, w=3, 1 of 2, event alpha = 0.026). Report alpha = 0.0009751. EPA 1989 outlier screening was performed on the background data (to establish suspected outliers for Dixon's/Rosner's). No background outliers were found.

Constituent: Chloride Analysis Run 5/8/2015 3:07 PM
Green Valley Client: RSI Data: GREENVALLEY

Hollow symbols indicate censored values.

Within Limit

Prediction Limit Intrawell Parametric

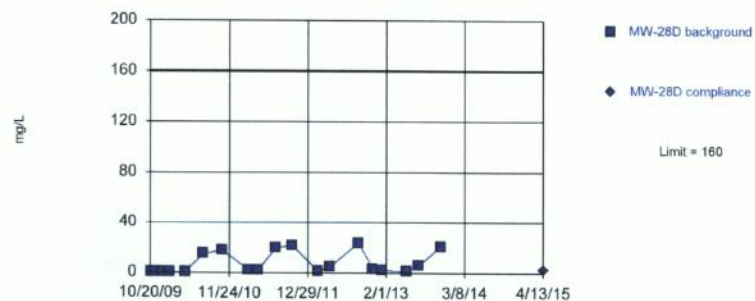


Background Data Summary (based on natural log transformation): Mean=-1.962, Std. Dev.=1.111, n=19, 5.263% NDs. Seasonality was not detected with 95% confidence. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9173, critical = 0.901. Kappa = 2.232 (c=9, w=3, 1 of 2, event alpha = 0.026). Report alpha = 0.0009751. EPA 1989 outlier screening was performed on the background data (to establish suspected outliers for Dixon's/Rosner's). No background outliers were found.

Constituent: Iron Total Analysis Run 5/8/2015 3:07 PM
Green Valley Client: RSI Data: GREENVALLEY

Within Limit

Prediction Limit Intrawell Parametric

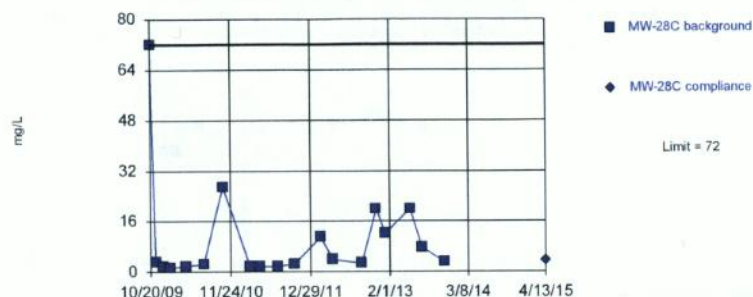


Background Data Summary (based on natural log transformation): Mean=0.9493, Std. Dev.=1.847, n=19. Seasonality was not detected with 95% confidence. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.914, critical = 0.901. Kappa = 2.232 (c=9, w=3, 1 of 2, event alpha = 0.026). Report alpha = 0.0009751. EPA 1989 outlier screening was performed on the background data (to establish suspected outliers for Dixon's/Rosner's). No background outliers were found.

Constituent: Iron Total Analysis Run 5/8/2015 3:07 PM
Green Valley Client: RSI Data: GREENVALLEY

Within Limit

Prediction Limit Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.05 alpha level. Limit is highest of 19 background values. Well-constituent pair annual alpha = 0.01882. Individual comparison alpha = 0.004738 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated. Seasonality was not detected with 95% confidence.

Constituent: Iron Total Analysis Run 5/8/2015 3:07 PM
Green Valley Client: RSI Data: GREENVALLEY

Within Limits

Prediction Limit Intrawell Parametric



Background Data Summary (based on natural log transformation): Mean=1.866, Std. Dev.=0.03519, n=16. Seasonality was not detected with 95% confidence. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9494, critical = 0.887. Kappa = 2.31 (c=9, w=3, 1 of 2, event alpha = 0.026). Report alpha = 0.0009751. Dixon's outlier test was performed on the background data. Three background outliers were removed: 4.76 (4/19/2011); 5.29 (10/11/2011); 5.44 (5/15/2013).

Constituent: pH [Field] Analysis Run 5/8/2015 3:07 PM
Green Valley Client: RSI Data: GREENVALLEY

Within Limits

Prediction Limit Intrawell Parametric



Background Data Summary (based on cube transformation): Mean=195.1, Std. Dev.=48.09, n=19. Seasonality was not detected with 95% confidence. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.989, critical = 0.901. Kappa = 2.232 (c=9, w=3, 1 of 2, event alpha = 0.026). Report alpha = 0.0009751. Dixon's outlier test was performed on the background data. No background outliers were found.

Constituent: pH [Field] Analysis Run 5/8/2015 3:07 PM
Green Valley Client: RSI Data: GREENVALLEY

Within Limits

Prediction Limit Intrawell Parametric



Background Data Summary (based on cube transformation): Mean=167.2, Std. Dev.=48.45, n=19. Seasonality was not detected with 95% confidence. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9925, critical = 0.901. Kappa = 2.232 (c=9, w=3, 1 of 2, event alpha = 0.026). Report alpha = 0.0009751. Dixon's outlier test was performed on the background data. No background outliers were found.

Constituent: pH [Field] Analysis Run 5/8/2015 3:07 PM
Green Valley Client: RSI Data: GREENVALLEY

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on square transformation): Mean=247.1, Std. Dev.=96.1, n=19. Seasonality was not detected with 95% confidence. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9822, critical = 0.901. Kappa = 2.232 (c=9, w=3, 1 of 2, event alpha = 0.026). Report alpha = 0.0009751. Dixon's outlier test was performed on the background data. No background outliers were found.

Constituent: Sodium Total Analysis Run 5/8/2015 3:07 PM
Green Valley Client: RSI Data: GREENVALLEY

Within Limit

Prediction Limit

Intrawell Parametric



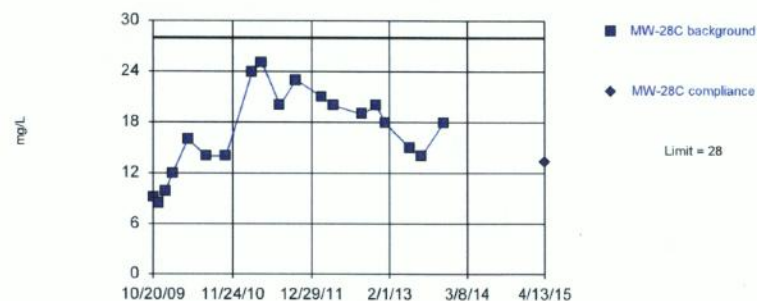
Background Data Summary (based on square transformation): Mean=722.6, Std. Dev.=316.8, n=19. Seasonality was not detected with 95% confidence. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9382, critical = 0.901. Kappa = 2.232 (c=9, w=3, 1 of 2, event alpha = 0.026). Report alpha = 0.0009751. Dixon's outlier test was performed on the background data. No background outliers were found.

Constituent: Sodium Total Analysis Run 5/8/2015 3:07 PM
Green Valley Client: RSI Data: GREENVALLEY

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=16.86, Std. Dev.=4.952, n=19. Seasonality was not detected with 95% confidence. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9629, critical = 0.901. Kappa = 2.232 (c=9, w=3, 1 of 2, event alpha = 0.026). Report alpha = 0.0009751. EPA 1989 outlier screening was performed on the background data (to establish suspected outliers for Dixon's/Rosner's). No background outliers were found.

Constituent: Sodium Total Analysis Run 5/8/2015 3:07 PM
Green Valley Client: RSI Data: GREENVALLEY

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on natural log transformation): Mean=5.799, Std. Dev.=0.09481, n=18. Seasonality was not detected with 95% confidence. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9463, critical = 0.897. Kappa = 2.258 (c=9, w=3, 1 of 2, event alpha = 0.026). Report alpha = 0.0009751. Dixon's outlier test was performed on the background data. One background outlier was removed: 210 (10/20/2009).

Constituent: Specific Conductance [Field] Analysis Run 5/8/2015 3:07 PM
Green Valley Client: RSI Data: GREENVALLEY

Within Limit

Prediction Limit Intrawell Parametric

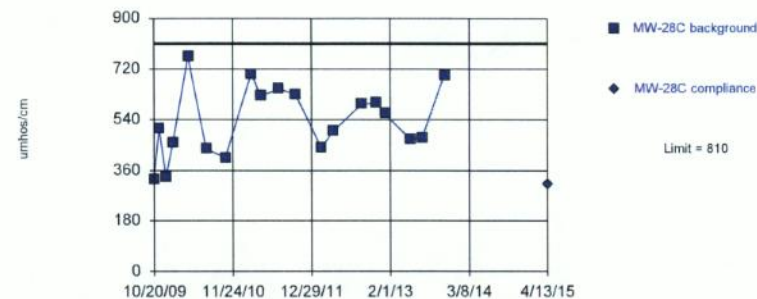


Background Data Summary (based on square transformation): Mean=334002, Std. Dev.=126564, n=19. Seasonality was not detected with 95% confidence. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9603, critical = 0.901. Kappa = 2.232 (c=9, w=3, 1 of 2, event alpha = 0.026). Report alpha = 0.0009751. Dixon's outlier test was performed on the background data. No background outliers were found.

Constituent: Specific Conductance [Field] Analysis Run 5/8/2015 3:07 PM
Green Valley Client: RSI Data: GREENVALLEY

Within Limit

Prediction Limit Intrawell Parametric



Background Data Summary: Mean=536.5, Std. Dev.=124.3, n=19. Seasonality was not detected with 95% confidence. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9702, critical = 0.901. Kappa = 2.232 (c=9, w=3, 1 of 2, event alpha = 0.026). Report alpha = 0.0009751. EPA 1989 outlier screening was performed on the background data (to establish suspected outliers for Dixon's/Rosner's). No background outliers were found.

Constituent: Specific Conductance [Field] Analysis Run 5/8/2015 3:07 PM
Green Valley Client: RSI Data: GREENVALLEY

Within Limit

Prediction Limit Intrawell Parametric



Background Data Summary (based on cube transformation): Mean=6646389, Std. Dev.=2842487, n=18. Seasonality was not detected with 95% confidence. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.916, critical = 0.897. Kappa = 2.258 (c=9, w=3, 1 of 2, event alpha = 0.026). Report alpha = 0.0009751. Dixon's outlier test was performed on the background data. One background outlier was removed: 910 (11/16/2009).

Constituent: Total Dissolved Solids [TDS] Analysis Run 5/8/2015 3:07 PM
Green Valley Client: RSI Data: GREENVALLEY

Exceeds Limit

Prediction Limit Intrawell Parametric



Background Data Summary (based on x⁶ transformation): Mean=3.7e15, Std. Dev.=2.4e15, n=19. Seasonality was not detected with 95% confidence. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9093, critical = 0.901. Kappa = 2.232 (c=9, w=3, 1 of 2, event alpha = 0.026). Report alpha = 0.0009751. After outlier removal distribution was non-normal, so outlier results were invalidated.

Constituent: Total Dissolved Solids [TDS] Analysis Run 5/8/2015 3:07 PM
Green Valley Client: RSI Data: GREENVALLEY

Within Limit

Prediction Limit
Intrawell Parametric

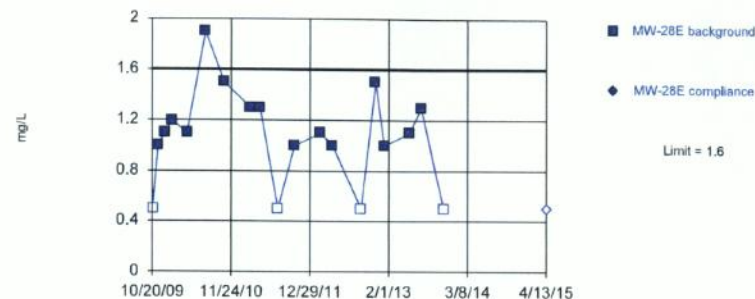


Background Data Summary: Mean=360.5, Std. Dev.=71.53, n=19. Seasonality was not detected with 95% confidence. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9537, critical = 0.901. Kappa = 2.232 (c=9, w=3, 1 of 2, event alpha = 0.026). Report alpha = 0.0009751. EPA 1989 outlier screening was performed on the background data (to establish suspected outliers for Dixon's/Rosner's). No background outliers were found.

Constituent: Total Dissolved Solids [TDS] Analysis Run 5/8/2015 3:07 PM
Green Valley Client: RSI Data: GREENVALLEY

Within Limit

Prediction Limit
Intrawell Parametric



Background Data Summary (after Kaplan-Meier Adjustment): Mean=1.11, Std. Dev.=0.228, n=19, 21.05% NDs. Seasonality was not detected with 95% confidence. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9147, critical = 0.901. Kappa = 2.232 (c=9, w=3, 1 of 2, event alpha = 0.026). Report alpha = 0.0009751. EPA 1989 outlier screening was performed on the background data (to establish suspected outliers for Dixon's/Rosner's). No background outliers were found.

Constituent: Total Organic Carbon [TOC] Analysis Run 5/8/2015 3:07 PM
Green Valley Client: RSI Data: GREENVALLEY

Within Limit

Prediction Limit
Intrawell Parametric



Background Data Summary (based on natural log transformation): Mean=0.4476, Std. Dev.=0.1376, n=19. Seasonality was not detected with 95% confidence. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9607, critical = 0.901. Kappa = 2.232 (c=9, w=3, 1 of 2, event alpha = 0.026). Report alpha = 0.0009751. EPA 1989 outlier screening was performed on the background data (to establish suspected outliers for Dixon's/Rosner's). No background outliers were found.

Constituent: Total Organic Carbon [TOC] Analysis Run 5/8/2015 3:07 PM
Green Valley Client: RSI Data: GREENVALLEY

Within Limit

Prediction Limit
Intrawell Parametric

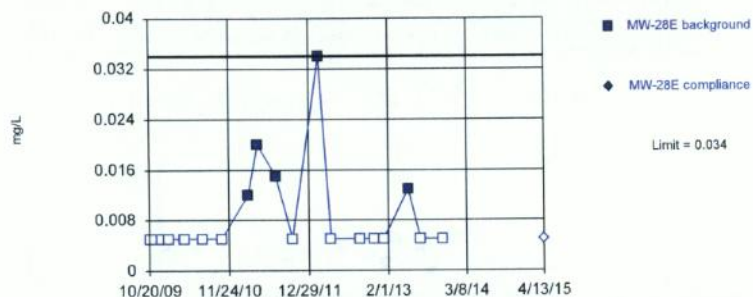


Background Data Summary (based on natural log transformation): Mean=0.6108, Std. Dev.=0.1771, n=17. Insufficient data to test for seasonality: data were not deseasonalized. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9361, critical = 0.892. Kappa = 2.284 (c=9, w=3, 1 of 2, event alpha = 0.026). Report alpha = 0.0009751. Dixon's outlier test was performed on the background data. Two background outliers were removed: 5.9 (10/20/2009); 7.5 (10/19/2010).

Constituent: Total Organic Carbon [TOC] Analysis Run 5/8/2015 3:07 PM
Green Valley Client: RSI Data: GREENVALLEY

Within Limit

Prediction Limit Intrawell Non-parametric

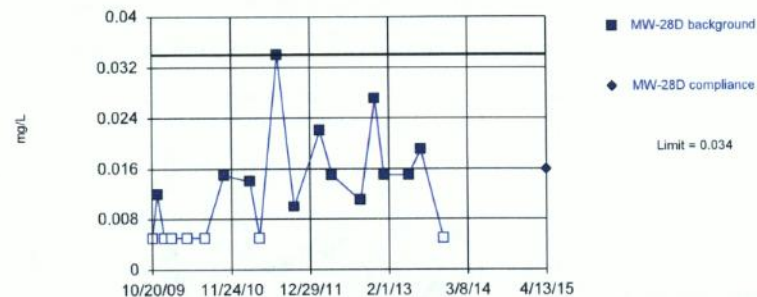


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 19 background values. 73.68% NDs. Well-constituent pair annual alpha = 0.01882. Individual comparison alpha = 0.004738 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated. Seasonality was not detected with 95% confidence.

Constituent: Total Organic Halides Analysis Run 5/8/2015 3:07 PM
Green Valley Client: RSI Data: GREENVALLEY

Within Limit

Prediction Limit Intrawell Non-parametric

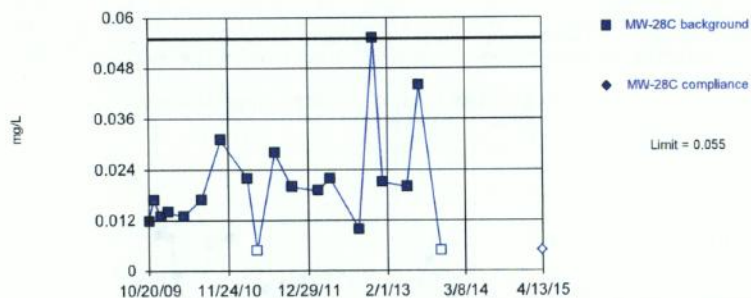


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.05 alpha level. Limit is highest of 19 background values. 36.84% NDs. Well-constituent pair annual alpha = 0.01882. Individual comparison alpha = 0.004738 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated. Seasonality was not detected with 95% confidence.

Constituent: Total Organic Halides Analysis Run 5/8/2015 3:07 PM
Green Valley Client: RSI Data: GREENVALLEY

Within Limit

Prediction Limit Intrawell Parametric



Background Data Summary (based on cube root transformation): Mean=0.2636, Std. Dev.=0.05244, n=19, 10.53% NDs. Seasonality was not detected with 95% confidence. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9585, critical = 0.901. Kappa = 2.232 (c=9, w=3, 1 of 2, event alpha = 0.026). Report alpha = 0.0009751. EPA 1989 outlier screening was performed on the background data (to establish suspected outliers for Dixon's/Rosner's). No background outliers were found.

Constituent: Total Organic Halides Analysis Run 5/8/2015 3:07 PM
Green Valley Client: RSI Data: GREENVALLEY

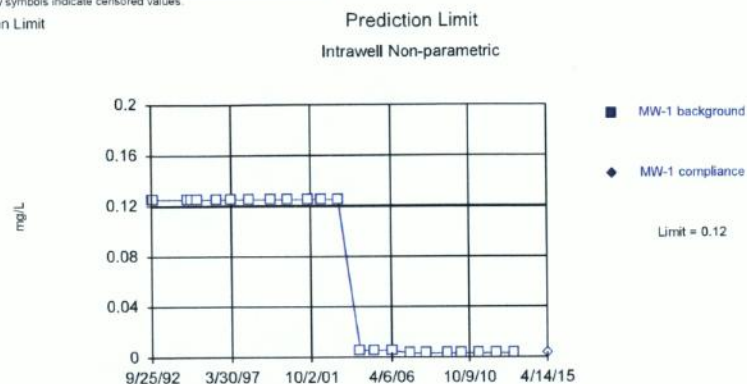
**INTRA-WELL PREDICTION LIMITS
OLDER WELLS
ANNUAL PARAMETERS**

Prediction Limit

Green Valley Client: RSI Data: GREENVALLEY Printed 5/12/2015, 3:59 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony Total (mg/L)	MW-1	0.12	n/a	4/14/2015	0.003ND	No	23	n/a	n/a	100	n/a	n/a	0.003441	NP Intra (NDs) 1 of 2
Antimony Total (mg/L)	MW-1A	0.12	n/a	4/14/2015	0.003ND	No	22	n/a	n/a	100	n/a	n/a	0.003737	NP Intra (NDs) 1 of 2
Antimony Total (mg/L)	MW-1B	0.12	n/a	4/14/2015	0.003ND	No	22	n/a	n/a	100	n/a	n/a	0.003737	NP Intra (NDs) 1 of 2
Antimony Total (mg/L)	MW-3	0.12	n/a	4/13/2015	0.003ND	No	20	n/a	n/a	100	n/a	n/a	0.004329	NP Intra (NDs) 1 of 2
Beryllium Total (mg/L)	MW-1	0.010	n/a	4/14/2015	0.005ND	No	23	n/a	n/a	95.65	n/a	n/a	0.003441	NP Intra (NDs) 1 of 2
Beryllium Total (mg/L)	MW-1A	0.010	n/a	4/14/2015	0.005ND	No	22	n/a	n/a	95.45	n/a	n/a	0.003737	NP Intra (NDs) 1 of 2
Beryllium Total (mg/L)	MW-1B	0.010	n/a	4/14/2015	0.005ND	No	22	n/a	n/a	95.45	n/a	n/a	0.003737	NP Intra (NDs) 1 of 2
Beryllium Total (mg/L)	MW-3	0.010	n/a	4/13/2015	0.005ND	No	20	n/a	n/a	95	n/a	n/a	0.004329	NP Intra (NDs) 1 of 2
Cobalt Total (mg/L)	MW-1	0.010	n/a	4/14/2015	0.01ND	No	23	n/a	n/a	100	n/a	n/a	0.003441	NP Intra (NDs) 1 of 2
Cobalt Total (mg/L)	MW-1A	0.010	n/a	4/14/2015	0.01ND	No	22	n/a	n/a	100	n/a	n/a	0.003737	NP Intra (NDs) 1 of 2
Cobalt Total (mg/L)	MW-1B	0.010	n/a	4/14/2015	0.01ND	No	22	n/a	n/a	100	n/a	n/a	0.003737	NP Intra (NDs) 1 of 2
Cobalt Total (mg/L)	MW-3	0.010	n/a	4/13/2015	0.01ND	No	20	n/a	n/a	100	n/a	n/a	0.004329	NP Intra (NDs) 1 of 2
Copper Total (mg/L)	MW-1	0.020	n/a	4/14/2015	0.005ND	No	23	n/a	n/a	91.3	n/a	n/a	0.003441	NP Intra (NDs) 1 of 2
Copper Total (mg/L)	MW-1A	0.0050	n/a	4/14/2015	0.005ND	No	22	n/a	n/a	100	n/a	n/a	0.003737	NP Intra (NDs) 1 of 2
Copper Total (mg/L)	MW-1B	0.0050	n/a	4/14/2015	0.005ND	No	22	n/a	n/a	100	n/a	n/a	0.003737	NP Intra (NDs) 1 of 2
Copper Total (mg/L)	MW-3	0.010	n/a	4/13/2015	0.005ND	No	20	n/a	n/a	95	n/a	n/a	0.004329	NP Intra (NDs) 1 of 2
Nickel Total (mg/L)	MW-1	0.040	n/a	4/14/2015	0.01ND	No	23	n/a	n/a	82.61	n/a	n/a	0.003441	NP Intra (NDs) 1 of 2
Nickel Total (mg/L)	MW-1A	0.010	n/a	4/14/2015	0.01ND	No	22	n/a	n/a	95.45	n/a	n/a	0.003737	NP Intra (NDs) 1 of 2
Nickel Total (mg/L)	MW-1B	0.010	n/a	4/14/2015	0.01ND	No	22	n/a	n/a	95.45	n/a	n/a	0.003737	NP Intra (NDs) 1 of 2
Nickel Total (mg/L)	MW-3	0.066	n/a	4/13/2015	0.042	No	20	0.2508	0.08452	30	Kaplan-Meier x ^{*(1/3)}	0.003287	Param Intra 1 of 2	
Thallium Total (mg/L)	MW-1	0.12	n/a	4/14/2015	0.001ND	No	23	n/a	n/a	100	n/a	n/a	0.003441	NP Intra (NDs) 1 of 2
Thallium Total (mg/L)	MW-1A	0.12	n/a	4/14/2015	0.001ND	No	22	n/a	n/a	100	n/a	n/a	0.003737	NP Intra (NDs) 1 of 2
Thallium Total (mg/L)	MW-1B	0.12	n/a	4/14/2015	0.001ND	No	22	n/a	n/a	100	n/a	n/a	0.003737	NP Intra (NDs) 1 of 2
Thallium Total (mg/L)	MW-3	0.12	n/a	4/13/2015	0.001ND	No	20	n/a	n/a	100	n/a	n/a	0.004329	NP Intra (NDs) 1 of 2
Vanadium Total (mg/L)	MW-1	0.12	n/a	4/14/2015	0.125ND	No	23	n/a	n/a	100	n/a	n/a	0.003441	NP Intra (NDs) 1 of 2
Vanadium Total (mg/L)	MW-1A	0.12	n/a	4/14/2015	0.125ND	No	22	n/a	n/a	100	n/a	n/a	0.003737	NP Intra (NDs) 1 of 2
Vanadium Total (mg/L)	MW-1B	0.12	n/a	4/14/2015	0.125ND	No	22	n/a	n/a	100	n/a	n/a	0.003737	NP Intra (NDs) 1 of 2
Vanadium Total (mg/L)	MW-3	0.12	n/a	4/13/2015	0.125ND	No	20	n/a	n/a	100	n/a	n/a	0.004329	NP Intra (NDs) 1 of 2
Zinc Total (mg/L)	MW-1	0.11	n/a	4/14/2015	0.005ND	No	23	n/a	n/a	56.52	n/a	n/a	0.003441	NP Intra (NDs) 1 of 2
Zinc Total (mg/L)	MW-1A	0.020	n/a	4/14/2015	0.005ND	No	22	n/a	n/a	81.82	n/a	n/a	0.003737	NP Intra (NDs) 1 of 2
Zinc Total (mg/L)	MW-1B	0.10	n/a	4/14/2015	0.016	No	22	n/a	n/a	77.27	n/a	n/a	0.003737	NP Intra (NDs) 1 of 2
Zinc Total (mg/L)	MW-3	0.11	n/a	4/13/2015	0.051	No	20	0.3184	0.08624	10	None	x ^{*(1/3)}	0.003287	Param Intra 1 of 2

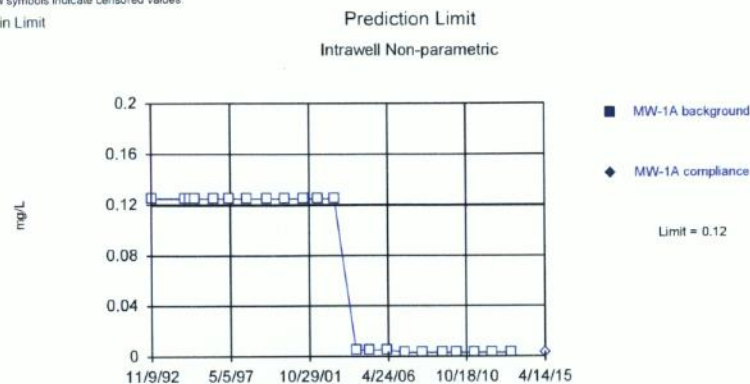
Sanitas™ v 9.5.15 Sanitas software licensed to Jett Environmental Consulting, UG
Hollow symbols indicate censored values.
Within Limit



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 100% NDs. Well-constituent pair annual alpha = 0.003441 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated. Insufficient data to test for seasonality; data were not deseasonalized.

Constituent: Antimony Total Analysis Run 5/12/2015 3:58 PM
Green Valley Client: RSI Data: GREENVALLEY

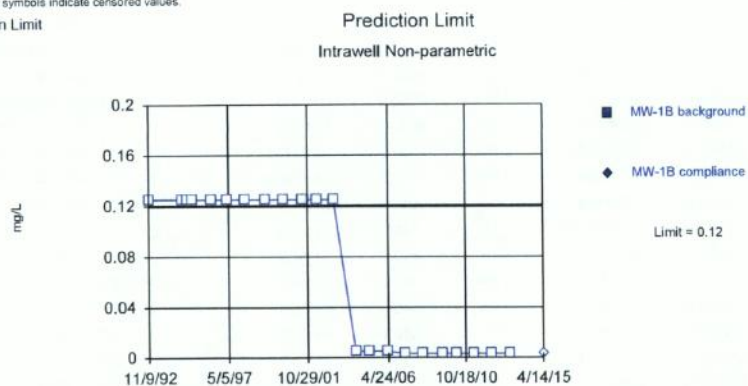
Sanitas™ v 9.5.15 Sanitas software licensed to Jett Environmental Consulting, UG
Hollow symbols indicate censored values.
Within Limit



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 22 background values. 100% NDs. Well-constituent pair annual alpha = 0.003737 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated. Insufficient data to test for seasonality; data were not deseasonalized.

Constituent: Antimony Total Analysis Run 5/12/2015 3:58 PM
Green Valley Client: RSI Data: GREENVALLEY

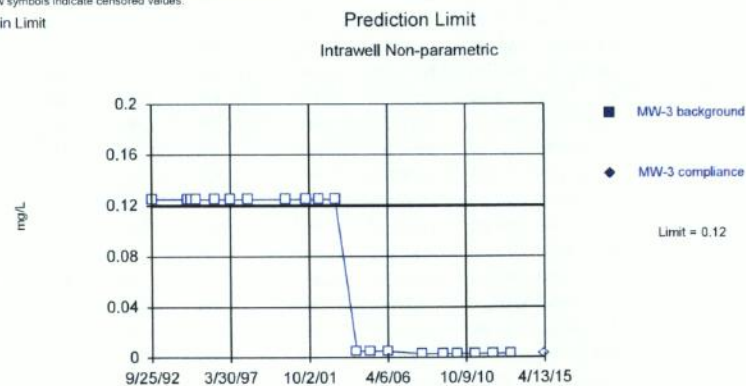
Sanitas™ v 9.5.15 Sanitas software licensed to Jett Environmental Consulting, UG
Hollow symbols indicate censored values.
Within Limit



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 22 background values. 100% NDs. Well-constituent pair annual alpha = 0.003737 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated. Insufficient data to test for seasonality; data were not deseasonalized.

Constituent: Antimony Total Analysis Run 5/12/2015 3:58 PM
Green Valley Client: RSI Data: GREENVALLEY

Sanitas™ v 9.5.15 Sanitas software licensed to Jett Environmental Consulting, UG
Hollow symbols indicate censored values.
Within Limit

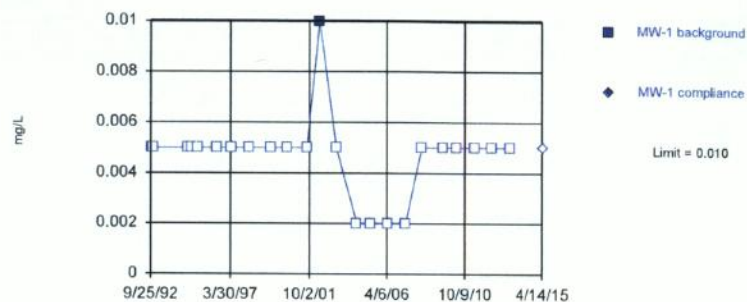


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 100% NDs. Well-constituent pair annual alpha = 0.004329 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated. Insufficient data to test for seasonality; data were not deseasonalized.

Constituent: Antimony Total Analysis Run 5/12/2015 3:58 PM
Green Valley Client: RSI Data: GREENVALLEY

Within Limit

Prediction Limit Intrawell Non-parametric

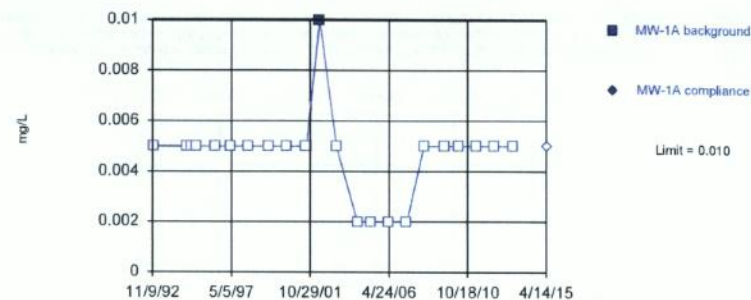


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 95.65% NDs. Well-constituent pair annual alpha = 0.003441 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated. Insufficient data to test for seasonality: data were not deseasonalized.

Constituent: Beryllium Total Analysis Run 5/12/2015 3:58 PM
Green Valley Client: RSI Data: GREENVALLEY

Within Limit

Prediction Limit Intrawell Non-parametric

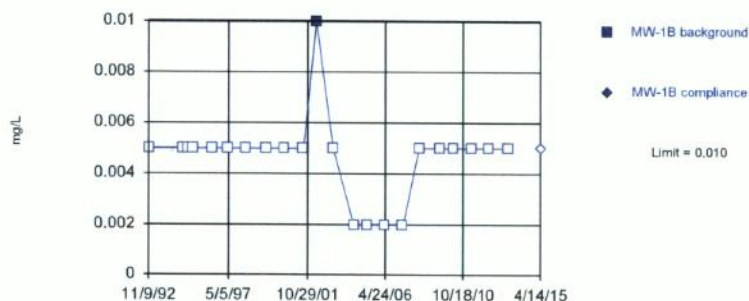


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 22 background values. 95.45% NDs. Well-constituent pair annual alpha = 0.003737 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated. Insufficient data to test for seasonality: data were not deseasonalized.

Constituent: Beryllium Total Analysis Run 5/12/2015 3:58 PM
Green Valley Client: RSI Data: GREENVALLEY

Within Limit

Prediction Limit Intrawell Non-parametric

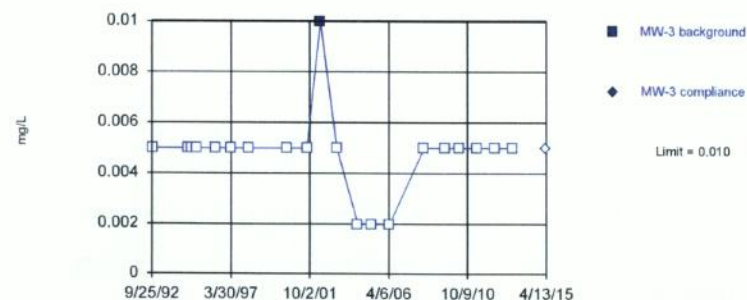


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 22 background values. 95.45% NDs. Well-constituent pair annual alpha = 0.003737 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated. Insufficient data to test for seasonality: data were not deseasonalized.

Constituent: Beryllium Total Analysis Run 5/12/2015 3:58 PM
Green Valley Client: RSI Data: GREENVALLEY

Within Limit

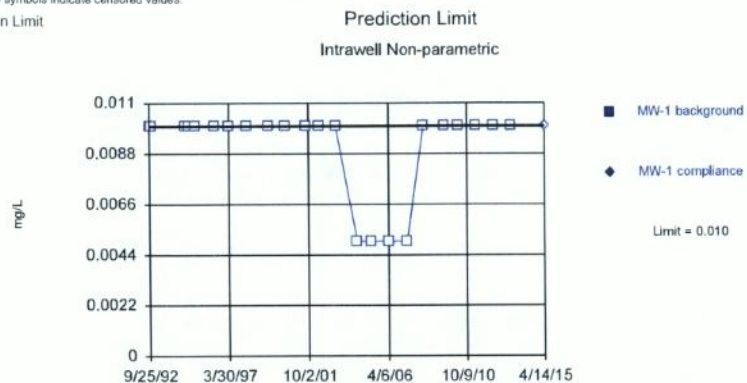
Prediction Limit Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 95% NDs. Well-constituent pair annual alpha = 0.004329 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated. Insufficient data to test for seasonality: data were not deseasonalized.

Constituent: Beryllium Total Analysis Run 5/12/2015 3:58 PM
Green Valley Client: RSI Data: GREENVALLEY

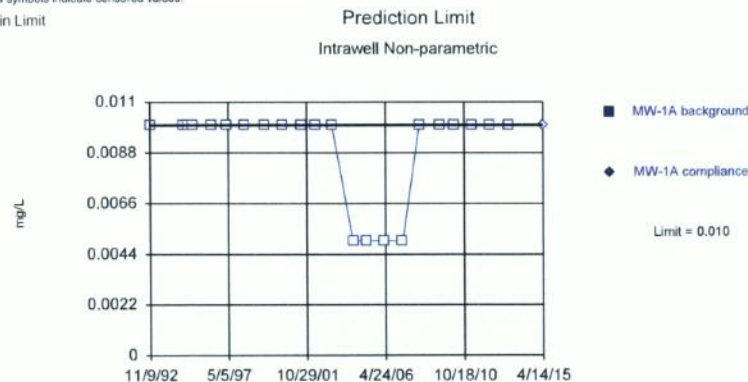
Sanitas™ v 9.5.15 Sanitas software licensed to Jett Environmental Consulting, UG
Hollow symbols indicate censored values.
Within Limit



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 100% NDs. Well-constituent pair annual alpha = 0.003441 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated. Insufficient data to test for seasonality; data were not deseasonalized.

Constituent: Cobalt Total Analysis Run 5/12/2015 3:58 PM
Green Valley Client: RSI Data: GREENVALLEY

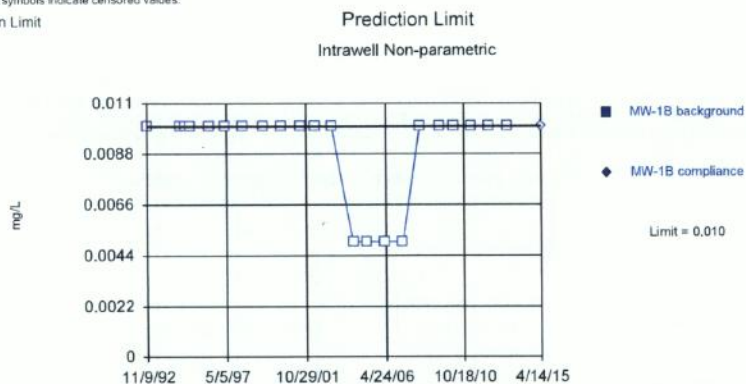
Sanitas™ v 9.5.15 Sanitas software licensed to Jett Environmental Consulting, UG
Hollow symbols indicate censored values.
Within Limit



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 22 background values. 100% NDs. Well-constituent pair annual alpha = 0.003737 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated. Insufficient data to test for seasonality; data were not deseasonalized.

Constituent: Cobalt Total Analysis Run 5/12/2015 3:58 PM
Green Valley Client: RSI Data: GREENVALLEY

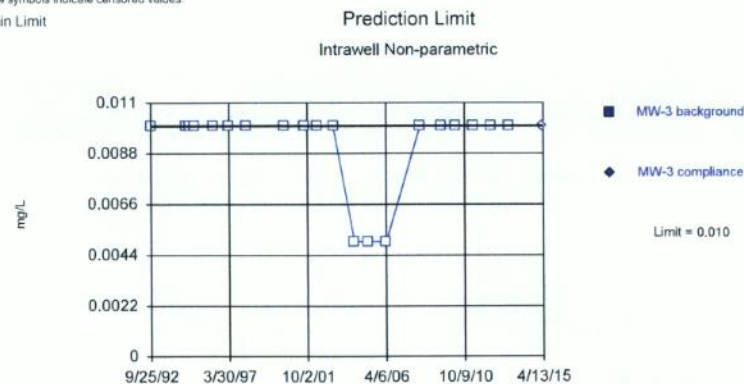
Sanitas™ v 9.5.15 Sanitas software licensed to Jett Environmental Consulting, UG
Hollow symbols indicate censored values.
Within Limit



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 22 background values. 100% NDs. Well-constituent pair annual alpha = 0.003737 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated. Insufficient data to test for seasonality; data were not deseasonalized.

Constituent: Cobalt Total Analysis Run 5/12/2015 3:58 PM
Green Valley Client: RSI Data: GREENVALLEY

Sanitas™ v 9.5.15 Sanitas software licensed to Jett Environmental Consulting, UG
Hollow symbols indicate censored values.
Within Limit

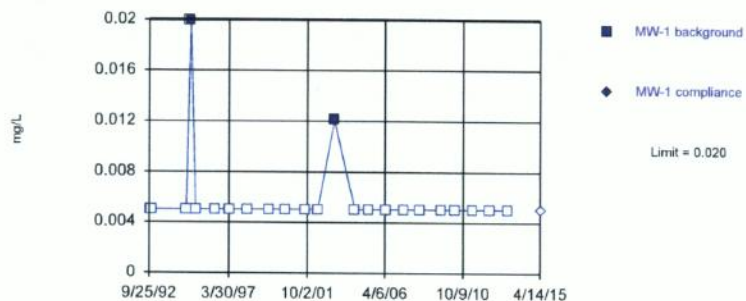


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 100% NDs. Well-constituent pair annual alpha = 0.004329 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated. Insufficient data to test for seasonality; data were not deseasonalized.

Constituent: Cobalt Total Analysis Run 5/12/2015 3:58 PM
Green Valley Client: RSI Data: GREENVALLEY

Within Limit

Prediction Limit Intrawell Non-parametric

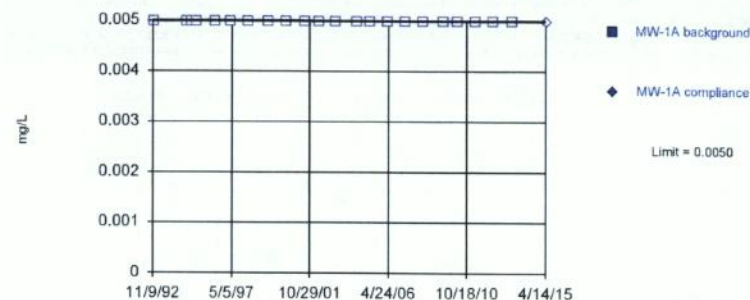


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 91.3% NDs. Well-constituent pair annual alpha = 0.003441 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated. Insufficient data to test for seasonality; data were not deseasonalized.

Constituent: Copper Total Analysis Run 5/12/2015 3:58 PM
Green Valley Client: RSI Data: GREENVALLEY

Within Limit

Prediction Limit Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 22 background values. 100% NDs. Well-constituent pair annual alpha = 0.003737 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated. Insufficient data to test for seasonality; data were not deseasonalized.

Constituent: Copper Total Analysis Run 5/12/2015 3:58 PM
Green Valley Client: RSI Data: GREENVALLEY

Within Limit

Prediction Limit Intrawell Non-parametric

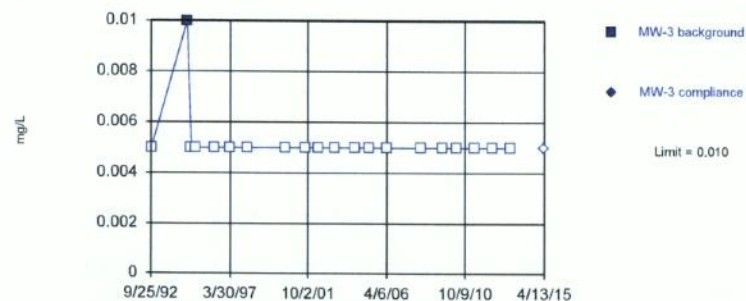


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 22 background values. 100% NDs. Well-constituent pair annual alpha = 0.003737 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated. Insufficient data to test for seasonality; data were not deseasonalized.

Constituent: Copper Total Analysis Run 5/12/2015 3:58 PM
Green Valley Client: RSI Data: GREENVALLEY

Within Limit

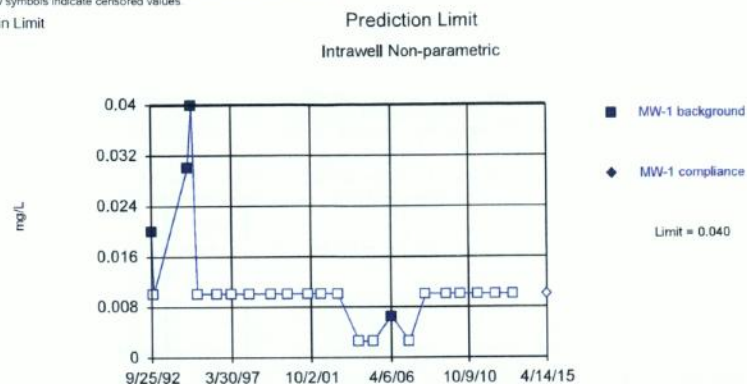
Prediction Limit Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 95% NDs. Well-constituent pair annual alpha = 0.004329 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated. Insufficient data to test for seasonality; data were not deseasonalized.

Constituent: Copper Total Analysis Run 5/12/2015 3:58 PM
Green Valley Client: RSI Data: GREENVALLEY

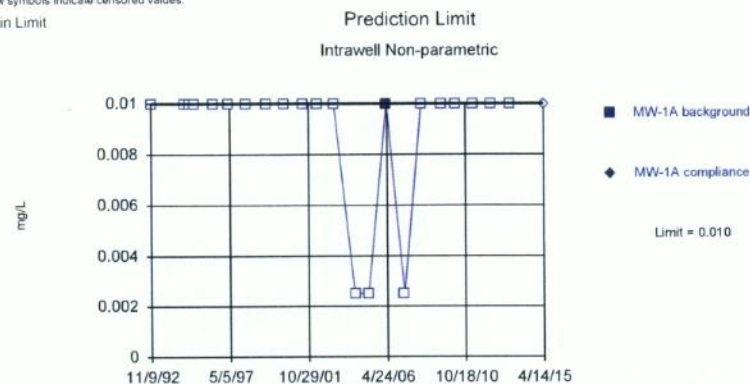
Sanitas™ v 9.5.15 Sanitas software licensed to Jett Environmental Consulting, UG
Hollow symbols indicate censored values.
Within Limit



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 82.61% NDs. Well-constituent pair annual alpha = 0.003441 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated. Insufficient data to test for seasonality; data were not deseasonalized.

Constituent: Nickel Total Analysis Run 5/12/2015 3:58 PM
Green Valley Client: RSI Data: GREENVALLEY

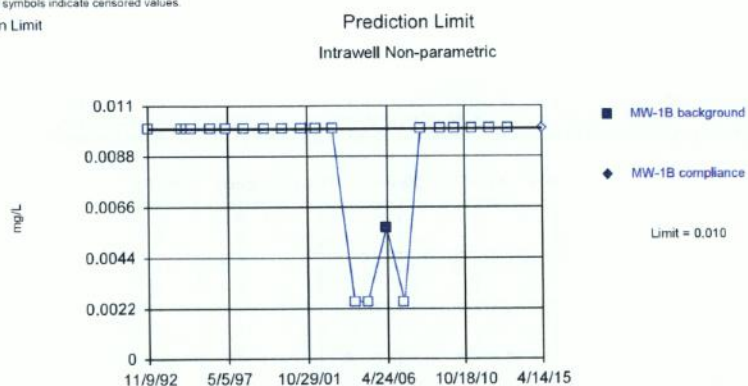
Sanitas™ v 9.5.15 Sanitas software licensed to Jett Environmental Consulting, UG
Hollow symbols indicate censored values.
Within Limit



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 22 background values. 95.45% NDs. Well-constituent pair annual alpha = 0.003737 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated. Insufficient data to test for seasonality; data were not deseasonalized.

Constituent: Nickel Total Analysis Run 5/12/2015 3:58 PM
Green Valley Client: RSI Data: GREENVALLEY

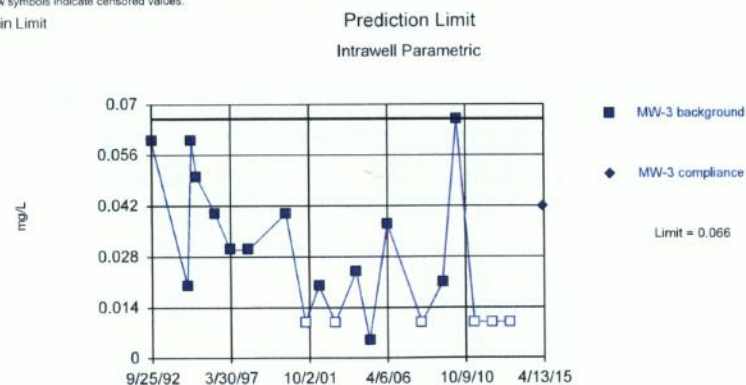
Sanitas™ v 9.5.15 Sanitas software licensed to Jett Environmental Consulting, UG
Hollow symbols indicate censored values.
Within Limit



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 22 background values. 95.45% NDs. Well-constituent pair annual alpha = 0.003737 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated. Insufficient data to test for seasonality; data were not deseasonalized.

Constituent: Nickel Total Analysis Run 5/12/2015 3:58 PM
Green Valley Client: RSI Data: GREENVALLEY

Sanitas™ v 9.5.15 Sanitas software licensed to Jett Environmental Consulting, UG
Hollow symbols indicate censored values.
Within Limit

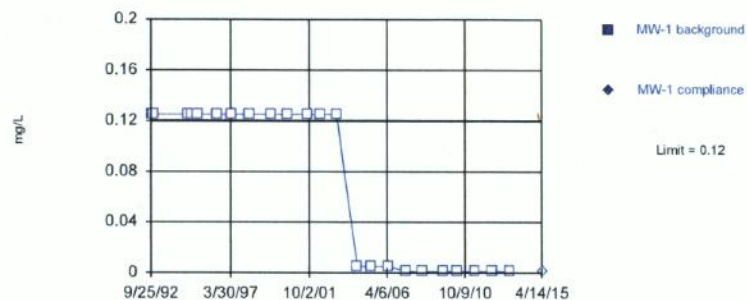


Background Data Summary (based on cube root transformation) (after Kaplan-Meier Adjustment): Mean=0.2508, Std. Dev.=0.08452, n=20, 30% NDs. Insufficient data to test for seasonality; data were not deseasonalized. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9263, critical = 0.868. Kappa = 1.808 (c=8, w=4, 1 of 2, event alpha = 0.1). Report alpha = 0.003287. EPA 1989 outlier screening was performed on the background data (to establish suspected outliers for Dixon's/Rosner's). No background outliers were found.

Constituent: Nickel Total Analysis Run 5/12/2015 3:58 PM
Green Valley Client: RSI Data: GREENVALLEY

Within Limit

Prediction Limit Intrawell Non-parametric

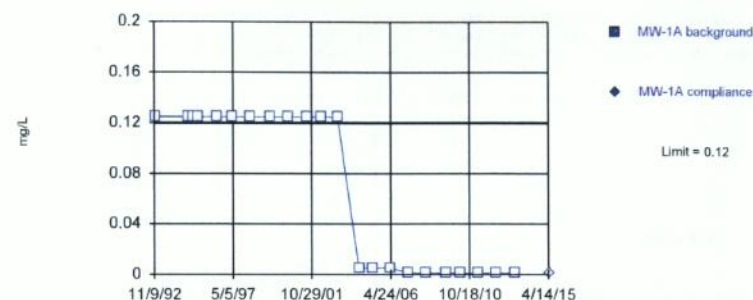


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 100% NDs. Well-constituent pair annual alpha = 0.003441 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated. Insufficient data to test for seasonality; data were not deseasonalized.

Constituent: Thallium Total Analysis Run 5/12/2015 3:58 PM
Green Valley Client: RSI Data: GREENVALLEY

Within Limit

Prediction Limit Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 22 background values. 100% NDs. Well-constituent pair annual alpha = 0.003737 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated. Insufficient data to test for seasonality; data were not deseasonalized.

Constituent: Thallium Total Analysis Run 5/12/2015 3:58 PM
Green Valley Client: RSI Data: GREENVALLEY

Within Limit

Prediction Limit Intrawell Non-parametric

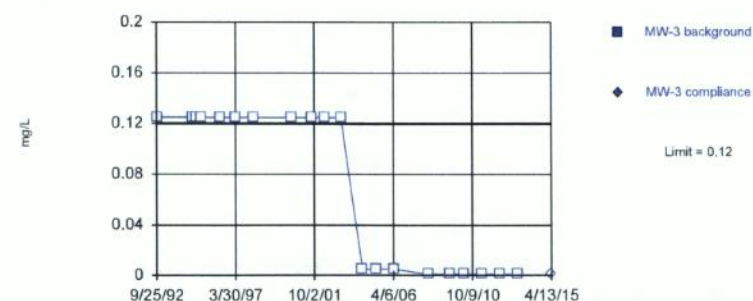


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 22 background values. 100% NDs. Well-constituent pair annual alpha = 0.003737 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated. Insufficient data to test for seasonality; data were not deseasonalized.

Constituent: Thallium Total Analysis Run 5/12/2015 3:58 PM
Green Valley Client: RSI Data: GREENVALLEY

Within Limit

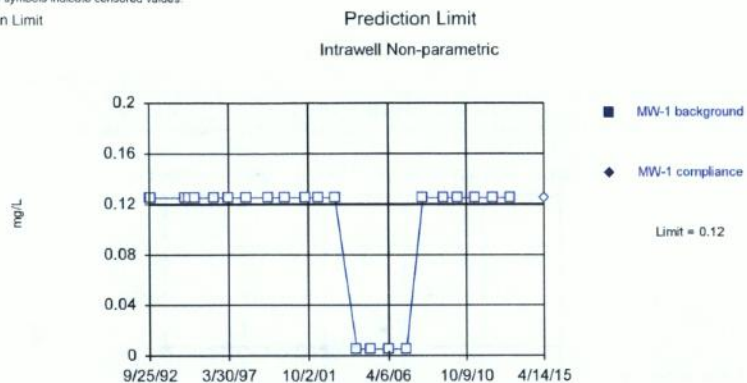
Prediction Limit Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 100% NDs. Well-constituent pair annual alpha = 0.004329 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated. Insufficient data to test for seasonality; data were not deseasonalized.

Constituent: Thallium Total Analysis Run 5/12/2015 3:59 PM
Green Valley Client: RSI Data: GREENVALLEY

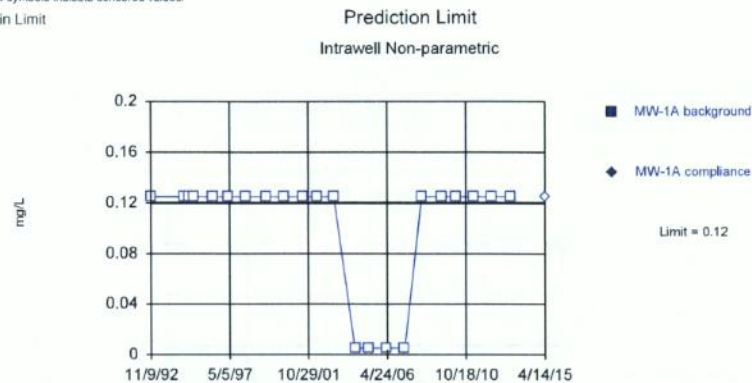
Sanitas™ v 9.5.15 Sanitas software licensed to Jett Environmental Consulting, UG
Hollow symbols indicate censored values.
Within Limit



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 100% NDs. Well-constituent pair annual alpha = 0.003441 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated. Insufficient data to test for seasonality: data were not deseasonalized.

Constituent: Vanadium Total Analysis Run 5/12/2015 3:59 PM
Green Valley Client: RSI Data: GREENVALLEY

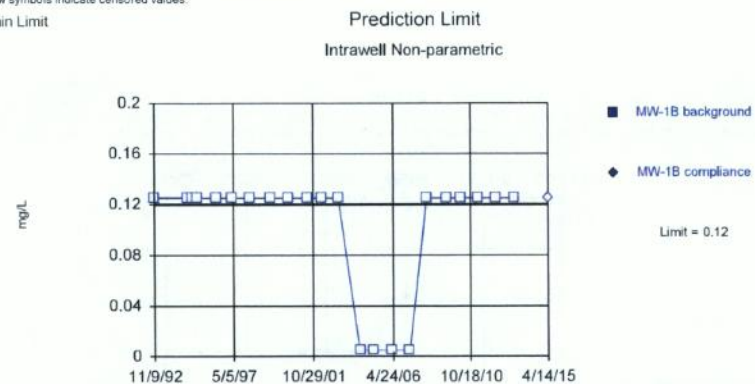
Sanitas™ v 9.5.15 Sanitas software licensed to Jett Environmental Consulting, UG
Hollow symbols indicate censored values.
Within Limit



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 22 background values. 100% NDs. Well-constituent pair annual alpha = 0.003737 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated. Insufficient data to test for seasonality: data were not deseasonalized.

Constituent: Vanadium Total Analysis Run 5/12/2015 3:59 PM
Green Valley Client: RSI Data: GREENVALLEY

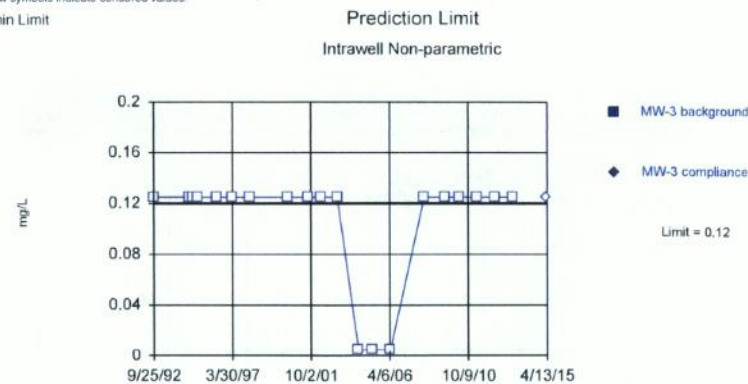
Sanitas™ v 9.5.15 Sanitas software licensed to Jett Environmental Consulting, UG
Hollow symbols indicate censored values.
Within Limit



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 22 background values. 100% NDs. Well-constituent pair annual alpha = 0.003737 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated. Insufficient data to test for seasonality: data were not deseasonalized.

Constituent: Vanadium Total Analysis Run 5/12/2015 3:59 PM
Green Valley Client: RSI Data: GREENVALLEY

Sanitas™ v 9.5.15 Sanitas software licensed to Jett Environmental Consulting, UG
Hollow symbols indicate censored values.
Within Limit

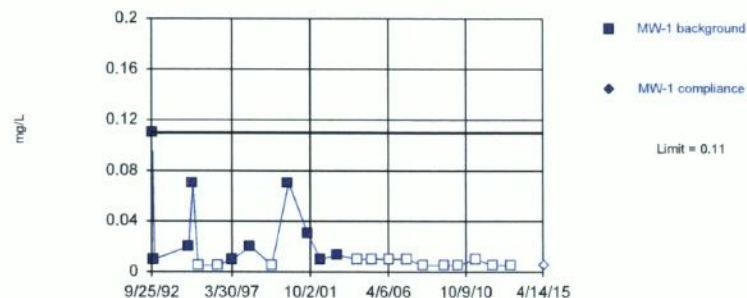


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 100% NDs. Well-constituent pair annual alpha = 0.004329 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated. Insufficient data to test for seasonality: data were not deseasonalized.

Constituent: Vanadium Total Analysis Run 5/12/2015 3:59 PM
Green Valley Client: RSI Data: GREENVALLEY

Within Limit

Prediction Limit Intrawell Non-parametric

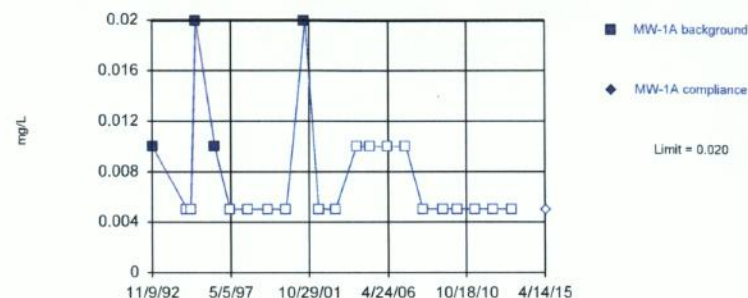


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 56.52% NDs. Well-constituent pair annual alpha = 0.003441 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated. Insufficient data to test for seasonality: data were not deseasonalized.

Constituent: Zinc Total Analysis Run 5/12/2015 3:59 PM
Green Valley Client: RSI Data: GREENVALLEY

Within Limit

Prediction Limit Intrawell Non-parametric

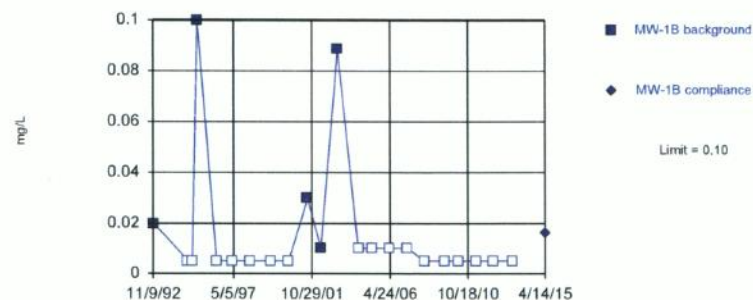


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 22 background values. 81.82% NDs. Well-constituent pair annual alpha = 0.003737 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated. Insufficient data to test for seasonality: data were not deseasonalized.

Constituent: Zinc Total Analysis Run 5/12/2015 3:59 PM
Green Valley Client: RSI Data: GREENVALLEY

Within Limit

Prediction Limit Intrawell Non-parametric

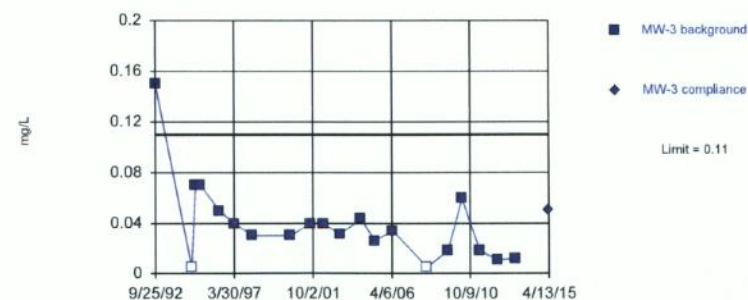


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 22 background values. 77.27% NDs. Well-constituent pair annual alpha = 0.003737 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated. Insufficient data to test for seasonality: data were not deseasonalized.

Constituent: Zinc Total Analysis Run 5/12/2015 3:59 PM
Green Valley Client: RSI Data: GREENVALLEY

Within Limit

Prediction Limit Intrawell Parametric



Background Data Summary (based on cube root transformation): Mean=0.3184, Std. Dev.=0.08624, n=20, 10% NDs. Insufficient data to test for seasonality: data were not deseasonalized. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9633, critical = 0.868. Kappa = 1.808 (c=8, w=4, 1 of 2, event alpha = 0.1). Report alpha = 0.003287. EPA 1989 outlier screening was performed on the background data (to establish suspected outliers for Dixon's/Rosner's). No background outliers were found.

Constituent: Zinc Total Analysis Run 5/12/2015 3:59 PM
Green Valley Client: RSI Data: GREENVALLEY

**INTRA-WELL PREDICTION LIMITS
NEWER WELLS
ANNUAL PARAMETERS**

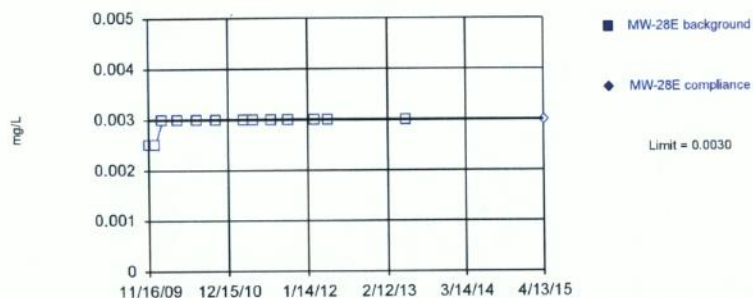
Prediction Limit

Green Valley Client: RSI Data: GREENVALLEY Printed 5/12/2015, 4:01 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform Alpha	Method	
Antimony Total (mg/L)	MW-28E	0.0030	n/a	4/13/2015	0.003ND	No	13	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2	
Antimony Total (mg/L)	MW-28D	0.0030	n/a	4/13/2015	0.003ND	No	13	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2	
Antimony Total (mg/L)	MW-28C	0.0030	n/a	4/13/2015	0.003ND	No	13	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2	
Beryllium Total (mg/L)	MW-28E	0.0050	n/a	4/13/2015	0.005ND	No	13	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2	
Beryllium Total (mg/L)	MW-28D	0.0050	n/a	4/13/2015	0.005ND	No	13	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2	
Beryllium Total (mg/L)	MW-28C	0.0050	n/a	4/13/2015	0.005ND	No	13	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2	
Cobalt Total (mg/L)	MW-28E	0.010	n/a	4/13/2015	0.01ND	No	13	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2	
Cobalt Total (mg/L)	MW-28D	0.047	n/a	4/13/2015	0.01ND	No	13	0.001078	0.000616815.38		Kaplan-Meier	x^2	0.00438	Param Intra 1 of 2
Cobalt Total (mg/L)	MW-28C	0.010	n/a	4/13/2015	0.01ND	No	13	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2	
Copper Total (mg/L)	MW-28E	0.0050	n/a	4/13/2015	0.005ND	No	13	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2	
Copper Total (mg/L)	MW-28D	0.0050	n/a	4/13/2015	0.005ND	No	13	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2	
Copper Total (mg/L)	MW-28C	0.0050	n/a	4/13/2015	0.005ND	No	13	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2	
Nickel Total (mg/L)	MW-28E	0.010	n/a	4/13/2015	0.01ND	No	13	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2	
Nickel Total (mg/L)	MW-28D	0.034	n/a	4/13/2015	0.01ND	No	12	0.00085280.00015980			None	x^2	0.00438	Param Intra 1 of 2
Nickel Total (mg/L)	MW-28C	0.072	n/a	4/13/2015	0.041	No	13	n/a	n/a	23.08	n/a	n/a	NP Intra (normality) 1 of 2	
Thallium Total (mg/L)	MW-28E	0.0050	n/a	4/13/2015	0.001ND	No	13	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2	
Thallium Total (mg/L)	MW-28D	0.0050	n/a	4/13/2015	0.001ND	No	13	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2	
Thallium Total (mg/L)	MW-28C	0.0050	n/a	4/13/2015	0.001ND	No	13	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2	
Vanadium Total (mg/L)	MW-28E	0.12	n/a	4/13/2015	0.125ND	No	13	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2	
Vanadium Total (mg/L)	MW-28D	0.12	n/a	4/13/2015	0.125ND	No	13	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2	
Vanadium Total (mg/L)	MW-28C	0.12	n/a	4/13/2015	0.125ND	No	13	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2	
Zinc Total (mg/L)	MW-28E	0.010	n/a	4/13/2015	0.005ND	No	13	n/a	n/a	100	n/a	n/a	NP Intra (NDs) 1 of 2	
Zinc Total (mg/L)	MW-28D	0.041	n/a	4/13/2015	0.005ND	No	13	0.02738	0.00703	0	None	No	0.00438	Param Intra 1 of 2
Zinc Total (mg/L)	MW-28C	0.082	n/a	4/13/2015	0.047	No	13	0.1756	0.05928	23.08	Kaplan-Meier	sqrt(x)	0.00438	Param Intra 1 of 2

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Hollow symbols indicate censored values.
Within Limit

Prediction Limit Intrawell Non-parametric

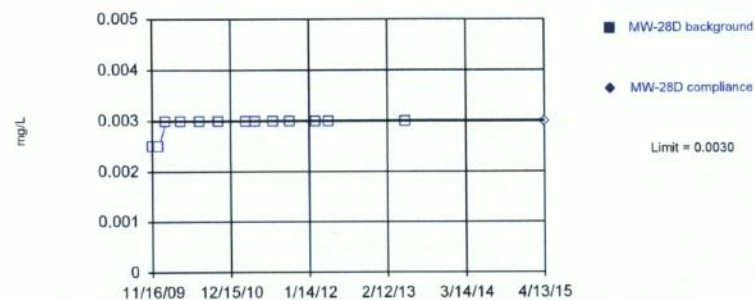


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 13 background values. 100% NDs. Well-constituent pair annual alpha = 0.009877. Individual comparison alpha = 0.009876 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated. Insufficient data to test for seasonality: data were not deseasonalized.

Constituent: Antimony Total Analysis Run 5/12/2015 4:01 PM
Green Valley Client: RSI Data: GREENVALLEY

Sanitas™ v.9.5.15 Sanitas software licensed to Jett Environmental Consulting, UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit Intrawell Non-parametric

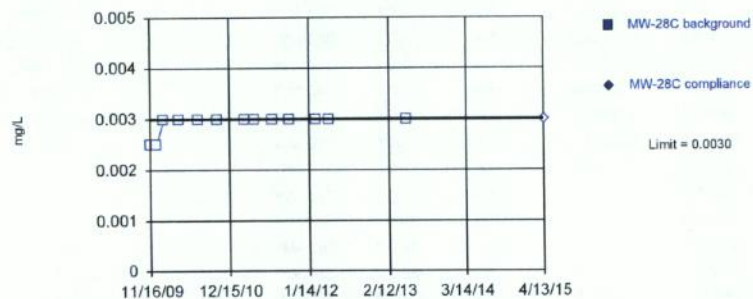


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 13 background values. 100% NDs. Well-constituent pair annual alpha = 0.009877. Individual comparison alpha = 0.009876 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated. Insufficient data to test for seasonality: data were not deseasonalized.

Constituent: Antimony Total Analysis Run 5/12/2015 4:01 PM
Green Valley Client: RSI Data: GREENVALLEY

Sanitas™ v.9.5.15 Sanitas software licensed to Jett Environmental Consulting, UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit Intrawell Non-parametric

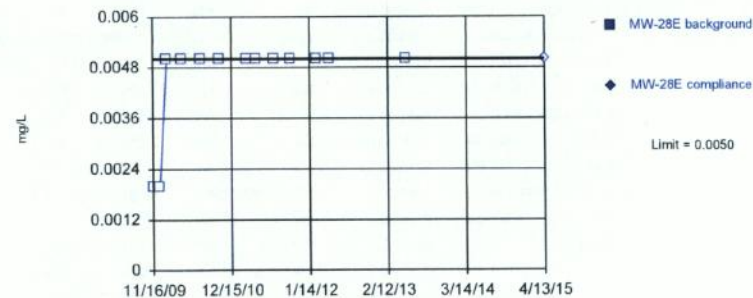


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 13 background values. 100% NDs. Well-constituent pair annual alpha = 0.009877. Individual comparison alpha = 0.009876 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated. Insufficient data to test for seasonality: data were not deseasonalized.

Constituent: Antimony Total Analysis Run 5/12/2015 4:01 PM
Green Valley Client: RSI Data: GREENVALLEY

Sanitas™ v.9.5.15 Sanitas software licensed to Jett Environmental Consulting, UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit Intrawell Non-parametric

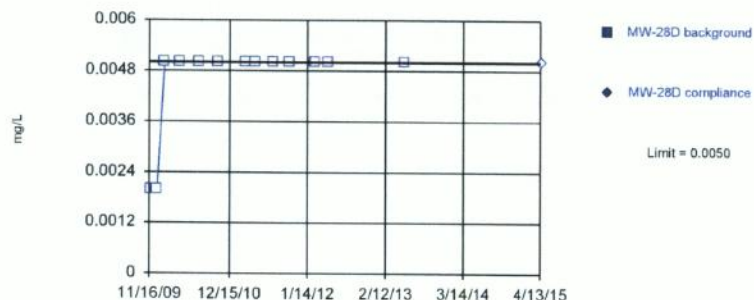


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 13 background values. 100% NDs. Well-constituent pair annual alpha = 0.009877. Individual comparison alpha = 0.009876 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated. Insufficient data to test for seasonality: data were not deseasonalized.

Constituent: Beryllium Total Analysis Run 5/12/2015 4:01 PM
Green Valley Client: RSI Data: GREENVALLEY

Within Limit

Prediction Limit Intrawell Non-parametric

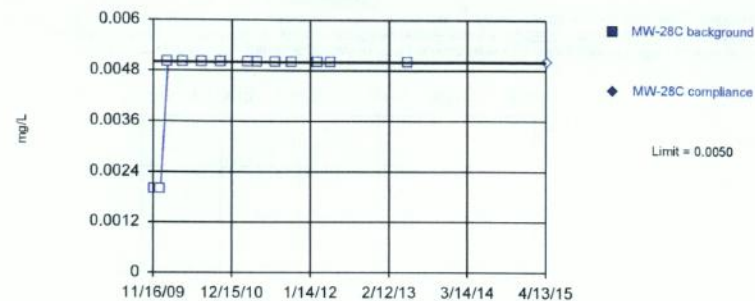


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 13 background values. 100% NDs. Well-constituent pair annual alpha = 0.009877. Individual comparison alpha = 0.009876 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated. Insufficient data to test for seasonality; data were not deseasonalized.

Constituent: Beryllium Total Analysis Run 5/12/2015 4:01 PM
Green Valley Client: RSI Data: GREENVALLEY

Within Limit

Prediction Limit Intrawell Non-parametric

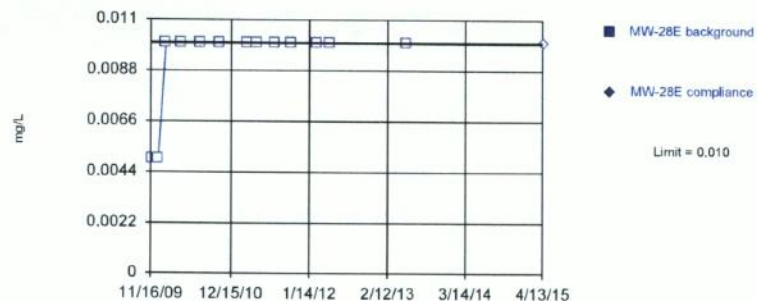


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 13 background values. 100% NDs. Well-constituent pair annual alpha = 0.009877. Individual comparison alpha = 0.009876 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated. Insufficient data to test for seasonality; data were not deseasonalized.

Constituent: Beryllium Total Analysis Run 5/12/2015 4:01 PM
Green Valley Client: RSI Data: GREENVALLEY

Within Limit

Prediction Limit Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 13 background values. 100% NDs. Well-constituent pair annual alpha = 0.009877. Individual comparison alpha = 0.009876 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated. Insufficient data to test for seasonality; data were not deseasonalized.

Constituent: Cobalt Total Analysis Run 5/12/2015 4:01 PM
Green Valley Client: RSI Data: GREENVALLEY

Within Limit

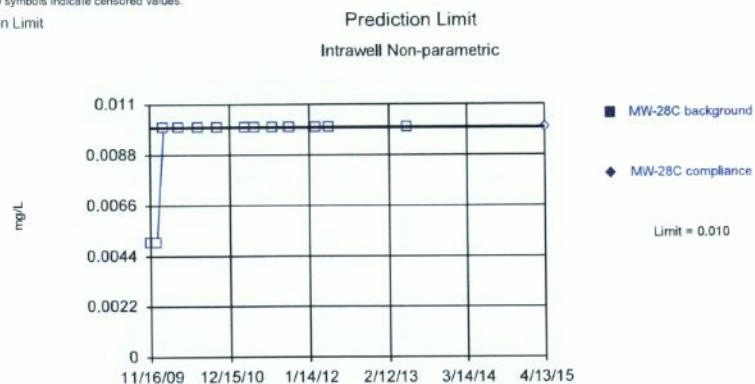
Prediction Limit Intrawell Parametric



Background Data Summary (based on square transformation) (after Kaplan-Meier Adjustment): Mean=0.001078, Std. Dev.=0.0006168, n=13, 15.38% NDs. Insufficient data to test for seasonality; data were not deseasonalized. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9608, critical = 0.866. Kappa = 1.869 (c=8, w=3, 1 of 2, event alpha = 0.1). Report alpha = 0.00438. EPA 1989 outlier screening was performed on the background data (to establish suspected outliers for Dixon's/Rosner's). No background outliers were found.

Constituent: Cobalt Total Analysis Run 5/12/2015 4:01 PM
Green Valley Client: RSI Data: GREENVALLEY

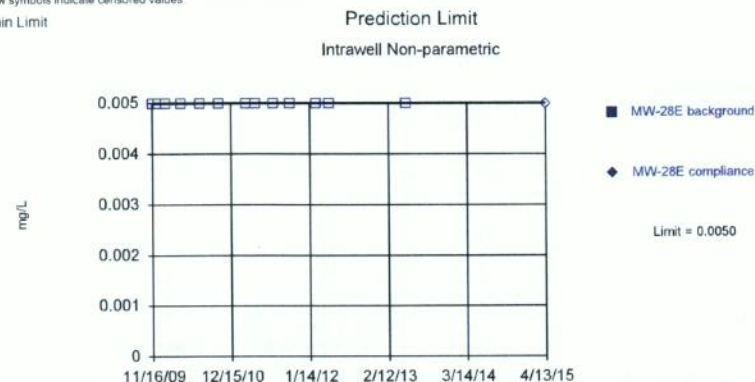
Sanitas™ v 9.5.15 Sanitas software licensed to Jett Environmental Consulting, UG
Hollow symbols indicate censored values.
Within Limit



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 13 background values. 100% NDs. Well-constituent pair annual alpha = 0.009877. Individual comparison alpha = 0.009876 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated. Insufficient data to test for seasonality: data were not deseasonalized.

Constituent: Cobalt Total Analysis Run 5/12/2015 4:01 PM
Green Valley Client: RSI Data: GREENVALLEY

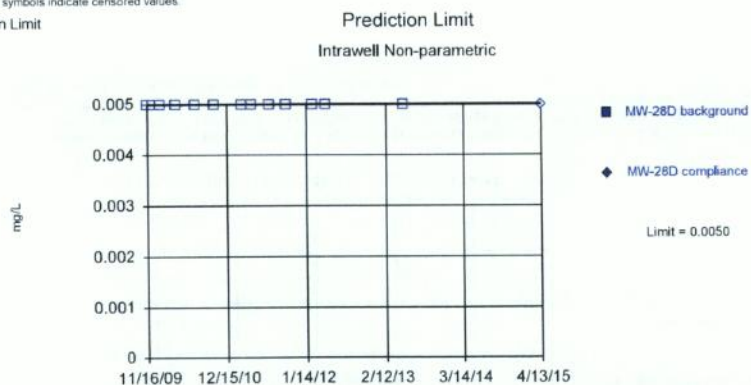
Sanitas™ v 9.5.15 Sanitas software licensed to Jett Environmental Consulting, UG
Hollow symbols indicate censored values.
Within Limit



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 13 background values. 100% NDs. Well-constituent pair annual alpha = 0.009877. Individual comparison alpha = 0.009876 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated. Insufficient data to test for seasonality: data were not deseasonalized.

Constituent: Copper Total Analysis Run 5/12/2015 4:01 PM
Green Valley Client: RSI Data: GREENVALLEY

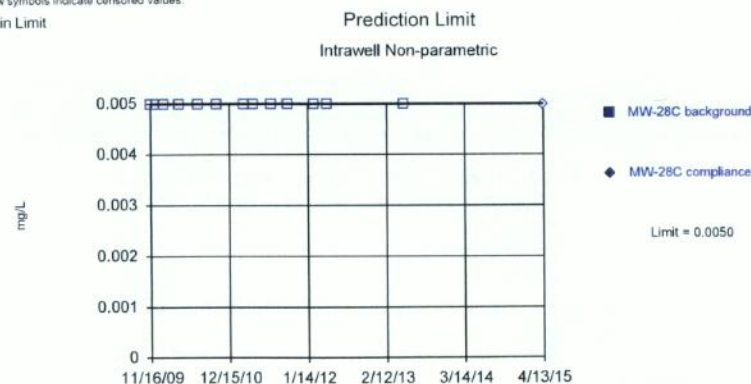
Sanitas™ v 9.5.15 Sanitas software licensed to Jett Environmental Consulting, UG
Hollow symbols indicate censored values.
Within Limit



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 13 background values. 100% NDs. Well-constituent pair annual alpha = 0.009877. Individual comparison alpha = 0.009876 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated. Insufficient data to test for seasonality: data were not deseasonalized.

Constituent: Copper Total Analysis Run 5/12/2015 4:01 PM
Green Valley Client: RSI Data: GREENVALLEY

Sanitas™ v 9.5.15 Sanitas software licensed to Jett Environmental Consulting, UG
Hollow symbols indicate censored values.
Within Limit

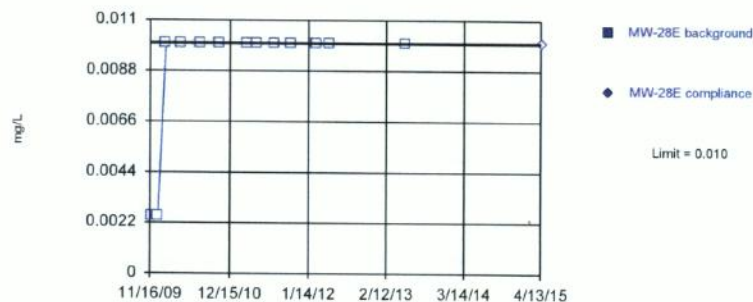


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 13 background values. 100% NDs. Well-constituent pair annual alpha = 0.009877. Individual comparison alpha = 0.009876 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated. Insufficient data to test for seasonality: data were not deseasonalized.

Constituent: Copper Total Analysis Run 5/12/2015 4:01 PM
Green Valley Client: RSI Data: GREENVALLEY

Within Limit

Prediction Limit Intrawell Non-parametric

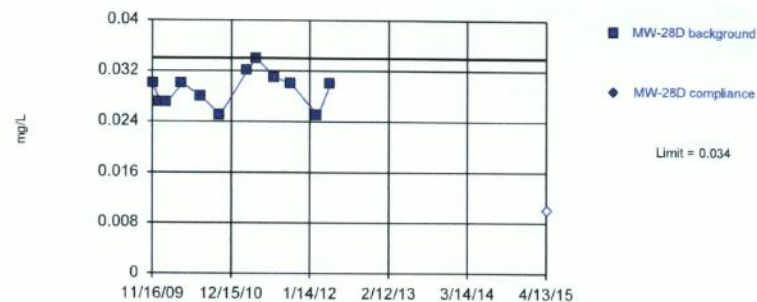


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 13 background values. 100% NDs. Well-constituent pair annual alpha = 0.009877. Individual comparison alpha = 0.009876 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated. Insufficient data to test for seasonality; data were not deseasonalized.

Constituent: Nickel Total Analysis Run 5/12/2015 4:01 PM
Green Valley Client: RSI Data: GREENVALLEY

Within Limit

Prediction Limit Intrawell Parametric

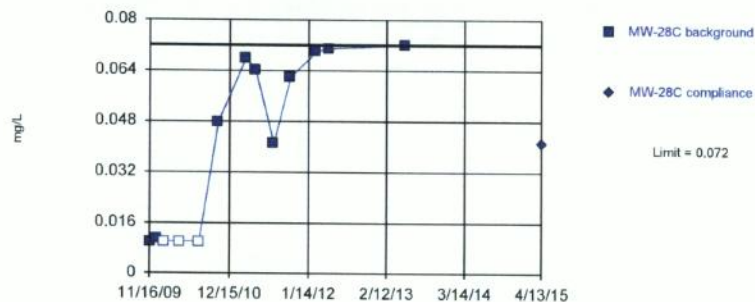


Background Data Summary (based on square transformation): Mean=0.0008528, Std. Dev.=0.0001598, n=12. Insufficient data to test for seasonality; data were not deseasonalized. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9462, critical = 0.859. Kappa = 1.898 (c=8, w=3, 1 of 2, event alpha = 0.1). Report alpha = 0.00438. Dixon's outlier test was performed on the background data. One background outlier was removed: <0.02 (5/15/2013).

Constituent: Nickel Total Analysis Run 5/12/2015 4:01 PM
Green Valley Client: RSI Data: GREENVALLEY

Within Limit

Prediction Limit Intrawell Non-parametric

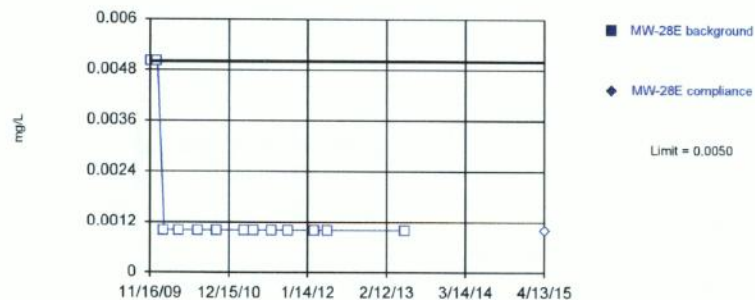


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.05 alpha level. Limit is highest of 13 background values. 23.08% NDs. Well-constituent pair annual alpha = 0.009877. Individual comparison alpha = 0.009876 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated. Insufficient data to test for seasonality; data were not deseasonalized.

Constituent: Nickel Total Analysis Run 5/12/2015 4:01 PM
Green Valley Client: RSI Data: GREENVALLEY

Within Limit

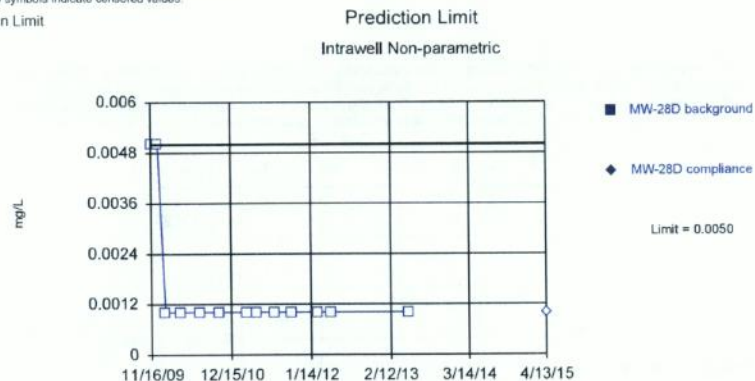
Prediction Limit Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 13 background values. 100% NDs. Well-constituent pair annual alpha = 0.009877. Individual comparison alpha = 0.009876 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated. Insufficient data to test for seasonality; data were not deseasonalized.

Constituent: Thallium Total Analysis Run 5/12/2015 4:01 PM
Green Valley Client: RSI Data: GREENVALLEY

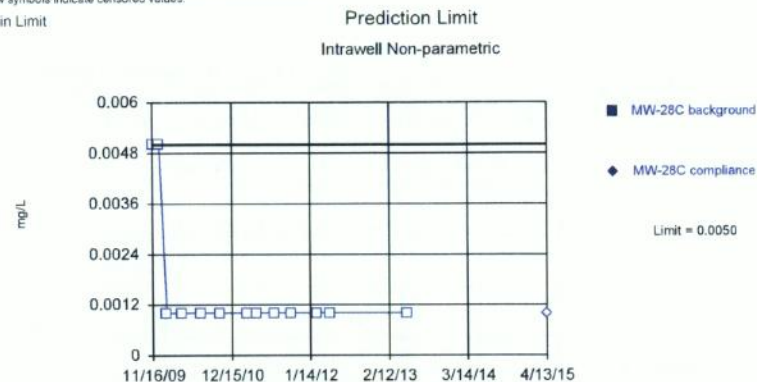
Sanitas™ v 9.5.15 Sanitas software licensed to Jett Environmental Consulting, UG
Hollow symbols indicate censored values.
Within Limit



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 13 background values. 100% NDs. Well-constituent pair annual alpha = 0.009877. Individual comparison alpha = 0.009876 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated. Insufficient data to test for seasonality; data were not deseasonalized.

Constituent: Thallium Total Analysis Run 5/12/2015 4:01 PM
Green Valley Client: RSI Data: GREENVALLEY

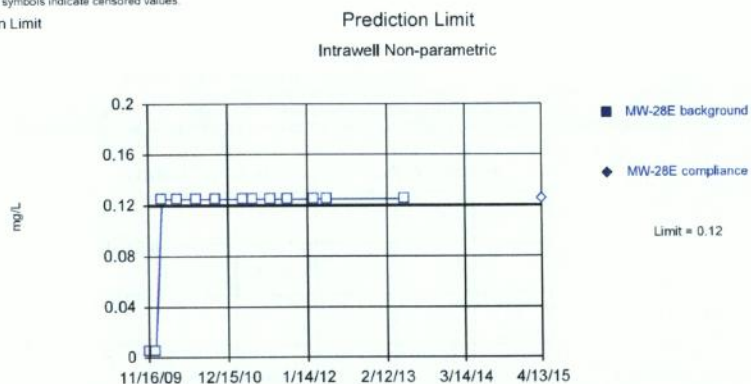
Sanitas™ v 9.5.15 Sanitas software licensed to Jett Environmental Consulting, UG
Hollow symbols indicate censored values.
Within Limit



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 13 background values. 100% NDs. Well-constituent pair annual alpha = 0.009877. Individual comparison alpha = 0.009876 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated. Insufficient data to test for seasonality; data were not deseasonalized.

Constituent: Thallium Total Analysis Run 5/12/2015 4:01 PM
Green Valley Client: RSI Data: GREENVALLEY

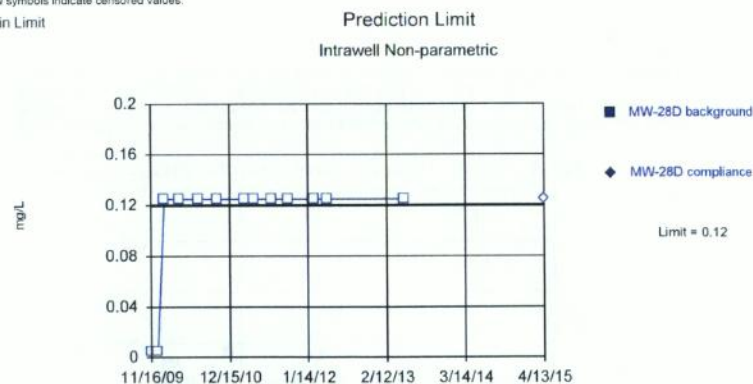
Sanitas™ v 9.5.15 Sanitas software licensed to Jett Environmental Consulting, UG
Hollow symbols indicate censored values.
Within Limit



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 13 background values. 100% NDs. Well-constituent pair annual alpha = 0.009877. Individual comparison alpha = 0.009876 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated. Insufficient data to test for seasonality; data were not deseasonalized.

Constituent: Vanadium Total Analysis Run 5/12/2015 4:01 PM
Green Valley Client: RSI Data: GREENVALLEY

Sanitas™ v 9.5.15 Sanitas software licensed to Jett Environmental Consulting, UG
Hollow symbols indicate censored values.
Within Limit



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 13 background values. 100% NDs. Well-constituent pair annual alpha = 0.009877. Individual comparison alpha = 0.009876 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated. Insufficient data to test for seasonality; data were not deseasonalized.

Constituent: Vanadium Total Analysis Run 5/12/2015 4:01 PM
Green Valley Client: RSI Data: GREENVALLEY

Within Limit

Prediction Limit Intrawell Non-parametric

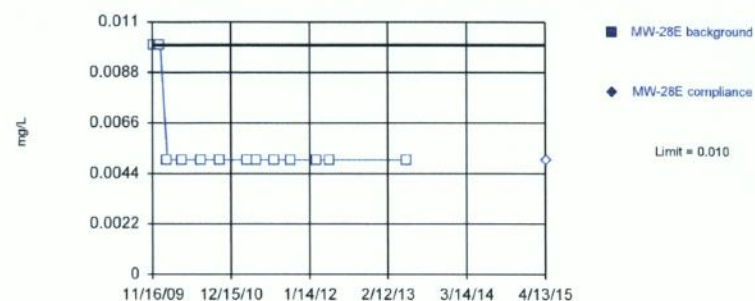


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 13 background values. 100% NDs. Well-constituent pair annual alpha = 0.009877. Individual comparison alpha = 0.009876 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated. Insufficient data to test for seasonality; data were not deseasonalized.

Constituent: Vanadium Total Analysis Run 5/12/2015 4:01 PM
Green Valley Client: RSI Data: GREENVALLEY

Within Limit

Prediction Limit Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 13 background values. 100% NDs. Well-constituent pair annual alpha = 0.009877. Individual comparison alpha = 0.009876 (1 of 2). After outlier removal distribution was non-normal, so outlier results were invalidated. Insufficient data to test for seasonality; data were not deseasonalized.

Constituent: Zinc Total Analysis Run 5/12/2015 4:01 PM
Green Valley Client: RSI Data: GREENVALLEY

Within Limit

Prediction Limit Intrawell Parametric



Background Data Summary: Mean=0.02738, Std. Dev.=0.00703, n=13. Insufficient data to test for seasonality; data were not deseasonalized. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9382, critical = 0.866. Kappa = 1.869 (c=8, w=3, 1 of 2, event alpha = 0.1). Report alpha = 0.00438. EPA 1989 outlier screening was performed on the background data (to establish suspected outliers for Dixon's/Rosner's). No background outliers were found.

Constituent: Zinc Total Analysis Run 5/12/2015 4:01 PM
Green Valley Client: RSI Data: GREENVALLEY

Within Limit

Prediction Limit Intrawell Parametric

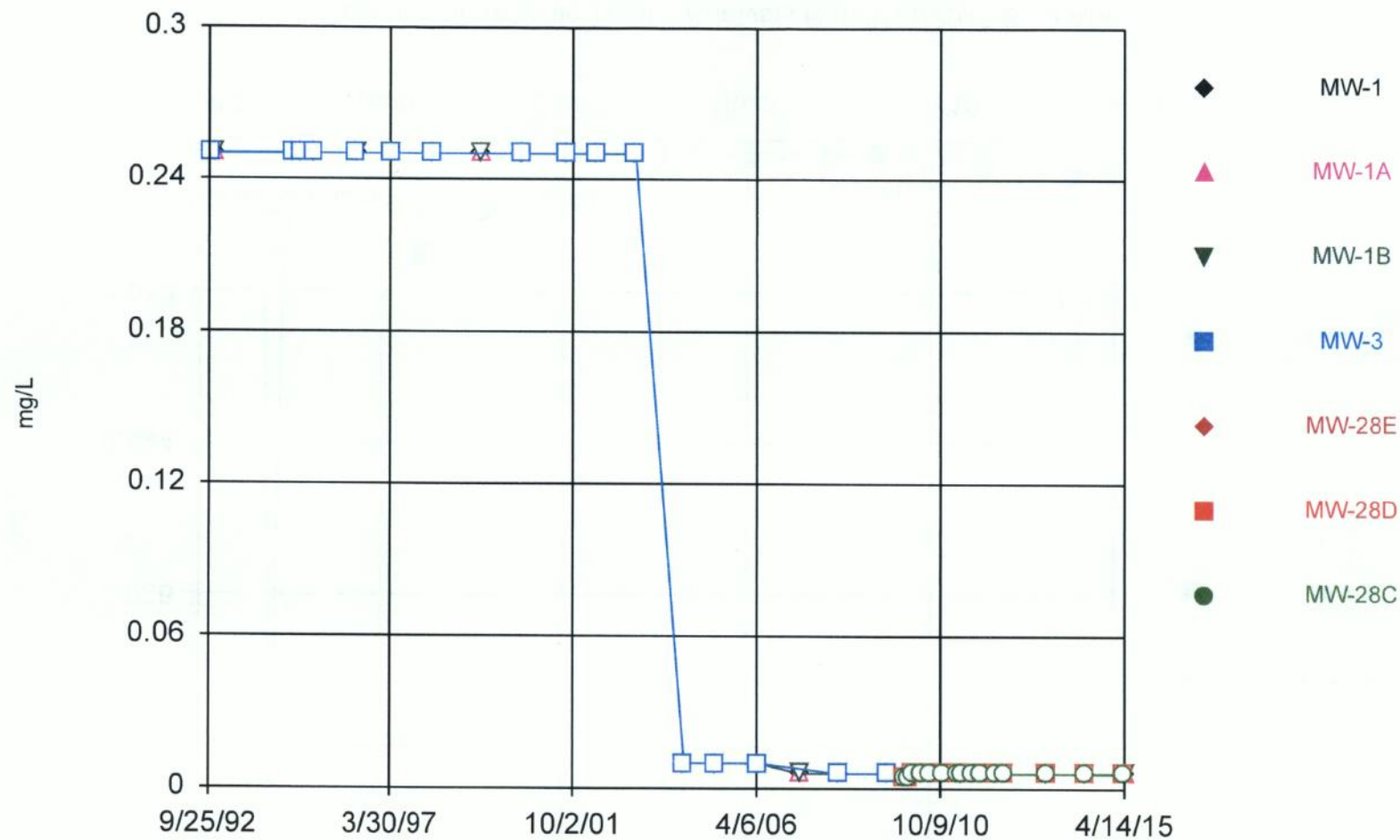


Background Data Summary (based on square root transformation) (after Kaplan-Meier Adjustment): Mean=0.1756, Std. Dev.=0.05928, n=13, 23.08% NDs. Insufficient data to test for seasonality; data were not deseasonalized. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9113, critical = 0.866. Kappa = 1.869 (c=8, w=3, 1 of 2, event alpha = 0.1). Report alpha = 0.00438. EPA 1989 outlier screening was performed on the background data (to establish suspected outliers for Dixon's/Rosner's). No background outliers were found.

Constituent: Zinc Total Analysis Run 5/12/2015 4:01 PM
Green Valley Client: RSI Data: GREENVALLEY

TIME SERIES PLOTS & DATA

Time Series



Constituent: Antimony Total Analysis Run 5/12/2015 4:03 PM
Green Valley Client: RSI Data: GREENVALLEY



1592
20 BWST
Cmn 15-01

June 5, 2015

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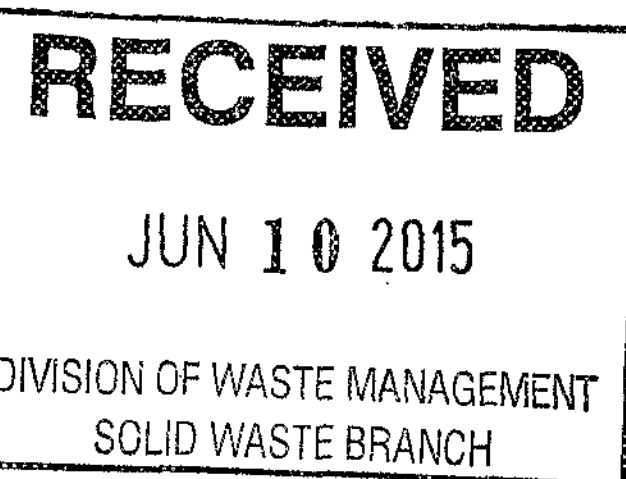
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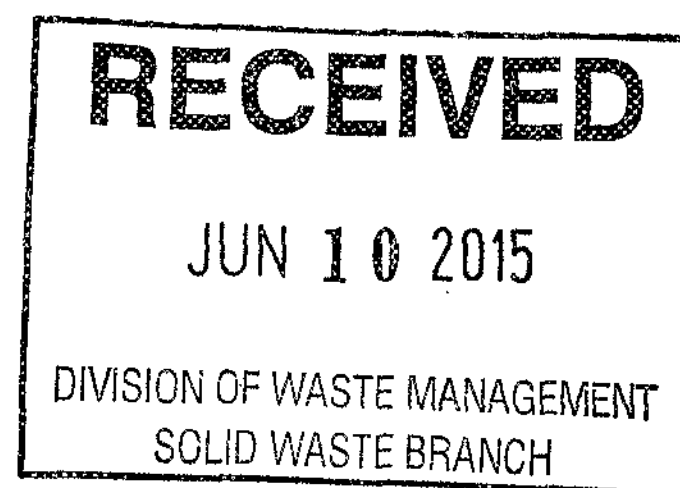
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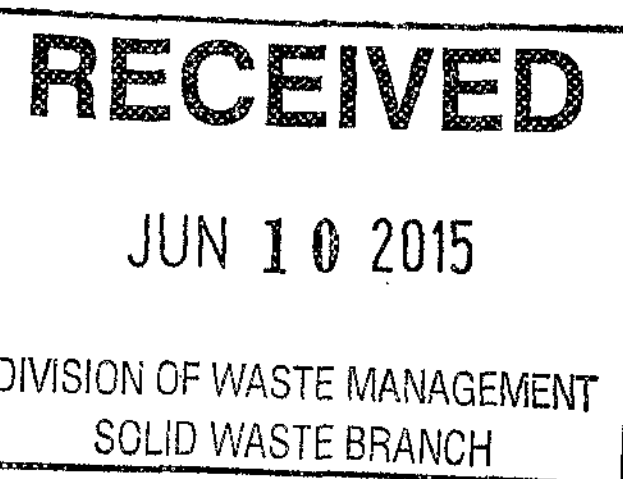
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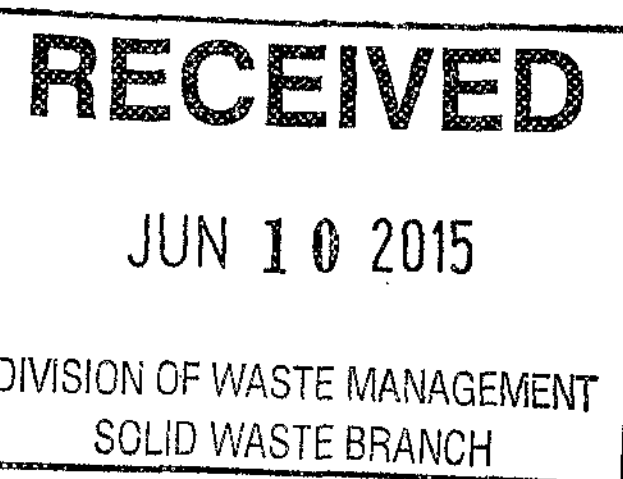
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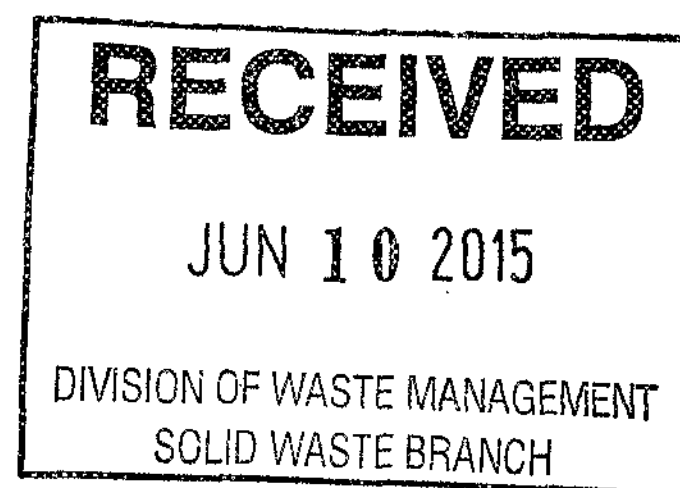
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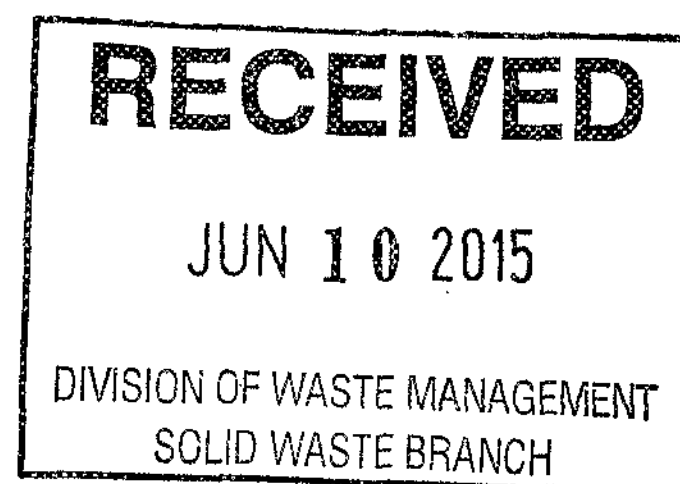
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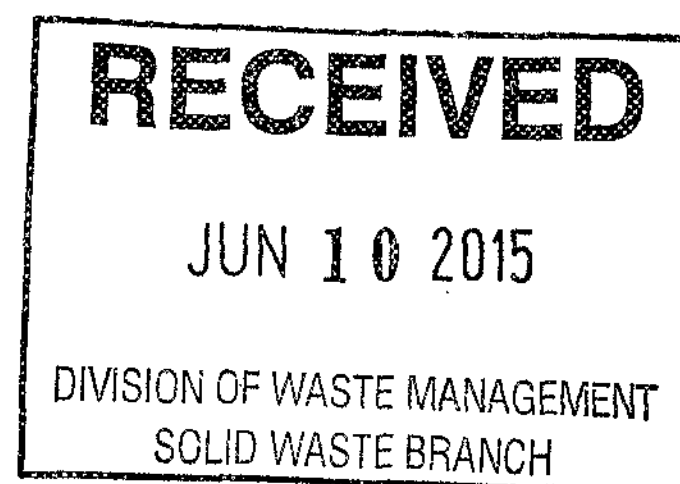
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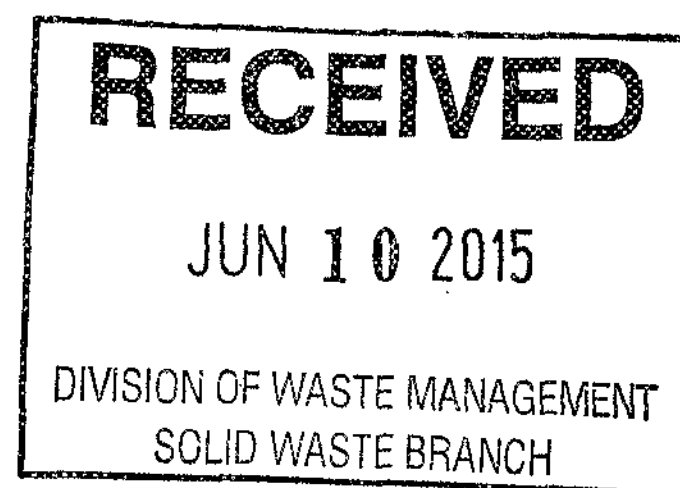
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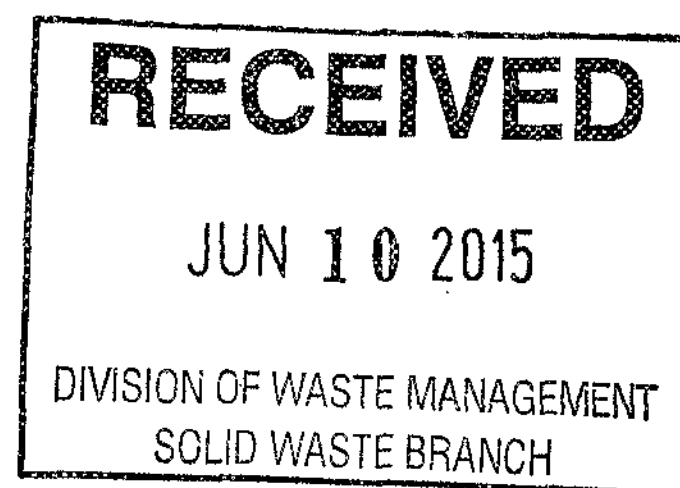
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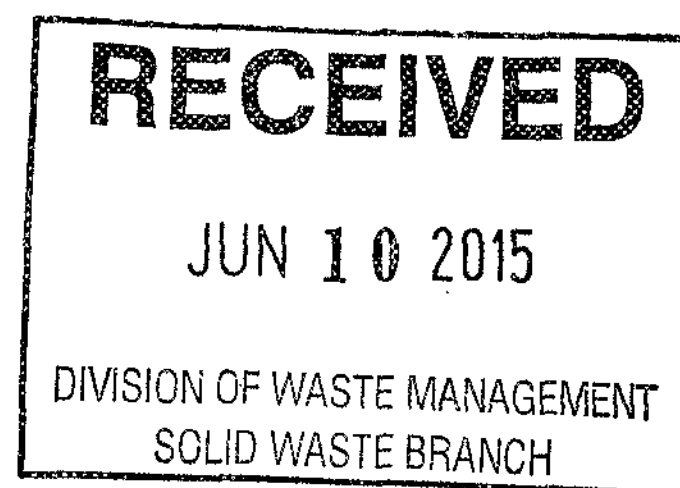
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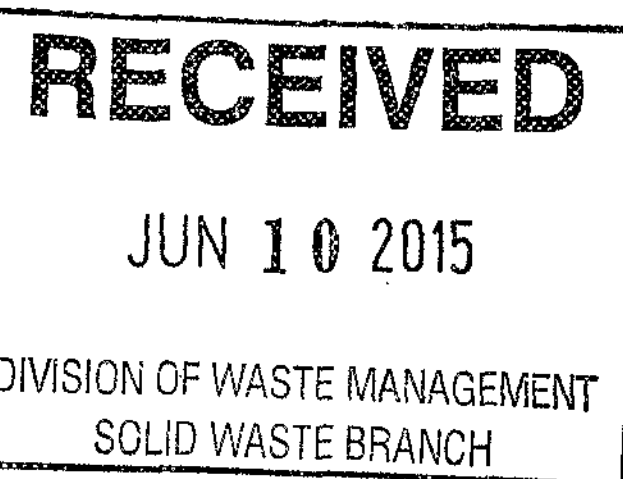
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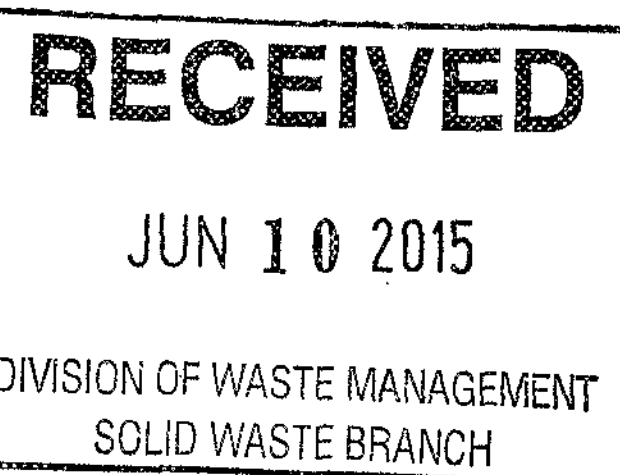
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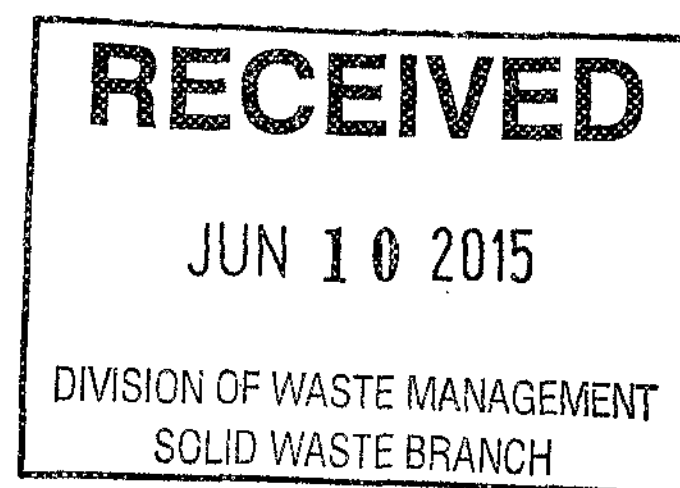
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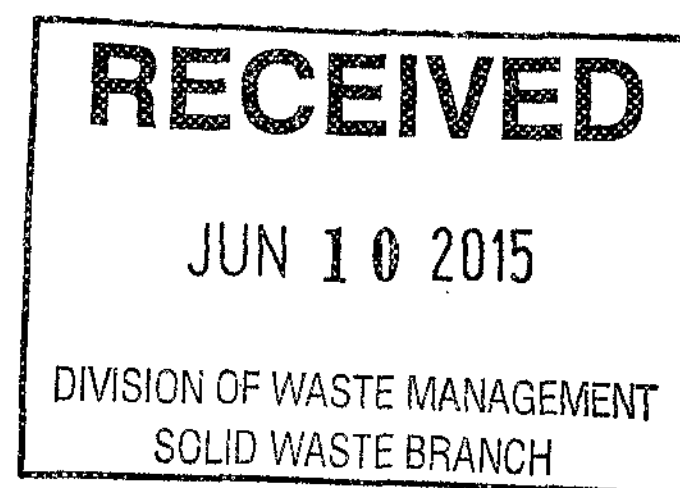
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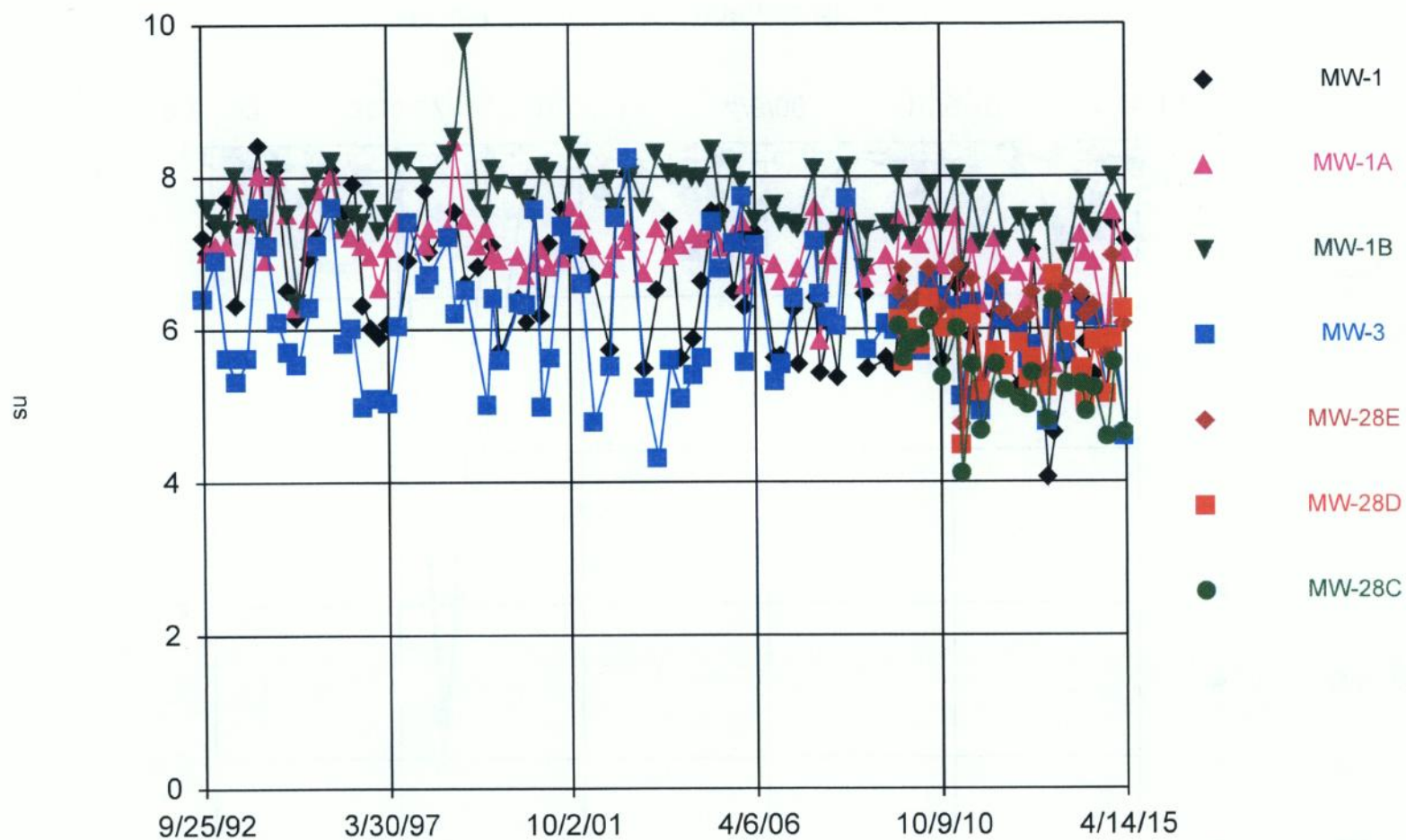
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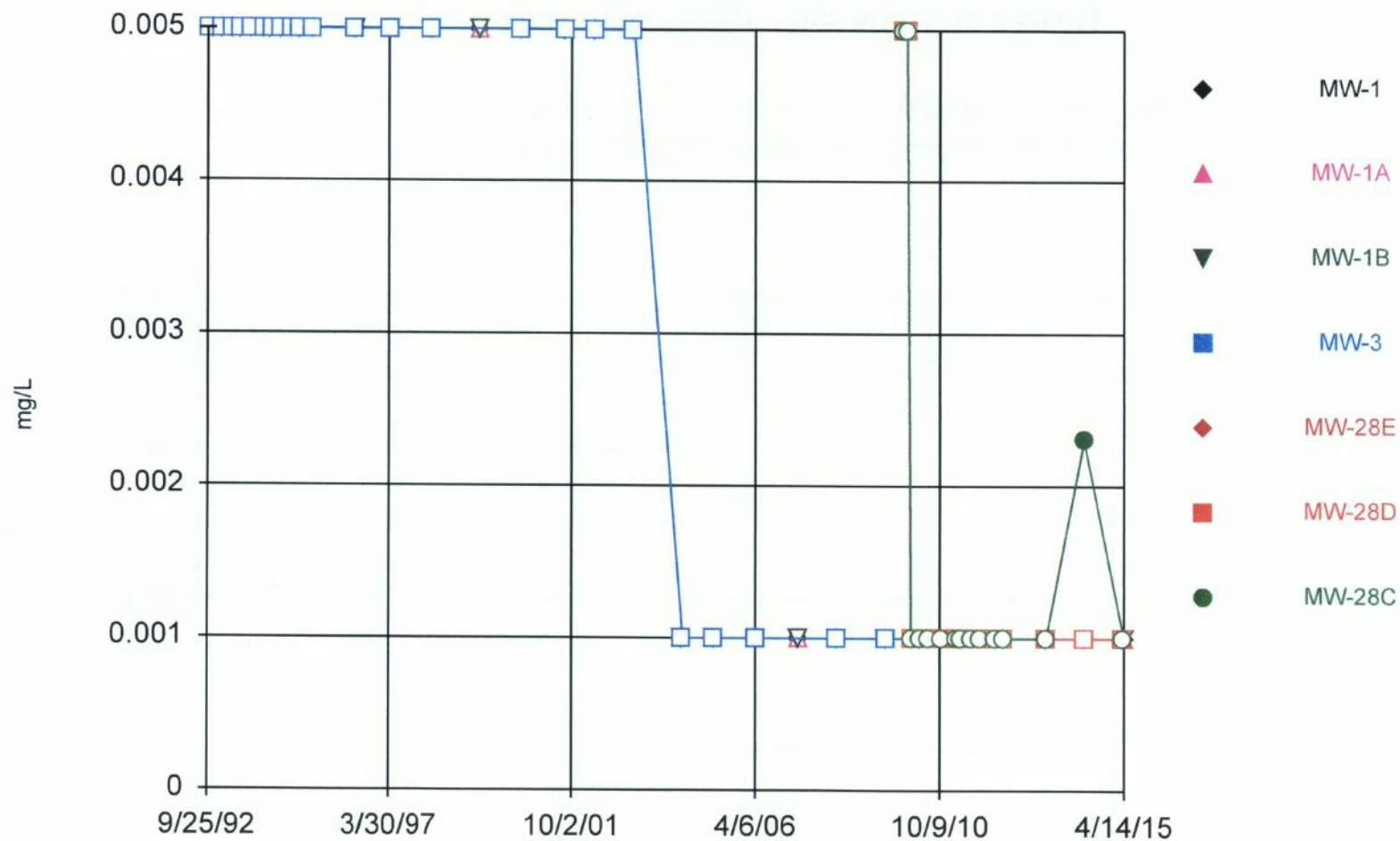
Time Series



Constituent: pH [Field] Analysis Run 5/11/2015 8:59 AM

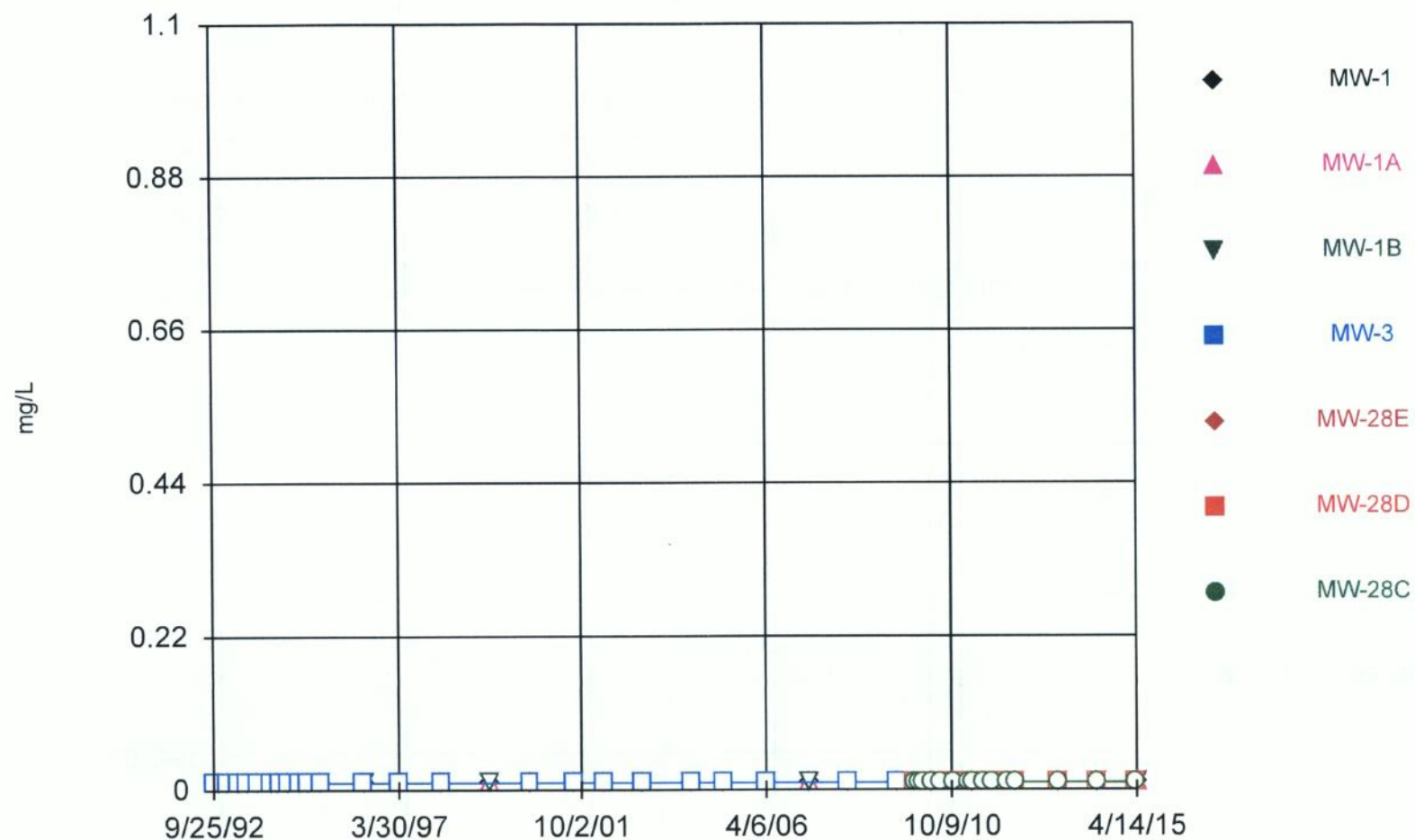
Green Valley Client: RSI Data: GREENVALLEY

Time Series



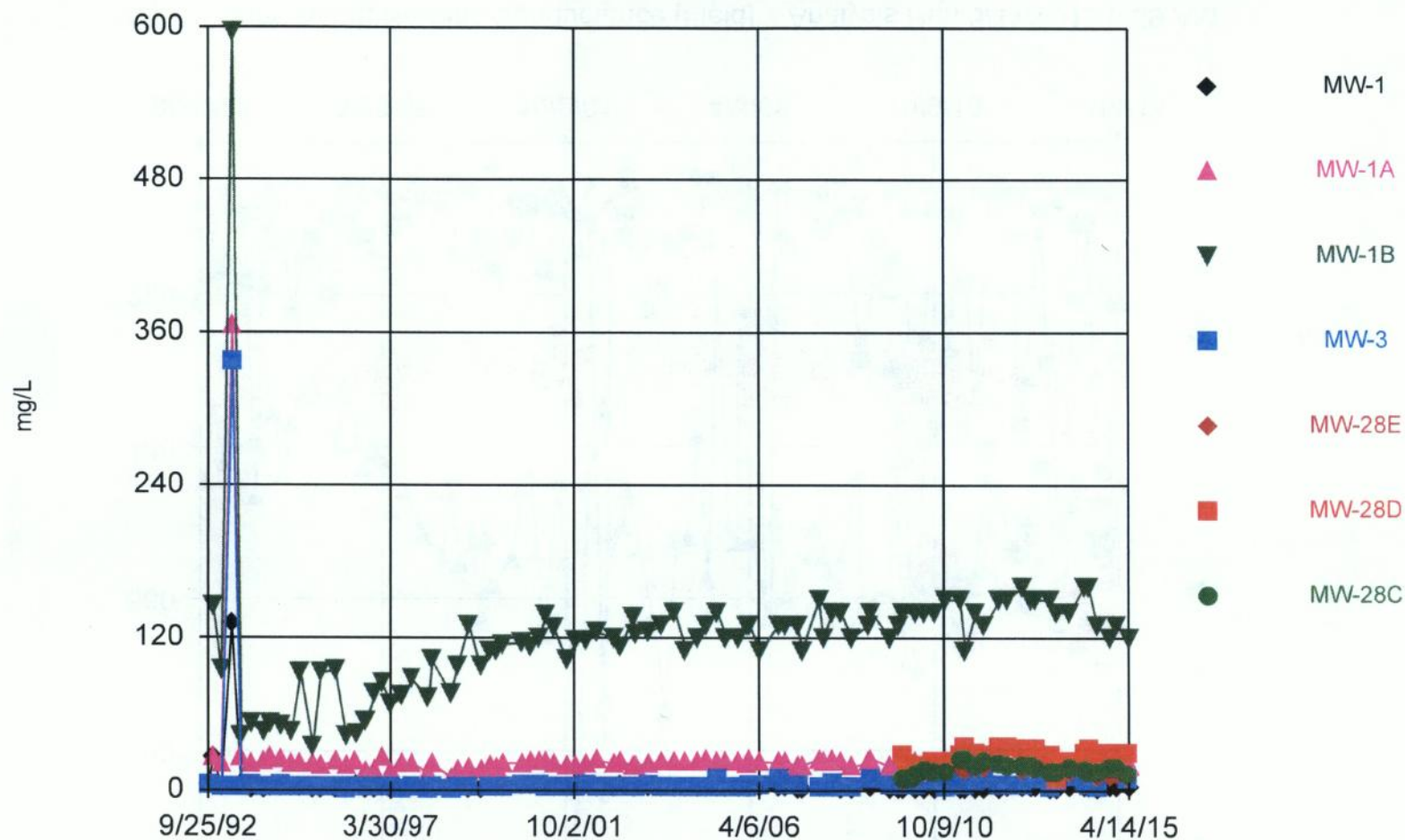
Constituent: Selenium Total Analysis Run 5/11/2015 8:59 AM
Green Valley Client: RSI Data: GREENVALLEY

Time Series



Constituent: Silver Total Analysis Run 5/11/2015 8:59 AM
Green Valley Client: RSI Data: GREENVALLEY

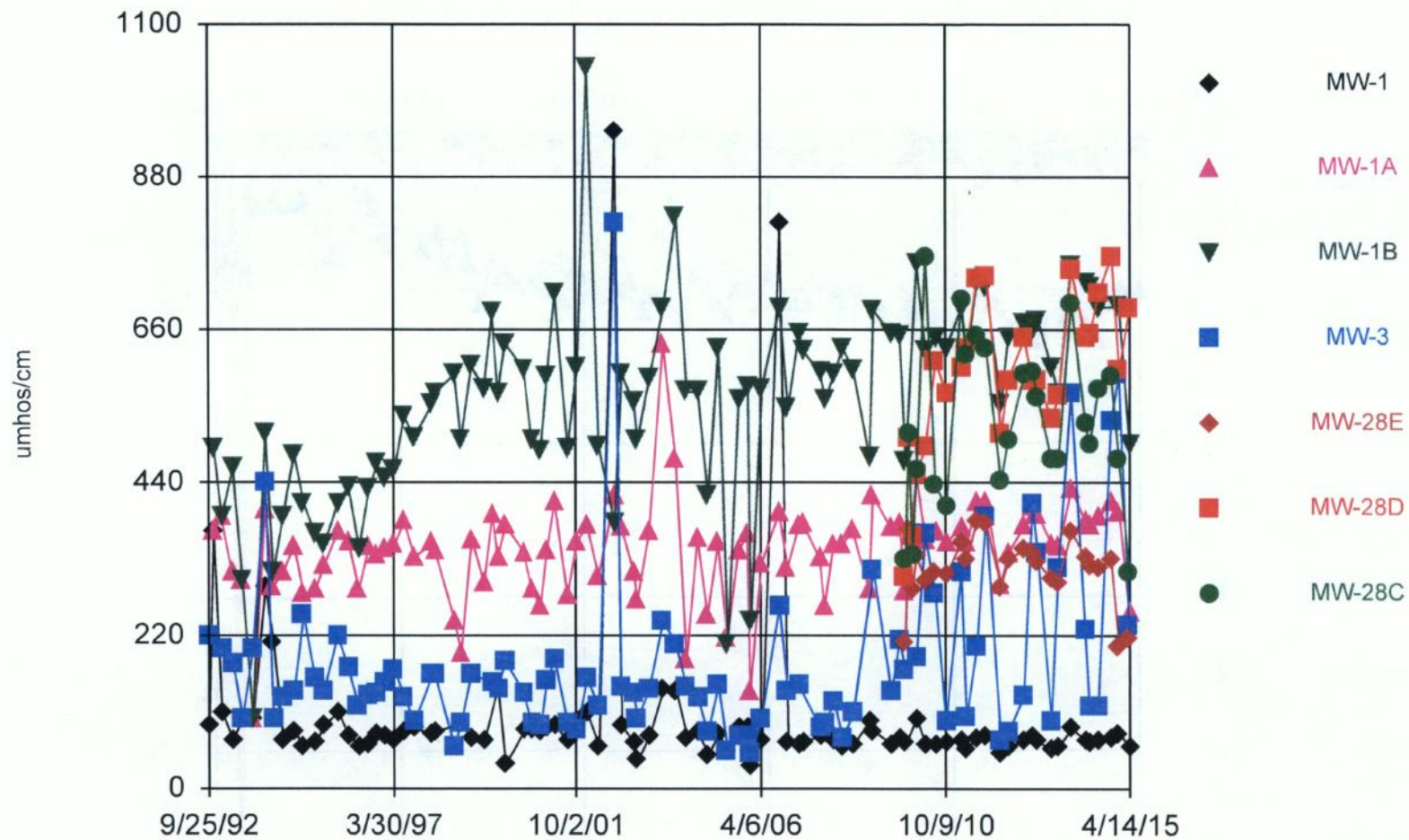
Time Series



Constituent: Sodium Total Analysis Run 5/11/2015 8:59 AM

Green Valley Client: RSI Data: GREENVALLEY

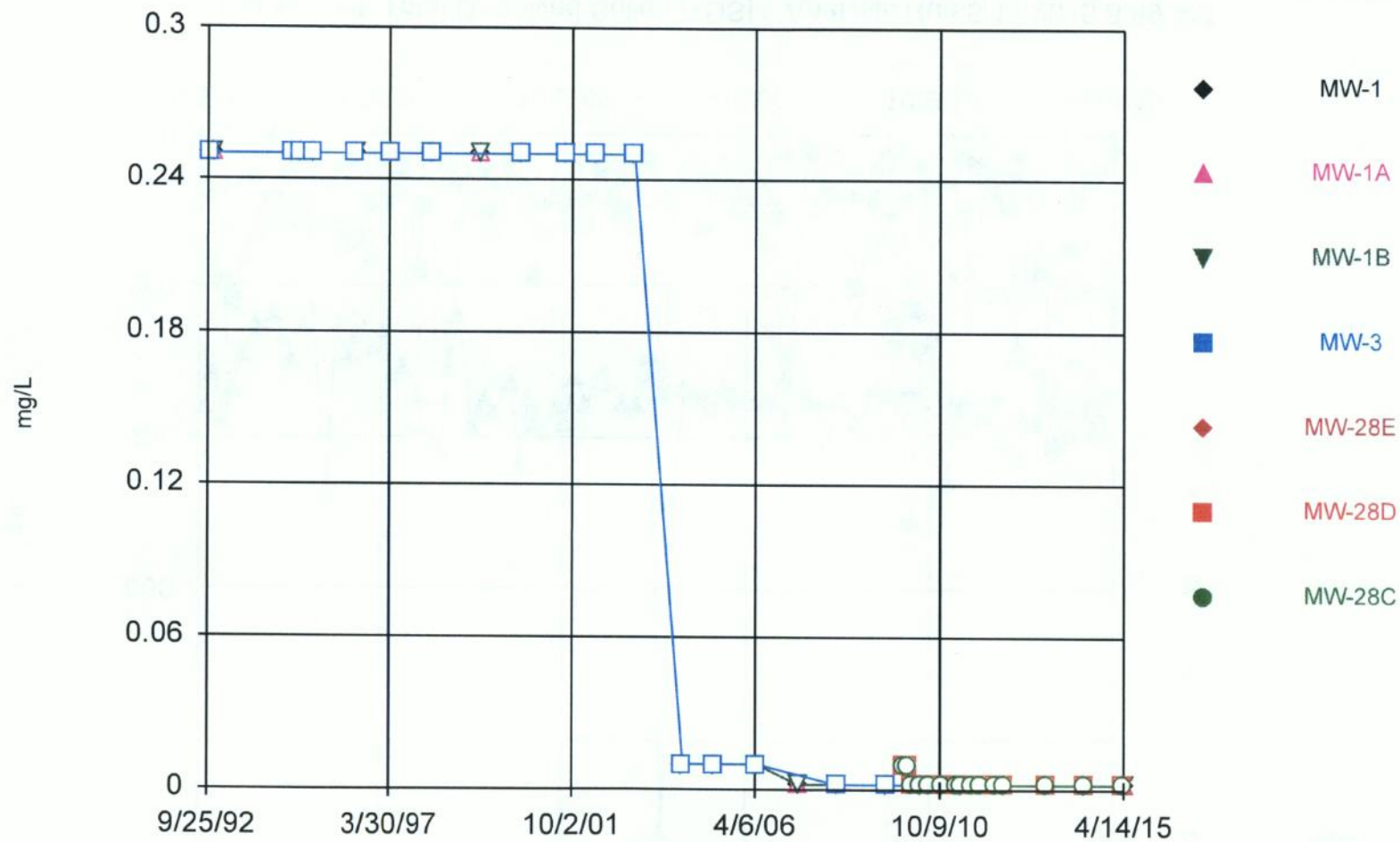
Time Series



Constituent: Specific Conductance [Field] Analysis Run 5/11/2015 8:59 AM

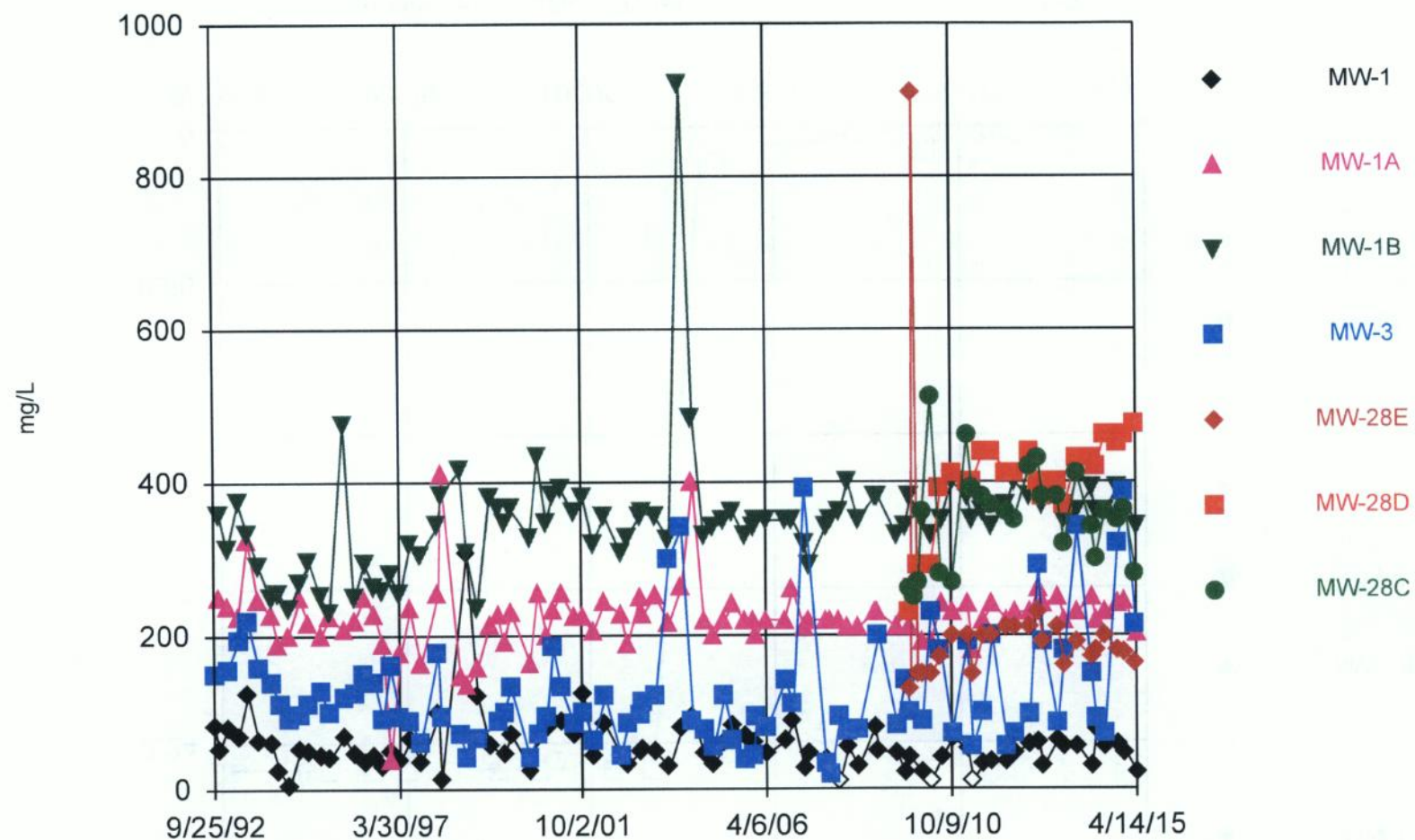
Green Valley Client: RSI Data: GREENVALLEY

Time Series



Constituent: Thallium Total Analysis Run 5/12/2015 4:03 PM
Green Valley Client: RSI Data: GREENVALLEY

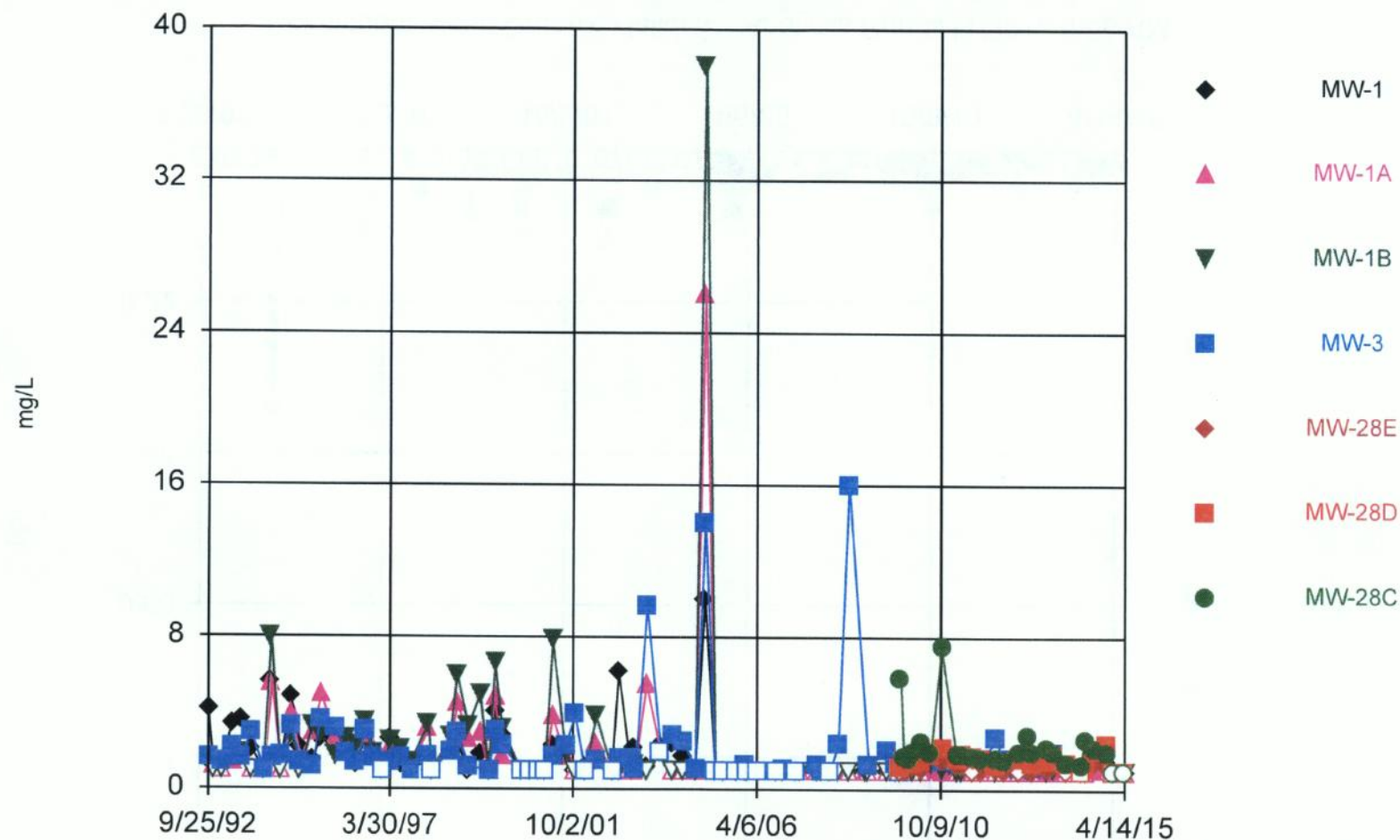
Time Series



Constituent: Total Dissolved Solids [TDS] Analysis Run 5/11/2015 8:59 AM

Green Valley Client: RSI Data: GREENVALLEY

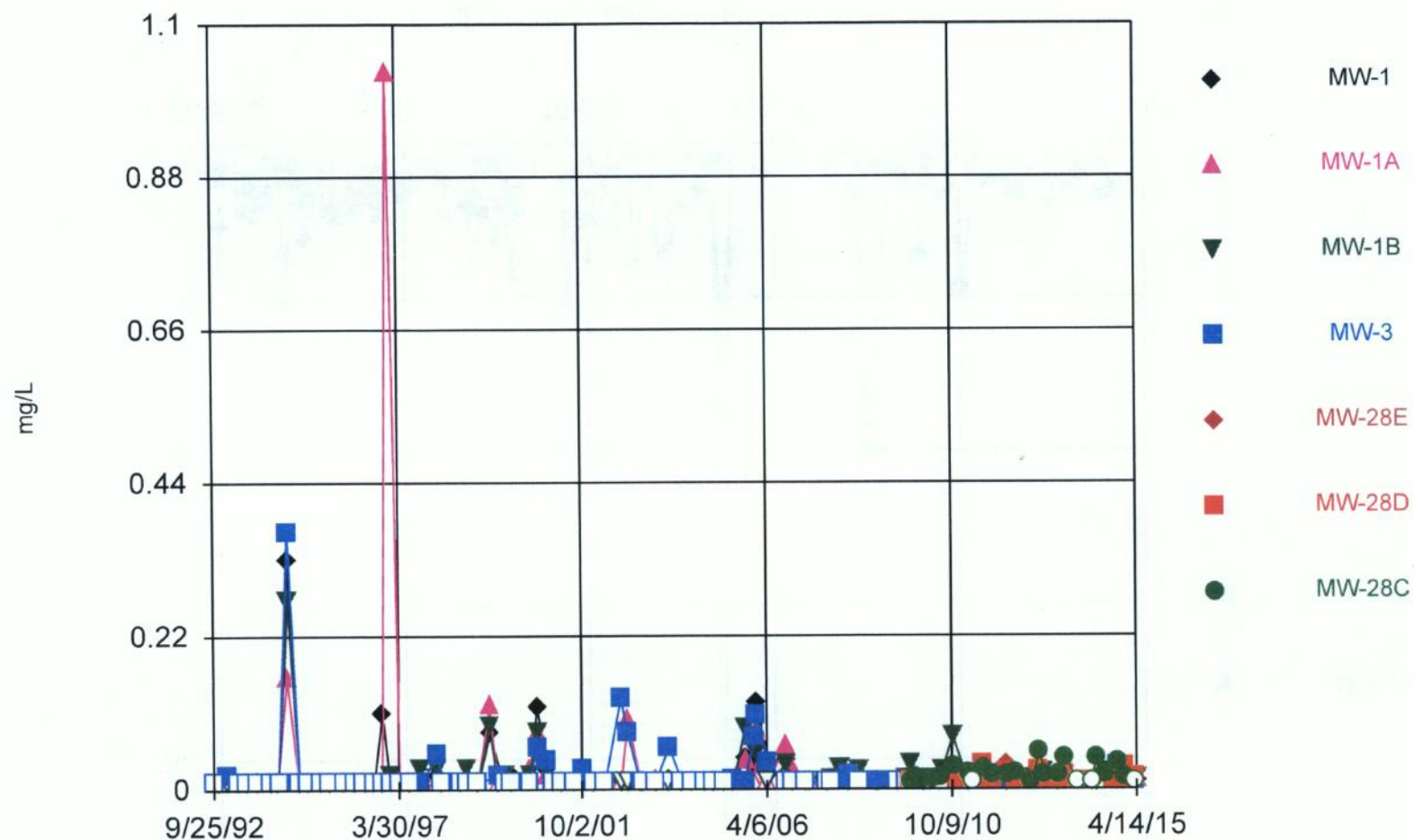
Time Series



Constituent: Total Organic Carbon [TOC] Analysis Run 5/11/2015 8:59 AM

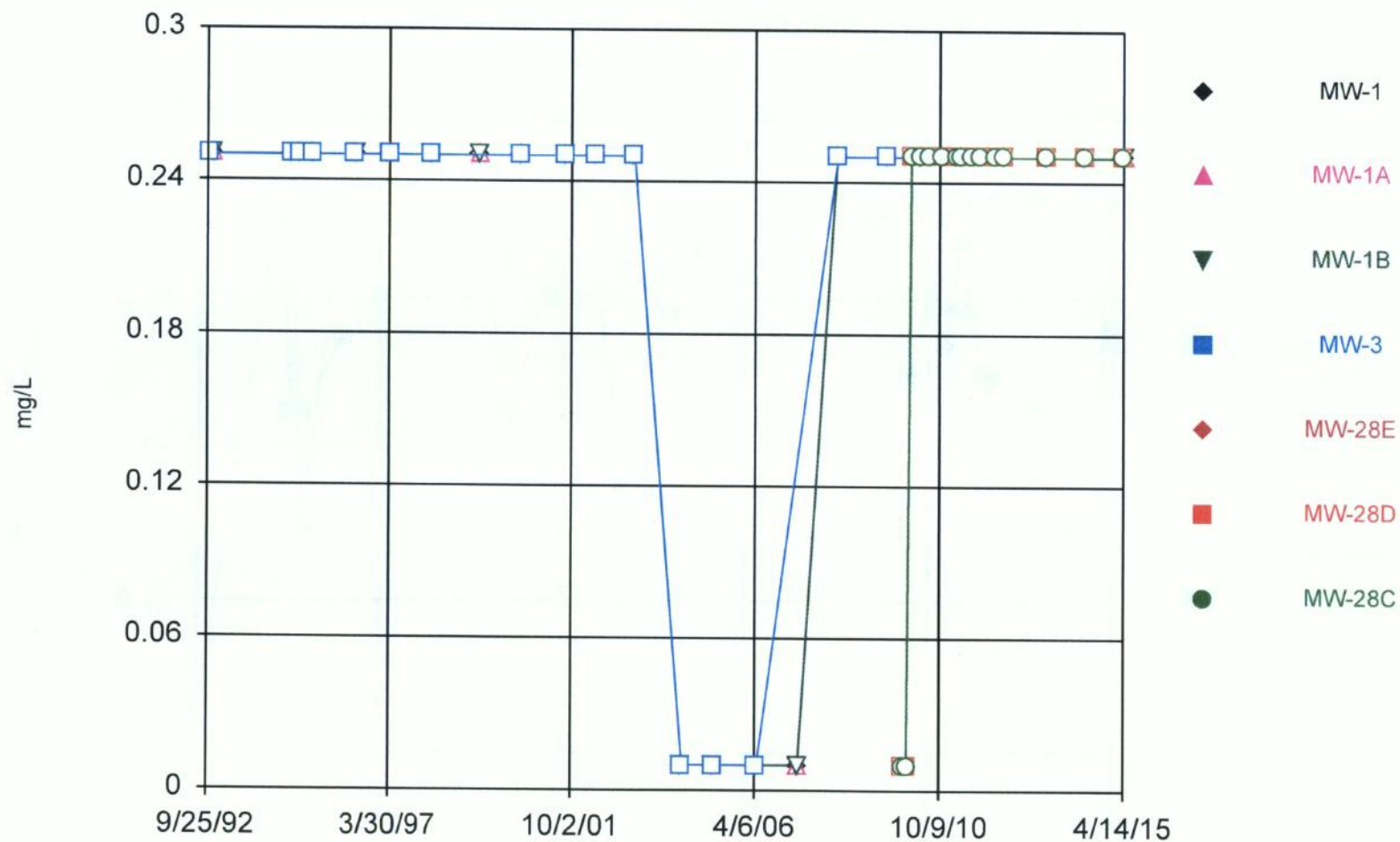
Green Valley Client: RSI Data: GREENVALLEY

Time Series



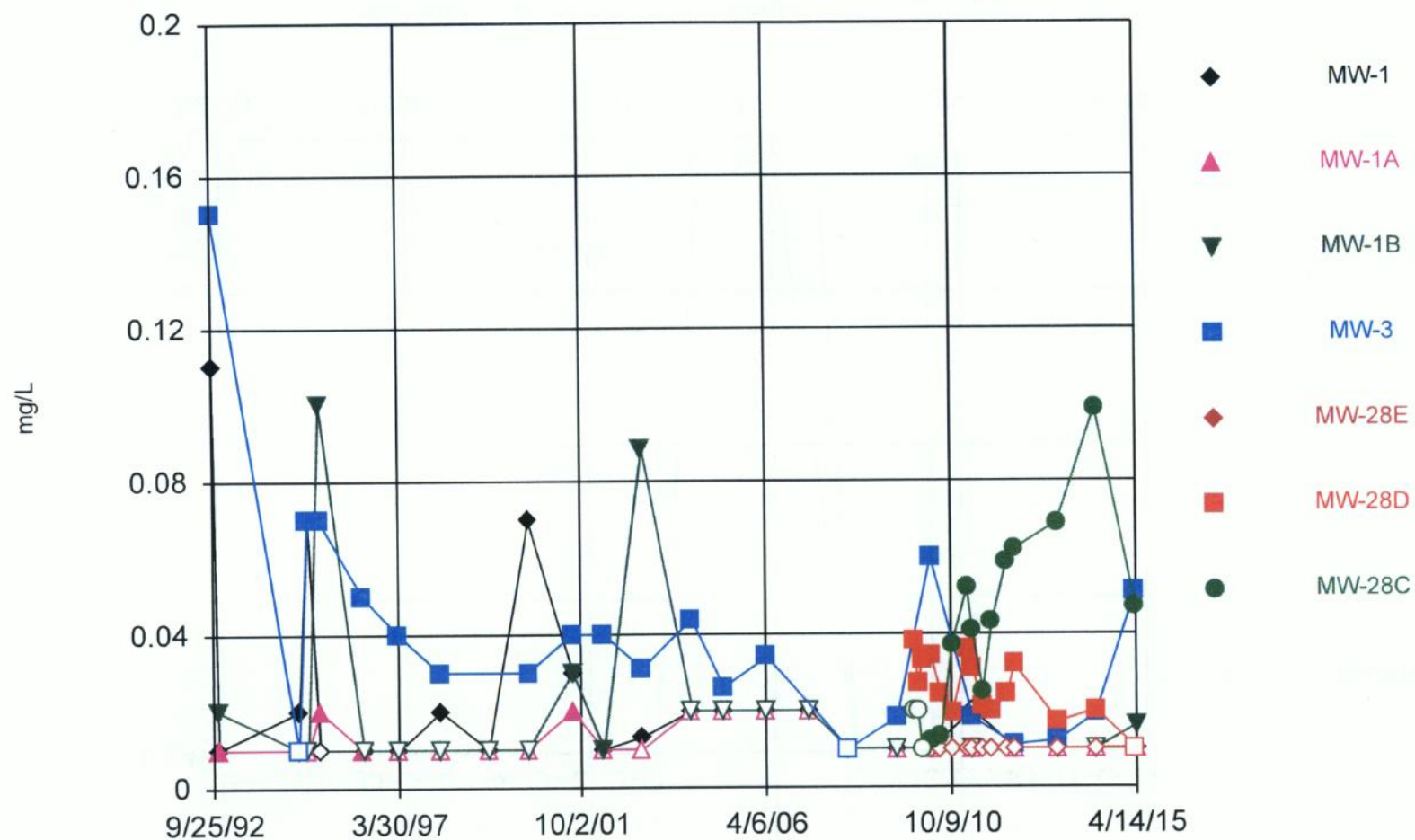
Constituent: Total Organic Halides Analysis Run 5/11/2015 8:59 AM
Green Valley Client: RSI Data: GREENVALLEY

Time Series



Constituent: Vanadium Total Analysis Run 5/11/2015 8:59 AM
Green Valley Client: RSI Data: GREENVALLEY

Time Series



Constituent: Zinc Total Analysis Run 5/11/2015 8:59 AM
Green Valley Client: RSI Data: GREENVALLEY

Time Series

Constituent: Antimony Total (mg/L) Analysis Run 5/12/2015 4:03 PM

Green Valley Client: RSI Data: GREENVALLEY

	MW-1	MW-1A	MW-1B	MW-3	MW-28E	MW-28D	MW-28C
9/25/1992	<0.25			<0.25			
11/9/1992	<0.25	<0.25	<0.25				
10/18/1994				<0.25			
10/19/1994	<0.25	<0.25	<0.25				
1/11/1995	<0.25	<0.25	<0.25	<0.25			
4/25/1995				<0.25			
4/26/1995	<0.25	<0.25	<0.25				
5/21/1996		<0.25		<0.25			
5/22/1996			<0.25				
6/5/1996	<0.25						
4/8/1997	<0.25	<0.25	<0.25	<0.25			
4/14/1998	<0.25	<0.25	<0.25	<0.25			
6/22/1999	<0.25	<0.25	<0.25				
6/19/2000				<0.25			
6/20/2000	<0.25	<0.25	<0.25				
7/26/2001	<0.25	<0.25	<0.25	<0.25			
4/29/2002	<0.25	<0.25	<0.25				
4/30/2002				<0.25			
4/10/2003	<0.25	<0.25	<0.25	<0.25			
6/23/2004	<0.01	<0.01	<0.01	<0.01			
3/30/2005	<0.01	<0.01	<0.01	<0.01			
4/19/2006	<0.01	<0.01	<0.01	<0.01			
4/23/2007	<0.006	<0.006	<0.006				
4/7/2008	<0.006	<0.006	<0.006				
4/8/2008				<0.006			
6/15/2009	<0.006	<0.006	<0.006	<0.006			
11/16/2009					<0.005	<0.005	<0.005
12/21/2009					<0.005	<0.005	<0.005
1/25/2010					<0.006	<0.006	<0.006
4/13/2010	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006
7/14/2010					<0.006	<0.006	<0.006
10/19/2010					<0.006	<0.006	<0.006
3/3/2011					<0.006	<0.006	<0.006
4/19/2011	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006
7/20/2011					<0.006	<0.006	<0.006
10/11/2011					<0.006	<0.006	<0.006
2/20/2012					<0.006	<0.006	<0.006
4/23/2012	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006
5/15/2013	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006
4/21/2014	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006
4/13/2015				<0.006	<0.006	<0.006	<0.006
4/14/2015	<0.006	<0.006	<0.006				

Time Series

Constituent: Arsenic Total (mg/L) Analysis Run 5/11/2015 9:02 AM
Green Valley Client: RSI Data: GREENVALLEY

	MW-1	MW-1A	MW-1B	MW-3	MW-28E	MW-28D	MW-28C
9/25/1992	<0.005			<0.005			
11/9/1992	<0.005	<0.005	<0.005				
1/18/1993		<0.005		<0.005			
1/19/1993	<0.005		<0.005				
4/26/1993	<0.005	<0.005	<0.005	<0.005			
7/19/1993	<0.005	<0.005	<0.005				
7/20/1993				<0.005			
10/19/1993	<0.005	<0.005	<0.005				
10/20/1993				<0.005			
2/8/1994	<0.005	<0.005	<0.005				
2/9/1994				<0.005			
4/18/1994	<0.005	<0.005	<0.005				
4/20/1994				<0.005			
7/13/1994				<0.05			
7/14/1994	<0.05	<0.05	<0.05				
10/18/1994				0.009			
10/19/1994	<0.005	<0.005	<0.005				
1/11/1995	<0.005	<0.005	<0.005	<0.005			
4/25/1995				<0.005			
4/26/1995	<0.005	<0.005	<0.005				
5/21/1996		<0.005		<0.005			
5/22/1996			<0.005				
6/5/1996	<0.005						
4/8/1997	<0.005	<0.005	<0.005	<0.005			
4/14/1998	0.006	0.011	0.009	0.009			
6/22/1999	<0.005	<0.005	<0.005				
6/19/2000				<0.005			
6/20/2000	<0.005	<0.005	<0.005				
7/26/2001	<0.005	<0.005	<0.005	<0.005			
4/29/2002	<0.005	<0.005	<0.005				
4/30/2002				<0.005			
4/10/2003	<0.005	<0.005	<0.005	<0.005			
6/23/2004	<0.001	<0.001	<0.001	<0.001			
3/30/2005	<0.001	<0.001	<0.001	<0.001			
4/19/2006	<0.001	<0.001	<0.001	0.0015			
4/23/2007	<0.001	<0.001	<0.001				
4/7/2008	<0.001	<0.001	<0.001				
4/8/2008				0.0014			
6/15/2009	<0.001	<0.001	<0.001	0.001			
11/16/2009					<0.005	<0.005	<0.005
12/21/2009					<0.005	<0.005	<0.005
1/25/2010					<0.001	<0.001	<0.001
4/13/2010	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
7/14/2010					<0.001	<0.001	<0.001
10/19/2010					<0.001	<0.001	0.01
3/3/2011					<0.001	<0.001	<0.001
4/19/2011	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
7/20/2011					<0.001	<0.001	<0.001
10/11/2011					<0.001	<0.001	<0.001
2/20/2012					<0.001	<0.001	0.0022
4/23/2012	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
5/15/2013	<0.001	<0.001	<0.001	0.0015	<0.001	<0.001	0.0048

Time Series

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Constituent: Arsenic Total (mg/L) Analysis Run 5/11/2015 9:02 AM
Green Valley Client: RSI Data: GREENVALLEY

	MW-1	MW-1A	MW-1B	MW-3	MW-28E	MW-28D	MW-28C
4/21/2014	<0.001	<0.001	<0.001	0.0027	<0.001	<0.001	0.017
4/13/2015				0.0021	<0.001	<0.001	<0.001
4/14/2015	<0.001	<0.001	<0.001				

Time Series

Constituent: Barium Total (mg/L) Analysis Run 5/11/2015 9:02 AM

Green Valley Client: RSI Data: GREENVALLEY

	MW-1	MW-1A	MW-1B	MW-3	MW-28E	MW-28D	MW-28C
9/25/1992	<0.25			<0.25			
11/9/1992	<0.25	<0.25	<0.25				
1/18/1993		<0.25		<0.25			
1/19/1993	<0.25		<0.25				
4/26/1993	<0.25	<0.25	<0.25	<0.25			
7/19/1993	<0.25	<0.25	<0.25				
7/20/1993				<0.25			
10/19/1993	<0.25	<0.25	<0.25				
10/20/1993				<0.25			
2/8/1994	<0.25	<0.25	<0.25				
2/9/1994				<0.25			
4/18/1994	<0.25	<0.25	<0.25				
4/20/1994				<0.25			
7/13/1994				<0.25			
7/14/1994	<0.25	<0.25	<0.25				
10/18/1994				<0.25			
10/19/1994	<0.25	<0.25	<0.25				
1/11/1995	<0.25	<0.25	<0.25	<0.25			
4/25/1995				<0.25			
4/26/1995	<0.25	<0.25	<0.25				
5/21/1996		<0.25		<0.25			
5/22/1996			<0.25				
6/5/1996	<0.25						
4/8/1997	<0.25	<0.25	<0.25	<0.25			
4/14/1998	<0.25	<0.25	<0.25	<0.25			
6/22/1999	<0.25	<0.25	<0.25				
6/19/2000				0.038			
6/20/2000	0.041	0.085	0.065				
7/26/2001	<0.25	<0.25	<0.25	<0.25			
4/29/2002	0.04	0.06	0.06				
4/30/2002				0.04			
4/10/2003	0.0366	0.0524	0.0362	0.0371			
6/23/2004	0.033	0.054	0.05	0.038			
3/30/2005	0.019	0.052	0.042	0.046			
4/19/2006	0.024	0.058	0.053	0.076			
4/23/2007	0.026	0.047	0.055				
4/7/2008	0.02	0.05	0.045				
4/8/2008				0.091			
6/15/2009	0.032	0.051	0.052	0.1			
11/16/2009					0.22	0.12	0.1
12/21/2009					0.24	0.083	0.1
1/25/2010					0.21	0.069	0.075
4/13/2010	0.025	0.05	0.052	0.18	0.22	0.053	0.061
7/14/2010					0.24	0.05	0.045
10/19/2010					0.24	0.047	0.058
3/3/2011					0.22	0.04	0.036
4/19/2011	0.024	0.061	0.054	0.086	0.18	0.041	0.035
7/20/2011					0.18	0.035	0.03
10/11/2011					0.17	0.034	0.035
2/20/2012					0.18	0.032	0.029
4/23/2012	0.03	0.048	0.04	0.066	0.16	0.029	0.027
5/15/2013	0.032	0.056	0.055	0.088	0.16	0.023	0.023

Time Series

Constituent: Barium Total (mg/L) Analysis Run 5/11/2015 9:02 AM
Green Valley Client: RSI Data: GREENVALLEY

	MW-1	MW-1A	MW-1B	MW-3	MW-28E	MW-28D	MW-28C
4/21/2014	0.031	0.053	0.055	0.1	0.17	0.034	0.024
4/13/2015				0.065	0.16	0.021	0.017
4/14/2015	0.019	0.051	0.055				

Time Series

Constituent: Beryllium Total (mg/L) Analysis Run: 5/11/2015 9:02 AM
Green Valley Client: RSI Data: GREENVALLEY

	MW-1	MW-1A	MW-1B	MW-3	MW-28E	MW-28D	MW-28C
9/25/1992	<0.01			<0.01			
11/9/1992	<0.01	<0.01	<0.01				
10/18/1994				<0.01			
10/19/1994	<0.01	<0.01	<0.01				
1/11/1995	<0.01	<0.01	<0.01	<0.01			
4/25/1995				<0.01			
4/26/1995	<0.01	<0.01	<0.01				
5/21/1996		<0.01		<0.01			
5/22/1996			<0.01				
6/5/1996	<0.01						
4/8/1997	<0.01	<0.01	<0.01	<0.01			
4/14/1998	<0.01	<0.01	<0.01	<0.01			
6/22/1999	<0.01	<0.01	<0.01				
6/19/2000				<0.01			
6/20/2000	<0.01	<0.01	<0.01				
7/26/2001	<0.01	<0.01	<0.01	<0.01			
4/29/2002	0.01	0.01	0.01				
4/30/2002				0.01			
4/10/2003	<0.01	<0.01	<0.01	<0.01			
6/23/2004	<0.004	<0.004	<0.004	<0.004			
3/30/2005	<0.004	<0.004	<0.004	<0.004			
4/19/2006	<0.004	<0.004	<0.004	<0.004			
4/23/2007	<0.004	<0.004	<0.004				
4/7/2008	<0.01	<0.01	<0.01				
4/8/2008				<0.01			
6/15/2009	<0.01	<0.01	<0.01	<0.01			
11/16/2009					<0.004	<0.004	<0.004
12/21/2009					<0.004	<0.004	<0.004
1/25/2010					<0.01	<0.01	<0.01
4/13/2010	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
7/14/2010					<0.01	<0.01	<0.01
10/19/2010					<0.01	<0.01	<0.01
3/3/2011					<0.01	<0.01	<0.01
4/19/2011	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
7/20/2011					<0.01	<0.01	<0.01
10/11/2011					<0.01	<0.01	<0.01
2/20/2012					<0.01	<0.01	<0.01
4/23/2012	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
5/15/2013	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
4/21/2014	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
4/13/2015				<0.01	<0.01	<0.01	<0.01
4/14/2015	<0.01	<0.01	<0.01				

Green Valley Client: RSI Data: GREENVALLEY

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Time Series

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Constituent: Cadmium Total (mg/L) Analysis Run 5/11/2015 9:02 AM
Green Valley Client: RSI Data: GREENVALLEY

	MW-1	MW-1A	MW-1B	MW-3	MW-28E	MW-28D	MW-28C
4/21/2014	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
4/13/2015				<0.005	<0.005	<0.005	<0.005
4/14/2015	<0.005	<0.005	<0.005				

Time Series

Constituent: Chemical Oxygen Demand [COD] (mg/L) Analysis Run 5/11/2015 9:02 AM
Green Valley Client: RSI Data: GREENVALLEY

	MW-1	MW-1A	MW-1B	MW-3	MW-28E	MW-28D	MW-28C
9/25/1992	43.8			17.2			
11/9/1992	1.9	1.9	5.71				
1/18/1993		<2		<2			
1/19/1993	<2		<2				
4/26/1993	<2	<2	<2	<2			
7/19/1993	3.92	<2	7.84				
7/20/1993				11.9			
10/19/1993	15.7	19.6	9.8				
10/20/1993				<2			
2/8/1994	14	<2	8				
2/9/1994				<2			
4/18/1994	13.3	5.33	5.33				
4/20/1994				5.33			
7/13/1994				10.7			
7/14/1994	13.3	5.33	5.33				
10/18/1994				24.3			
10/19/1994	32.4	8.11	10.8				
1/11/1995	12.3	7.41	7.41	9.88			
4/25/1995				8			
4/26/1995	7.79	10.4	13.2				
7/10/1995				12.2			
7/11/1995	16.9	12	4.82				
11/14/1995	11.9	9.52		9.52			
11/15/1995			11.9				
2/19/1996				8.89			
2/20/1996	2.22	<2	4.44				
5/21/1996		5.48		2.74			
5/22/1996			11				
6/5/1996	5.13						
8/19/1996	7.89	<5	5.26	7.89			
11/5/1996	46	47	41	47			
1/7/1997	15.2	15.2	15.2	20.3			
4/8/1997	7	<5	<5	<5			
7/8/1997	9	7	10	6			
10/9/1997	<5	5	<5	8			
3/19/1998	<5	<5	6	<5			
4/14/1998	5	<5	11	<5			
9/30/1998		6	<5	<5			
12/1/1998	22	10	14	<5			
3/9/1999	9	<5	6	<5			
6/22/1999	5	<5	<5				
9/7/1999		12	<5	10			
11/2/1999	<5	<5	<5	<5			
1/5/2000	<5	<5	<5	<5			
6/19/2000				<5			
6/20/2000	<5	<5	<5				
9/6/2000	27.3	25.3	27.4	29			
11/28/2000	<5	<5	<5	<5			
1/22/2001	<5	<5	<5	<5			
4/2/2001	<5	<5	<5	<5			
7/26/2001	10.1	<5	<5	<5			
10/18/2001	<5	<5	<5				

Time Series

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Constituent: Chemical Oxygen Demand [COD] (mg/L) Analysis Run 5/11/2015 9:02 AM
Green Valley Client: RSI Data: GREENVALLEY

	MW-1	MW-1A	MW-1B	MW-3	MW-28E	MW-28D	MW-28C
10/19/2001				<5			
1/14/2002	<5	<5	<5				
1/15/2002				<5			
4/29/2002	<5	<5	<5				
4/30/2002				<5			
9/18/2002	<10	<10	<10	<10			
11/19/2002	<10	<10	<10	<10			
3/10/2003	<10	<10	<10	<10			
4/10/2003	<10	<10	<10	<10			
7/22/2003	<10	<10	<10	<10			
11/25/2003	<10	<10	<10				
11/26/2003				<10			
3/16/2004				<10			
3/17/2004	<10	<10	<10				
6/23/2004	<10	<10	<10	<10			
9/29/2004	24	11	<10	12			
12/27/2004	<10	<10	<10	<10			
3/30/2005	13	13	23	15			
6/20/2005	<10	<10	<10	<10			
9/27/2005	<10	<10	<10	<10			
12/16/2005	<10	<10	<10	<10			
1/9/2006	<10	<10	<10	<10			
4/19/2006	<10	29	<10	<10			
9/24/2006	<10	<10	<10	<10			
12/5/2006	14	<10	14	14			
3/14/2007				11			
3/16/2007	<10	<10	<10				
4/23/2007	<10	<10	<10				
9/19/2007	<10	<10	16	<10			
10/30/2007	<10	<10	<10	<10			
1/23/2008	15	14	21	<10			
4/7/2008	11	<10	<10				
4/8/2008				<10			
7/9/2008	<10	<10	<10	<10			
12/2/2008	<10	<10	<10				
1/7/2009	<10	<10	<10	<10			
6/15/2009	<10	11	<10	<10			
8/26/2009	10	10	<10	<10			
10/20/2009	<10	<10	12	11	<10	<10	21
11/16/2009					<10	<10	11
12/21/2009					<10	<10	17
1/25/2010	<10	<10	<10	<10	<10	<10	<10
4/13/2010	<10	<10	<10	<10	<10	<10	11
7/14/2010				<10	<10	<10	<10
7/15/2010	<10	<10	10				
10/19/2010	<10	<10	<10	<10	<10	11	27
3/3/2011	<10	<10	<10	<10	<10	<10	<10
4/19/2011	<10	<10	<10	<10	<10	12	<10
7/20/2011	<10	<10	<10	<10	<10	<10	<10
10/11/2011				11	<10	<10	<10
10/12/2011	16	<10	<10				
2/20/2012	<10	<10	<10	28	<10	<10	<10

Time Series

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Constituent: Chemical Oxygen Demand [COD] (mg/L) Analysis Run 5/11/2015 9:02 AM
Green Valley Client: RSI Data: GREENVALLEY

	MW-1	MW-1A	MW-1B	MW-3	MW-28E	MW-28D	MW-28C
4/23/2012	<10	<10	<10	<10	<10	<10	<10
9/10/2012	<10	<10	<10	<10			
9/14/2012					<10	<10	<10
11/26/2012	<10	<10	<10	<10	<10	<10	<10
1/10/2013				<10	<10	<10	<10
1/11/2013	<10	<10	<10				
5/15/2013	<10	<10	<10	<10	<10	<10	<10
7/17/2013	<10	<10	<10	<10	<10	<10	<10
11/6/2013	<10	<10	<10	<10	<10	<10	<10
3/12/2014	<10	<10	<10	<10	<10	<10	<10
4/21/2014	<10	<10	<10	<10	<10	<10	<10
7/8/2014	<10	<10	<10	<10	<10	<10	<10
10/29/2014	<10	<10	<10	<10	<10	<10	<10
1/7/2015	<10	<10	<10	<10	<10	<10	<10
4/13/2015				<10	<10	<10	<10
4/14/2015	<10	<10	<10				

Time Series

Constituent: Chloride (mg/L) Analysis Run 5/11/2015 9:02 AM
Green Valley Client: RSI Data: GREENVALLEY

	MW-1	MW-1A	MW-1B	MW-3	MW-28E	MW-28D	MW-28C
9/25/1992	1.29			1.98			
11/9/1992	2.61	2.61	13.4				
1/18/1993		3.2		1.47			
1/19/1993	1.39		15.9				
4/26/1993	1.71	4.34	45.3	1.53			
7/19/1993	1.32	2.89	8.65				
7/20/1993				1.81			
10/19/1993	1.31	3.18	9.91				
10/20/1993				1.3			
2/8/1994	2.14	3.44	11.8				
2/9/1994				1.45			
4/18/1994	1.13	2.51	9.25				
4/20/1994				<1			
7/13/1994				1.22			
7/14/1994	1.01	3.83	16.3				
10/18/1994				1.3			
10/19/1994	1.08	2.88	13.4				
1/11/1995	1.17	3.09	23.2	1.3			
4/25/1995				1.5			
4/26/1995	1.18	3.36	6.23				
7/10/1995				1.59			
7/11/1995	1.59	3.36	8.51				
11/14/1995	<1	2.94		1.18			
11/15/1995			16.7				
2/19/1996				<1			
2/20/1996	<1	2.99	9.61				
5/21/1996		3.13		1.02			
5/22/1996			9.02				
6/5/1996	<1						
8/19/1996	1.1	3.79	9.98	1.04			
11/5/1996	<1	2.36	13.9	<1			
1/7/1997	1	3.7	18.1	1.1			
4/8/1997	<1	3.1	19.2	1			
7/8/1997	1.1	3.7	19.5	1.1			
10/9/1997	<1	2.2	17.6	<1			
3/19/1998	<1	3.4	26.4	<1			
4/14/1998	<1	3.1	34.2	<1			
9/30/1998		3.1	33.5	1.2			
12/1/1998	1.2	2.49	34	<1			
3/9/1999	1.1	3.1	52.4	1.1			
6/22/1999	1.7	3	39.4				
9/7/1999		2.2	32.8	1.2			
11/2/1999	1.1	2.5	37.1	<1			
1/5/2000	<1	2.6	37.9	1.1			
6/19/2000				<1			
6/20/2000	1.1	2.3	46.7				
9/6/2000	1.2	2.7	26.4	1			
11/28/2000	1.1	2.3	38.1	1.2			
1/22/2001	1.4	2.8	46.5	<1			
4/2/2001	<1	2.8	42.2	1.1			
7/26/2001	1.1	2.8	38.6	1.2			
10/18/2001	1.1	2.5	37.6				

Time Series

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Constituent: Chloride (mg/L) Analysis Run 5/11/2015 9:02 AM
Green Valley Client: RSI Data: GREENVALLEY

	MW-1	MW-1A	MW-1B	MW-3	MW-28E	MW-28D	MW-28C
10/19/2001				1.1			
1/14/2002	1	2.8	38.5				
1/15/2002				<1			
4/29/2002	1.2	3.5	36.7				
4/30/2002				1.1			
9/18/2002	1.2	2.7	39	1.2			
11/19/2002	1.3	3.2	40.9	<1			
3/10/2003	10.5	2.16	49.9	1.27			
4/10/2003	1.36	3.17	49.6	1.28			
7/22/2003	1.29	3.09	35.7	1.03			
11/25/2003	1.55	3.85	46.2				
11/26/2003				1.5			
3/16/2004				1.2			
3/17/2004	1.1	3.3	43				
6/23/2004	1.2	3.3	37	0.96			
9/29/2004	1.1	3.5	37	1			
12/27/2004	<1	3.3	42	<1			
3/30/2005	1	3.3	43	1.2			
6/20/2005	1.2	3.2	37	1.3			
9/27/2005	1.6	3.7	37	1.2			
12/16/2005	1.5	3	39	1.5			
1/9/2006	1.2	3.2	41	4.5			
4/19/2006	1.2	2.9	40	2.7			
9/24/2006	1.1	3.3	45	5.5			
12/5/2006	1.1	3.2	46	2.9			
3/14/2007				2.7			
3/16/2007	1.2	3.3	49				
4/23/2007	1.2	3.2	34				
9/19/2007	1.7	3.2	39	3.2			
10/30/2007	1.7	3.2	43	2.8			
1/23/2008	1.8	3.4	47	2.9			
4/7/2008	1.6	3.3	45				
4/8/2008				1.4			
7/9/2008	1.7	3.2	44	2.3			
12/2/2008	2	3.3	46				
1/7/2009	2	3.8	48	5.7			
6/15/2009	1.3	3.2	44	1.9			
8/26/2009	1.6	3.4	44	2.7			
10/20/2009	1.6	3.6	47	2.9	1.7	3.3	5.8
11/16/2009					2	4	6.3
12/21/2009					2.1	5	7.9
1/25/2010	1.7	3.4	48	2.4	2.3	5.8	9.3
4/13/2010	1.2	3	42	5.6	1.9	7.2	13
7/14/2010				7.3	2.1	7.6	12
7/15/2010	1.6	3.3	47				
10/19/2010	1.3	3.2	46	2.6	2.1	7.6	24
3/3/2011	1.8	3.2	47	15	2.3	20	38
4/19/2011	1.4	3.4	36	3.4	2.3	23	27
7/20/2011	1.1	3.1	39	5.7	2.1	23	24
10/11/2011				14	2.1	22	23
10/12/2011	1.3	3.3	39				
2/20/2012	1.2	3.4	41	1.9	2.2	22	15

Time Series

Page 3

Constituent: Chloride (mg/L) Analysis Run 5/11/2015 9:02 AM
Green Valley Client: RSI Data: GREENVALLEY

	MW-1	MW-1A	MW-1B	MW-3	MW-28E	MW-28D	MW-28C
4/23/2012	1.2	3.3	40	1.9	2.1	20	16
9/10/2012	1.3	3.6	38	3.7			
9/14/2012					2.1	19	19
11/26/2012	1.3	3.9	39	12	1.9	18	19
1/10/2013				9.2	2.1	18	16
1/11/2013	1.5	3.8	42				
5/15/2013	1.4	3.6	38	2	2	17	13
7/17/2013	1.2	3.5	38	8.7	1.7	16	15
11/6/2013	1.4	3.5	38	14	1.8	17	18
3/12/2014	1.5	3.5	45	4.5	1.9	18	12
4/21/2014	1.4	3.4	36	2.9	1.9	19	12
7/8/2014	1.2	3.3	34	2.2	1.6	22	21
10/29/2014	1.3	3.7	38	28	1.7	25	27
1/7/2015	1.4	3.6	37.5	28.7	1.7	26.4	22.6
4/13/2015				11.6	1.9	29.5	14.9
4/14/2015	1.2	3.3	35				

[illegible]

Time Series

Page 2

Constituent: Chromium Total (mg/L) Analysis Run 5/11/2015 9:02 AM
Green Valley Client: RSI Data: GREENVALLEY

	MW-1	MW-1A	MW-1B	MW-3	MW-28E	MW-28D	MW-28C
4/21/2014	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
4/13/2015				<0.02	<0.02	<0.02	<0.02
4/14/2015	<0.02	<0.02	<0.02				

Time Series

Constituent: Cobalt Total (mg/L) Analysis Run 5/11/2015 9:02 AM

Green Valley Client: RSI Data: GREENVALLEY

	MW-1	MW-1A	MW-1B	MW-3	MW-28E	MW-28D	MW-28C
9/25/1992	<0.02			<0.02			
11/9/1992	<0.02	<0.02	<0.02				
10/18/1994				<0.02			
10/19/1994	<0.02	<0.02	<0.02				
1/11/1995	<0.02	<0.02	<0.02	<0.02			
4/25/1995				<0.02			
4/26/1995	<0.02	<0.02	<0.02				
5/21/1996		<0.02		<0.02			
5/22/1996			<0.02				
6/5/1996	<0.02						
4/8/1997	<0.02	<0.02	<0.02	<0.02			
4/14/1998	<0.02	<0.02	<0.02	<0.02			
6/22/1999	<0.02	<0.02	<0.02				
6/19/2000				<0.02			
6/20/2000	<0.02	<0.02	<0.02				
7/26/2001	<0.02	<0.02	<0.02	<0.02			
4/29/2002	<0.02	<0.02	<0.02				
4/30/2002				<0.02			
4/10/2003	<0.02	<0.02	<0.02	<0.02			
6/23/2004	<0.01	<0.01	<0.01	<0.01			
3/30/2005	<0.01	<0.01	<0.01	<0.01			
4/19/2006	<0.01	<0.01	<0.01	<0.01			
4/23/2007	<0.01	<0.01	<0.01				
4/7/2008	<0.02	<0.02	<0.02				
4/8/2008				<0.02			
6/15/2009	<0.02	<0.02	<0.02	<0.02			
11/16/2009					<0.01	0.035	<0.01
12/21/2009					<0.01	0.031	<0.01
1/25/2010					<0.02	0.03	<0.02
4/13/2010	<0.02	<0.02	<0.02	<0.02	<0.02	0.037	<0.02
7/14/2010					<0.02	0.05	<0.02
10/19/2010					<0.02	0.044	<0.02
3/3/2011					<0.02	0.023	<0.02
4/19/2011	<0.02	<0.02	<0.02	<0.02	<0.02	0.03	<0.02
7/20/2011					<0.02	0.039	<0.02
10/11/2011					<0.02	0.033	<0.02
2/20/2012					<0.02	<0.02	<0.02
4/23/2012	<0.02	<0.02	<0.02	<0.02	<0.02	0.037	<0.02
5/15/2013	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
4/21/2014	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
4/13/2015				<0.02	<0.02	<0.02	<0.02
4/14/2015	<0.02	<0.02	<0.02				

Time Series

Constituent: Copper Total (mg/L) Analysis Run 5/11/2015 9:02 AM
Green Valley Client: RSI Data: GREENVALLEY

	MW-1	MW-1A	MW-1B	MW-3	MW-28E	MW-28D	MW-28C
9/25/1992	<0.01			<0.01			
11/9/1992	<0.01	<0.01	<0.01				
10/18/1994				0.01			
10/19/1994	<0.01	<0.01	<0.01				
1/11/1995	0.02	<0.01	<0.01	<0.01			
4/25/1995				<0.01			
4/26/1995	<0.01	<0.01	<0.01				
5/21/1996		<0.01		<0.01			
5/22/1996			<0.01				
6/5/1996	<0.01						
4/8/1997	<0.01	<0.01	<0.01	<0.01			
4/14/1998	<0.01	<0.01	<0.01	<0.01			
6/22/1999	<0.01	<0.01	<0.01				
6/19/2000				<0.01			
6/20/2000	<0.01	<0.01	<0.01				
7/26/2001	<0.01	<0.01	<0.01	<0.01			
4/29/2002	<0.01	<0.01	<0.01				
4/30/2002				<0.01			
4/10/2003	0.0121	<0.01	<0.01	<0.01			
6/23/2004	<0.01	<0.01	<0.01	<0.01			
3/30/2005	<0.01	<0.01	<0.01	<0.01			
4/19/2006	<0.01	<0.01	<0.01	<0.01			
4/23/2007	<0.01	<0.01	<0.01				
4/7/2008	<0.01	<0.01	<0.01				
4/8/2008				<0.01			
6/15/2009	<0.01	<0.01	<0.01	<0.01			
11/16/2009					<0.01	<0.01	<0.01
12/21/2009					<0.01	<0.01	<0.01
1/25/2010					<0.01	<0.01	<0.01
4/13/2010	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
7/14/2010					<0.01	<0.01	<0.01
10/19/2010					<0.01	<0.01	<0.01
3/3/2011					<0.01	<0.01	<0.01
4/19/2011	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
7/20/2011					<0.01	<0.01	<0.01
10/11/2011					<0.01	<0.01	<0.01
2/20/2012					<0.01	<0.01	<0.01
4/23/2012	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
5/15/2013	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
4/21/2014	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.022
4/13/2015				<0.01	<0.01	<0.01	<0.01
4/14/2015	<0.01	<0.01	<0.01				

Time Series

Constituent: Iron Total (mg/L) Analysis Run 5/11/2015 9:02 AM
Green Valley Client: RSI Data: GREENVALLEY

	MW-1	MW-1A	MW-1B	MW-3	MW-28E	MW-28D	MW-28C
9/25/1992	5.59			7.74			
11/9/1992	1.16	1.16	0.64				
1/18/1993		1.27		3.71			
1/19/1993	2.41		4.34				
4/26/1993	2.22	1.27	10.7	2.32			
7/19/1993	8.55	7.79	0.49				
7/20/1993				3.65			
10/19/1993	10.3	1.24	0.1				
10/20/1993				8.25			
2/8/1994	1.62	1.19	0.32				
2/9/1994				0.71			
4/18/1994	5.66	10.9	0.38				
4/20/1994				1.02			
7/13/1994				1.42			
7/14/1994	17.2	1.16	0.37				
10/18/1994				57.3			
10/19/1994	9.02	0.95	0.47				
1/11/1995	22.7	1.05	0.36	1.92			
4/25/1995				0.68			
4/26/1995	0.46	3.81	0.56				
7/10/1995				0.879			
7/11/1995	0.7	0.871	0.354				
11/14/1995	1.04	0.51		1.12			
11/15/1995			0.87				
2/19/1996				2.77			
2/20/1996	0.47	0.89	0.37				
5/21/1996		0.85		1.72			
5/22/1996			0.7				
6/5/1996	0.6						
8/19/1996	0.44	1.32	0.47	0.22			
11/5/1996	1.08	3.85	0.27	0.37			
1/7/1997	0.91	3.24	0.33	0.31			
4/8/1997	1.01	4.2	0.07	0.25			
7/8/1997	1.1	8.23	0.05	0.47			
10/9/1997	0.35	4.69	0.19	0.67			
3/19/1998	0.27	1.84	0.18	0.34			
4/14/1998	0.16	2.53	0.1	0.29			
9/30/1998		2.42	0.25	0.18			
12/1/1998	0.45	2.49	0.21	0.37			
3/9/1999	4.36	9.03	0.21	0.98			
6/22/1999	0.76	5.75	0.05				
9/7/1999		4.97	0.19	0.39			
11/2/1999	0.43	1.59	0.15	0.3			
1/5/2000	0.98	6.13	0.359	0.5			
6/19/2000				0.25			
6/20/2000	1.62	13.4	0.6				
9/6/2000	0.23	2.58	0.26	0.17			
11/28/2000	0.14	2.36	0.62	0.43			
1/22/2001	0.96	2.62	0.36	0.34			
4/2/2001	0.75	4.33	0.2	0.06			
7/26/2001	0.58	3.99	0.07	0.14			
10/18/2001	0.82	3.93	0.19				

Time Series

Page 2

Constituent: Iron Total (mg/L) Analysis Run 5/11/2015 9:02 AM

Green Valley Client: RSI Data: GREENVALLEY

	MW-1	MW-1A	MW-1B	MW-3	MW-28E	MW-28D	MW-28C
10/19/2001				0.17			
1/14/2002	0.43	3.15	0.16				
1/15/2002				0.07			
4/29/2002	1.44	4.28	0.02				
4/30/2002				0.16			
9/18/2002	0.144	2.63	0.2	0.113			
11/19/2002	0.354	3.64	0.211	0.185			
3/10/2003	1.38	3.97	<0.02	<0.02			
4/10/2003	0.85	4.1	0.146	0.305			
7/22/2003	0.37	2.53	<0.02	0.164			
11/25/2003	0.41	1.82	0.386				
11/26/2003				0.109			
3/16/2004				0.28			
3/17/2004	0.08	2.4	0.23				
6/23/2004	0.65	1.4	0.059	0.17			
9/29/2004	0.36	2.1	0.28	<0.02			
12/27/2004	0.87	1.6	0.27	0.042			
3/30/2005	0.32	1.3	0.21	<0.02			
6/20/2005	0.12	1.3	0.027	0.26			
9/27/2005	0.11	3.2	0.29	1.1			
12/16/2005	0.22	3.6	0.36	17			
1/9/2006	0.46	2.4	0.26	1			
4/19/2006	0.5	5.5	0.02	8.6			
9/24/2006	0.15	3.4	0.36	3			
12/5/2006	0.23	0.97	0.34	9.1			
3/14/2007				11			
3/16/2007	0.18	0.95	0.046				
4/23/2007	0.56	1.6	<0.02				
9/19/2007	0.24	3.4	0.44	15			
10/30/2007	0.13	1.5	0.22	14			
1/23/2008	0.19	4.5	0.44	5			
4/7/2008	0.45	1.4	0.37				
4/8/2008				37			
7/9/2008	0.23	1.7	0.042	20			
12/2/2008	1.5	1.5	0.58				
1/7/2009	1	2	0.47	7.7			
6/15/2009	0.16	1.6	<0.02	19			
8/26/2009	0.33	1.1	0.26	15			
10/20/2009	0.15	1.1	0.29	7.4	0.27	0.26	72
11/16/2009					0.2	0.23	3
12/21/2009					0.27	0.08	1.8
1/25/2010	0.22	1.9	0.52	21	0.1	0.18	1.2
4/13/2010	0.16	0.78	0.028	13	0.082	0.35	1.8
7/14/2010				10	0.16	15	2.4
7/15/2010	0.32	3.1	0.13				
10/19/2010	0.14	1.8	0.5	8	1.4	18	27
3/3/2011	0.53	1.2	0.45	6.5	0.13	2.7	1.7
4/19/2011	0.21	2.3	0.036	13	0.31	2.4	1.5
7/20/2011	0.21	5	0.21	19	0.08	20	1.8
10/11/2011				22	0.1	22	2.4
10/12/2011	0.21	1.9	0.71				
2/20/2012	0.24	1.8	0.54	58	0.071	1.6	11

Time Series

Page 3

Constituent: Iron Total (mg/L) Analysis Run 5/11/2015 9:02 AM
Green Valley Client: RSI Data: GREENVALLEY

	MW-1	MW-1A	MW-1B	MW-3	MW-28E	MW-28D	MW-28C
4/23/2012	0.38	0.46	0.23	16	0.054	5.2	3.8
9/10/2012	0.46	2.6	0.84	11			
9/14/2012					<0.02	24	2.7
11/26/2012	0.23	1.4	0.67	12	1.4	3.6	20
1/10/2013				8.6	0.064	2.7	12
1/11/2013	0.07	0.45	0.57				
5/15/2013	1.2	1.3	0.033	11	0.092	1.2	20
7/17/2013	0.32	1.4	0.035	14	0.14	6	7.6
11/6/2013	0.27	1.2	0.41	14	0.17	21	3
3/12/2014	0.68	0.68	0.41	36	0.031	2.4	3.5
4/21/2014	1.4	1	0.13	17	0.17	1.3	160
7/8/2014	0.13	1.9	0.028	11	0.09	15	6.2
10/29/2014	0.22	2	0.4	9.5	0.056	22	0.56
1/7/2015	0.55	18.1	0.44	9.3	2.2	11.8	4.8
4/13/2015				15.4	0.23	1.9	3.7
4/14/2015	0.18	1.6	0.051				

[illegible]

Green Valley Client: RSI Data: GREENVALLEY

Time Series

Constituent: Lead Total (mg/L) Analysis Run 5/11/2015 9:02 AM
Green Valley Client: RSI Data: GREENVALLEY

	MW-1	MW-1A	MW-1B	MW-3	MW-28E	MW-28D	MW-28C
4/21/2014	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	0.038
4/13/2015				<0.03	<0.03	<0.03	<0.03
4/14/2015	<0.03	<0.03	<0.03				

2



1



Time Series

Page 2

Constituent: Mercury Total (mg/L) Analysis Run 5/11/2015 9:02 AM
Green Valley Client: RSI Data: GREENVALLEY

	MW-1	MW-1A	MW-1B	MW-3	MW-28E	MW-28D	MW-28C
4/21/2014	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
4/13/2015				<0.0002	<0.0002	<0.0002	<0.0002
4/14/2015	<0.0002	<0.0002	<0.0002				

Time Series

Constituent: Nickel Total (mg/L) Analysis Run 5/11/2015 9:02 AM
Green Valley Client: RSI Data: GREENVALLEY

	MW-1	MW-1A	MW-1B	MW-3	MW-28E	MW-28D	MW-28C
9/25/1992	0.02			0.06			
11/9/1992	<0.02	<0.02	<0.02				
10/18/1994				0.02			
10/19/1994	0.03	<0.02	<0.02				
1/11/1995	0.04	<0.02	<0.02	0.06			
4/25/1995				0.05			
4/26/1995	<0.02	<0.02	<0.02				
5/21/1996		<0.02		0.04			
5/22/1996			<0.02				
6/5/1996	<0.02						
4/8/1997	<0.02	<0.02	<0.02	0.03			
4/14/1998	<0.02	<0.02	<0.02	0.03			
6/22/1999	<0.02	<0.02	<0.02				
6/19/2000				0.04			
6/20/2000	<0.02	<0.02	<0.02				
7/26/2001	<0.02	<0.02	<0.02	<0.02			
4/29/2002	<0.02	<0.02	<0.02				
4/30/2002				0.02			
4/10/2003	<0.02	<0.02	<0.02	<0.02			
6/23/2004	<0.005	<0.005	<0.005	0.024			
3/30/2005	<0.005	<0.005	<0.005	0.0051			
4/19/2006	0.0065	0.01	0.0057	0.037			
4/23/2007	<0.005	<0.005	<0.005				
4/7/2008	<0.02	<0.02	<0.02				
4/8/2008				<0.02			
6/15/2009	<0.02	<0.02	<0.02	0.021			
11/16/2009					<0.005	0.03	0.0099
12/21/2009					<0.005	0.027	0.011
1/25/2010					<0.02	0.027	<0.02
4/13/2010	<0.02	<0.02	<0.02	0.066	<0.02	0.03	<0.02
7/14/2010					<0.02	0.028	<0.02
10/19/2010					<0.02	0.025	0.048
3/3/2011					<0.02	0.032	0.068
4/19/2011	<0.02	<0.02	<0.02	<0.02	<0.02	0.034	0.064
7/20/2011					<0.02	0.031	0.041
10/11/2011					<0.02	0.03	0.062
2/20/2012					<0.02	0.025	0.07
4/23/2012	<0.02	<0.02	<0.02	<0.02	<0.02	0.03	0.071
5/15/2013	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.072
4/21/2014	<0.02	<0.02	<0.02	<0.02	<0.02	0.022	0.062
4/13/2015				0.042	<0.02	<0.02	0.041
4/14/2015	<0.02	<0.02	<0.02				

Time Series

Constituent: Nitrate as N (mg/L) Analysis Run 5/11/2015 9:02 AM
Green Valley Client: RSI Data: GREENVALLEY

	MW-1	MW-1A	MW-1B	MW-3	MW-28E	MW-28D	MW-28C
9/25/1992	<0.05			<0.05			
11/9/1992	<0.05	<0.05	<0.05				
1/18/1993		<0.05		0.05			
1/19/1993	<0.05		<0.05				
4/26/1993	0.11	<0.05	0.1	0.19			
7/19/1993	<0.05	<0.05	<0.05				
7/20/1993				0.11			
10/19/1993	<0.05	0.05	0.06				
10/20/1993				<0.05			
2/8/1994	<0.05	0.16	<0.05				
2/9/1994				0.23			
4/18/1994	0.06	0.209	0.172				
4/20/1994				0.146			
7/13/1994				<0.05			
7/14/1994	<0.05	<0.05	<0.05				
10/18/1994				<0.05			
10/19/1994	<0.05	<0.05	<0.05				
1/11/1995	0.13	<0.05	<0.05	0.27			
4/25/1995				0.26			
4/26/1995	<0.05	0.19	<0.05				
5/21/1996		<0.05		0.16			
5/22/1996			<0.05				
6/5/1996	<0.05						
4/8/1997	<0.05	0.26	0.06	0.11			
4/14/1998	3.22	2.78	3.21	2.96			
6/22/1999	<0.05	0.12	0.05				
6/19/2000				<0.05			
6/20/2000	0.06	0.17	<0.05				
4/29/2002	<0.05	0.1	0.2				
4/30/2002				0.24			
4/10/2003	0.216	0.298	0.135	0.21			
6/23/2004	0.11	0.052	<0.25	0.56			
3/30/2005	0.055	0.24	<0.05	0.061			
4/19/2006	<0.05	0.21	0.27	<0.05			
4/23/2007	<0.05	0.18	0.41				
4/7/2008	0.067	0.22	<0.05				
4/8/2008				<0.05			
6/15/2009	0.14	<0.05	0.07	<0.05			
11/16/2009					0.27	0.069	<0.05
12/21/2009					0.24	0.056	<0.05
1/25/2010					0.15	<0.05	0.073
4/13/2010	<0.05	0.19	0.41	<0.05	0.065	<0.05	<0.05
7/14/2010					<0.05	<0.05	0.077
10/19/2010					<0.05	<0.05	<0.05
3/3/2011					0.056	0.054	0.12
4/19/2011	0.081	0.21	0.47	0.11	0.071	0.062	0.065
7/20/2011					0.059	<0.05	<0.05
10/11/2011					<0.05	<0.05	<0.05
2/20/2012					<0.05	<0.05	<0.05
4/23/2012	<0.05	0.2	<0.05	0.15	0.057	<0.05	0.071
5/15/2013	0.13	0.2	0.44	<0.05	0.054	<0.05	0.063
4/21/2014	0.08	0.19	0.46	0.08	0.051	0.054	0.29

Time Series

Constituent: Nitrate as N (mg/L) Analysis Run 5/11/2015 9:02 AM
Green Valley Client: RSI Data: GREENVALLEY

	MW-1	MW-1A	MW-1B	MW-3	MW-28E	MW-28D	MW-28C
4/13/2015				0.08	0.067	0.097	0.13
4/14/2015	0.093	0.21	0.47				

Time Series

Constituent: pH [Field] (su) Analysis Run 5/11/2015 9:02 AM
Green Valley Client: RSI Data: GREENVALLEY

	MW-1	MW-1A	MW-1B	MW-3	MW-28E	MW-28D	MW-28C
9/25/1992	7.2			6.4			
11/9/1992	7	7	7.6				
1/18/1993		7.1		6.9			
1/19/1993	7.4		7.4				
4/26/1993	7.7	7.1	7.3	5.6			
7/19/1993	6.3	7.9	8				
7/20/1993				5.3			
10/19/1993	7.4	7.4	7.4				
10/20/1993				5.6			
2/8/1994	8.4	8	7.4				
2/9/1994				7.6			
4/18/1994	7.1	6.9	7.1				
4/20/1994				7.1			
7/13/1994				6.1			
7/14/1994	8.1	8	8.1				
10/18/1994				5.7			
10/19/1994	6.5	7.5	7.5				
1/11/1995	6.155 (D)	6.275 (D)	6.335 (D)	5.52 (D)			
4/25/1995				6.28			
4/26/1995	6.93	7.45	7.73				
7/10/1995				7.1			
7/11/1995	7.2	7.8	8				
11/14/1995	8.1	8		7.6			
11/15/1995			8.2				
2/19/1996				5.8			
2/20/1996	7.5	7.3	7.3				
5/21/1996		7.2		6			
5/22/1996			7.5				
6/5/1996	7.9						
8/19/1996	6.32	7.09	7.4	4.96			
11/5/1996	5.99	6.96	7.71	5.09			
1/7/1997	5.9	6.52	7.28	5.07			
4/8/1997	6.05	7.07	7.5	5.03			
7/8/1997	6.03	7.4	8.2	6.03			
10/9/1997	6.9	7.4	8.2	7.4			
3/19/1998	7.8	7.1	8	6.6			
4/14/1998	7	7.3	8	6.7			
9/30/1998		7.3	8.3	7.2			
12/1/1998	7.54	8.45	8.5	6.2			
3/9/1999	6.6	7.42	9.75	6.5			
6/22/1999	6.8	7.1	7.7				
9/7/1999		7.3	7.5	5			
11/2/1999	7.1	6.95	8.1	6.39			
1/5/2000	5.69	6.9	7.89	5.58			
6/19/2000				6.35			
6/20/2000	6.39	6.95	7.84				
9/6/2000	6.08	6.71	7.7	6.32			
11/28/2000	7.61	6.87	7.51	7.56			
1/22/2001	6.18	7.03	8.11	4.96			
4/2/2001	7.12	6.8	8.06	5.61			
7/26/2001	7.57	6.91	7.29	7.35			
10/18/2001	7.03	7.6	8.4				

Time Series

Page 2

Constituent: pH [Field] (su) Analysis Run 5/11/2015 9:02 AM
Green Valley Client: RSI Data: GREENVALLEY

	MW-1	MW-1A	MW-1B	MW-3	MW-28E	MW-28D	MW-28C
10/19/2001				7.1			
1/14/2002	7.07	7.41	8.24				
1/15/2002				6.58			
4/29/2002	6.67	7.08	7.91				
4/30/2002				4.77			
9/18/2002	5.73	6.77	7.94	5.49			
11/19/2002	7.6	7.04	7.59	7.44			
3/10/2003	8.04	7.29	8.1	8.24			
4/10/2003	7.2	7.14	8.01				
7/22/2003	5.47	6.72	7.6	5.22			
11/25/2003	6.5	7.3	8.3				
11/26/2003				4.3			
3/16/2004				5.58			
3/17/2004	7.39	6.96	8.03				
6/23/2004	5.61	7.08	8	5.09			
9/29/2004	5.85	7.24	7.99	5.4			
12/27/2004	6.62	7.18	7.98	5.6			
3/30/2005	7.54	7.29	8.35	7.39			
6/20/2005	7.53	7.07	7.4	6.78			
9/27/2005	6.47	7.22	8.16	7.11			
12/16/2005	7.24	7.4	7.93	7.74			
1/9/2006	6.27	6.57	7.68	5.56			
4/19/2006	7.26	6.94	7.43	7.1			
9/24/2006	5.6	6.85	7.63	5.3			
12/5/2006	5.64	6.62	7.39	5.52			
3/14/2007				6.38			
3/16/2007	6.24	6.49	7.38				
4/23/2007	5.53	6.78	7.3				
9/19/2007	6.38	7.58	8.08	7.15			
10/30/2007	5.42	5.84	6.34	6.44			
1/23/2008	6.05	6.96	7.15	6.15			
4/7/2008	5.37	7.35	7.35				
4/8/2008				6.02			
7/9/2008	7.46	7.57	8.13	7.71			
12/2/2008	6.46	6.65	6.77				
1/7/2009	5.47	6.8	7.28	5.73			
6/15/2009	5.61	6.94	7.36	6.07			
8/26/2009	5.46	6.55	7.22	5.98			
10/20/2009	6.61	7.43	8	6.31	6.49	6.11	6.04
11/16/2009					6.79	5.55	5.6
12/21/2009					6.29	5.99	5.78
1/25/2010	5.84	7.14	7.21	5.8	6.31	5.9	5.87
4/13/2010	5.72	7.1	7.47	5.71	6.43	5.77	5.87
7/14/2010				6.61	6.78	6.4	6.12
7/15/2010	6.21	7.46	7.84				
10/19/2010	5.58	6.8	7.36	6.41	6.24	6	5.35
3/3/2011	6.57	7.45	8.01	6.28	6.82	6.12	6.01
4/19/2011	5.15	6.28	6.74	5.12	4.76	4.46	4.1
7/20/2011	5.9	7.09	7.8	6.34	6.65	6.18	5.54
10/11/2011				4.91	5.29	5.16	4.67
10/12/2011	5.24	6.3	7.13				
2/20/2012	6.16	7.17	7.81	6.49	6.61	5.7	5.53

Time Series

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Constituent: pH [Field] (su) Analysis Run 5/11/2015 9:02 AM
Green Valley Client: RSI Data: GREENVALLEY

	MW-1	MW-1A	MW-1B	MW-3	MW-28E	MW-28D	MW-28C
4/23/2012	5.55	6.81	7.15	6.11	6.22	5.5	5.19
9/10/2012	5.25	6.74	7.46	5.96			
9/14/2012					6.12	5.8	5.08
11/26/2012	5.61	6.37	7.03	5.57	6.16	5.33	5.01
1/10/2013				5.77	6.47	5.62	5.43
1/11/2013	7.02	6.98	7.38				
5/15/2013	4.04	6.66	7.46	4.77	5.44	5.22	4.8
7/17/2013	4.63	5.53	6.16	6.11	6.5	6.69	6.37
11/6/2013	5.6	6.43	6.92	5.68	6.57	5.94	5.28
3/12/2014	6.4	7.24	7.81	6.22	6.46	5.48	5.27
4/21/2014	5.8	6.97	7.44	6.2	6.18	5.02	4.92
7/8/2014	5.38	6.87	7.31	6.13	6.29	5.83	5.22
10/29/2014	5.16	5.88		5.15	5.66	5.14	4.57
1/7/2015	7.39	7.53	7.99	5.89	6.94	5.86	5.56
4/13/2015				4.59	6.07	6.25	4.65
4/14/2015	7.15	6.99	7.61				

Time Series

Constituent: Selenium Total (mg/L) Analysis Run 5/11/2015 9:02 AM
Green Valley Client: RSI Data: GREENVALLEY

	MW-1	MW-1A	MW-1B	MW-3	MW-28E	MW-28D	MW-28C
4/21/2014	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.0023
4/13/2015				<0.001	<0.001	<0.001	<0.001
4/14/2015	<0.001	<0.001	<0.001				

Time Series

Constituent: Silver Total (mg/L) Analysis Run 5/11/2015 9:02 AM

Green Valley Client: RSI Data: GREENVALLEY

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Time Series

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Constituent: Silver Total (mg/L) Analysis Run 5/11/2015 9:02 AM
Green Valley Client: RSI Data: GREENVALLEY

	MW-1	MW-1A	MW-1B	MW-3	MW-28E	MW-28D	MW-28C
4/21/2014	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
4/13/2015				<0.01	<0.01	<0.01	<0.01
4/14/2015	<0.01	<0.01	<0.01				

Time Series

Constituent: Sodium Total (mg/L) Analysis Run 5/11/2015 9:02 AM

Green Valley Client: RSI Data: GREENVALLEY

	MW-1	MW-1A	MW-1B	MW-3	MW-28E	MW-28D	MW-28C
9/25/1992	3.6			3.44			
11/9/1992	26.4	26.4	144				
1/18/1993		21.2		3.06			
1/19/1993	1.96		95				
4/26/1993	131	365	595	336			
7/19/1993	4.43	28.2	42.8				
7/20/1993				3.19			
10/19/1993	1.53	21.4	52.5				
10/20/1993				4.38			
2/8/1994	1.19	22.1	45.6				
2/9/1994				2.03			
4/18/1994	2	25.9	53				
4/20/1994				2.55			
7/13/1994				4.62			
7/14/1994	2.85	23.9	51.2				
10/18/1994				2.8			
10/19/1994	2.06	21.6	45.9				
1/11/1995	1.83	21.1	92.5	1.91			
4/25/1995				1.95			
4/26/1995	1.16	20.2	34.7				
7/10/1995				2.51			
7/11/1995	1.63	19.5	92.5				
11/14/1995	1.34	22.8		2.29			
11/15/1995			94.5				
2/19/1996				1.58			
2/20/1996	1.1	19.3	42.8				
5/21/1996		22.5		2.5			
5/22/1996			44.5				
6/5/1996	3.49						
8/19/1996	1.43	15	54.4	2.25			
11/5/1996	1.52	16.2	76.2	2.28			
1/7/1997	1.95	26.2	85	1.92			
4/8/1997	1.1	15	67.5	1.95			
7/8/1997	0.93	21.3	73.8	1.03			
10/9/1997	1.91	21.3	87.5	2.91			
3/19/1998	1.15	13	72.5	1.5			
4/14/1998	1.32	20.6	102	2.25			
9/30/1998		9.75	76.3	1.28			
12/1/1998	2.48	16.4	98.1	2.28			
3/9/1999	1.4	18.1	130	2			
6/22/1999	1.3	15.7	97				
9/7/1999		18.8	110	2.39			
11/2/1999	3.13	18.3	110	2.27			
1/5/2000	2.95	21.7	115	2.63			
6/19/2000				3.98			
6/20/2000	4.03	21.4	116				
9/6/2000	3.93	21.9	112	3.66			
11/28/2000	4.46	22.1	120	3.71			
1/22/2001	4.25	23.3	138	3.18			
4/2/2001	3.01	21.1	128	2.78			
7/26/2001	2.76	18.4	103	2.91			
10/18/2001	2.68	19.4	117				

Time Series

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Constituent: Sodium Total (mg/L) Analysis Run 5/11/2015 9:02 AM
Green Valley Client: RSI Data: GREENVALLEY

	MW-1	MW-1A	MW-1B	MW-3	MW-28E	MW-28D	MW-28C
10/19/2001				2.95			
1/14/2002	4.44	20.1	118				
1/15/2002				3.37			
4/29/2002	2.78	23.7	124				
4/30/2002				3.05			
9/18/2002	2.79	20.8	120	3.16			
11/19/2002	4.13	23.2	113	3.24			
3/10/2003	2.6	19.4	136	2.31			
4/10/2003	2.38	19.8	123	2.86			
7/22/2003	2.95	21.7	125	3.44			
11/25/2003	3	23	129				
11/26/2003				3.26			
3/16/2004				2.4			
3/17/2004	2	22	140				
6/23/2004	1.8	22	110	2.7			
9/29/2004	2.3	23	120	2.6			
12/27/2004	2	24	130	2.6			
3/30/2005	1.8	22	140	9.9			
6/20/2005	1.7	23	120	2.7			
9/27/2005	2.3	22	120	2.7			
12/16/2005	2.9	21	130	3.1			
1/9/2006	2.7	24	130	3.8			
4/19/2006	2	23	110	4.8			
9/24/2006	2.3	22	130	9			
12/5/2006	2.2	22	130	4.6			
3/14/2007				3.6			
3/16/2007	1.4	20	130				
4/23/2007	1.4	20	110				
9/19/2007	2.1	25	150	3			
10/30/2007	2.3	23	120	2.9			
1/23/2008	2.1	24	140	5.1			
4/7/2008	1.5	22	140				
4/8/2008				3			
7/9/2008	1.3	19	120	3.1			
12/2/2008	4.3	22	130				
1/7/2009	2.1	25	140	9			
6/15/2009	1.3	19	120	3.5			
8/26/2009	1.4	21	130	4.2			
10/20/2009	1.6	24	140	4.7	7.4	28	9.1
11/16/2009					10	21	8.4
12/21/2009					12	20	9.9
1/25/2010	1.6	22	140	3.7	13	20	12
4/13/2010	1.4	20	140	6	14	19	16
7/14/2010				5.5	16	23	14
7/15/2010	1.5	21	140				
10/19/2010	1.9	22	150	3.3	15	23	14
3/3/2011	1.6	22	150	9.8	18	28	24
4/19/2011	1.5	19	110	4.2	16	34	25
7/20/2011	1.4	20	140	5.3	18	29	20
10/11/2011				9.8	17	27	23
10/12/2011	1.5	21	130				
2/20/2012	1.6	22	150	3.6	21	34	21

Time Series

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Constituent: Sodium Total (mg/L) Analysis Run 5/11/2015 9:02 AM
Green Valley Client: RSI Data: GREENVALLEY

	MW-1	MW-1A	MW-1B	MW-3	MW-28E	MW-28D	MW-28C
4/23/2012	1.7	21	150	3.4	20	34	20
9/10/2012	2	26	160	4.6			
9/14/2012					16	32	19
11/26/2012	2.5	27	150	10	18	32	20
1/10/2013				8.9	17	32	18
1/11/2013	2	24	150				
5/15/2013	1.5	25	150	3.2	16	28	15
7/17/2013	1.5	21	140	6.9	14	8.9	14
11/6/2013	1.8	20	140	11	14	23	18
3/12/2014	1.8	23	160	6.2	15	30	16
4/21/2014	1.8	22	160	3.9	14	33	14
7/8/2014	1.4	20	130	3.1	11	29	15
10/29/2014	1.7	23	120	15	11	30	18
1/7/2015	2.4	22.4	130	17.3	12	28.4	17.2
4/13/2015				9.2	11.2	29.1	13.3
4/14/2015	1.7	19.6	120				

Time Series

Constituent: Specific Conductance [Field] (umhos/cm) Analysis Run 5/11/2015 9:02 AM
Green Valley Client: RSI Data: GREENVALLEY

	MW-1	MW-1A	MW-1B	MW-3	MW-28E	MW-28D	MW-28C
9/25/1992	90			220			
11/9/1992	370	370	490				
1/18/1993		390		200			
1/19/1993	110		390				
4/26/1993	70	310	460	180			
7/19/1993	100	300	300				
7/20/1993				100			
10/19/1993	100	100	100				
10/20/1993				200			
2/8/1994	290	400	510				
2/9/1994				440			
4/18/1994	210	290	310				
4/20/1994				100			
7/13/1994				130			
7/14/1994	70	310	390				
10/18/1994				138			
10/19/1994	80	348	480				
1/11/1995	60	280	410	250			
4/25/1995				158			
4/26/1995	65	285	365				
7/10/1995				140			
7/11/1995	90	320	350				
11/14/1995	110	370		220			
11/15/1995			410				
2/19/1996				172			
2/20/1996	75	355	434				
5/21/1996		287		117			
5/22/1996			346				
6/5/1996	60.3						
8/19/1996	64.3	347	429	133			
11/5/1996	77	337	466	135			
1/7/1997	74	345	445	151			
4/8/1997	70	351	458	170			
7/8/1997	81	384	535	131			
10/9/1997	86	333	505	96			
3/19/1998	78	353	554	164			
4/14/1998	82	342	569	163			
9/30/1998		242	595	60			
12/1/1998	93	195	501	93			
3/9/1999	71	358	607	164			
6/22/1999	70	295	576				
9/7/1999		394	685	152			
11/2/1999	145	332	567	142			
1/5/2000	36	377	640	183			
6/19/2000				135			
6/20/2000	84	339	601				
9/6/2000	84	287	502	93			
11/28/2000	81	263	486	89			
1/22/2001	86	343	593	156			
4/2/2001	90	412	713	185			
7/26/2001	68	278	490	94			
10/18/2001	96.6	353.3	605				

Time Series

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Constituent: Specific Conductance [Field] (umhos/cm) Analysis Run 5/11/2015 9:02 AM
Green Valley Client: RSI Data: GREENVALLEY

	MW-1	MW-1A	MW-1B	MW-3	MW-28E	MW-28D	MW-28C
10/19/2001				83.3			
1/14/2002	108	379	1038				
1/15/2002				158			
4/29/2002	60	305	492				
4/30/2002				118			
9/18/2002	945	421	380	815			
11/19/2002	90	375	596	146			
3/10/2003	65	311	555	136			
4/10/2003	40	270	500	100			
7/22/2003	76	369	589	142			
11/25/2003	143	640	690				
11/26/2003				242			
3/16/2004				208			
3/17/2004	140	474	823				
6/23/2004	73	186	570	145			
9/29/2004	80	360	570	130			
12/27/2004	49	250	421	80			
3/30/2005	78.7	353	633	148			
6/20/2005	52.1	215	208	54			
9/27/2005	87.1	341	560	75.7			
12/16/2005	88	366	577	74			
1/9/2006	33	140	239	52			
4/19/2006	69	322	576	101			
9/24/2006	814	397	691	262			
12/5/2006	66	318	547	138			
3/14/2007				148			
3/16/2007	63	377	655				
4/23/2007	67	382	629				
9/19/2007	75	331	598	87			
10/30/2007	88	261	560	94			
1/23/2008	70	352	595	125			
4/7/2008	61	351	634				
4/8/2008				72			
7/9/2008	63	371	602	108			
12/2/2008	98	286	476				
1/7/2009	82	422	688	315			
6/15/2009	64	374	653	138			
8/26/2009	71	381	650	212			
10/20/2009	65	282	471	171	210	306	329
11/16/2009					373	503	510
12/21/2009					287	364	337
1/25/2010	101	452	754	188	336	452	458
4/13/2010	63	358	629	365	300	491	764
7/14/2010				279	312	615	436
7/15/2010	64	370	649				
10/19/2010	65	355	633	95	308	568	406
3/3/2011	69	376	691	312	355	605	703
4/19/2011	58	355	619	102	329	634	624
7/20/2011	73	413	727	203	386	734	650
10/11/2011				392	380	737	632
10/12/2011	76	411	721				
2/20/2012	51	294	552	68	291	511	442

Time Series

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Constituent: Specific Conductance [Field] (umhos/cm) Analysis Run 5/11/2015 9:02 AM
Green Valley Client: RSI Data: GREENVALLEY

	MW-1	MW-1A	MW-1B	MW-3	MW-28E	MW-28D	MW-28C
4/23/2012	59	339	649	80	329	588	501
9/10/2012	69	377	669	133			
9/14/2012					345	647	596
11/26/2012	75	405	658	409	338	587	599
1/10/2013				340	326	587	562
1/11/2013	68	394	674				
5/15/2013	56	352	606	98	301	532	473
7/17/2013	61	347	568	316	297	564	474
11/6/2013	86	431	753	567	370	745	698
3/12/2014	70	384	728	229	333	649	526
4/21/2014	67	378	721	117	319	653	494
7/8/2014	70	391	692	117	316	713	575
10/29/2014	72	412		528	329	766	594
1/7/2015	79	397	693	595	205	602	474
4/13/2015				233	217	691	310
4/14/2015	61	252	494				

Time Series

Constituent: Thallium Total (mg/L) Analysis Run 5/12/2015 4:04 PM
Green Valley Client: RSI Data: GREENVALLEY

	MW-1	MW-1A	MW-1B	MW-3	MW-28E	MW-28D	MW-28C
9/25/1992	<0.25			<0.25			
11/9/1992	<0.25	<0.25	<0.25				
10/18/1994				<0.25			
10/19/1994	<0.25	<0.25	<0.25				
1/11/1995	<0.25	<0.25	<0.25	<0.25			
4/25/1995				<0.25			
4/26/1995	<0.25	<0.25	<0.25				
5/21/1996		<0.25		<0.25			
5/22/1996			<0.25				
6/5/1996	<0.25						
4/8/1997	<0.25	<0.25	<0.25	<0.25			
4/14/1998	<0.25	<0.25	<0.25	<0.25			
6/22/1999	<0.25	<0.25	<0.25				
6/19/2000				<0.25			
6/20/2000	<0.25	<0.25	<0.25				
7/26/2001	<0.25	<0.25	<0.25	<0.25			
4/29/2002	<0.25	<0.25	<0.25				
4/30/2002				<0.25			
4/10/2003	<0.25	<0.25	<0.25	<0.25			
6/23/2004	<0.01	<0.01	<0.01	<0.01			
3/30/2005	<0.01	<0.01	<0.01	<0.01			
4/19/2006	<0.01	<0.01	<0.01	<0.01			
4/23/2007	<0.002	<0.002	<0.002				
4/7/2008	<0.002	<0.002	<0.002				
4/8/2008				<0.002			
6/15/2009	<0.002	<0.002	<0.002	<0.002			
11/16/2009					<0.01	<0.01	<0.01
12/21/2009					<0.01	<0.01	<0.01
1/25/2010					<0.002	<0.002	<0.002
4/13/2010	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
7/14/2010					<0.002	<0.002	<0.002
10/19/2010					<0.002	<0.002	<0.002
3/3/2011					<0.002	<0.002	<0.002
4/19/2011	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
7/20/2011					<0.002	<0.002	<0.002
10/11/2011					<0.002	<0.002	<0.002
2/20/2012					<0.002	<0.002	<0.002
4/23/2012	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
5/15/2013	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
4/21/2014	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
4/13/2015				<0.002	<0.002	<0.002	<0.002
4/14/2015	<0.002	<0.002	<0.002				

Time Series

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 5/11/2015 9:02 AM
Green Valley Client: RSI Data: GREENVALLEY

	MW-1	MW-1A	MW-1B	MW-3	MW-28E	MW-28D	MW-28C
9/25/1992	82			149			
11/9/1992	52	248	359				
1/18/1993		239		155			
1/19/1993	80		313				
4/26/1993	69	223	374	193			
7/19/1993	124	325	333				
7/20/1993				218			
10/19/1993	64	247	292				
10/20/1993				158			
2/8/1994	60	228	248				
2/9/1994				138			
4/18/1994	24	188	256				
4/20/1994				110			
7/13/1994				90			
7/14/1994	4	200	234				
10/18/1994				96			
10/19/1994	52	248	270				
1/11/1995	48	216	296	110			
4/25/1995				126			
4/26/1995	42	198	251				
7/10/1995				98			
7/11/1995	40	224	229				
11/14/1995	68	208		117			
11/15/1995			476				
2/19/1996				125			
2/20/1996	46	220	248				
5/21/1996		250		150			
5/22/1996			294				
6/5/1996	34						
8/19/1996	42	226	264	137			
11/5/1996	30	188	258	90			
1/7/1997	48	38	280	160			
4/8/1997	38	176	254	94			
7/8/1997	66	234	318	88			
10/9/1997	34	162	306	60			
3/19/1998	98	256	344	178			
4/14/1998	12	412	382	94			
9/30/1998		147	416	70			
12/1/1998	308	134	307	39			
3/9/1999	122	158	236	66			
6/22/1999	56	214	379				
9/7/1999		226	367	88			
11/2/1999	45	190	348	98			
1/5/2000	71	230	365	132			
6/19/2000				40			
6/20/2000	24	164	328				
9/6/2000	68	256	432	72			
11/28/2000	80	200	348	92			
1/22/2001	88	232	384	184			
4/2/2001	88	256	392	132			
7/26/2001	72	224	360	84			
10/18/2001	124	224	380				

Time Series

Page 2

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 5/11/2015 9:02 AM
Green Valley Client: RSI Data: GREENVALLEY

	MW-1	MW-1A	MW-1B	MW-3	MW-28E	MW-28D	MW-28C
10/19/2001				100			
1/14/2002	44	204	320				
1/15/2002				64			
4/29/2002	84	244	356				
4/30/2002				120			
9/18/2002	44	228	308	44			
11/19/2002	32	188	328	84			
3/10/2003	48	248	356	96			
4/10/2003	52	228	360	112			
7/22/2003	48	252	356	120			
11/25/2003	28	216	324				
11/26/2003				300			
3/16/2004				340			
3/17/2004	80	264	920				
6/23/2004	92	400	484	88			
9/29/2004	45	220	330	76			
12/27/2004	31	200	340	54			
3/30/2005	60	220	350	120			
6/20/2005	83	240	360	64			
9/27/2005	67	220	330	37			
12/16/2005	61	220	340	42			
1/9/2006	45	200	350	93			
4/19/2006	45	220	350	80			
9/24/2006	62	220	350	140			
12/5/2006	87	260	350	110			
3/14/2007				390			
3/16/2007	26	210	320				
4/23/2007	47	220	290				
9/19/2007	37	220	340	33			
10/30/2007	24	220	350	18			
1/23/2008	<10	220	360	92			
4/7/2008	53	210	400				
4/8/2008				74			
7/9/2008	28	210	350	76			
12/2/2008	79	230	380				
1/7/2009	49	230	380	200			
6/15/2009	46	210	330	82			
8/26/2009	20	230	340	140			
10/20/2009	39	210	380	100	130	230	260
11/16/2009					910	260	250
12/21/2009					150	290	270
1/25/2010	20	190	350	87	150	290	360
4/13/2010	<10	190	330	230	150	290	510
7/14/2010				180	170	390	280
7/15/2010	39	240	350				
10/19/2010	65	230	400	72	200	410	270
3/3/2011	52	240	380	190	200	400	460
4/19/2011	<10	180	350	54	150	400	390
7/20/2011	32	220	360	100	200	440	380
10/11/2011				200	200	440	370
10/12/2011	35	240	340				
2/20/2012	35	220	370	53	210	410	360

Time Series

Page 3

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 5/11/2015 9:02 AM

Green Valley Client: RSI Data: GREENVALLEY

	MW-1	MW-1A	MW-1B	MW-3	MW-28E	MW-28D	MW-28C
4/23/2012	45	230	400	71	210	410	350
9/10/2012	57	230	380	96			
9/14/2012					210	440	420
11/26/2012	59	260	380	290	230	400	430
1/10/2013				190	190	380	380
1/11/2013	29	240	370				
5/15/2013	63	250	380	84	210	400	380
7/17/2013	54	220	350	180	160	370	320
11/6/2013	55	230	360	340	190	430	410
3/12/2014	28	250	390	150	170	430	340
4/21/2014	77	220	360	91	180	420	300
7/8/2014	53	230	360	70	200	460	360
10/29/2014	56	240	390	320	180	450	350
1/7/2015	47	244	383	385	177	460	364
4/13/2015				214	162	474	281
4/14/2015	22	201	341				

Time Series

Constituent: Total Organic Carbon [TOC] (mg/L) Analysis Run 5/11/2015 9:02 AM
Green Valley Client: RSI Data: GREENVALLEY

	MW-1	MW-1A	MW-1B	MW-3	MW-28E	MW-28D	MW-28C
9/25/1992	4.13			1.67			
11/9/1992	1.13	1.13	<1				
1/18/1993		<1		1.39			
1/19/1993	1.11		<1				
4/26/1993	3.38	1.37	1.63	2.13			
7/19/1993	3.6	1.75	1.84				
7/20/1993				1.64			
10/19/1993	2.07	<1	<1				
10/20/1993				2.96			
2/8/1994	1	<1	<1				
2/9/1994				1			
4/18/1994	5.6	5.54	7.99				
4/20/1994				1.59			
7/13/1994				1.71			
7/14/1994	1.41	<1	<1				
10/18/1994				3.24			
10/19/1994	4.85	3.96	2.87				
1/11/1995	2.22	1.61	<1	1.44			
4/25/1995				1.13			
4/26/1995	1.45	2.92	3.33				
7/10/1995				3.59			
7/11/1995	2.67	4.93	2.83				
11/14/1995	2.47	2.66		3.14			
11/15/1995			1.72				
2/19/1996				1.86			
2/20/1996	1.84	1.83	2.61				
5/21/1996		1.39		1.36			
5/22/1996			2.28				
6/5/1996	1.31						
8/19/1996	3	2.86	3.55	3.07			
11/5/1996	1.93	1.66	1.88	1.62			
1/7/1997	<1	<1	<1	<1			
4/8/1997	2.6	2.2	2.5	1.4			
7/8/1997	1.3	1.7	2.1	1.6			
10/9/1997	1.1	1	1.4	1			
3/19/1998	1.4	3.2	3.4	1.7			
4/14/1998	<1	<1	<1	<1			
9/30/1998		2.4	2.7	2			
12/1/1998	2.5	4.5	6	2.9			
3/9/1999	<1	2.6	3.3	1.2			
6/22/1999	1.8	3	5				
9/7/1999		<1	1	1			
11/2/1999	4.1	4.8	6.6	3.1			
1/5/2000	2.8	1.7	3.2	2.3			
6/19/2000				<1			
6/20/2000	<1	<1	<1				
9/6/2000	<1	<1	<1	<1			
11/28/2000	<1	<1	<1	<1			
1/22/2001	1	1	<1	<1			
4/2/2001	2.3	3.8	7.8	1.7			
7/26/2001	2	1.7	1.9	2.3			
10/18/2001	<1	<1	<1				

Time Series

Page 2

Constituent: Total Organic Carbon [TOC] (mg/L) Analysis Run 5/11/2015 9:02 AM
Green Valley Client: RSI Data: GREENVALLEY

	MW-1	MW-1A	MW-1B	MW-3	MW-28E	MW-28D	MW-28C
10/19/2001				3.9			
1/14/2002	1.2	<1	<1				
1/15/2002				<1			
4/29/2002	1.5	2.4	3.8				
4/30/2002				1.5			
9/18/2002	<1	<1	<1	<1			
11/19/2002	6.2	<1	1	1.6			
3/10/2003	<1	<1	1.01	1.64			
4/10/2003	2.15	<1	1.3	1.03			
7/22/2003	1.14	5.52	<1	9.68			
11/25/2003	2.3	<2	<2				
11/26/2003				<2			
3/16/2004				2.8			
3/17/2004	2.4	<1	<1				
6/23/2004	1.7	<1	<1	2.5			
9/29/2004	<1	<1	<1	1.1			
12/27/2004	10	26	38	14			
3/30/2005	<1	<1	<1	<1			
6/20/2005	<1	<1	<1	<1			
9/27/2005	<1	<1	<1	<1			
12/16/2005	<1	<1	<1	1.3			
1/9/2006	<1	<1	<1	<1			
4/19/2006	<1	<1	<1	<1			
9/24/2006	<1	<1	<1	<1			
12/5/2006	<1	<1	<1	1.1			
3/14/2007				<1			
3/16/2007	<1	<1	<1				
4/23/2007	<1	<1	<1				
9/19/2007	<1	<1	<1	1.3			
10/30/2007	<1	<1	<1	1			
1/23/2008	<1	<1	<1	<1			
4/7/2008	<1	<1	<1				
4/8/2008				2.4			
7/9/2008	<1	<1	<1	16			
12/2/2008	1.1	<1	<1				
1/7/2009	1.1	<1	<1	1.3			
6/15/2009	1	<1	<1	2.1			
8/26/2009	<1	<1	<1	1.4			
10/20/2009	<1	<1	<1	<1	<1	1.2	5.9
11/16/2009					1	1.5	1.7
12/21/2009					1.1	1.5	1.6
1/25/2010	<1	<1	<1	1.4	1.2	1.4	1.9
4/13/2010	<1	<1	<1	1.7	1.1	1.5	2.5
7/14/2010				1.8	1.9	1.8	1.9
7/15/2010	1.6	1.1	1.4				
10/19/2010	1.3	1	1.1	1.5	1.5	2.2	7.5
3/3/2011	<1	<1	1	1.5	1.3	1.6	1.8
4/19/2011	1.3	<1	1	1.4	1.3	1.8	1.8
7/20/2011	1.1	<1	<1	1.3	<1	1.7	1.7
10/11/2011				1.5	1	1.6	1.6
10/12/2011	1.3	<1	<1				
2/20/2012	<1	<1	<1	2.7	1.1	1.3	1.6

Time Series

Page 3

Constituent: Total Organic Carbon [TOC] (mg/L) Analysis Run 5/11/2015 9:02 AM

Green Valley Client: RSI Data: GREENVALLEY

	MW-1	MW-1A	MW-1B	MW-3	MW-28E	MW-28D	MW-28C
4/23/2012	<1	<1	<1	1.6	1	1.5	1.5
9/10/2012	1	<1	<1	1.2			
9/14/2012					<1	1.6	1.9
11/26/2012	1.1	<1	1.1	1.6	1.5	1.7	2.8
1/10/2013				1.2	1	1.4	1.9
1/11/2013	<1	<1	<1				
5/15/2013	<1	1	<1	1.4	1.1	1.5	2.2
7/17/2013	1.4	1.1	1.1	1.9	1.3	1.8	2
11/6/2013	<1	<1	<1	1.4	<1	1.4	1.4
3/12/2014	<1	<1	<1	1.2	<1	<1	1.3
4/21/2014	1	<1	<1	1.2	<1	1.2	2.6
7/8/2014	1.3	1.1	1.4	1.8	1.4	2.1	2.2
10/29/2014	1.5	1.3	1.6	2.3	1.3	2.4	2
1/7/2015	<1	<1	<1	<1	<1	<1	<1
4/13/2015				<1	<1	<1	<1
4/14/2015	<1	<1	<1				

Time Series

Constituent: Total Organic Halides (mg/L) Analysis Run 5/11/2015 9:02 AM
Green Valley Client: RSI Data: GREENVALLEY

	MW-1	MW-1A	MW-1B	MW-3	MW-28E	MW-28D	MW-28C
9/25/1992	<0.01			<0.01			
11/9/1992	<0.01	<0.01	<0.01				
1/18/1993		<0.01		0.02			
1/19/1993	<0.01		<0.01				
4/26/1993	<0.01	<0.01	<0.01	<0.01			
7/19/1993	<0.01	0.01	<0.01				
7/20/1993				<0.01			
10/19/1993	<0.01	<0.01	<0.01				
10/20/1993				<0.01			
2/8/1994	<0.01	<0.01	<0.01				
2/9/1994				<0.01			
4/18/1994	<0.01	<0.01	<0.01				
4/20/1994				<0.01			
7/13/1994				0.37			
7/14/1994	0.33	0.16	0.27				
10/18/1994				<0.01			
10/19/1994	<0.01	<0.01	<0.01				
1/11/1995	<0.01	<0.01	<0.01	<0.01			
4/25/1995				<0.01			
4/26/1995	<0.01	<0.01	<0.01				
7/10/1995				<0.01			
7/11/1995	<0.01	<0.01	<0.01				
11/14/1995	<0.01	<0.01		<0.01			
11/15/1995			<0.01				
2/19/1996				<0.01			
2/20/1996	<0.01	<0.01	<0.01				
5/21/1996		<0.01		<0.01			
5/22/1996			<0.01				
6/5/1996	<0.01						
8/19/1996	<0.01	<0.01	<0.01	<0.01			
11/5/1996	0.11	<0.01	<0.01	<0.01			
1/7/1997	<0.01	1.03	0.02	<0.01			
4/8/1997	<0.01	<0.01	<0.01	<0.01			
7/8/1997	<0.01	<0.01	<0.01	<0.01			
10/9/1997	<0.01	0.02	0.03	0.01			
3/19/1998	0.02	<0.01	0.03	0.05			
4/14/1998	<0.01	<0.01	<0.01	<0.01			
9/30/1998		0.01	<0.01	<0.01			
12/1/1998	<0.01	<0.01	0.03	<0.01			
3/9/1999	0.01	0.01	<0.01	<0.01			
6/22/1999	0.08	0.12	0.09				
9/7/1999		<0.01	<0.01	0.02			
11/2/1999	<0.01	<0.01	0.02	<0.01			
1/5/2000	0.02	0.01	0.01	<0.01			
6/19/2000				<0.01			
6/20/2000	<0.01	0.03	0.02				
9/6/2000	0.117	0.08	0.08	0.06			
11/28/2000	0.03	0.02	0.03	0.04			
1/22/2001	<0.01	0.01	<0.01	<0.01			
4/2/2001	<0.01	<0.01	<0.01	<0.01			
7/26/2001	<0.01	<0.01	<0.01	<0.01			
10/18/2001	<0.01	<0.01	<0.01				

Time Series

Page 2

Constituent: Total Organic Halides (mg/L) Analysis Run 5/11/2015 9:02 AM

Green Valley Client: RSI Data: GREENVALLEY

	MW-1	MW-1A	MW-1B	MW-3	MW-28E	MW-28D	MW-28C
10/19/2001				0.03			
1/14/2002	<0.01	<0.01	<0.01				
1/15/2002				<0.01			
4/29/2002	<0.01	<0.01	<0.01				
4/30/2002				<0.01			
9/18/2002	<0.01	<0.01	<0.01	0.13			
11/19/2002	<0.01	0.1	<0.01	0.08			
3/10/2003	<0.01	<0.01	<0.01	<0.01			
4/10/2003	<0.01	<0.01	<0.01	<0.01			
7/22/2003	0.01	0.014	0.012	<0.01			
11/25/2003	0.015	<0.01	<0.01				
11/26/2003				0.061			
3/16/2004				<0.01			
3/17/2004	<0.01	<0.01	<0.01				
6/23/2004	<0.01	<0.01	<0.01	<0.01			
9/29/2004	<0.01	<0.01	<0.01	<0.01			
12/27/2004	<0.01	<0.01	<0.01	<0.01			
3/30/2005	<0.01	<0.01	<0.01	<0.01			
6/20/2005	<0.01	<0.01	<0.01	0.014			
9/27/2005	0.043	0.042	0.086	0.012			
12/16/2005	0.033	<0.01	0.058	0.074			
1/9/2006	0.123	0.081	0.051	0.105			
4/19/2006	0.037	<0.01	<0.01	0.037			
9/24/2006	0.042	0.064	0.034	<0.01			
12/5/2006	<0.01	0.028	<0.01	<0.01			
3/14/2007				<0.01			
3/16/2007	<0.01	<0.01	<0.01				
4/23/2007	<0.01	<0.01	<0.01				
9/19/2007	<0.01	<0.01	0.012	<0.01			
10/30/2007	<0.01	<0.01	0.014	<0.01			
1/23/2008	<0.01	<0.01	0.03	0.012			
4/7/2008	<0.01	<0.01	<0.01				
4/8/2008				0.019			
7/9/2008	<0.01	<0.01	0.026	<0.01			
12/2/2008	<0.01	<0.01	<0.01				
1/7/2009	<0.01	<0.01	<0.01	0.01			
6/15/2009	<0.01	<0.01	<0.01	<0.01			
8/26/2009	<0.01	0.015	0.013	<0.01			
10/20/2009	<0.01	<0.01	0.034	<0.01	<0.01	<0.01	0.012
11/16/2009					<0.01	0.012	0.017
12/21/2009					<0.01	<0.01	0.013
1/25/2010	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.014
4/13/2010	<0.01	<0.01	0.014	0.011	<0.01	<0.01	0.013
7/14/2010				<0.01	<0.01	<0.01	0.017
7/15/2010	<0.01	<0.01	0.027				
10/19/2010	0.012	<0.01	0.075	<0.01	<0.01	0.015	0.031
3/3/2011	<0.01	0.014	0.011	0.012	0.012	0.014	0.022
4/19/2011	<0.01	0.011	0.015	<0.01	0.02	<0.01	<0.01
7/20/2011	<0.01	<0.01	0.017	0.019	0.015	0.034	0.028
10/11/2011				0.021	<0.01	0.01	0.02
10/12/2011	<0.01	0.01	0.013				
2/20/2012	<0.01	<0.01	<0.01	0.012	0.034	0.022	0.019

Time Series

Page 3

Constituent: Total Organic Halides (mg/L) Analysis Run 5/11/2015 9:02 AM
Green Valley Client: RSI Data: GREENVALLEY

	MW-1	MW-1A	MW-1B	MW-3	MW-28E	MW-28D	MW-28C
4/23/2012	0.012	<0.01	0.015	<0.01	<0.01	0.015	0.022
9/10/2012	<0.01	<0.01	0.015	<0.01			
9/14/2012					<0.01	0.011	0.01
11/26/2012	0.012	<0.01	0.016	0.015	<0.01	0.027	0.055
1/10/2013				0.01	<0.01	0.015	0.021
1/11/2013	<0.01	<0.01	0.023				
5/15/2013	<0.01	<0.01	<0.01	<0.01	0.013	0.015	0.02
7/17/2013	<0.01	<0.01	0.018	0.013	<0.01	0.019	0.044
11/6/2013	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
3/12/2014	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
4/21/2014	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.045
7/8/2014	<0.01	<0.01	0.022	<0.01	<0.01	0.011	0.021
10/29/2014	<0.01	0.015	0.026	0.032	<0.01	0.013	0.039
1/7/2015	0.01	<0.01	0.014	<0.01	<0.01	0.033	0.017
4/13/2015				<0.01	<0.01	0.016	<0.01
4/14/2015	<0.01	0.015	0.014				

Time Series

Constituent: Vanadium Total (mg/L) Analysis Run 5/11/2015 9:02 AM

Green Valley Client: RSI Data: GREENVALLEY

	MW-1	MW-1A	MW-1B	MW-3	MW-28E	MW-28D	MW-28C
9/25/1992	<0.25			<0.25			
11/9/1992	<0.25	<0.25	<0.25				
10/18/1994				<0.25			
10/19/1994	<0.25	<0.25	<0.25				
1/11/1995	<0.25	<0.25	<0.25	<0.25			
4/25/1995				<0.25			
4/26/1995	<0.25	<0.25	<0.25				
5/21/1996		<0.25		<0.25			
5/22/1996			<0.25				
6/5/1996	<0.25						
4/8/1997	<0.25	<0.25	<0.25	<0.25			
4/14/1998	<0.25	<0.25	<0.25	<0.25			
6/22/1999	<0.25	<0.25	<0.25				
6/19/2000				<0.25			
6/20/2000	<0.25	<0.25	<0.25				
7/26/2001	<0.25	<0.25	<0.25	<0.25			
4/29/2002	<0.25	<0.25	<0.25				
4/30/2002				<0.25			
4/10/2003	<0.25	<0.25	<0.25	<0.25			
6/23/2004	<0.01	<0.01	<0.01	<0.01			
3/30/2005	<0.01	<0.01	<0.01	<0.01			
4/19/2006	<0.01	<0.01	<0.01	<0.01			
4/23/2007	<0.01	<0.01	<0.01				
4/7/2008	<0.25	<0.25	<0.25				
4/8/2008				<0.25			
6/15/2009	<0.25	<0.25	<0.25	<0.25			
11/16/2009					<0.01	<0.01	<0.01
12/21/2009					<0.01	<0.01	<0.01
1/25/2010					<0.25	<0.25	<0.25
4/13/2010	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
7/14/2010					<0.25	<0.25	<0.25
10/19/2010					<0.25	<0.25	<0.25
3/3/2011					<0.25	<0.25	<0.25
4/19/2011	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
7/20/2011					<0.25	<0.25	<0.25
10/11/2011					<0.25	<0.25	<0.25
2/20/2012					<0.25	<0.25	<0.25
4/23/2012	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
5/15/2013	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
4/21/2014	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
4/13/2015				<0.25	<0.25	<0.25	<0.25
4/14/2015	<0.25	<0.25	<0.25				

Time Series

Constituent: Zinc Total (mg/L) Analysis Run 5/11/2015 9:02 AM

Green Valley Client: RSI Data: GREENVALLEY

	MW-1	MW-1A	MW-1B	MW-3	MW-28E	MW-28D	MW-28C
9/25/1992	0.11			0.15			
11/9/1992	0.01	0.01	0.02				
10/18/1994				<0.01			
10/19/1994	0.02	<0.01	<0.01				
1/11/1995	0.07	<0.01	<0.01	0.07			
4/25/1995				0.07			
4/26/1995	<0.01	0.02	0.1				
5/21/1996		0.01		0.05			
5/22/1996			<0.01				
6/5/1996	<0.01						
4/8/1997	0.01	<0.01	<0.01	0.04			
4/14/1998	0.02	<0.01	<0.01	0.03			
6/22/1999	<0.01	<0.01	<0.01				
6/19/2000				0.03			
6/20/2000	0.07	<0.01	<0.01				
7/26/2001	0.03	0.02	0.03	0.04			
4/29/2002	0.01	<0.01	0.01				
4/30/2002				0.04			
4/10/2003	0.0132	<0.01	0.0885	0.0311			
6/23/2004	<0.02	<0.02	<0.02	0.044			
3/30/2005	<0.02	<0.02	<0.02	0.026			
4/19/2006	<0.02	<0.02	<0.02	0.034			
4/23/2007	<0.02	<0.02	<0.02				
4/7/2008	<0.01	<0.01	<0.01				
4/8/2008				<0.01			
6/15/2009	<0.01	<0.01	<0.01	0.018			
11/16/2009					<0.02	0.038	<0.02
12/21/2009					<0.02	0.027	<0.02
1/25/2010					<0.01	0.033	<0.01
4/13/2010	<0.01	<0.01	<0.01	0.06	<0.01	0.034	0.012
7/14/2010					<0.01	0.024	0.013
10/19/2010					<0.01	0.019	0.037
3/3/2011					<0.01	0.036	0.052
4/19/2011	<0.02	<0.01	<0.01	0.018	<0.01	0.031	0.041
7/20/2011					<0.01	0.021	0.025
10/11/2011					<0.01	0.02	0.043
2/20/2012					<0.01	0.024	0.059
4/23/2012	<0.01	<0.01	<0.01	0.011	<0.01	0.032	0.062
5/15/2013	<0.01	<0.01	<0.01	0.012	<0.01	0.017	0.069
4/21/2014	<0.01	<0.01	<0.01	0.019	<0.01	0.02	0.099
4/13/2015				0.051	<0.01	<0.01	0.047
4/14/2015	<0.01	<0.01	0.016				

APPENDIX C

LABORATORY ANALYTICAL REPORT
&
FIELD INFORMATION LOGS



Pace Analytical Services, Inc.
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May 15, 2015

Environmental Manager
Republic Services, Inc. - Green Valley Landfill
100 Addington Road
Ashland, KY 41102

RE: Project: Green Valley GW 2Q 2015
Pace Project No.: 50116556

Dear Environmental Manager:

Enclosed are the analytical results for sample(s) received by the laboratory between April 14, 2015 and April 15, 2015. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

Some analyses have been subcontracted outside of the Pace Network. The subcontracted laboratory report has been attached.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Chris Sarkan
chris.sarkan@pacelabs.com
Project Manager

Enclosures

cc: Mr. Steve Jett, Jett Environmental Consulting
Mr. Bill Knarr, Kenvirons, Inc.



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CERTIFICATIONS

Project: Green Valley GW 2Q 2015
Pace Project No.: 50116556

Indiana Certification IDs

7726 Moller Road, Indianapolis, IN 46268
Illinois Certification #: 200074
Indiana Certification #: C-49-06
Kansas Certification #: E-10177/ E-10247
Kentucky UST Certification #: 0042
Kentucky VWV Certification #: 98019
Louisiana/NELAP Certification #: 04076

Ohio VAP Certification #: CL-0065
Oklahoma Certification #: 2014-148
Pennsylvania Certification #: 68-05340
Texas Certification #: T104704355-15-8
West Virginia Certification #: 330
Wisconsin Certification #: 999788130
USDA Soil Permit #: P330-10-00128

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SAMPLE SUMMARY

Project: Green Valley GW 2Q 2015
Pace Project No.: 50116556

Lab ID	Sample ID	Matrix	Date Collected	Date Received
50116556001	MW-28D	Water	04/13/15 12:27	04/14/15 11:25
50116556002	MW-28E	Water	04/13/15 13:00	04/14/15 11:25
50116556003	MW-28C	Water	04/13/15 13:20	04/14/15 11:25
50116556004	MW-3	Water	04/13/15 13:55	04/14/15 11:25
50116556005	DUP	Water	04/13/15 08:00	04/14/15 11:25
50116556006	MW-1	Water	04/14/15 09:25	04/15/15 10:25
50116556007	MW-1A	Water	04/14/15 09:52	04/15/15 10:25
50116556008	MW-1B	Water	04/14/15 10:32	04/15/15 10:25
50116556009	FB	Water	04/14/15 09:55	04/15/15 10:25
50116556010	TRIP BLANK	Water	04/14/15 08:00	04/15/15 10:25

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SAMPLE ANALYTE COUNT

Project: Green Valley GW 2Q 2015
Pace Project No.: 50116556

Lab ID	Sample ID	Method	Analysts	Analytes Reported
50116556001	MW-28D	EPA 8011	DMT	3
		EPA 9056	RID	1
		EPA 9056	RID	1
		EPA 6010	JGJ	14
		EPA 6020	CAW	3
		EPA 7470	ILP	1
		EPA 5030B/8260	RFS	51
		SM 2540C	MLS	1
		EPA 410.4	BAL	1
		SM 5310C	BAL	1
		EPA 8011	DMT	3
50116556002	MW-28E	EPA 9056	RID	1
		EPA 9056	RID	1
		EPA 6010	JGJ	14
		EPA 6020	CAW	3
		EPA 7470	ILP	1
		EPA 5030B/8260	RFS	51
		SM 2540C	MLS	1
		EPA 410.4	BAL	1
		SM 5310C	BAL	1
		EPA 8011	DMT	3
		EPA 9056	RID	1
50116556003	MW-28C	EPA 9056	RID	1
		EPA 6010	JGJ	14
		EPA 6020	CAW	3
		EPA 7470	ILP	1
		EPA 5030B/8260	RFS	51
		SM 2540C	MLS	1
		EPA 410.4	BAL	1
		SM 5310C	BAL	1
		EPA 8011	DMT	3
		EPA 9056	RID	1
		EPA 9056	RID	1
50116556004	MW-3	EPA 6010	JGJ	14
		EPA 6020	CAW	3
		EPA 7470	ILP	1
		EPA 5030B/8260	RFS	51
		EPA 8011	DMT	3
		EPA 9056	RID	1
		EPA 9056	RID	1
		EPA 6010	JGJ	14
		EPA 6020	CAW	3
		EPA 7470	ILP	1
		EPA 5030B/8260	RFS	51

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SAMPLE ANALYTE COUNT

Project: Green Valley GW 2Q 2015

Pace Project No.: 50116556

Lab ID	Sample ID	Method	Analysts	Analytes Reported
50116556005	DUP	SM 2540C	MLS	1
		EPA 410.4	BAL	1
		SM 5310C	BAL	1
		EPA 8011	DMT	3
		EPA 9056	RID	1
		EPA 9056	RID	1
		EPA 6010	JGJ	14
		EPA 6020	CAW	3
		EPA 7470	ILP	1
		EPA 5030B/8260	RFS	51
50116556006	MW-1	SM 2540C	MLS	1
		EPA 410.4	BAL	1
		SM 5310C	BAL	1
		EPA 8011	DMT	3
		EPA 9056	RID	1
		EPA 9056	RID	1
		EPA 6010	JPJ	14
		EPA 6020	CAW	3
		EPA 7470	ILP	1
		EPA 5030B/8260	RFS	51
50116556007	MW-1A	SM 2540C	MLS	1
		EPA 410.4	BAL	1
		SM 5310C	BAL	1
		EPA 8011	DMT	3
		EPA 9056	RID	1
		EPA 9056	RID	1
		EPA 6010	JPJ	14
		EPA 6020	CAW	3
		EPA 7470	ILP	1
		EPA 5030B/8260	RFS	51
50116556008	MW-1B	SM 2540C	MLS	1
		EPA 410.4	BAL	1
		SM 5310C	BAL	1
		EPA 8011	DMT	3
		EPA 9056	RID	1

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SAMPLE ANALYTE COUNT

Project: Green Valley GW 2Q 2015
Pace Project No.: 50116556

Lab ID	Sample ID	Method	Analysts	Analytes Reported
50116556009	FB	EPA 6020	CAW	3
		EPA 7470	ILP	1
		EPA 5030B/8260	RFS	51
		SM 2540C	MLS	1
		EPA 410.4	BAL	1
		SM 5310C	BAL	1
		EPA 8011	DMT	3
		EPA 9056	RID	1
		EPA 9056	RID	1
		EPA 6010	JPk	14
		EPA 6020	CAW	3
		EPA 7470	ILP	1
		EPA 5030B/8260	RFS	51
		SM 2540C	MLS	1
50116556010	TRIP BLANK	EPA 410.4	BAL	1
		SM 5310C	BAL	1
		EPA 8011	DMT	3
		EPA 5030B/8260	RFS	51

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SUMMARY OF DETECTION

Project: Green Valley GW 2Q 2015

Pace Project No.: 50116556

Lab Sample ID	Client Sample ID					
Method	Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50116556001	MW-28D					
	Collected Date	04/13/2015	no units		04/13/15 00:00	
	Collected Time	12:05:00	no units		04/13/15 00:00	
	Field pH	6.25	Std. Units		04/13/15 00:00	
	Field Temperature	13.03	deg C		04/13/15 00:00	
	Field Specific Conductance	691	umhos/cm		04/13/15 00:00	
	Elevation Water Level	670.36	ft/msl		04/13/15 00:00	
	Collar Elevation	675.20	ft/msl		04/13/15 00:00	
	Depth to Water	4.84	feet		04/13/15 00:00	
EPA 9056	Nitrate as N	0.097	mg/L	0.050	04/14/15 19:37	
EPA 9056	Chloride	29.5	mg/L	2.5	04/14/15 19:53	
EPA 6010	Barium	0.021	mg/L	0.010	04/22/15 14:10	
EPA 6010	Iron	1.9	mg/L	0.020	04/22/15 14:10	
EPA 6010	Sodium	29.1	mg/L	0.10	04/22/15 14:10	
SM 2540C	Total Dissolved Solids	474	mg/L	10.0	04/15/15 06:04	
50116556002	MW-28E					
	Collected Date	04/13/2015	no units		04/13/15 00:00	
	Collected Time	12:30	no units		04/13/15 00:00	
	Field pH	6.07	Std. Units		04/13/15 00:00	
	Field Temperature	15.37	deg C		04/13/15 00:00	
	Field Specific Conductance	217	umhos/cm		04/13/15 00:00	
	Elevation Water Level	668.63	ft/msl		04/13/15 00:00	
	Collar Elevation	677.00	ft/msl		04/13/15 00:00	
	Depth to Water	8.37	feet		04/13/15 00:00	
EPA 9056	Nitrate as N	0.067	mg/L	0.050	04/14/15 20:09	
EPA 9056	Chloride	1.9	mg/L	0.25	04/14/15 20:09	
EPA 6010	Barium	0.16	mg/L	0.010	04/22/15 14:12	
EPA 6010	Iron	0.23	mg/L	0.020	04/22/15 14:12	
EPA 6010	Sodium	11.2	mg/L	0.10	04/22/15 14:12	
SM 2540C	Total Dissolved Solids	162	mg/L	10.0	04/15/15 06:04	
50116556003	MW-28C					
	Collected Date	04/13/2015	no units		04/13/15 00:00	
	Collected Time	13:02	no units		04/13/15 00:00	
	Field pH	4.65	Std. Units		04/13/15 00:00	
	Field Temperature	13.56	deg C		04/13/15 00:00	
	Field Specific Conductance	310	umhos/cm		04/13/15 00:00	
	Elevation Water Level	670.39	ft/msl		04/13/15 00:00	
	Collar Elevation	674.40	ft/msl		04/13/15 00:00	
	Depth to Water	4.01	feet		04/13/15 00:00	
EPA 9056	Nitrate as N	0.13	mg/L	0.050	04/14/15 20:26	
EPA 9056	Chloride	14.9	mg/L	2.5	04/14/15 20:42	
EPA 6010	Barium	0.017	mg/L	0.010	04/22/15 14:22	
EPA 6010	Iron	3.7	mg/L	0.020	04/22/15 14:22	
EPA 6010	Nickel	0.041	mg/L	0.020	04/22/15 14:22	
EPA 6010	Sodium	13.3	mg/L	0.10	04/22/15 14:22	
EPA 6010	Zinc	0.047	mg/L	0.010	04/22/15 14:22	
SM 2540C	Total Dissolved Solids	281	mg/L	10.0	04/15/15 06:04	

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SUMMARY OF DETECTION

Project: Green Valley GW 2Q 2015
Pace Project No.: 50116556

Lab Sample ID	Client Sample ID					
Method	Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50116556004	MW-3					
	Collected Date	04/13/2015	no units		04/13/15 00:00	
	Collected Time	13:35	no units		04/13/15 00:00	
	Field pH	4.59	Std. Units		04/13/15 00:00	
	Field Temperature	13.79	deg C		04/13/15 00:00	
	Field Specific Conductance	233	umhos/cm		04/13/15 00:00	
	Elevation Water Level	625.97	ft/msl		04/13/15 00:00	
	Collar Elevation	630.80	ft/msl		04/13/15 00:00	
	Depth to Water	4.83	feet		04/13/15 00:00	
EPA 9056	Nitrate as N	0.080	mg/L	0.050	04/14/15 20:58	
EPA 9056	Chloride	11.6	mg/L	2.5	04/14/15 21:15	
EPA 6010	Barium	0.065	mg/L	0.010	04/22/15 14:28	
EPA 6010	Iron	15.4	mg/L	0.020	04/22/15 14:28	
EPA 6010	Nickel	0.042	mg/L	0.020	04/22/15 14:28	
EPA 6010	Sodium	9.2	mg/L	0.10	04/22/15 14:28	
EPA 6010	Zinc	0.051	mg/L	0.010	04/22/15 14:28	
EPA 6020	Arsenic	0.0021	mg/L	0.0010	04/20/15 20:38	
SM 2540C	Total Dissolved Solids	214	mg/L	10.0	04/15/15 06:04	
50116556005	DUP					
EPA 9056	Nitrate as N	0.085	mg/L	0.050	04/14/15 21:31	
EPA 9056	Chloride	11.2	mg/L	2.5	04/14/15 21:47	
EPA 6010	Barium	0.059	mg/L	0.010	04/22/15 14:30	
EPA 6010	Iron	13.3	mg/L	0.020	04/22/15 14:30	
EPA 6010	Nickel	0.037	mg/L	0.020	04/22/15 14:30	
EPA 6010	Sodium	9.1	mg/L	0.10	04/22/15 14:30	
EPA 6010	Zinc	0.041	mg/L	0.010	04/22/15 14:30	
EPA 6020	Arsenic	0.0019	mg/L	0.0010	04/20/15 20:41	
SM 2540C	Total Dissolved Solids	169	mg/L	10.0	04/15/15 06:05	
50116556006	MW-1					
	Collected Date	04/14/2015	no units		04/14/15 00:00	
	Collected Time	09:05	no units		04/14/15 00:00	
	Field pH	7.15	Std. Units		04/14/15 00:00	
	Field Temperature	9.88	deg C		04/14/15 00:00	
	Field Specific Conductance	61	umhos/cm		04/14/15 00:00	
	Elevation Water Level	615.71	ft/msl		04/14/15 00:00	
	Collar Elevation	617.80	ft/msl		04/14/15 00:00	
	Depth to Water	2.09	feet		04/14/15 00:00	
EPA 9056	Nitrate as N	0.093	mg/L	0.050	04/15/15 20:30	
EPA 9056	Chloride	1.2	mg/L	0.25	04/15/15 20:30	
EPA 6010	Barium	0.019	mg/L	0.010	04/22/15 22:40	
EPA 6010	Iron	0.18	mg/L	0.020	04/22/15 22:40	
EPA 6010	Sodium	1.7	mg/L	0.10	04/22/15 22:40	
SM 2540C	Total Dissolved Solids	22	mg/L	10.0	04/20/15 09:10	
50116556007	MW-1A					
	Collected Date	04/14/2015	no units		04/14/15 00:00	
	Collected Time	09:35	no units		04/14/15 00:00	
	Field pH	6.99	Std. Units		04/14/15 00:00	

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SUMMARY OF DETECTION

Project: Green Valley GW 2Q 2015

Pace Project No.: 50116556

Lab Sample ID	Client Sample ID					
Method	Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50116556007	MW-1A					
	Field Temperature	11.40	deg C		04/14/15 00:00	
	Field Specific Conductance	252	umhos/cm		04/14/15 00:00	
	Elevation Water Level	618.60	ft/msl		04/14/15 00:00	
	Collar Elevation	618.60	ft/msl		04/14/15 00:00	
	Depth to Water	0.0	feet		04/14/15 00:00	
EPA 9056	Nitrate as N	0.21	mg/L	0.050	04/15/15 21:19	
EPA 9056	Chloride	3.3	mg/L	0.25	04/15/15 21:19	
EPA 6010	Barium	0.051	mg/L	0.010	04/22/15 22:42	
EPA 6010	Iron	1.6	mg/L	0.020	04/22/15 22:42	
EPA 6010	Sodium	19.6	mg/L	0.10	04/22/15 22:42	
SM 2540C	Total Dissolved Solids	201	mg/L	10.0	04/20/15 09:16	
50116556008	MW-1B					
	Collected Date	04/14/2015	no units		04/14/15 00:00	
	Collected Time	10:10	no units		04/14/15 00:00	
	Field pH	7.61	Std. Units		04/14/15 00:00	
	Field Temperature	11.29	deg C		04/14/15 00:00	
	Field Specific Conductance	494	umhos/cm		04/14/15 00:00	
	Elevation Water Level	613.86	ft/msl		04/14/15 00:00	
	Collar Elevation	618.70	ft/msl		04/14/15 00:00	
	Depth to Water	4.84	feet		04/14/15 00:00	
EPA 9056	Nitrate as N	0.47	mg/L	0.050	04/15/15 21:35	
EPA 9056	Chloride	35.0	mg/L	2.5	04/15/15 21:52	
EPA 6010	Barium	0.055	mg/L	0.010	04/22/15 22:45	
EPA 6010	Iron	0.051	mg/L	0.020	04/22/15 22:45	
EPA 6010	Sodium	120	mg/L	0.10	04/22/15 22:45	
EPA 6010	Zinc	0.016	mg/L	0.010	04/22/15 22:45	
SM 2540C	Total Dissolved Solids	341	mg/L	10.0	04/20/15 09:16	
50116556009	FB					
EPA 6010	Iron	0.021	mg/L	0.020	04/22/15 22:47	
EPA 6010	Zinc	0.046	mg/L	0.010	04/22/15 22:47	

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ANALYTICAL RESULTS

Project: Green Valley GW 2Q 2015
Pace Project No.: 50116556

Sample: MW-28D		Lab ID: 50116556001		Collected: 04/13/15 12:27		Received: 04/14/15 11:25		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
Field Data									
		Analytical Method:							
Collected Date	04/13/2015	no units		1		04/13/15 00:00			
Collected Time	12:05:00	no units		1		04/13/15 00:00			
Field pH	6.25	Std. Units		1		04/13/15 00:00			
Field Temperature	13.03	deg C		1		04/13/15 00:00			
Field Specific Conductance	691	umhos/cm		1		04/13/15 00:00			
Elevation Water Level	670.36	ft/msl		1		04/13/15 00:00			
Collar Elevation	675.20	ft/msl		1		04/13/15 00:00			
Depth to Water	4.84	feet		1		04/13/15 00:00			
8011 GCS EDB and DBCP									
		Analytical Method: EPA 8011 Preparation Method: EPA 8011							
1,2-Dibromo-3-chloropropane	ND	mg/L	0.00020	1	04/23/15 18:55	04/23/15 22:04	96-12-8		
1,2-Dibromoethane (EDB)	ND	mg/L	0.000050	1	04/23/15 18:55	04/23/15 22:04	106-93-4		
Surrogates									
4-Bromofluorobenzene (S)	90	%	50-150	1	04/23/15 18:55	04/23/15 22:04	460-00-4		
9056 IC Anions 48hr									
		Analytical Method: EPA 9056							
Nitrate as N	0.097	mg/L	0.050	1		04/14/15 19:37	14797-55-8		
9056 IC Anions									
		Analytical Method: EPA 9056							
Chloride	29.5	mg/L	2.5	10		04/14/15 19:53	16887-00-6		
6010 MET ICP									
		Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Antimony	ND	mg/L	0.0060	1	04/17/15 08:03	04/22/15 14:10	7440-36-0	1d	
Barium	0.021	mg/L	0.010	1	04/17/15 08:03	04/22/15 14:10	7440-39-3		
Beryllium	ND	mg/L	0.010	1	04/17/15 08:03	04/22/15 14:10	7440-41-7		
Cadmium	ND	mg/L	0.0050	1	04/17/15 08:03	04/22/15 14:10	7440-43-9		
Chromium	ND	mg/L	0.020	1	04/17/15 08:03	04/22/15 14:10	7440-47-3		
Cobalt	ND	mg/L	0.020	1	04/17/15 08:03	04/22/15 14:10	7440-48-4		
Copper	ND	mg/L	0.010	1	04/17/15 08:03	04/22/15 14:10	7440-50-8		
Iron	1.9	mg/L	0.020	1	04/17/15 08:03	04/22/15 14:10	7439-89-6		
Lead	ND	mg/L	0.030	1	04/17/15 08:03	04/22/15 14:10	7439-92-1		
Nickel	ND	mg/L	0.020	1	04/17/15 08:03	04/22/15 14:10	7440-02-0		
Silver	ND	mg/L	0.010	1	04/17/15 08:03	04/22/15 14:10	7440-22-4		
Sodium	29.1	mg/L	0.10	1	04/17/15 08:03	04/22/15 14:10	7440-23-5		
Vanadium	ND	mg/L	0.25	1	04/17/15 08:03	04/22/15 14:10	7440-62-2		
Zinc	ND	mg/L	0.010	1	04/17/15 08:03	04/22/15 14:10	7440-66-6		
6020 MET ICPMS									
		Analytical Method: EPA 6020 Preparation Method: EPA 200.2							
Arsenic	ND	mg/L	0.0010	1	04/16/15 09:00	04/20/15 20:14	7440-38-2		
Selenium	ND	mg/L	0.0010	1	04/16/15 09:00	04/20/15 20:14	7782-49-2		
Thallium	ND	mg/L	0.0020	1	04/16/15 09:00	04/20/15 20:14	7440-28-0		
7470 Mercury									
		Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	04/21/15 11:10	04/22/15 09:25	7439-97-6		

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ANALYTICAL RESULTS

Project: Green Valley GW 2Q 2015

Pace Project No.: 50116556

Sample: MW-28D		Lab ID: 50116556001	Collected: 04/13/15 12:27	Received: 04/14/15 11:25	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level		Analytical Method: EPA 5030B/8260						
Acetone	ND	mg/L	0.099	1		04/21/15 13:44	67-64-1	
Acrolein	ND	mg/L	0.060	1		04/21/15 13:44	107-02-8	
Acrylonitrile	ND	mg/L	0.060	1		04/21/15 13:44	107-13-1	
Benzene	ND	mg/L	0.0050	1		04/21/15 13:44	71-43-2	
Bromochloromethane	ND	mg/L	0.0050	1		04/21/15 13:44	74-97-5	
Bromodichloromethane	ND	mg/L	0.0050	1		04/21/15 13:44	75-27-4	
Bromoform	ND	mg/L	0.0050	1		04/21/15 13:44	75-25-2	
Bromomethane	ND	mg/L	0.0050	1		04/21/15 13:44	74-83-9	
2-Butanone (MEK)	ND	mg/L	0.099	1		04/21/15 13:44	78-93-3	
Carbon disulfide	ND	mg/L	0.099	1		04/21/15 13:44	75-15-0	
Carbon tetrachloride	ND	mg/L	0.0050	1		04/21/15 13:44	56-23-5	
Chlorobenzene	ND	mg/L	0.0050	1		04/21/15 13:44	108-90-7	
Chloroethane	ND	mg/L	0.0050	1		04/21/15 13:44	75-00-3	
Chloroform	ND	mg/L	0.0050	1		04/21/15 13:44	67-66-3	
Chloromethane	ND	mg/L	0.0050	1		04/21/15 13:44	74-87-3	
1,2-Dibromo-3-chloropropane	ND	mg/L	0.0050	1		04/21/15 13:44	96-12-8	
Dibromochloromethane	ND	mg/L	0.0050	1		04/21/15 13:44	124-48-1	
1,2-Dibromoethane (EDB)	ND	mg/L	0.0010	1		04/21/15 13:44	106-93-4	
Dibromomethane	ND	mg/L	0.0050	1		04/21/15 13:44	74-95-3	
1,2-Dichlorobenzene	ND	mg/L	0.0050	1		04/21/15 13:44	95-50-1	
1,4-Dichlorobenzene	ND	mg/L	0.0050	1		04/21/15 13:44	106-46-7	
trans-1,4-Dichloro-2-butene	ND	mg/L	0.099	1		04/21/15 13:44	110-57-6	
1,1-Dichloroethane	ND	mg/L	0.0050	1		04/21/15 13:44	75-34-3	
1,2-Dichloroethane	ND	mg/L	0.0050	1		04/21/15 13:44	107-06-2	
1,1-Dichloroethene	ND	mg/L	0.0050	1		04/21/15 13:44	75-35-4	
cis-1,2-Dichloroethene	ND	mg/L	0.0050	1		04/21/15 13:44	156-59-2	
trans-1,2-Dichloroethene	ND	mg/L	0.0050	1		04/21/15 13:44	156-60-5	
1,2-Dichloropropane	ND	mg/L	0.0050	1		04/21/15 13:44	78-87-5	
cis-1,3-Dichloropropene	ND	mg/L	0.0050	1		04/21/15 13:44	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/L	0.0050	1		04/21/15 13:44	10061-02-6	
Ethylbenzene	ND	mg/L	0.0050	1		04/21/15 13:44	100-41-4	
2-Hexanone	ND	mg/L	0.050	1		04/21/15 13:44	591-78-6	
Iodomethane	ND	mg/L	0.0050	1		04/21/15 13:44	74-88-4	
Methylene Chloride	ND	mg/L	0.0050	1		04/21/15 13:44	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/L	0.050	1		04/21/15 13:44	108-10-1	
Styrene	ND	mg/L	0.0050	1		04/21/15 13:44	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/L	0.0050	1		04/21/15 13:44	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/L	0.0050	1		04/21/15 13:44	79-34-5	
Tetrachloroethene	ND	mg/L	0.0050	1		04/21/15 13:44	127-18-4	
Toluene	ND	mg/L	0.0050	1		04/21/15 13:44	108-88-3	
1,1,1-Trichloroethane	ND	mg/L	0.0050	1		04/21/15 13:44	71-55-6	
1,1,2-Trichloroethane	ND	mg/L	0.0050	1		04/21/15 13:44	79-00-5	
Trichloroethene	ND	mg/L	0.0050	1		04/21/15 13:44	79-01-6	
Trichlorofluoromethane	ND	mg/L	0.0050	1		04/21/15 13:44	75-69-4	
1,2,3-Trichloropropane	ND	mg/L	0.0050	1		04/21/15 13:44	96-18-4	
Vinyl acetate	ND	mg/L	0.0050	1		04/21/15 13:44	108-05-4	
Vinyl chloride	ND	mg/L	0.0020	1		04/21/15 13:44	75-01-4	

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ANALYTICAL RESULTS

Project: Green Valley GW 2Q 2015
Pace Project No.: 50116556

Sample: MW-28D Lab ID: 50116556001 Collected: 04/13/15 12:27 Received: 04/14/15 11:25 Matrix: Water								
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Analytical Method: EPA 5030B/8260								
Xylene (Total)	ND	mg/L	0.0050	1		04/21/15 13:44	1330-20-7	
Surrogates								
4-Bromofluorobenzene (S)	95	%	80-114	1		04/21/15 13:44	460-00-4	
Dibromofluoromethane (S)	100	%	79-116	1		04/21/15 13:44	1868-53-7	
Toluene-d8 (S)	100	%	81-110	1		04/21/15 13:44	2037-26-5	
2540C Total Dissolved Solids Analytical Method: SM 2540C								
Total Dissolved Solids	474	mg/L	10.0	1		04/15/15 06:04		
410.4 COD Analytical Method: EPA 410.4 Preparation Method: EPA 410.4								
Chemical Oxygen Demand	ND	mg/L	10.0	1	04/20/15 15:00	04/21/15 09:13		
5310C TOC Analytical Method: SM 5310C								
Total Organic Carbon	ND	mg/L	1.0	1		04/17/15 19:06	7440-44-0	

Sample: MW-28E Lab ID: 50116556002 Collected: 04/13/15 13:00 Received: 04/14/15 11:25 Matrix: Water								
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Field Data Analytical Method:								
Collected Date	04/13/2015	no units		1		04/13/15 00:00		
Collected Time	12:30	no units		1		04/13/15 00:00		
Field pH	6.07	Std. Units		1		04/13/15 00:00		
Field Temperature	15.37	deg C		1		04/13/15 00:00		
Field Specific Conductance	217	umhos/cm		1		04/13/15 00:00		
Elevation Water Level	668.63	ft/msl		1		04/13/15 00:00		
Collar Elevation	677.00	ft/msl		1		04/13/15 00:00		
Depth to Water	8.37	feet		1		04/13/15 00:00		
8011 GCS EDB and DBCP Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromo-3-chloropropane	ND	mg/L	0.00020	1	04/23/15 18:55	04/23/15 22:26	96-12-8	
1,2-Dibromoethane (EDB)	ND	mg/L	0.000050	1	04/23/15 18:55	04/23/15 22:26	106-93-4	
Surrogates								
4-Bromofluorobenzene (S)	88	%	50-150	1	04/23/15 18:55	04/23/15 22:26	460-00-4	
9056 IC Anions 48hr Analytical Method: EPA 9056								
Nitrate as N	0.067	mg/L	0.050	1		04/14/15 20:09	14797-55-8	
9056 IC Anions Analytical Method: EPA 9056								
Chloride	1.9	mg/L	0.25	1		04/14/15 20:09	16887-00-6	
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Antimony	ND	mg/L	0.0060	1	04/17/15 08:03	04/22/15 14:12	7440-36-0	1d
Barium	0.16	mg/L	0.010	1	04/17/15 08:03	04/22/15 14:12	7440-39-3	
Beryllium	ND	mg/L	0.010	1	04/17/15 08:03	04/22/15 14:12	7440-41-7	

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ANALYTICAL RESULTS

Project: Green Valley GW 2Q 2015
Pace Project No.: 50116556

Sample: MW-28E		Lab ID: 50116556002		Collected: 04/13/15 13:00		Received: 04/14/15 11:25		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Cadmium	ND	mg/L	0.0050	1	04/17/15 08:03	04/22/15 14:12	7440-43-9		
Chromium	ND	mg/L	0.020	1	04/17/15 08:03	04/22/15 14:12	7440-47-3		
Cobalt	ND	mg/L	0.020	1	04/17/15 08:03	04/22/15 14:12	7440-48-4		
Copper	ND	mg/L	0.010	1	04/17/15 08:03	04/22/15 14:12	7440-50-8		
Iron	0.23	mg/L	0.020	1	04/17/15 08:03	04/22/15 14:12	7439-89-6		
Lead	ND	mg/L	0.030	1	04/17/15 08:03	04/22/15 14:12	7439-92-1		
Nickel	ND	mg/L	0.020	1	04/17/15 08:03	04/22/15 14:12	7440-02-0		
Silver	ND	mg/L	0.010	1	04/17/15 08:03	04/22/15 14:12	7440-22-4		
Sodium	11.2	mg/L	0.10	1	04/17/15 08:03	04/22/15 14:12	7440-23-5		
Vanadium	ND	mg/L	0.25	1	04/17/15 08:03	04/22/15 14:12	7440-62-2		
Zinc	ND	mg/L	0.010	1	04/17/15 08:03	04/22/15 14:12	7440-66-6		
6020 MET ICPMS		Analytical Method: EPA 6020 Preparation Method: EPA 200.2							
Arsenic	ND	mg/L	0.0010	1	04/16/15 09:00	04/20/15 20:18	7440-38-2		
Selenium	ND	mg/L	0.0010	1	04/16/15 09:00	04/20/15 20:18	7782-49-2		
Thallium	ND	mg/L	0.0020	1	04/16/15 09:00	04/20/15 20:18	7440-28-0		
7470 Mercury		Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	04/21/15 11:10	04/22/15 09:27	7439-97-6		
8260 MSV Low Level		Analytical Method: EPA 5030B/8260							
Acetone	ND	mg/L	0.099	1		04/21/15 18:54	67-64-1		
Acrolein	ND	mg/L	0.060	1		04/21/15 18:54	107-02-8		
Acrylonitrile	ND	mg/L	0.060	1		04/21/15 18:54	107-13-1		
Benzene	ND	mg/L	0.0050	1		04/21/15 18:54	71-43-2		
Bromochloromethane	ND	mg/L	0.0050	1		04/21/15 18:54	74-97-5		
Bromodichloromethane	ND	mg/L	0.0050	1		04/21/15 18:54	75-27-4		
Bromoform	ND	mg/L	0.0050	1		04/21/15 18:54	75-25-2		
Bromomethane	ND	mg/L	0.0050	1		04/21/15 18:54	74-83-9		
2-Butanone (MEK)	ND	mg/L	0.099	1		04/21/15 18:54	78-93-3		
Carbon disulfide	ND	mg/L	0.099	1		04/21/15 18:54	75-15-0		
Carbon tetrachloride	ND	mg/L	0.0050	1		04/21/15 18:54	56-23-5		
Chlorobenzene	ND	mg/L	0.0050	1		04/21/15 18:54	108-90-7		
Chloroethane	ND	mg/L	0.0050	1		04/21/15 18:54	75-00-3		
Chloroform	ND	mg/L	0.0050	1		04/21/15 18:54	67-66-3		
Chloromethane	ND	mg/L	0.0050	1		04/21/15 18:54	74-87-3		
1,2-Dibromo-3-chloropropane	ND	mg/L	0.0050	1		04/21/15 18:54	96-12-8		
Dibromochloromethane	ND	mg/L	0.0050	1		04/21/15 18:54	124-48-1		
1,2-Dibromoethane (EDB)	ND	mg/L	0.0010	1		04/21/15 18:54	106-93-4		
Dibromomethane	ND	mg/L	0.0050	1		04/21/15 18:54	74-95-3		
1,2-Dichlorobenzene	ND	mg/L	0.0050	1		04/21/15 18:54	95-50-1		
1,4-Dichlorobenzene	ND	mg/L	0.0050	1		04/21/15 18:54	106-46-7		
trans-1,4-Dichloro-2-butene	ND	mg/L	0.099	1		04/21/15 18:54	110-57-6		
1,1-Dichloroethane	ND	mg/L	0.0050	1		04/21/15 18:54	75-34-3		
1,2-Dichloroethane	ND	mg/L	0.0050	1		04/21/15 18:54	107-06-2		
1,1-Dichloroethene	ND	mg/L	0.0050	1		04/21/15 18:54	75-35-4		

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ANALYTICAL RESULTS

Project: Green Valley GW 2Q 2015
Pace Project No.: 50116556

Sample: MW-28E		Lab ID: 50116556002		Collected: 04/13/15 13:00		Received: 04/14/15 11:25		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
8260 MSV Low Level		Analytical Method: EPA 5030B/8260							
cis-1,2-Dichloroethene	ND	mg/L	0.0050	1		04/21/15 18:54	156-59-2		
trans-1,2-Dichloroethene	ND	mg/L	0.0050	1		04/21/15 18:54	156-60-5		
1,2-Dichloropropane	ND	mg/L	0.0050	1		04/21/15 18:54	78-87-5		
cis-1,3-Dichloropropene	ND	mg/L	0.0050	1		04/21/15 18:54	10061-01-5		
trans-1,3-Dichloropropene	ND	mg/L	0.0050	1		04/21/15 18:54	10061-02-6		
Ethylbenzene	ND	mg/L	0.0050	1		04/21/15 18:54	100-41-4		
2-Hexanone	ND	mg/L	0.050	1		04/21/15 18:54	591-78-6		
Iodomethane	ND	mg/L	0.0050	1		04/21/15 18:54	74-88-4		
Methylene Chloride	ND	mg/L	0.0050	1		04/21/15 18:54	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	mg/L	0.050	1		04/21/15 18:54	108-10-1		
Styrene	ND	mg/L	0.0050	1		04/21/15 18:54	100-42-5		
1,1,1,2-Tetrachloroethane	ND	mg/L	0.0050	1		04/21/15 18:54	630-20-6		
1,1,2,2-Tetrachloroethane	ND	mg/L	0.0050	1		04/21/15 18:54	79-34-5		
Tetrachloroethene	ND	mg/L	0.0050	1		04/21/15 18:54	127-18-4		
Toluene	ND	mg/L	0.0050	1		04/21/15 18:54	108-88-3		
1,1,1-Trichloroethane	ND	mg/L	0.0050	1		04/21/15 18:54	71-55-6		
1,1,2-Trichloroethane	ND	mg/L	0.0050	1		04/21/15 18:54	79-00-5		
Trichloroethene	ND	mg/L	0.0050	1		04/21/15 18:54	79-01-6		
Trichlorofluoromethane	ND	mg/L	0.0050	1		04/21/15 18:54	75-69-4		
1,2,3-Trichloropropane	ND	mg/L	0.0050	1		04/21/15 18:54	96-18-4		
Vinyl acetate	ND	mg/L	0.0050	1		04/21/15 18:54	108-05-4		
Vinyl chloride	ND	mg/L	0.0020	1		04/21/15 18:54	75-01-4		
Xylene (Total)	ND	mg/L	0.0050	1		04/21/15 18:54	1330-20-7		
Surrogates									
4-Bromofluorobenzene (S)	100	%	80-114	1		04/21/15 18:54	460-00-4		
Dibromofluoromethane (S)	101	%	79-116	1		04/21/15 18:54	1868-53-7		
Toluene-d8 (S)	103	%	81-110	1		04/21/15 18:54	2037-26-5		
2540C Total Dissolved Solids		Analytical Method: SM 2540C							
Total Dissolved Solids	162	mg/L	10.0	1		04/15/15 06:04			
410.4 COD		Analytical Method: EPA 410.4 Preparation Method: EPA 410.4							
Chemical Oxygen Demand	ND	mg/L	10.0	1	04/20/15 15:00	04/21/15 09:13			
5310C TOC		Analytical Method: SM 5310C							
Total Organic Carbon	ND	mg/L	1.0	1		04/17/15 19:06	7440-44-0		

Sample: MW-28C		Lab ID: 50116556003		Collected: 04/13/15 13:20		Received: 04/14/15 11:25		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Field Data		Analytical Method:							
Collected Date	04/13/2015	no units			1		04/13/15 00:00		
Collected Time	13:02	no units			1		04/13/15 00:00		
Field pH	4.65	Std. Units			1		04/13/15 00:00		

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ANALYTICAL RESULTS

Project: Green Valley GW 2Q 2015

Pace Project No.: 50116556

Sample: MW-28C		Lab ID: 50116556003		Collected: 04/13/15 13:20		Received: 04/14/15 11:25		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
Field Data		Analytical Method:							
Field Temperature	13.56	deg C		1		04/13/15 00:00			
Field Specific Conductance	310	umhos/cm		1		04/13/15 00:00			
Elevation Water Level	670.39	ft/msl		1		04/13/15 00:00			
Collar Elevation	674.40	ft/msl		1		04/13/15 00:00			
Depth to Water	4.01	feet		1		04/13/15 00:00			
8011 GCS EDB and DBCP		Analytical Method: EPA 8011 Preparation Method: EPA 8011							
1,2-Dibromo-3-chloropropane	ND	mg/L	0.00020	1	04/23/15 18:55	04/23/15 22:34	96-12-8		
1,2-Dibromoethane (EDB)	ND	mg/L	0.000050	1	04/23/15 18:55	04/23/15 22:34	106-93-4		
Surrogates									
4-Bromofluorobenzene (S)	102	%	50-150	1	04/23/15 18:55	04/23/15 22:34	460-00-4		
9056 IC Anions 48hr		Analytical Method: EPA 9056							
Nitrate as N	0.13	mg/L	0.050	1		04/14/15 20:26	14797-55-8		
9056 IC Anions		Analytical Method: EPA 9056							
Chloride	14.9	mg/L	2.5	10		04/14/15 20:42	16887-00-6		
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Antimony	ND	mg/L	0.0060	1	04/17/15 08:03	04/22/15 14:22	7440-36-0	1d	
Barium	0.017	mg/L	0.010	1	04/17/15 08:03	04/22/15 14:22	7440-39-3		
Beryllium	ND	mg/L	0.010	1	04/17/15 08:03	04/22/15 14:22	7440-41-7		
Cadmium	ND	mg/L	0.0050	1	04/17/15 08:03	04/22/15 14:22	7440-43-9		
Chromium	ND	mg/L	0.020	1	04/17/15 08:03	04/22/15 14:22	7440-47-3		
Cobalt	ND	mg/L	0.020	1	04/17/15 08:03	04/22/15 14:22	7440-48-4		
Copper	ND	mg/L	0.010	1	04/17/15 08:03	04/22/15 14:22	7440-50-8		
Iron	3.7	mg/L	0.020	1	04/17/15 08:03	04/22/15 14:22	7439-89-6		
Lead	ND	mg/L	0.030	1	04/17/15 08:03	04/22/15 14:22	7439-92-1		
Nickel	0.041	mg/L	0.020	1	04/17/15 08:03	04/22/15 14:22	7440-02-0		
Silver	ND	mg/L	0.010	1	04/17/15 08:03	04/22/15 14:22	7440-22-4		
Sodium	13.3	mg/L	0.10	1	04/17/15 08:03	04/22/15 14:22	7440-23-5		
Vanadium	ND	mg/L	0.25	1	04/17/15 08:03	04/22/15 14:22	7440-62-2		
Zinc	0.047	mg/L	0.010	1	04/17/15 08:03	04/22/15 14:22	7440-66-6		
6020 MET ICPMS		Analytical Method: EPA 6020 Preparation Method: EPA 200.2							
Arsenic	ND	mg/L	0.0010	1	04/16/15 09:00	04/20/15 20:22	7440-38-2		
Selenium	ND	mg/L	0.0010	1	04/16/15 09:00	04/20/15 20:22	7782-49-2		
Thallium	ND	mg/L	0.0020	1	04/16/15 09:00	04/20/15 20:22	7440-28-0		
7470 Mercury		Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	04/21/15 11:10	04/22/15 09:29	7439-97-6		
8260 MSV Low Level		Analytical Method: EPA 5030B/8260							
Acetone	ND	mg/L	0.099	1		04/21/15 14:36	67-64-1		
Acrolein	ND	mg/L	0.060	1		04/21/15 14:36	107-02-8		
Acrylonitrile	ND	mg/L	0.060	1		04/21/15 14:36	107-13-1		

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ANALYTICAL RESULTS

Project: Green Valley GW 2Q 2015

Pace Project No.: 50116556

Sample: MW-28C		Lab ID: 50116556003		Collected: 04/13/15 13:20		Received: 04/14/15 11:25		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
8260 MSV Low Level		Analytical Method: EPA 5030B/8260							
Benzene	ND	mg/L	0.0050	1		04/21/15 14:36	71-43-2		
Bromochloromethane	ND	mg/L	0.0050	1		04/21/15 14:36	74-97-5		
Bromodichloromethane	ND	mg/L	0.0050	1		04/21/15 14:36	75-27-4		
Bromoform	ND	mg/L	0.0050	1		04/21/15 14:36	75-25-2		
Bromomethane	ND	mg/L	0.0050	1		04/21/15 14:36	74-83-9		
2-Butanone (MEK)	ND	mg/L	0.099	1		04/21/15 14:36	78-93-3		
Carbon disulfide	ND	mg/L	0.099	1		04/21/15 14:36	75-15-0		
Carbon tetrachloride	ND	mg/L	0.0050	1		04/21/15 14:36	56-23-5		
Chlorobenzene	ND	mg/L	0.0050	1		04/21/15 14:36	108-90-7		
Chloroethane	ND	mg/L	0.0050	1		04/21/15 14:36	75-00-3		
Chloroform	ND	mg/L	0.0050	1		04/21/15 14:36	67-66-3		
Chloromethane	ND	mg/L	0.0050	1		04/21/15 14:36	74-87-3		
1,2-Dibromo-3-chloropropane	ND	mg/L	0.0050	1		04/21/15 14:36	96-12-8		
Dibromochloromethane	ND	mg/L	0.0050	1		04/21/15 14:36	124-48-1		
1,2-Dibromoethane (EDB)	ND	mg/L	0.0010	1		04/21/15 14:36	106-93-4		
Dibromomethane	ND	mg/L	0.0050	1		04/21/15 14:36	74-95-3		
1,2-Dichlorobenzene	ND	mg/L	0.0050	1		04/21/15 14:36	95-50-1		
1,4-Dichlorobenzene	ND	mg/L	0.0050	1		04/21/15 14:36	106-46-7		
trans-1,4-Dichloro-2-butene	ND	mg/L	0.099	1		04/21/15 14:36	110-57-6		
1,1-Dichloroethane	ND	mg/L	0.0050	1		04/21/15 14:36	75-34-3		
1,2-Dichloroethane	ND	mg/L	0.0050	1		04/21/15 14:36	107-06-2		
1,1-Dichloroethene	ND	mg/L	0.0050	1		04/21/15 14:36	75-35-4		
cis-1,2-Dichloroethene	ND	mg/L	0.0050	1		04/21/15 14:36	156-59-2		
trans-1,2-Dichloroethene	ND	mg/L	0.0050	1		04/21/15 14:36	156-60-5		
1,2-Dichloropropane	ND	mg/L	0.0050	1		04/21/15 14:36	78-87-5		
cis-1,3-Dichloropropene	ND	mg/L	0.0050	1		04/21/15 14:36	10061-01-5		
trans-1,3-Dichloropropene	ND	mg/L	0.0050	1		04/21/15 14:36	10061-02-6		
Ethylbenzene	ND	mg/L	0.0050	1		04/21/15 14:36	100-41-4		
2-Hexanone	ND	mg/L	0.050	1		04/21/15 14:36	591-78-6		
Iodomethane	ND	mg/L	0.0050	1		04/21/15 14:36	74-88-4		
Methylene Chloride	ND	mg/L	0.0050	1		04/21/15 14:36	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	mg/L	0.050	1		04/21/15 14:36	108-10-1		
Styrene	ND	mg/L	0.0050	1		04/21/15 14:36	100-42-5		
1,1,1,2-Tetrachloroethane	ND	mg/L	0.0050	1		04/21/15 14:36	630-20-6		
1,1,2,2-Tetrachloroethane	ND	mg/L	0.0050	1		04/21/15 14:36	79-34-5		
Tetrachloroethene	ND	mg/L	0.0050	1		04/21/15 14:36	127-18-4		
Toluene	ND	mg/L	0.0050	1		04/21/15 14:36	108-88-3		
1,1,1-Trichloroethane	ND	mg/L	0.0050	1		04/21/15 14:36	71-55-6		
1,1,2-Trichloroethane	ND	mg/L	0.0050	1		04/21/15 14:36	79-00-5		
Trichloroethene	ND	mg/L	0.0050	1		04/21/15 14:36	79-01-6		
Trichlorofluoromethane	ND	mg/L	0.0050	1		04/21/15 14:36	75-69-4		
1,2,3-Trichloropropane	ND	mg/L	0.0050	1		04/21/15 14:36	96-18-4		
Vinyl acetate	ND	mg/L	0.0050	1		04/21/15 14:36	108-05-4		
Vinyl chloride	ND	mg/L	0.0020	1		04/21/15 14:36	75-01-4		
Xylene (Total)	ND	mg/L	0.0050	1		04/21/15 14:36	1330-20-7		
Surrogates									
4-Bromofluorobenzene (S)	100	%	80-114	1		04/21/15 14:36	460-00-4		

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ANALYTICAL RESULTS

Project: Green Valley GW 2Q 2015

Pace Project No.: 50116556

Sample: MW-28C		Lab ID: 50116556003		Collected: 04/13/15 13:20		Received: 04/14/15 11:25		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
8260 MSV Low Level		Analytical Method: EPA 5030B/8260							
Surrogates									
Dibromofluoromethane (S)	103	%.	79-116	1		04/21/15 14:36	1868-53-7		
Toluene-d8 (S)	104	%.	81-110	1		04/21/15 14:36	2037-26-5		
2540C Total Dissolved Solids		Analytical Method: SM 2540C							
Total Dissolved Solids	281	mg/L	10.0	1		04/15/15 06:04			
410.4 COD		Analytical Method: EPA 410.4 Preparation Method: EPA 410.4							
Chemical Oxygen Demand	ND	mg/L	10.0	1	04/20/15 15:00	04/21/15 09:13			
5310C TOC		Analytical Method: SM 5310C							
Total Organic Carbon	ND	mg/L	1.0	1		04/17/15 19:06	7440-44-0		

Sample: MW-3		Lab ID: 50116556004		Collected: 04/13/15 13:55		Received: 04/14/15 11:25		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Field Data		Analytical Method:							
Collected Date	04/13/2015	no units			1		04/13/15 00:00		
Collected Time	13:35	no units			1		04/13/15 00:00		
Field pH	4.59	Std. Units			1		04/13/15 00:00		
Field Temperature	13.79	deg C			1		04/13/15 00:00		
Field Specific Conductance	233	umhos/cm			1		04/13/15 00:00		
Elevation Water Level	625.97	ft/msl			1		04/13/15 00:00		
Collar Elevation	630.80	ft/msl			1		04/13/15 00:00		
Depth to Water	4.83	feet			1		04/13/15 00:00		
8011 GCS EDB and DBCP		Analytical Method: EPA 8011 Preparation Method: EPA 8011							
1,2-Dibromoethane (EDB)	ND	mg/L	0.000049	1	04/23/15 18:55	04/23/15 22:41	106-93-4		
1,2-Dibromo-3-chloropropane	ND	mg/L	0.00020	1	04/23/15 18:55	04/23/15 22:41	96-12-8		
Surrogates									
4-Bromofluorobenzene (S)	94	%.	50-150	1	04/23/15 18:55	04/23/15 22:41	460-00-4		
9056 IC Anions 48hr		Analytical Method: EPA 9056							
Nitrate as N	0.080	mg/L	0.050	1		04/14/15 20:58	14797-55-8		
9056 IC Anions		Analytical Method: EPA 9056							
Chloride	11.6	mg/L	2.5	10		04/14/15 21:15	16887-00-6		
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Antimony	ND	mg/L	0.0060	1	04/17/15 08:03	04/22/15 14:28	7440-36-0	1d	
Barium	0.065	mg/L	0.010	1	04/17/15 08:03	04/22/15 14:28	7440-39-3		
Beryllium	ND	mg/L	0.010	1	04/17/15 08:03	04/22/15 14:28	7440-41-7		
Cadmium	ND	mg/L	0.0050	1	04/17/15 08:03	04/22/15 14:28	7440-43-9		
Chromium	ND	mg/L	0.020	1	04/17/15 08:03	04/22/15 14:28	7440-47-3		

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ANALYTICAL RESULTS

Project: Green Valley GW 2Q 2015

Pace Project No.: 50116556

Sample: MW-3		Lab ID: 50116556004		Collected: 04/13/15 13:55		Received: 04/14/15 11:25		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Cobalt	ND	mg/L	0.020	1	04/17/15 08:03	04/22/15 14:28	7440-48-4		
Copper	ND	mg/L	0.010	1	04/17/15 08:03	04/22/15 14:28	7440-50-8		
Iron	15.4	mg/L	0.020	1	04/17/15 08:03	04/22/15 14:28	7439-89-6		
Lead	ND	mg/L	0.030	1	04/17/15 08:03	04/22/15 14:28	7439-92-1		
Nickel	0.042	mg/L	0.020	1	04/17/15 08:03	04/22/15 14:28	7440-02-0		
Silver	ND	mg/L	0.010	1	04/17/15 08:03	04/22/15 14:28	7440-22-4		
Sodium	9.2	mg/L	0.10	1	04/17/15 08:03	04/22/15 14:28	7440-23-5		
Vanadium	ND	mg/L	0.25	1	04/17/15 08:03	04/22/15 14:28	7440-62-2		
Zinc	0.051	mg/L	0.010	1	04/17/15 08:03	04/22/15 14:28	7440-66-6		
6020 MET ICPMS		Analytical Method: EPA 6020 Preparation Method: EPA 200.2							
Arsenic	0.0021	mg/L	0.0010	1	04/16/15 09:00	04/20/15 20:38	7440-38-2		
Selenium	ND	mg/L	0.0010	1	04/16/15 09:00	04/20/15 20:38	7782-49-2		
Thallium	ND	mg/L	0.0020	1	04/16/15 09:00	04/20/15 20:38	7440-28-0		
7470 Mercury		Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	04/21/15 11:10	04/22/15 09:31	7439-97-6		
8260 MSV Low Level		Analytical Method: EPA 5030B/8260							
Acetone	ND	mg/L	0.099	1		04/21/15 15:01	67-64-1		
Acrolein	ND	mg/L	0.060	1		04/21/15 15:01	107-02-8		
Acrylonitrile	ND	mg/L	0.060	1		04/21/15 15:01	107-13-1		
Benzene	ND	mg/L	0.0050	1		04/21/15 15:01	71-43-2		
Bromochloromethane	ND	mg/L	0.0050	1		04/21/15 15:01	74-97-5		
Bromodichloromethane	ND	mg/L	0.0050	1		04/21/15 15:01	75-27-4		
Bromoform	ND	mg/L	0.0050	1		04/21/15 15:01	75-25-2		
Bromomethane	ND	mg/L	0.0050	1		04/21/15 15:01	74-83-9		
2-Butanone (MEK)	ND	mg/L	0.099	1		04/21/15 15:01	78-93-3		
Carbon disulfide	ND	mg/L	0.099	1		04/21/15 15:01	75-15-0		
Carbon tetrachloride	ND	mg/L	0.0050	1		04/21/15 15:01	56-23-5		
Chlorobenzene	ND	mg/L	0.0050	1		04/21/15 15:01	108-90-7		
Chloroethane	ND	mg/L	0.0050	1		04/21/15 15:01	75-00-3		
Chloroform	ND	mg/L	0.0050	1		04/21/15 15:01	67-66-3		
Chloromethane	ND	mg/L	0.0050	1		04/21/15 15:01	74-87-3		
1,2-Dibromo-3-chloropropane	ND	mg/L	0.0050	1		04/21/15 15:01	96-12-8		
Dibromochloromethane	ND	mg/L	0.0050	1		04/21/15 15:01	124-48-1		
1,2-Dibromoethane (EDB)	ND	mg/L	0.0010	1		04/21/15 15:01	106-93-4		
Dibromomethane	ND	mg/L	0.0050	1		04/21/15 15:01	74-95-3		
1,2-Dichlorobenzene	ND	mg/L	0.0050	1		04/21/15 15:01	95-50-1		
1,4-Dichlorobenzene	ND	mg/L	0.0050	1		04/21/15 15:01	106-46-7		
trans-1,4-Dichloro-2-butene	ND	mg/L	0.099	1		04/21/15 15:01	110-57-6		
1,1-Dichloroethane	ND	mg/L	0.0050	1		04/21/15 15:01	75-34-3		
1,2-Dichloroethane	ND	mg/L	0.0050	1		04/21/15 15:01	107-06-2		
1,1-Dichloroethene	ND	mg/L	0.0050	1		04/21/15 15:01	75-35-4		
cis-1,2-Dichloroethene	ND	mg/L	0.0050	1		04/21/15 15:01	156-59-2		
trans-1,2-Dichloroethene	ND	mg/L	0.0050	1		04/21/15 15:01	156-60-5		

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ANALYTICAL RESULTS

Project: Green Valley GW 2Q 2015

Pace Project No.: 50116556

Sample: MW-3		Lab ID: 50116556004		Collected: 04/13/15 13:55		Received: 04/14/15 11:25		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
8260 MSV Low Level		Analytical Method: EPA 5030B/8260							
1,2-Dichloropropane	ND	mg/L	0.0050	1		04/21/15 15:01	78-87-5		
cis-1,3-Dichloropropene	ND	mg/L	0.0050	1		04/21/15 15:01	10061-01-5		
trans-1,3-Dichloropropene	ND	mg/L	0.0050	1		04/21/15 15:01	10061-02-6		
Ethylbenzene	ND	mg/L	0.0050	1		04/21/15 15:01	100-41-4		
2-Hexanone	ND	mg/L	0.050	1		04/21/15 15:01	591-78-6		
Iodomethane	ND	mg/L	0.0050	1		04/21/15 15:01	74-88-4		
Methylene Chloride	ND	mg/L	0.0050	1		04/21/15 15:01	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	mg/L	0.050	1		04/21/15 15:01	108-10-1		
Styrene	ND	mg/L	0.0050	1		04/21/15 15:01	100-42-5		
1,1,1,2-Tetrachloroethane	ND	mg/L	0.0050	1		04/21/15 15:01	630-20-6		
1,1,2,2-Tetrachloroethane	ND	mg/L	0.0050	1		04/21/15 15:01	79-34-5		
Tetrachloroethene	ND	mg/L	0.0050	1		04/21/15 15:01	127-18-4		
Toluene	ND	mg/L	0.0050	1		04/21/15 15:01	108-88-3		
1,1,1-Trichloroethane	ND	mg/L	0.0050	1		04/21/15 15:01	71-55-6		
1,1,2-Trichloroethane	ND	mg/L	0.0050	1		04/21/15 15:01	79-00-5		
Trichloroethene	ND	mg/L	0.0050	1		04/21/15 15:01	79-01-6		
Trichlorofluoromethane	ND	mg/L	0.0050	1		04/21/15 15:01	75-69-4		
1,2,3-Trichloropropane	ND	mg/L	0.0050	1		04/21/15 15:01	96-18-4		
Vinyl acetate	ND	mg/L	0.0050	1		04/21/15 15:01	108-05-4		
Vinyl chloride	ND	mg/L	0.0020	1		04/21/15 15:01	75-01-4		
Xylene (Total)	ND	mg/L	0.0050	1		04/21/15 15:01	1330-20-7		
Surrogates									
4-Bromofluorobenzene (S)	98	%	80-114	1		04/21/15 15:01	460-00-4		
Dibromofluoromethane (S)	99	%	79-116	1		04/21/15 15:01	1868-53-7		
Toluene-d8 (S)	101	%	81-110	1		04/21/15 15:01	2037-26-5		
2540C Total Dissolved Solids		Analytical Method: SM 2540C							
Total Dissolved Solids	214	mg/L	10.0	1		04/15/15 06:04			
410.4 COD		Analytical Method: EPA 410.4 Preparation Method: EPA 410.4							
Chemical Oxygen Demand	ND	mg/L	10.0	1	04/20/15 15:00	04/21/15 09:13			
5310C TOC		Analytical Method: SM 5310C							
Total Organic Carbon	ND	mg/L	1.0	1		04/17/15 19:06	7440-44-0		

Sample: DUP		Lab ID: 50116556005		Collected: 04/13/15 08:00		Received: 04/14/15 11:25		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
8011 GCS EDB and DBCP		Analytical Method: EPA 8011 Preparation Method: EPA 8011							
1,2-Dibromo-3-chloropropane	ND	mg/L	0.00020	1	04/23/15 18:55	04/23/15 22:48	96-12-8		
1,2-Dibromoethane (EDB)	ND	mg/L	0.000051	1	04/23/15 18:55	04/23/15 22:48	106-93-4		
Surrogates									
4-Bromofluorobenzene (S)	111	%	50-150	1	04/23/15 18:55	04/23/15 22:48	460-00-4		

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ANALYTICAL RESULTS

Project: Green Valley GW 2Q 2015

Pace Project No.: 50116556

Sample: DUP		Lab ID: 50116556005		Collected: 04/13/15 08:00		Received: 04/14/15 11:25		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
9056 IC Anions 48hr		Analytical Method: EPA 9056							
Nitrate as N	0.085	mg/L	0.050	1		04/14/15 21:31	14797-55-8		
9056 IC Anions		Analytical Method: EPA 9056							
Chloride	11.2	mg/L	2.5	10		04/14/15 21:47	16887-00-6		
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Antimony	ND	mg/L	0.0060	1	04/17/15 08:03	04/22/15 14:30	7440-36-0	1d	
Barium	0.059	mg/L	0.010	1	04/17/15 08:03	04/22/15 14:30	7440-39-3		
Beryllium	ND	mg/L	0.010	1	04/17/15 08:03	04/22/15 14:30	7440-41-7		
Cadmium	ND	mg/L	0.0050	1	04/17/15 08:03	04/22/15 14:30	7440-43-9		
Chromium	ND	mg/L	0.020	1	04/17/15 08:03	04/22/15 14:30	7440-47-3		
Cobalt	ND	mg/L	0.020	1	04/17/15 08:03	04/22/15 14:30	7440-48-4		
Copper	ND	mg/L	0.010	1	04/17/15 08:03	04/22/15 14:30	7440-50-8		
Iron	13.3	mg/L	0.020	1	04/17/15 08:03	04/22/15 14:30	7439-89-6		
Lead	ND	mg/L	0.030	1	04/17/15 08:03	04/22/15 14:30	7439-92-1		
Nickel	0.037	mg/L	0.020	1	04/17/15 08:03	04/22/15 14:30	7440-02-0		
Silver	ND	mg/L	0.010	1	04/17/15 08:03	04/22/15 14:30	7440-22-4		
Sodium	9.1	mg/L	0.10	1	04/17/15 08:03	04/22/15 14:30	7440-23-5		
Vanadium	ND	mg/L	0.25	1	04/17/15 08:03	04/22/15 14:30	7440-62-2		
Zinc	0.041	mg/L	0.010	1	04/17/15 08:03	04/22/15 14:30	7440-66-6		
6020 MET ICPMS		Analytical Method: EPA 6020 Preparation Method: EPA 200.2							
Arsenic	0.0019	mg/L	0.0010	1	04/16/15 09:00	04/20/15 20:41	7440-38-2		
Selenium	ND	mg/L	0.0010	1	04/16/15 09:00	04/20/15 20:41	7782-49-2		
Thallium	ND	mg/L	0.0020	1	04/16/15 09:00	04/20/15 20:41	7440-28-0		
7470 Mercury		Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	04/21/15 11:10	04/22/15 09:34	7439-97-6		
8260 MSV Low Level		Analytical Method: EPA 5030B/8260							
Acetone	ND	mg/L	0.099	1		04/21/15 15:27	67-64-1		
Acrolein	ND	mg/L	0.060	1		04/21/15 15:27	107-02-8		
Acrylonitrile	ND	mg/L	0.060	1		04/21/15 15:27	107-13-1		
Benzene	ND	mg/L	0.0050	1		04/21/15 15:27	71-43-2		
Bromochloromethane	ND	mg/L	0.0050	1		04/21/15 15:27	74-97-5		
Bromodichloromethane	ND	mg/L	0.0050	1		04/21/15 15:27	75-27-4		
Bromoform	ND	mg/L	0.0050	1		04/21/15 15:27	75-25-2		
Bromomethane	ND	mg/L	0.0050	1		04/21/15 15:27	74-83-9		
2-Butanone (MEK)	ND	mg/L	0.099	1		04/21/15 15:27	78-93-3		
Carbon disulfide	ND	mg/L	0.099	1		04/21/15 15:27	75-15-0		
Carbon tetrachloride	ND	mg/L	0.0050	1		04/21/15 15:27	56-23-5		
Chlorobenzene	ND	mg/L	0.0050	1		04/21/15 15:27	108-90-7		
Chloroethane	ND	mg/L	0.0050	1		04/21/15 15:27	75-00-3		
Chloroform	ND	mg/L	0.0050	1		04/21/15 15:27	67-66-3		
Chloromethane	ND	mg/L	0.0050	1		04/21/15 15:27	74-87-3		
1,2-Dibromo-3-chloropropane	ND	mg/L	0.0050	1		04/21/15 15:27	96-12-8		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Green Valley GW 2Q 2015

Pace Project No.: 50116556

Sample: DUP		Lab ID: 50116556005		Collected: 04/13/15 08:00		Received: 04/14/15 11:25		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
8260 MSV Low Level		Analytical Method: EPA 5030B/8260							
Dibromochloromethane	ND	mg/L	0.0050	1		04/21/15 15:27	124-48-1		
1,2-Dibromoethane (EDB)	ND	mg/L	0.0010	1		04/21/15 15:27	106-93-4		
Dibromomethane	ND	mg/L	0.0050	1		04/21/15 15:27	74-95-3		
1,2-Dichlorobenzene	ND	mg/L	0.0050	1		04/21/15 15:27	95-50-1		
1,4-Dichlorobenzene	ND	mg/L	0.0050	1		04/21/15 15:27	106-46-7		
trans-1,4-Dichloro-2-butene	ND	mg/L	0.099	1		04/21/15 15:27	110-57-6		
1,1-Dichloroethane	ND	mg/L	0.0050	1		04/21/15 15:27	75-34-3		
1,2-Dichloroethane	ND	mg/L	0.0050	1		04/21/15 15:27	107-06-2		
1,1-Dichloroethene	ND	mg/L	0.0050	1		04/21/15 15:27	75-35-4		
cis-1,2-Dichloroethene	ND	mg/L	0.0050	1		04/21/15 15:27	156-59-2		
trans-1,2-Dichloroethene	ND	mg/L	0.0050	1		04/21/15 15:27	156-60-5		
1,2-Dichloropropane	ND	mg/L	0.0050	1		04/21/15 15:27	78-87-5		
cis-1,3-Dichloropropene	ND	mg/L	0.0050	1		04/21/15 15:27	10061-01-5		
trans-1,3-Dichloropropene	ND	mg/L	0.0050	1		04/21/15 15:27	10061-02-6		
Ethylbenzene	ND	mg/L	0.0050	1		04/21/15 15:27	100-41-4		
2-Hexanone	ND	mg/L	0.050	1		04/21/15 15:27	591-78-6		
Iodomethane	ND	mg/L	0.0050	1		04/21/15 15:27	74-88-4		
Methylene Chloride	ND	mg/L	0.0050	1		04/21/15 15:27	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	mg/L	0.050	1		04/21/15 15:27	108-10-1		
Styrene	ND	mg/L	0.0050	1		04/21/15 15:27	100-42-5		
1,1,1,2-Tetrachloroethane	ND	mg/L	0.0050	1		04/21/15 15:27	630-20-6		
1,1,2,2-Tetrachloroethane	ND	mg/L	0.0050	1		04/21/15 15:27	79-34-5		
Tetrachloroethene	ND	mg/L	0.0050	1		04/21/15 15:27	127-18-4		
Toluene	ND	mg/L	0.0050	1		04/21/15 15:27	108-88-3		
1,1,1-Trichloroethane	ND	mg/L	0.0050	1		04/21/15 15:27	71-55-6		
1,1,2-Trichloroethane	ND	mg/L	0.0050	1		04/21/15 15:27	79-00-5		
Trichloroethene	ND	mg/L	0.0050	1		04/21/15 15:27	79-01-6		
Trichlorofluoromethane	ND	mg/L	0.0050	1		04/21/15 15:27	75-69-4		
1,2,3-Trichloropropane	ND	mg/L	0.0050	1		04/21/15 15:27	96-18-4		
Vinyl acetate	ND	mg/L	0.0050	1		04/21/15 15:27	108-05-4		
Vinyl chloride	ND	mg/L	0.0020	1		04/21/15 15:27	75-01-4		
Xylene (Total)	ND	mg/L	0.0050	1		04/21/15 15:27	1330-20-7		
Surrogates									
4-Bromofluorobenzene (S)	95	%	80-114	1		04/21/15 15:27	460-00-4		
Dibromofluoromethane (S)	102	%	79-116	1		04/21/15 15:27	1868-53-7		
Toluene-d8 (S)	99	%	81-110	1		04/21/15 15:27	2037-26-5		
2540C Total Dissolved Solids		Analytical Method: SM 2540C							
Total Dissolved Solids	169	mg/L	10.0	1		04/15/15 06:05			
410.4 COD		Analytical Method: EPA 410.4 Preparation Method: EPA 410.4							
Chemical Oxygen Demand	ND	mg/L	10.0	1	04/20/15 15:00	04/21/15 09:13			
5310C TOC		Analytical Method: SM 5310C							
Total Organic Carbon	ND	mg/L	1.0	1		04/17/15 19:06	7440-44-0		

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ANALYTICAL RESULTS

Project: Green Valley GW 2Q 2015
Pace Project No.: 50116556

Sample: MW-1		Lab ID: 50116556006		Collected: 04/14/15 09:25		Received: 04/15/15 10:25		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
Field Data		Analytical Method:							
Collected Date	04/14/2015	no units		1		04/14/15 00:00			
Collected Time	09:05	no units		1		04/14/15 00:00			
Field pH	7.15	Std. Units		1		04/14/15 00:00			
Field Temperature	9.88	deg C		1		04/14/15 00:00			
Field Specific Conductance	61	umhos/cm		1		04/14/15 00:00			
Elevation Water Level	615.71	ft/msl		1		04/14/15 00:00			
Collar Elevation	617.80	ft/msl		1		04/14/15 00:00			
Depth to Water	2.09	feet		1		04/14/15 00:00			
8011 GCS EDB and DBCP		Analytical Method: EPA 8011 Preparation Method: EPA 8011							
1,2-Dibromo-3-chloropropane	ND	mg/L	0.00020	1	04/23/15 18:55	04/23/15 22:56	96-12-8		
1,2-Dibromoethane (EDB)	ND	mg/L	0.000051	1	04/23/15 18:55	04/23/15 22:56	106-93-4		
Surrogates									
4-Bromofluorobenzene (S)	104	%	50-150	1	04/23/15 18:55	04/23/15 22:56	460-00-4		
9056 IC Anions 48hr		Analytical Method: EPA 9056							
Nitrate as N	0.093	mg/L	0.050	1		04/15/15 20:30	14797-55-8		
9056 IC Anions		Analytical Method: EPA 9056							
Chloride	1.2	mg/L	0.25	1		04/15/15 20:30	16887-00-6		
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Antimony	ND	mg/L	0.0060	1	04/22/15 14:25	04/22/15 22:40	7440-36-0		
Barium	0.019	mg/L	0.010	1	04/22/15 14:25	04/22/15 22:40	7440-39-3		
Beryllium	ND	mg/L	0.010	1	04/22/15 14:25	04/22/15 22:40	7440-41-7		
Cadmium	ND	mg/L	0.0050	1	04/22/15 14:25	04/22/15 22:40	7440-43-9		
Chromium	ND	mg/L	0.020	1	04/22/15 14:25	04/22/15 22:40	7440-47-3		
Cobalt	ND	mg/L	0.020	1	04/22/15 14:25	04/22/15 22:40	7440-48-4		
Copper	ND	mg/L	0.010	1	04/22/15 14:25	04/22/15 22:40	7440-50-8		
Iron	0.18	mg/L	0.020	1	04/22/15 14:25	04/22/15 22:40	7439-89-6		
Lead	ND	mg/L	0.030	1	04/22/15 14:25	04/22/15 22:40	7439-92-1		
Nickel	ND	mg/L	0.020	1	04/22/15 14:25	04/22/15 22:40	7440-02-0		
Silver	ND	mg/L	0.010	1	04/22/15 14:25	04/22/15 22:40	7440-22-4		
Sodium	1.7	mg/L	0.10	1	04/22/15 14:25	04/22/15 22:40	7440-23-5		
Vanadium	ND	mg/L	0.25	1	04/22/15 14:25	04/22/15 22:40	7440-62-2		
Zinc	ND	mg/L	0.010	1	04/22/15 14:25	04/22/15 22:40	7440-66-6		
6020 MET ICPMS		Analytical Method: EPA 6020 Preparation Method: EPA 200.2							
Arsenic	ND	mg/L	0.0010	1	04/20/15 09:00	04/20/15 22:55	7440-38-2		
Selenium	ND	mg/L	0.0010	1	04/20/15 09:00	04/20/15 22:55	7782-49-2		
Thallium	ND	mg/L	0.0020	1	04/20/15 09:00	04/20/15 22:55	7440-28-0		
7470 Mercury		Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	04/21/15 11:10	04/22/15 09:36	7439-97-6		

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ANALYTICAL RESULTS

Project: Green Valley GW 2Q 2015

Pace Project No.: 50116556

Sample: MW-1		Lab ID: 50116556006		Collected: 04/14/15 09:25		Received: 04/15/15 10:25		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level		Analytical Method: EPA 5030B/8260							
Acetone	ND	mg/L	0.099	1			04/21/15 15:53	67-64-1	
Acrolein	ND	mg/L	0.060	1			04/21/15 15:53	107-02-8	
Acrylonitrile	ND	mg/L	0.060	1			04/21/15 15:53	107-13-1	
Benzene	ND	mg/L	0.0050	1			04/21/15 15:53	71-43-2	
Bromochloromethane	ND	mg/L	0.0050	1			04/21/15 15:53	74-97-5	
Bromodichloromethane	ND	mg/L	0.0050	1			04/21/15 15:53	75-27-4	
Bromoform	ND	mg/L	0.0050	1			04/21/15 15:53	75-25-2	
Bromomethane	ND	mg/L	0.0050	1			04/21/15 15:53	74-83-9	
2-Butanone (MEK)	ND	mg/L	0.099	1			04/21/15 15:53	78-93-3	
Carbon disulfide	ND	mg/L	0.099	1			04/21/15 15:53	75-15-0	
Carbon tetrachloride	ND	mg/L	0.0050	1			04/21/15 15:53	56-23-5	
Chlorobenzene	ND	mg/L	0.0050	1			04/21/15 15:53	108-90-7	
Chloroethane	ND	mg/L	0.0050	1			04/21/15 15:53	75-00-3	
Chloroform	ND	mg/L	0.0050	1			04/21/15 15:53	67-66-3	
Chloromethane	ND	mg/L	0.0050	1			04/21/15 15:53	74-87-3	
1,2-Dibromo-3-chloropropane	ND	mg/L	0.0050	1			04/21/15 15:53	96-12-8	
Dibromochloromethane	ND	mg/L	0.0050	1			04/21/15 15:53	124-48-1	
1,2-Dibromoethane (EDB)	ND	mg/L	0.0010	1			04/21/15 15:53	106-93-4	
Dibromomethane	ND	mg/L	0.0050	1			04/21/15 15:53	74-95-3	
1,2-Dichlorobenzene	ND	mg/L	0.0050	1			04/21/15 15:53	95-50-1	
1,4-Dichlorobenzene	ND	mg/L	0.0050	1			04/21/15 15:53	106-46-7	
trans-1,4-Dichloro-2-butene	ND	mg/L	0.099	1			04/21/15 15:53	110-57-6	
1,1-Dichloroethane	ND	mg/L	0.0050	1			04/21/15 15:53	75-34-3	
1,2-Dichloroethane	ND	mg/L	0.0050	1			04/21/15 15:53	107-06-2	
1,1-Dichloroethene	ND	mg/L	0.0050	1			04/21/15 15:53	75-35-4	
cis-1,2-Dichloroethene	ND	mg/L	0.0050	1			04/21/15 15:53	156-59-2	
trans-1,2-Dichloroethene	ND	mg/L	0.0050	1			04/21/15 15:53	156-60-5	
1,2-Dichloropropane	ND	mg/L	0.0050	1			04/21/15 15:53	78-87-5	
cis-1,3-Dichloropropene	ND	mg/L	0.0050	1			04/21/15 15:53	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/L	0.0050	1			04/21/15 15:53	10061-02-6	
Ethylbenzene	ND	mg/L	0.0050	1			04/21/15 15:53	100-41-4	
2-Hexanone	ND	mg/L	0.050	1			04/21/15 15:53	591-78-6	
Iodomethane	ND	mg/L	0.0050	1			04/21/15 15:53	74-88-4	
Methylene Chloride	ND	mg/L	0.0050	1			04/21/15 15:53	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/L	0.050	1			04/21/15 15:53	108-10-1	
Styrene	ND	mg/L	0.0050	1			04/21/15 15:53	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/L	0.0050	1			04/21/15 15:53	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/L	0.0050	1			04/21/15 15:53	79-34-5	
Tetrachloroethene	ND	mg/L	0.0050	1			04/21/15 15:53	127-18-4	
Toluene	ND	mg/L	0.0050	1			04/21/15 15:53	108-88-3	
1,1,1-Trichloroethane	ND	mg/L	0.0050	1			04/21/15 15:53	71-55-6	
1,1,2-Trichloroethane	ND	mg/L	0.0050	1			04/21/15 15:53	79-00-5	
Trichloroethene	ND	mg/L	0.0050	1			04/21/15 15:53	79-01-6	
Trichlorofluoromethane	ND	mg/L	0.0050	1			04/21/15 15:53	75-69-4	
1,2,3-Trichloropropane	ND	mg/L	0.0050	1			04/21/15 15:53	96-18-4	
Vinyl acetate	ND	mg/L	0.0050	1			04/21/15 15:53	108-05-4	
Vinyl chloride	ND	mg/L	0.0020	1			04/21/15 15:53	75-01-4	

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ANALYTICAL RESULTS

Project: Green Valley GW 2Q 2015
Pace Project No.: 50116556

Sample: MW-1		Lab ID: 50116556006		Collected: 04/14/15 09:25		Received: 04/15/15 10:25		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level		Analytical Method: EPA 5030B/8260							
Xylene (Total)		ND	mg/L	0.0050	1		04/21/15 15:53	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)		99	%.	80-114	1		04/21/15 15:53	460-00-4	
Dibromofluoromethane (S)		102	%.	79-116	1		04/21/15 15:53	1868-53-7	
Toluene-d8 (S)		102	%.	81-110	1		04/21/15 15:53	2037-26-5	
2540C Total Dissolved Solids		Analytical Method: SM 2540C							
Total Dissolved Solids		22	mg/L	10.0	1		04/20/15 09:10		
410.4 COD		Analytical Method: EPA 410.4 Preparation Method: EPA 410.4							
Chemical Oxygen Demand		ND	mg/L	10.0	1	04/27/15 09:00	04/27/15 13:01		
5310C TOC		Analytical Method: SM 5310C							
Total Organic Carbon		ND	mg/L	1.0	1		04/18/15 04:24	7440-44-0	

Sample: MW-1A		Lab ID: 50116556007		Collected: 04/14/15 09:52		Received: 04/15/15 10:25		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Field Data		Analytical Method:							
Collected Date	04/14/2015	no units			1		04/14/15 00:00		
Collected Time	09:35	no units			1		04/14/15 00:00		
Field pH	6.99	Std. Units			1		04/14/15 00:00		
Field Temperature	11.40	deg C			1		04/14/15 00:00		
Field Specific Conductance	252	umhos/cm			1		04/14/15 00:00		
Elevation Water Level	618.60	ft/msl			1		04/14/15 00:00		
Collar Elevation	618.60	ft/msl			1		04/14/15 00:00		
Depth to Water	0.0	feet			1		04/14/15 00:00		
8011 GCS EDB and DBCP		Analytical Method: EPA 8011 Preparation Method: EPA 8011							
1,2-Dibromo-3-chloropropane	ND	mg/L	0.00020	1	04/23/15 18:55	04/23/15 23:03	96-12-8		
1,2-Dibromoethane (EDB)	ND	mg/L	0.000051	1	04/23/15 18:55	04/23/15 23:03	106-93-4		
Surrogates									
4-Bromofluorobenzene (S)	98	%.	50-150	1	04/23/15 18:55	04/23/15 23:03	460-00-4		
9056 IC Anions 48hr		Analytical Method: EPA 9056							
Nitrate as N	0.21	mg/L	0.050	1		04/15/15 21:19	14797-55-8		
9056 IC Anions		Analytical Method: EPA 9056							
Chloride	3.3	mg/L	0.25	1		04/15/15 21:19	16887-00-6		
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Antimony	ND	mg/L	0.0060	1	04/22/15 14:25	04/22/15 22:42	7440-36-0		
Barium	0.051	mg/L	0.010	1	04/22/15 14:25	04/22/15 22:42	7440-39-3		
Beryllium	ND	mg/L	0.010	1	04/22/15 14:25	04/22/15 22:42	7440-41-7		

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ANALYTICAL RESULTS

Project: Green Valley GW 2Q 2015

Pace Project No.: 50116556

Sample: MW-1A		Lab ID: 50116556007		Collected: 04/14/15 09:52		Received: 04/15/15 10:25		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Cadmium	ND	mg/L	0.0050	1	04/22/15 14:25	04/22/15 22:42	7440-43-9		
Chromium	ND	mg/L	0.020	1	04/22/15 14:25	04/22/15 22:42	7440-47-3		
Cobalt	ND	mg/L	0.020	1	04/22/15 14:25	04/22/15 22:42	7440-48-4		
Copper	ND	mg/L	0.010	1	04/22/15 14:25	04/22/15 22:42	7440-50-8		
Iron	1.6	mg/L	0.020	1	04/22/15 14:25	04/22/15 22:42	7439-89-6		
Lead	ND	mg/L	0.030	1	04/22/15 14:25	04/22/15 22:42	7439-92-1		
Nickel	ND	mg/L	0.020	1	04/22/15 14:25	04/22/15 22:42	7440-02-0		
Silver	ND	mg/L	0.010	1	04/22/15 14:25	04/22/15 22:42	7440-22-4		
Sodium	19.6	mg/L	0.10	1	04/22/15 14:25	04/22/15 22:42	7440-23-5		
Vanadium	ND	mg/L	0.25	1	04/22/15 14:25	04/22/15 22:42	7440-62-2		
Zinc	ND	mg/L	0.010	1	04/22/15 14:25	04/22/15 22:42	7440-66-6		
6020 MET ICPMS		Analytical Method: EPA 6020 Preparation Method: EPA 200.2							
Arsenic	ND	mg/L	0.0010	1	04/20/15 09:00	04/20/15 23:07	7440-38-2		
Selenium	ND	mg/L	0.0010	1	04/20/15 09:00	04/20/15 23:07	7782-49-2		
Thallium	ND	mg/L	0.0020	1	04/20/15 09:00	04/20/15 23:07	7440-28-0		
7470 Mercury		Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	04/21/15 11:10	04/22/15 09:44	7439-97-6		
8260 MSV Low Level		Analytical Method: EPA 5030B/8260							
Acetone	ND	mg/L	0.099	1		04/21/15 16:19	67-64-1		
Acrolein	ND	mg/L	0.060	1		04/21/15 16:19	107-02-8		
Acrylonitrile	ND	mg/L	0.060	1		04/21/15 16:19	107-13-1		
Benzene	ND	mg/L	0.0050	1		04/21/15 16:19	71-43-2		
Bromochloromethane	ND	mg/L	0.0050	1		04/21/15 16:19	74-97-5		
Bromodichloromethane	ND	mg/L	0.0050	1		04/21/15 16:19	75-27-4		
Bromoform	ND	mg/L	0.0050	1		04/21/15 16:19	75-25-2		
Bromomethane	ND	mg/L	0.0050	1		04/21/15 16:19	74-83-9		
2-Butanone (MEK)	ND	mg/L	0.099	1		04/21/15 16:19	78-93-3		
Carbon disulfide	ND	mg/L	0.099	1		04/21/15 16:19	75-15-0		
Carbon tetrachloride	ND	mg/L	0.0050	1		04/21/15 16:19	56-23-5		
Chlorobenzene	ND	mg/L	0.0050	1		04/21/15 16:19	108-90-7		
Chloroethane	ND	mg/L	0.0050	1		04/21/15 16:19	75-00-3		
Chloroform	ND	mg/L	0.0050	1		04/21/15 16:19	67-66-3		
Chloromethane	ND	mg/L	0.0050	1		04/21/15 16:19	74-87-3		
1,2-Dibromo-3-chloropropane	ND	mg/L	0.0050	1		04/21/15 16:19	96-12-8		
Dibromochloromethane	ND	mg/L	0.0050	1		04/21/15 16:19	124-48-1		
1,2-Dibromoethane (EDB)	ND	mg/L	0.0010	1		04/21/15 16:19	106-93-4		
Dibromomethane	ND	mg/L	0.0050	1		04/21/15 16:19	74-95-3		
1,2-Dichlorobenzene	ND	mg/L	0.0050	1		04/21/15 16:19	95-50-1		
1,4-Dichlorobenzene	ND	mg/L	0.0050	1		04/21/15 16:19	106-46-7		
trans-1,4-Dichloro-2-butene	ND	mg/L	0.099	1		04/21/15 16:19	110-57-6		
1,1-Dichloroethane	ND	mg/L	0.0050	1		04/21/15 16:19	75-34-3		
1,2-Dichloroethane	ND	mg/L	0.0050	1		04/21/15 16:19	107-06-2		
1,1-Dichloroethene	ND	mg/L	0.0050	1		04/21/15 16:19	75-35-4		

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ANALYTICAL RESULTS

Project: Green Valley GW 2Q 2015

Pace Project No.: 50116556

Sample: MW-1A		Lab ID: 50116556007		Collected: 04/14/15 09:52		Received: 04/15/15 10:25		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
8260 MSV Low Level		Analytical Method: EPA 5030B/8260							
cis-1,2-Dichloroethene	ND	mg/L	0.0050	1		04/21/15 16:19	156-59-2		
trans-1,2-Dichloroethene	ND	mg/L	0.0050	1		04/21/15 16:19	156-60-5		
1,2-Dichloropropane	ND	mg/L	0.0050	1		04/21/15 16:19	78-87-5		
cis-1,3-Dichloropropene	ND	mg/L	0.0050	1		04/21/15 16:19	10061-01-5		
trans-1,3-Dichloropropene	ND	mg/L	0.0050	1		04/21/15 16:19	10061-02-6		
Ethylbenzene	ND	mg/L	0.0050	1		04/21/15 16:19	100-41-4		
2-Hexanone	ND	mg/L	0.050	1		04/21/15 16:19	591-78-6		
Iodomethane	ND	mg/L	0.0050	1		04/21/15 16:19	74-88-4		
Methylene Chloride	ND	mg/L	0.0050	1		04/21/15 16:19	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	mg/L	0.050	1		04/21/15 16:19	108-10-1		
Styrene	ND	mg/L	0.0050	1		04/21/15 16:19	100-42-5		
1,1,1,2-Tetrachloroethane	ND	mg/L	0.0050	1		04/21/15 16:19	630-20-6		
1,1,2,2-Tetrachloroethane	ND	mg/L	0.0050	1		04/21/15 16:19	79-34-5		
Tetrachloroethene	ND	mg/L	0.0050	1		04/21/15 16:19	127-18-4		
Toluene	ND	mg/L	0.0050	1		04/21/15 16:19	108-88-3		
1,1,1-Trichloroethane	ND	mg/L	0.0050	1		04/21/15 16:19	71-55-6		
1,1,2-Trichloroethane	ND	mg/L	0.0050	1		04/21/15 16:19	79-00-5		
Trichloroethene	ND	mg/L	0.0050	1		04/21/15 16:19	79-01-6		
Trichlorofluoromethane	ND	mg/L	0.0050	1		04/21/15 16:19	75-69-4		
1,2,3-Trichloropropane	ND	mg/L	0.0050	1		04/21/15 16:19	96-18-4		
Vinyl acetate	ND	mg/L	0.0050	1		04/21/15 16:19	108-05-4		
Vinyl chloride	ND	mg/L	0.0020	1		04/21/15 16:19	75-01-4		
Xylene (Total)	ND	mg/L	0.0050	1		04/21/15 16:19	1330-20-7		
Surrogates									
4-Bromofluorobenzene (S)	95	%	80-114	1		04/21/15 16:19	460-00-4		
Dibromofluoromethane (S)	99	%	79-116	1		04/21/15 16:19	1868-53-7		
Toluene-d8 (S)	100	%	81-110	1		04/21/15 16:19	2037-26-5		
2540C Total Dissolved Solids		Analytical Method: SM 2540C							
Total Dissolved Solids	201	mg/L	10.0	1		04/20/15 09:16			
410.4 COD		Analytical Method: EPA 410.4 Preparation Method: EPA 410.4							
Chemical Oxygen Demand	ND	mg/L	10.0	1	04/27/15 09:00	04/27/15 13:01			
5310C TOC		Analytical Method: SM 5310C							
Total Organic Carbon	ND	mg/L	1.0	1		04/18/15 04:24	7440-44-0		

Sample: MW-1B		Lab ID: 50116556008		Collected: 04/14/15 10:32		Received: 04/15/15 10:25		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Field Data		Analytical Method:							
Collected Date	04/14/2015	no units			1		04/14/15 00:00		
Collected Time	10:10	no units			1		04/14/15 00:00		
Field pH	7.61	Std. Units			1		04/14/15 00:00		

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ANALYTICAL RESULTS

Project: Green Valley GW 2Q 2015

Pace Project No.: 50116556

Sample: MW-1B		Lab ID: 50116556008		Collected: 04/14/15 10:32		Received: 04/15/15 10:25		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
Field Data		Analytical Method:							
Field Temperature	11.29	deg C		1		04/14/15 00:00			
Field Specific Conductance	494	umhos/cm		1		04/14/15 00:00			
Elevation Water Level	613.86	ft/msl		1		04/14/15 00:00			
Collar Elevation	618.70	ft/msl		1		04/14/15 00:00			
Depth to Water	4.84	feet		1		04/14/15 00:00			
8011 GCS EDB and DBCP		Analytical Method: EPA 8011 Preparation Method: EPA 8011							
1,2-Dibromo-3-chloropropane	ND	mg/L	0.00020	1	04/23/15 18:55	04/23/15 23:10	96-12-8		
1,2-Dibromoethane (EDB)	ND	mg/L	0.000051	1	04/23/15 18:55	04/23/15 23:10	106-93-4		
Surrogates									
4-Bromofluorobenzene (S)	103	%	50-150	1	04/23/15 18:55	04/23/15 23:10	460-00-4		
9056 IC Anions 48hr		Analytical Method: EPA 9056							
Nitrate as N	0.47	mg/L	0.050	1		04/15/15 21:35	14797-55-8		
9056 IC Anions		Analytical Method: EPA 9056							
Chloride	35.0	mg/L	2.5	10		04/15/15 21:52	16887-00-6		
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Antimony	ND	mg/L	0.0060	1	04/22/15 14:25	04/22/15 22:45	7440-36-0		
Barium	0.055	mg/L	0.010	1	04/22/15 14:25	04/22/15 22:45	7440-39-3		
Beryllium	ND	mg/L	0.010	1	04/22/15 14:25	04/22/15 22:45	7440-41-7		
Cadmium	ND	mg/L	0.0050	1	04/22/15 14:25	04/22/15 22:45	7440-43-9		
Chromium	ND	mg/L	0.020	1	04/22/15 14:25	04/22/15 22:45	7440-47-3		
Cobalt	ND	mg/L	0.020	1	04/22/15 14:25	04/22/15 22:45	7440-48-4		
Copper	ND	mg/L	0.010	1	04/22/15 14:25	04/22/15 22:45	7440-50-8		
Iron	0.051	mg/L	0.020	1	04/22/15 14:25	04/22/15 22:45	7439-89-6		
Lead	ND	mg/L	0.030	1	04/22/15 14:25	04/22/15 22:45	7439-92-1		
Nickel	ND	mg/L	0.020	1	04/22/15 14:25	04/22/15 22:45	7440-02-0		
Silver	ND	mg/L	0.010	1	04/22/15 14:25	04/22/15 22:45	7440-22-4		
Sodium	120	mg/L	0.10	1	04/22/15 14:25	04/22/15 22:45	7440-23-5		
Vanadium	ND	mg/L	0.25	1	04/22/15 14:25	04/22/15 22:45	7440-62-2		
Zinc	0.016	mg/L	0.010	1	04/22/15 14:25	04/22/15 22:45	7440-66-6		
6020 MET ICPMS		Analytical Method: EPA 6020 Preparation Method: EPA 200.2							
Arsenic	ND	mg/L	0.0010	1	04/20/15 09:00	04/20/15 23:10	7440-38-2		
Selenium	ND	mg/L	0.0010	1	04/20/15 09:00	04/20/15 23:10	7782-49-2		
Thallium	ND	mg/L	0.0020	1	04/20/15 09:00	04/20/15 23:10	7440-28-0		
7470 Mercury		Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	04/21/15 11:10	04/22/15 09:46	7439-97-6		
8260 MSV Low Level		Analytical Method: EPA 5030B/8260							
Acetone	ND	mg/L	0.099	1		04/21/15 16:45	67-64-1		
Acrolein	ND	mg/L	0.060	1		04/21/15 16:45	107-02-8		
Acrylonitrile	ND	mg/L	0.060	1		04/21/15 16:45	107-13-1		

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ANALYTICAL RESULTS

Project: Green Valley GW 2Q 2015

Pace Project No.: 50116556

Sample: MW-1B		Lab ID: 50116556008		Collected: 04/14/15 10:32		Received: 04/15/15 10:25		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
8260 MSV Low Level		Analytical Method: EPA 5030B/8260							
Benzene	ND	mg/L	0.0050	1		04/21/15 16:45	71-43-2		
Bromochloromethane	ND	mg/L	0.0050	1		04/21/15 16:45	74-97-5		
Bromodichloromethane	ND	mg/L	0.0050	1		04/21/15 16:45	75-27-4		
Bromoform	ND	mg/L	0.0050	1		04/21/15 16:45	75-25-2		
Bromomethane	ND	mg/L	0.0050	1		04/21/15 16:45	74-83-9		
2-Butanone (MEK)	ND	mg/L	0.099	1		04/21/15 16:45	78-93-3		
Carbon disulfide	ND	mg/L	0.099	1		04/21/15 16:45	75-15-0		
Carbon tetrachloride	ND	mg/L	0.0050	1		04/21/15 16:45	56-23-5		
Chlorobenzene	ND	mg/L	0.0050	1		04/21/15 16:45	108-90-7		
Chloroethane	ND	mg/L	0.0050	1		04/21/15 16:45	75-00-3		
Chloroform	ND	mg/L	0.0050	1		04/21/15 16:45	67-66-3		
Chloromethane	ND	mg/L	0.0050	1		04/21/15 16:45	74-87-3		
1,2-Dibromo-3-chloropropane	ND	mg/L	0.0050	1		04/21/15 16:45	96-12-8		
Dibromochloromethane	ND	mg/L	0.0050	1		04/21/15 16:45	124-48-1		
1,2-Dibromoethane (EDB)	ND	mg/L	0.0010	1		04/21/15 16:45	106-93-4		
Dibromomethane	ND	mg/L	0.0050	1		04/21/15 16:45	74-95-3		
1,2-Dichlorobenzene	ND	mg/L	0.0050	1		04/21/15 16:45	95-50-1		
1,4-Dichlorobenzene	ND	mg/L	0.0050	1		04/21/15 16:45	106-46-7		
trans-1,4-Dichloro-2-butene	ND	mg/L	0.099	1		04/21/15 16:45	110-57-6		
1,1-Dichloroethane	ND	mg/L	0.0050	1		04/21/15 16:45	75-34-3		
1,2-Dichloroethane	ND	mg/L	0.0050	1		04/21/15 16:45	107-06-2		
1,1-Dichloroethene	ND	mg/L	0.0050	1		04/21/15 16:45	75-35-4		
cis-1,2-Dichloroethene	ND	mg/L	0.0050	1		04/21/15 16:45	156-59-2		
trans-1,2-Dichloroethene	ND	mg/L	0.0050	1		04/21/15 16:45	156-60-5		
1,2-Dichloropropane	ND	mg/L	0.0050	1		04/21/15 16:45	78-87-5		
cis-1,3-Dichloropropene	ND	mg/L	0.0050	1		04/21/15 16:45	10061-01-5		
trans-1,3-Dichloropropene	ND	mg/L	0.0050	1		04/21/15 16:45	10061-02-6		
Ethylbenzene	ND	mg/L	0.0050	1		04/21/15 16:45	100-41-4		
2-Hexanone	ND	mg/L	0.050	1		04/21/15 16:45	591-78-6		
Iodomethane	ND	mg/L	0.0050	1		04/21/15 16:45	74-88-4		
Methylene Chloride	ND	mg/L	0.0050	1		04/21/15 16:45	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	mg/L	0.050	1		04/21/15 16:45	108-10-1		
Styrene	ND	mg/L	0.0050	1		04/21/15 16:45	100-42-5		
1,1,1,2-Tetrachloroethane	ND	mg/L	0.0050	1		04/21/15 16:45	630-20-6		
1,1,2,2-Tetrachloroethane	ND	mg/L	0.0050	1		04/21/15 16:45	79-34-5		
Tetrachloroethene	ND	mg/L	0.0050	1		04/21/15 16:45	127-18-4		
Toluene	ND	mg/L	0.0050	1		04/21/15 16:45	108-88-3		
1,1,1-Trichloroethane	ND	mg/L	0.0050	1		04/21/15 16:45	71-55-6		
1,1,2-Trichloroethane	ND	mg/L	0.0050	1		04/21/15 16:45	79-00-5		
Trichloroethene	ND	mg/L	0.0050	1		04/21/15 16:45	79-01-6		
Trichlorofluoromethane	ND	mg/L	0.0050	1		04/21/15 16:45	75-69-4		
1,2,3-Trichloropropane	ND	mg/L	0.0050	1		04/21/15 16:45	96-18-4		
Vinyl acetate	ND	mg/L	0.0050	1		04/21/15 16:45	108-05-4		
Vinyl chloride	ND	mg/L	0.0020	1		04/21/15 16:45	75-01-4		
Xylene (Total)	ND	mg/L	0.0050	1		04/21/15 16:45	1330-20-7		
Surrogates									
4-Bromofluorobenzene (S)	99	%	80-114	1		04/21/15 16:45	460-00-4		

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ANALYTICAL RESULTS

Project: Green Valley GW 2Q 2015

Pace Project No.: 50116556

Sample: MW-1B		Lab ID: 50116556008		Collected: 04/14/15 10:32		Received: 04/15/15 10:25		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
8260 MSV Low Level		Analytical Method: EPA 5030B/8260							
Surrogates									
Dibromofluoromethane (S)	100	%.	79-116	1		04/21/15 16:45	1868-53-7		
Toluene-d8 (S)	102	%.	81-110	1		04/21/15 16:45	2037-26-5		
2540C Total Dissolved Solids		Analytical Method: SM 2540C							
Total Dissolved Solids	341	mg/L	10.0	1		04/20/15 09:16			
410.4 COD		Analytical Method: EPA 410.4 Preparation Method: EPA 410.4							
Chemical Oxygen Demand	ND	mg/L	10.0	1	04/27/15 09:00	04/27/15 13:01			
5310C TOC		Analytical Method: SM 5310C							
Total Organic Carbon	ND	mg/L	1.0	1		04/18/15 04:24	7440-44-0		

Sample: FB		Lab ID: 50116556009		Collected: 04/14/15 09:55		Received: 04/15/15 10:25		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
8011 GCS EDB and DBCP		Analytical Method: EPA 8011 Preparation Method: EPA 8011							
1,2-Dibromo-3-chloropropane	ND	mg/L	0.00021	1	04/23/15 18:55	04/23/15 23:17	96-12-8		
1,2-Dibromoethane (EDB)	ND	mg/L	0.000051	1	04/23/15 18:55	04/23/15 23:17	106-93-4		
Surrogates									
4-Bromofluorobenzene (S)	95	%.	50-150	1	04/23/15 18:55	04/23/15 23:17	460-00-4		
9056 IC Anions 48hr		Analytical Method: EPA 9056							
Nitrate as N	ND	mg/L	0.050	1		04/16/15 09:33	14797-55-8		
9056 IC Anions		Analytical Method: EPA 9056							
Chloride	ND	mg/L	0.25	1		04/16/15 09:33	16887-00-6		
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Antimony	ND	mg/L	0.0060	1	04/22/15 14:25	04/22/15 22:47	7440-36-0		
Barium	ND	mg/L	0.010	1	04/22/15 14:25	04/22/15 22:47	7440-39-3		
Beryllium	ND	mg/L	0.010	1	04/22/15 14:25	04/22/15 22:47	7440-41-7		
Cadmium	ND	mg/L	0.0050	1	04/22/15 14:25	04/22/15 22:47	7440-43-9		
Chromium	ND	mg/L	0.020	1	04/22/15 14:25	04/22/15 22:47	7440-47-3		
Cobalt	ND	mg/L	0.020	1	04/22/15 14:25	04/22/15 22:47	7440-48-4		
Copper	ND	mg/L	0.010	1	04/22/15 14:25	04/22/15 22:47	7440-50-8		
Iron	0.021	mg/L	0.020	1	04/22/15 14:25	04/22/15 22:47	7439-89-6		
Lead	ND	mg/L	0.030	1	04/22/15 14:25	04/22/15 22:47	7439-92-1		
Nickel	ND	mg/L	0.020	1	04/22/15 14:25	04/22/15 22:47	7440-02-0		
Silver	ND	mg/L	0.010	1	04/22/15 14:25	04/22/15 22:47	7440-22-4		
Sodium	ND	mg/L	0.10	1	04/22/15 14:25	04/22/15 22:47	7440-23-5		
Vanadium	ND	mg/L	0.25	1	04/22/15 14:25	04/22/15 22:47	7440-62-2		
Zinc	0.046	mg/L	0.010	1	04/22/15 14:25	04/22/15 22:47	7440-66-6		

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ANALYTICAL RESULTS

Project: Green Valley GW 2Q 2015
Pace Project No.: 50116556

Sample: FB		Lab ID: 50116556009		Collected: 04/14/15 09:55		Received: 04/15/15 10:25		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
6020 MET ICPMS		Analytical Method: EPA 6020 Preparation Method: EPA 200.2							
Arsenic	ND	mg/L	0.0010	1	04/20/15 09:00	04/20/15 23:14	7440-38-2		
Selenium	ND	mg/L	0.0010	1	04/20/15 09:00	04/20/15 23:14	7782-49-2		
Thallium	ND	mg/L	0.0020	1	04/20/15 09:00	04/20/15 23:14	7440-28-0		
7470 Mercury		Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	04/21/15 11:10	04/22/15 09:48	7439-97-6		
8260 MSV Low Level		Analytical Method: EPA 5030B/8260							
Acetone	ND	mg/L	0.099	1		04/21/15 17:11	67-64-1		
Acrolein	ND	mg/L	0.060	1		04/21/15 17:11	107-02-8		
Acrylonitrile	ND	mg/L	0.060	1		04/21/15 17:11	107-13-1		
Benzene	ND	mg/L	0.0050	1		04/21/15 17:11	71-43-2		
Bromochloromethane	ND	mg/L	0.0050	1		04/21/15 17:11	74-97-5		
Bromodichloromethane	ND	mg/L	0.0050	1		04/21/15 17:11	75-27-4		
Bromoform	ND	mg/L	0.0050	1		04/21/15 17:11	75-25-2		
Bromomethane	ND	mg/L	0.0050	1		04/21/15 17:11	74-83-9		
2-Butanone (MEK)	ND	mg/L	0.099	1		04/21/15 17:11	78-93-3		
Carbon disulfide	ND	mg/L	0.099	1		04/21/15 17:11	75-15-0		
Carbon tetrachloride	ND	mg/L	0.0050	1		04/21/15 17:11	56-23-5		
Chlorobenzene	ND	mg/L	0.0050	1		04/21/15 17:11	108-90-7		
Chloroethane	ND	mg/L	0.0050	1		04/21/15 17:11	75-00-3		
Chloroform	ND	mg/L	0.0050	1		04/21/15 17:11	67-66-3		
Chloromethane	ND	mg/L	0.0050	1		04/21/15 17:11	74-87-3		
1,2-Dibromo-3-chloropropane	ND	mg/L	0.0050	1		04/21/15 17:11	96-12-8		
Dibromochloromethane	ND	mg/L	0.0050	1		04/21/15 17:11	124-48-1		
1,2-Dibromoethane (EDB)	ND	mg/L	0.0010	1		04/21/15 17:11	106-93-4		
Dibromomethane	ND	mg/L	0.0050	1		04/21/15 17:11	74-95-3		
1,2-Dichlorobenzene	ND	mg/L	0.0050	1		04/21/15 17:11	95-50-1		
1,4-Dichlorobenzene	ND	mg/L	0.0050	1		04/21/15 17:11	106-46-7		
trans-1,4-Dichloro-2-butene	ND	mg/L	0.099	1		04/21/15 17:11	110-57-6		
1,1-Dichloroethane	ND	mg/L	0.0050	1		04/21/15 17:11	75-34-3		
1,2-Dichloroethane	ND	mg/L	0.0050	1		04/21/15 17:11	107-06-2		
1,1-Dichloroethene	ND	mg/L	0.0050	1		04/21/15 17:11	75-35-4		
cis-1,2-Dichloroethene	ND	mg/L	0.0050	1		04/21/15 17:11	156-59-2		
trans-1,2-Dichloroethene	ND	mg/L	0.0050	1		04/21/15 17:11	156-60-5		
1,2-Dichloropropane	ND	mg/L	0.0050	1		04/21/15 17:11	78-87-5		
cis-1,3-Dichloropropene	ND	mg/L	0.0050	1		04/21/15 17:11	10061-01-5		
trans-1,3-Dichloropropene	ND	mg/L	0.0050	1		04/21/15 17:11	10061-02-6		
Ethylbenzene	ND	mg/L	0.0050	1		04/21/15 17:11	100-41-4		
2-Hexanone	ND	mg/L	0.050	1		04/21/15 17:11	591-78-6		
Iodomethane	ND	mg/L	0.0050	1		04/21/15 17:11	74-88-4		
Methylene Chloride	ND	mg/L	0.0050	1		04/21/15 17:11	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	mg/L	0.050	1		04/21/15 17:11	108-10-1		
Styrene	ND	mg/L	0.0050	1		04/21/15 17:11	100-42-5		
1,1,1,2-Tetrachloroethane	ND	mg/L	0.0050	1		04/21/15 17:11	630-20-6		
1,1,2,2-Tetrachloroethane	ND	mg/L	0.0050	1		04/21/15 17:11	79-34-5		

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ANALYTICAL RESULTS

Project: Green Valley GW 2Q 2015

Pace Project No.: 50116556

Sample: FB		Lab ID: 50116556009		Collected: 04/14/15 09:55		Received: 04/15/15 10:25		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
8260 MSV Low Level		Analytical Method: EPA 5030B/8260							
Tetrachloroethene	ND	mg/L	0.0050	1		04/21/15 17:11	127-18-4		
Toluene	ND	mg/L	0.0050	1		04/21/15 17:11	108-88-3		
1,1,1-Trichloroethane	ND	mg/L	0.0050	1		04/21/15 17:11	71-55-6		
1,1,2-Trichloroethane	ND	mg/L	0.0050	1		04/21/15 17:11	79-00-5		
Trichloroethene	ND	mg/L	0.0050	1		04/21/15 17:11	79-01-6		
Trichlorofluoromethane	ND	mg/L	0.0050	1		04/21/15 17:11	75-69-4		
1,2,3-Trichloropropane	ND	mg/L	0.0050	1		04/21/15 17:11	96-18-4		
Vinyl acetate	ND	mg/L	0.0050	1		04/21/15 17:11	108-05-4		
Vinyl chloride	ND	mg/L	0.0020	1		04/21/15 17:11	75-01-4		
Xylene (Total)	ND	mg/L	0.0050	1		04/21/15 17:11	1330-20-7		
Surrogates									
4-Bromofluorobenzene (S)	100	%	80-114	1		04/21/15 17:11	460-00-4		
Dibromofluoromethane (S)	102	%	79-116	1		04/21/15 17:11	1868-53-7		
Toluene-d8 (S)	103	%	81-110	1		04/21/15 17:11	2037-26-5		
2540C Total Dissolved Solids		Analytical Method: SM 2540C							
Total Dissolved Solids	ND	mg/L	10.0	1		04/20/15 09:17			
410.4 COD		Analytical Method: EPA 410.4 Preparation Method: EPA 410.4							
Chemical Oxygen Demand	ND	mg/L	10.0	1	04/27/15 09:00	04/27/15 13:01			
5310C TOC		Analytical Method: SM 5310C							
Total Organic Carbon	ND	mg/L	1.0	1		04/18/15 04:24	7440-44-0		

Sample: TRIP BLANK		Lab ID: 50116556010		Collected: 04/14/15 08:00		Received: 04/15/15 10:25		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP		Analytical Method: EPA 8011 Preparation Method: EPA 8011							
1,2-Dibromo-3-chloropropane		ND	mg/L	0.00020	1	04/23/15 18:55	04/23/15 23:25	96-12-8	
1,2-Dibromoethane (EDB)		ND	mg/L	0.000050	1	04/23/15 18:55	04/23/15 23:25	106-93-4	
Surrogates									
4-Bromofluorobenzene (S)		96	%	50-150	1	04/23/15 18:55	04/23/15 23:25	460-00-4	
8260 MSV Low Level		Analytical Method: EPA 5030B/8260							
Acetone		ND	mg/L	0.099	1		04/21/15 17:37	67-64-1	
Acrolein		ND	mg/L	0.060	1		04/21/15 17:37	107-02-8	
Acrylonitrile		ND	mg/L	0.060	1		04/21/15 17:37	107-13-1	
Benzene		ND	mg/L	0.0050	1		04/21/15 17:37	71-43-2	
Bromochloromethane		ND	mg/L	0.0050	1		04/21/15 17:37	74-97-5	
Bromodichloromethane		ND	mg/L	0.0050	1		04/21/15 17:37	75-27-4	
Bromoform		ND	mg/L	0.0050	1		04/21/15 17:37	75-25-2	
Bromomethane		ND	mg/L	0.0050	1		04/21/15 17:37	74-83-9	
2-Butanone (MEK)		ND	mg/L	0.099	1		04/21/15 17:37	78-93-3	
Carbon disulfide		ND	mg/L	0.099	1		04/21/15 17:37	75-15-0	

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ANALYTICAL RESULTS

Project: Green Valley GW 2Q 2015

Pace Project No.: 50116556

Sample: TRIP BLANK		Lab ID: 50116556010		Collected: 04/14/15 08:00		Received: 04/15/15 10:25		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
8260 MSV Low Level		Analytical Method: EPA 5030B/8260							
Carbon tetrachloride	ND	mg/L	0.0050	1		04/21/15 17:37	56-23-5		
Chlorobenzene	ND	mg/L	0.0050	1		04/21/15 17:37	108-90-7		
Chloroethane	ND	mg/L	0.0050	1		04/21/15 17:37	75-00-3		
Chloroform	ND	mg/L	0.0050	1		04/21/15 17:37	67-66-3		
Chloromethane	ND	mg/L	0.0050	1		04/21/15 17:37	74-87-3		
1,2-Dibromo-3-chloropropane	ND	mg/L	0.0050	1		04/21/15 17:37	96-12-8		
Dibromochloromethane	ND	mg/L	0.0050	1		04/21/15 17:37	124-48-1		
1,2-Dibromoethane (EDB)	ND	mg/L	0.0010	1		04/21/15 17:37	106-93-4		
Dibromomethane	ND	mg/L	0.0050	1		04/21/15 17:37	74-95-3		
1,2-Dichlorobenzene	ND	mg/L	0.0050	1		04/21/15 17:37	95-50-1		
1,4-Dichlorobenzene	ND	mg/L	0.0050	1		04/21/15 17:37	106-46-7		
trans-1,4-Dichloro-2-butene	ND	mg/L	0.099	1		04/21/15 17:37	110-57-6		
1,1-Dichloroethane	ND	mg/L	0.0050	1		04/21/15 17:37	75-34-3		
1,2-Dichloroethane	ND	mg/L	0.0050	1		04/21/15 17:37	107-06-2		
1,1-Dichloroethene	ND	mg/L	0.0050	1		04/21/15 17:37	75-35-4		
cis-1,2-Dichloroethene	ND	mg/L	0.0050	1		04/21/15 17:37	156-59-2		
trans-1,2-Dichloroethene	ND	mg/L	0.0050	1		04/21/15 17:37	156-60-5		
1,2-Dichloropropane	ND	mg/L	0.0050	1		04/21/15 17:37	78-87-5		
cis-1,3-Dichloropropene	ND	mg/L	0.0050	1		04/21/15 17:37	10061-01-5		
trans-1,3-Dichloropropene	ND	mg/L	0.0050	1		04/21/15 17:37	10061-02-6		
Ethylbenzene	ND	mg/L	0.0050	1		04/21/15 17:37	100-41-4		
2-Hexanone	ND	mg/L	0.050	1		04/21/15 17:37	591-78-6		
Iodomethane	ND	mg/L	0.0050	1		04/21/15 17:37	74-88-4		
Methylene Chloride	ND	mg/L	0.0050	1		04/21/15 17:37	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	mg/L	0.050	1		04/21/15 17:37	108-10-1		
Styrene	ND	mg/L	0.0050	1		04/21/15 17:37	100-42-5		
1,1,1,2-Tetrachloroethane	ND	mg/L	0.0050	1		04/21/15 17:37	630-20-6		
1,1,2,2-Tetrachloroethane	ND	mg/L	0.0050	1		04/21/15 17:37	79-34-5		
Tetrachloroethene	ND	mg/L	0.0050	1		04/21/15 17:37	127-18-4		
Toluene	ND	mg/L	0.0050	1		04/21/15 17:37	108-88-3		
1,1,1-Trichloroethane	ND	mg/L	0.0050	1		04/21/15 17:37	71-55-6		
1,1,2-Trichloroethane	ND	mg/L	0.0050	1		04/21/15 17:37	79-00-5		
Trichloroethene	ND	mg/L	0.0050	1		04/21/15 17:37	79-01-6		
Trichlorofluoromethane	ND	mg/L	0.0050	1		04/21/15 17:37	75-69-4		
1,2,3-Trichloropropane	ND	mg/L	0.0050	1		04/21/15 17:37	96-18-4		
Vinyl acetate	ND	mg/L	0.0050	1		04/21/15 17:37	108-05-4		
Vinyl chloride	ND	mg/L	0.0020	1		04/21/15 17:37	75-01-4		
Xylene (Total)	ND	mg/L	0.0050	1		04/21/15 17:37	1330-20-7		
Surrogates									
4-Bromofluorobenzene (S)	96	%	80-114	1		04/21/15 17:37	460-00-4		
Dibromofluoromethane (S)	100	%	79-116	1		04/21/15 17:37	1868-53-7		
Toluene-d8 (S)	100	%	81-110	1		04/21/15 17:37	2037-26-5		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Green Valley GW 2Q 2015
Pace Project No.: 50116556

QC Batch: GCSV/15102 Analysis Method: EPA 8011
QC Batch Method: EPA 8011 Analysis Description: GCS 8011 EDB DBCP
Associated Lab Samples: 50116556001, 50116556002, 50116556003, 50116556004, 50116556005, 50116556006, 50116556007, 50116556008, 50116556009, 50116556010

METHOD BLANK: 1280865 Matrix: Water
Associated Lab Samples: 50116556001, 50116556002, 50116556003, 50116556004, 50116556005, 50116556006, 50116556007, 50116556008, 50116556009, 50116556010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2-Dibromo-3-chloropropane	mg/L	ND	0.00020	04/23/15 21:50	
1,2-Dibromoethane (EDB)	mg/L	ND	0.000050	04/23/15 21:50	
4-Bromofluorobenzene (S)	%	115	50-150	04/23/15 21:50	

LABORATORY CONTROL SAMPLE: 1280866

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromo-3-chloropropane	mg/L	.00025	0.00025	100	60-140	
1,2-Dibromoethane (EDB)	mg/L	.00025	0.00025	100	60-140	
4-Bromofluorobenzene (S)	%			113	50-150	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1280867 1280868

Parameter	Units	50116556001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
1,2-Dibromo-3-chloropropane	mg/L	ND	.00025	.00025	0.00022	0.00022	89	88	60-140	1	20
1,2-Dibromoethane (EDB)	mg/L	ND	.00025	.00025	0.00020	0.00018	78	71	60-140	10	20
4-Bromofluorobenzene (S)	%						95	99	50-150		

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QUALITY CONTROL DATA

Project: Green Valley GW 2Q 2015
Pace Project No.: 50116556

QC Batch: GCSV/14996 Analysis Method: EPA 9056
QC Batch Method: EPA 9056 Analysis Description: 9056 IC Anions
Associated Lab Samples: 50116556001, 50116556002, 50116556003, 50116556004, 50116556005

METHOD BLANK: 1275019 Matrix: Water
Associated Lab Samples: 50116556001, 50116556002, 50116556003, 50116556004, 50116556005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrate as N	mg/L	ND	0.050	04/14/15 18:31	

LABORATORY CONTROL SAMPLE: 1275020

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrate as N	mg/L	.5	0.48	96	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1275021 1275022

Parameter	Units	50116556001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
Nitrate as N	mg/L	0.097	.5	.5	0.56	0.56	92	92	80-120	0 15	

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QUALITY CONTROL DATA

Project: Green Valley GW 2Q 2015
Pace Project No.: 50116556

QC Batch: GCSV/15012 Analysis Method: EPA 9056
QC Batch Method: EPA 9056 Analysis Description: 9056 IC Anions
Associated Lab Samples: 50116556006, 50116556007, 50116556008, 50116556009

METHOD BLANK: 1275885 Matrix: Water
Associated Lab Samples: 50116556006, 50116556007, 50116556008, 50116556009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrate as N	mg/L	ND	0.050	04/15/15 19:57	

LABORATORY CONTROL SAMPLE: 1275886

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrate as N	mg/L	.5	0.47	94	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1275887 1275888

Parameter	Units	50116556006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
Nitrate as N	mg/L	0.093	.5	.5	0.55	0.56	91	93	80-120	2 15	

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QUALITY CONTROL DATA

Project: Green Valley GW 2Q 2015
Pace Project No.: 50116556

QC Batch: GCSV/14997 Analysis Method: EPA 9056
QC Batch Method: EPA 9056 Analysis Description: 9056 IC Anions
Associated Lab Samples: 50116556001, 50116556002, 50116556003, 50116556004, 50116556005

METHOD BLANK: 1275024 Matrix: Water
Associated Lab Samples: 50116556001, 50116556002, 50116556003, 50116556004, 50116556005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	mg/L	ND	0.25	04/14/15 18:31	

LABORATORY CONTROL SAMPLE: 1275025

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	1.2	1.2	96	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1275026 1275027

Parameter	Units	50116556001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
Chloride	mg/L	29.5	12.5	12.5	41.7	41.8	98	98	80-120	0 15	

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QUALITY CONTROL DATA

Project: Green Valley GW 2Q 2015

Pace Project No.: 50116556

QC Batch:	GCSV/15013	Analysis Method:	EPA 9056
QC Batch Method:	EPA 9056	Analysis Description:	9056 IC Anions
Associated Lab Samples: 50116556006, 50116556007, 50116556008, 50116556009			

METHOD BLANK: 1275904 Matrix: Water
Associated Lab Samples: 50116556006, 50116556007, 50116556008, 50116556009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	mg/L	ND	0.25	04/15/15 19:57	

LABORATORY CONTROL SAMPLE: 1275905

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	1.2	1.2	94	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1275906 1275907

Parameter	Units	50116556006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
Chloride	mg/L	1.2	1.2	1.2	2.4	2.4	92	92	80-120	0 15	

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QUALITY CONTROL DATA

Project: Green Valley GW 2Q 2015
Pace Project No.: 50116556

QC Batch: MERP/6287 Analysis Method: EPA 7470
QC Batch Method: EPA 7470 Analysis Description: 7470 Mercury
Associated Lab Samples: 50116556001, 50116556002, 50116556003, 50116556004, 50116556005, 50116556006, 50116556007, 50116556008, 50116556009

METHOD BLANK: 1279078 Matrix: Water
Associated Lab Samples: 50116556001, 50116556002, 50116556003, 50116556004, 50116556005, 50116556006, 50116556007, 50116556008, 50116556009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	ND	0.20	04/22/15 08:52	

LABORATORY CONTROL SAMPLE: 1279079

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	5	5.0	101	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1279080 1279081

Parameter	Units	50116160001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
Mercury	ug/L	ND	5	5	5.5	5.4	109	108	75-125	1 20	

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QUALITY CONTROL DATA

Project: Green Valley GW 2Q 2015

Pace Project No.: 50116556

QC Batch: MPRP/15933 Analysis Method: EPA 6010
QC Batch Method: EPA 3010 Analysis Description: 6010 MET
Associated Lab Samples: 50116556001, 50116556002, 50116556003, 50116556004, 50116556005

METHOD BLANK: 1277342 Matrix: Water
Associated Lab Samples: 50116556001, 50116556002, 50116556003, 50116556004, 50116556005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Antimony	mg/L	ND	0.0060	04/22/15 14:06	1d
Barium	mg/L	ND	0.010	04/22/15 14:06	
Beryllium	mg/L	ND	0.010	04/22/15 14:06	
Cadmium	mg/L	ND	0.0050	04/22/15 14:06	
Chromium	mg/L	ND	0.020	04/22/15 14:06	
Cobalt	mg/L	ND	0.020	04/22/15 14:06	
Copper	mg/L	ND	0.010	04/22/15 14:06	
Iron	mg/L	ND	0.020	04/22/15 14:06	
Lead	mg/L	ND	0.030	04/22/15 14:06	
Nickel	mg/L	ND	0.020	04/22/15 14:06	
Silver	mg/L	ND	0.010	04/22/15 14:06	
Sodium	mg/L	ND	0.10	04/22/15 14:06	
Vanadium	mg/L	ND	0.25	04/22/15 14:06	
Zinc	mg/L	ND	0.010	04/22/15 14:06	

LABORATORY CONTROL SAMPLE: 1277343

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	1	1.0	102	80-120	
Barium	mg/L	1	0.99	99	80-120	
Beryllium	mg/L	1	0.97	97	80-120	
Cadmium	mg/L	1	0.98	98	80-120	
Chromium	mg/L	1	0.98	98	80-120	
Cobalt	mg/L	1	0.97	97	80-120	
Copper	mg/L	1	0.96	96	80-120	
Iron	mg/L	10	9.6	96	80-120	
Lead	mg/L	1	0.97	97	80-120	
Nickel	mg/L	1	0.97	97	80-120	
Silver	mg/L	.5	0.46	92	80-120	
Sodium	mg/L	10	9.6	96	80-120	
Vanadium	mg/L	1	1.0	102	80-120	
Zinc	mg/L	1	0.96	96	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1277344 1277345

Parameter	Units	50116556002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
Antimony	mg/L	ND	1	1	1.0	1.0	102	104	75-125	1 20	

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QUALITY CONTROL DATA

Project: Green Valley GW 2Q 2015
Pace Project No.: 50116556

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1277344 1277345												
Parameter	Units	50116556002		MS		MSD		MS		MSD		Qual
		Result	Conc.	Spike	Conc.	Result	Conc.	% Rec	% Rec	% Rec	Max	
											RPD	
Barium	mg/L	0.16	1	1	1	1.1	1.1	98	98	75-125	1	20
Beryllium	mg/L	ND	1	1	1	0.96	0.97	96	97	75-125	1	20
Cadmium	mg/L	ND	1	1	1	0.98	0.99	98	99	75-125	1	20
Chromium	mg/L	ND	1	1	1	0.96	0.97	96	97	75-125	1	20
Cobalt	mg/L	ND	1	1	1	0.95	0.96	95	96	75-125	1	20
Copper	mg/L	ND	1	1	1	0.95	0.99	95	99	75-125	4	20
Iron	mg/L	0.23	10	10	10	9.7	9.8	95	96	75-125	1	20
Lead	mg/L	ND	1	1	1	0.95	0.96	95	96	75-125	1	20
Nickel	mg/L	ND	1	1	1	0.95	0.96	95	96	75-125	1	20
Silver	mg/L	ND	.5	.5	.5	0.45	0.46	90	91	75-125	2	20
Sodium	mg/L	11.2	10	10	10	20.4	20.3	91	91	75-125	0	20
Vanadium	mg/L	ND	1	1	1	1.0	1.0	102	103	75-125	1	20
Zinc	mg/L	ND	1	1	1	0.95	0.96	95	96	75-125	1	20

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QUALITY CONTROL DATA

Project: Green Valley GW 2Q 2015

Pace Project No.: 50116556

QC Batch: MPRP/15983 Analysis Method: EPA 6010
QC Batch Method: EPA 3010 Analysis Description: 6010 MET
Associated Lab Samples: 50116556006, 50116556007, 50116556008, 50116556009

METHOD BLANK: 1280351 Matrix: Water
Associated Lab Samples: 50116556006, 50116556007, 50116556008, 50116556009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Antimony	mg/L	ND	0.0060	04/22/15 22:29	
Barium	mg/L	ND	0.010	04/22/15 22:29	
Beryllium	mg/L	ND	0.010	04/22/15 22:29	
Cadmium	mg/L	ND	0.0050	04/22/15 22:29	
Chromium	mg/L	ND	0.020	04/22/15 22:29	
Cobalt	mg/L	ND	0.020	04/22/15 22:29	
Copper	mg/L	ND	0.010	04/22/15 22:29	
Iron	mg/L	ND	0.020	04/22/15 22:29	
Lead	mg/L	ND	0.030	04/22/15 22:29	
Nickel	mg/L	ND	0.020	04/22/15 22:29	
Silver	mg/L	ND	0.010	04/22/15 22:29	
Sodium	mg/L	0.62	0.10	04/22/15 22:29	
Vanadium	mg/L	ND	0.25	04/22/15 22:29	
Zinc	mg/L	ND	0.010	04/22/15 22:29	

LABORATORY CONTROL SAMPLE: 1280352

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	1	0.98	98	80-120	
Barium	mg/L	1	0.94	94	80-120	
Beryllium	mg/L	1	0.95	95	80-120	
Cadmium	mg/L	1	0.94	94	80-120	
Chromium	mg/L	1	0.92	92	80-120	
Cobalt	mg/L	1	0.93	93	80-120	
Copper	mg/L	1	0.91	91	80-120	
Iron	mg/L	10	9.3	93	80-120	
Lead	mg/L	1	0.91	91	80-120	
Nickel	mg/L	1	0.93	93	80-120	
Silver	mg/L	.5	0.44	88	80-120	
Sodium	mg/L	10	9.6	96	80-120	
Vanadium	mg/L	1	0.96	96	80-120	
Zinc	mg/L	1	0.91	91	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1280353 1280354

Parameter	Units	50116725004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
Antimony	mg/L	ND	1	1	1.0	1.0	101	102	75-125	1 20	

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QUALITY CONTROL DATA

Project: Green Valley GW 2Q 2015
Pace Project No.: 50116556

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1280353 1280354

Parameter	Units	50116725004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	RPD	Qual
Barium	mg/L	83.4 ug/L	1	1	1.0	1.0	94	94	75-125	1	20	
Beryllium	mg/L	ND	1	1	0.96	0.96	96	96	75-125	0	20	
Cadmium	mg/L	ND	1	1	0.97	0.97	97	97	75-125	0	20	
Chromium	mg/L	ND	1	1	0.91	0.91	91	91	75-125	0	20	
Cobalt	mg/L	ND	1	1	0.91	0.91	91	91	75-125	0	20	
Copper	mg/L	ND	1	1	0.93	0.93	93	93	75-125	1	20	
Iron	mg/L	4290 ug/L	10	10	13.0	13.0	87	87	75-125	0	20	
Lead	mg/L	ND	1	1	0.86	0.86	86	86	75-125	0	20	
Nickel	mg/L	ND	1	1	0.90	0.90	90	90	75-125	0	20	
Silver	mg/L	ND	.5	.5	0.42	0.42	83	84	75-125	1	20	
Sodium	mg/L	299000 ug/L	10	10	311	318	123	190	75-125	2	20 P6	
Vanadium	mg/L	ND	1	1	0.99	0.99	98	98	75-125	0	20	
Zinc	mg/L	ND	1	1	0.92	0.91	91	90	75-125	1	20	

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QUALITY CONTROL DATA

Project: Green Valley GW 2Q 2015

Pace Project No.: 50116556

QC Batch: MPRP/15906 Analysis Method: EPA 6020
QC Batch Method: EPA 200.2 Analysis Description: 6020 MET
Associated Lab Samples: 50116556001, 50116556002, 50116556003, 50116556004, 50116556005

METHOD BLANK: 1275113 Matrix: Water
Associated Lab Samples: 50116556001, 50116556002, 50116556003, 50116556004, 50116556005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	mg/L	ND	0.0010	04/20/15 19:10	
Selenium	mg/L	ND	0.0010	04/20/15 19:10	
Thallium	mg/L	ND	0.0020	04/20/15 19:10	

LABORATORY CONTROL SAMPLE: 1275114

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/L	.04	0.039	97	80-120	
Selenium	mg/L	.04	0.038	96	80-120	
Thallium	mg/L	.04	0.043	106	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1275115 1275116

Parameter	Units	50116574001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
Arsenic	mg/L	9.1 ug/L	.04	.04	0.044	0.042	88	83	75-125	4	20
Selenium	mg/L	ND	.04	.04	0.037	0.035	91	86	75-125	5	20
Thallium	mg/L	0.046J ug/L	.04	.04	0.044	0.043	109	107	75-125	2	20

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QUALITY CONTROL DATA

Project: Green Valley GW 2Q 2015
Pace Project No.: 50116556

QC Batch: MPRP/15931 Analysis Method: EPA 6020
QC Batch Method: EPA 200.2 Analysis Description: 6020 MET
Associated Lab Samples: 50116556006, 50116556007, 50116556008, 50116556009

METHOD BLANK: 1277005 Matrix: Water
Associated Lab Samples: 50116556006, 50116556007, 50116556008, 50116556009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	mg/L	ND	0.0010	04/20/15 21:20	
Selenium	mg/L	ND	0.0010	04/20/15 21:20	
Thallium	mg/L	ND	0.0020	04/20/15 21:20	

LABORATORY CONTROL SAMPLE: 1277006

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/L	.04	0.036	89	80-120	
Selenium	mg/L	.04	0.036	89	80-120	
Thallium	mg/L	.04	0.041	104	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1277007 1277008

Parameter	Units	50116643001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
Arsenic	mg/L	ND	.04	.04	0.034	0.035	84	88	75-125	5	20
Selenium	mg/L	ND	.04	.04	0.034	0.036	85	89	75-125	4	20
Thallium	mg/L	ND	.04	.04	0.039	0.041	97	103	75-125	6	20

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Green Valley GW 2Q 2015

Pace Project No.: 50116556

QC Batch: MSV/75786

Analysis Method: EPA 5030B/8260

QC Batch Method: EPA 5030B/8260

Analysis Description: 8260 MSV Low Level

Associated Lab Samples: 50116556001, 50116556002, 50116556003, 50116556004, 50116556005, 50116556006, 50116556007, 50116556008, 50116556009, 50116556010

METHOD BLANK: 1278915

Matrix: Water

Associated Lab Samples: 50116556001, 50116556002, 50116556003, 50116556004, 50116556005, 50116556006, 50116556007, 50116556008, 50116556009, 50116556010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	mg/L	ND	0.0050	04/21/15 10:37	
1,1,1-Trichloroethane	mg/L	ND	0.0050	04/21/15 10:37	
1,1,2,2-Tetrachloroethane	mg/L	ND	0.0050	04/21/15 10:37	
1,1,2-Trichloroethane	mg/L	ND	0.0050	04/21/15 10:37	
1,1-Dichloroethane	mg/L	ND	0.0050	04/21/15 10:37	
1,1-Dichloroethene	mg/L	ND	0.0050	04/21/15 10:37	
1,2,3-Trichloropropane	mg/L	ND	0.0050	04/21/15 10:37	
1,2-Dibromo-3-chloropropane	mg/L	ND	0.0050	04/21/15 10:37	
1,2-Dibromoethane (EDB)	mg/L	ND	0.0010	04/21/15 10:37	
1,2-Dichlorobenzene	mg/L	ND	0.0050	04/21/15 10:37	
1,2-Dichloroethane	mg/L	ND	0.0050	04/21/15 10:37	
1,2-Dichloropropane	mg/L	ND	0.0050	04/21/15 10:37	
1,4-Dichlorobenzene	mg/L	ND	0.0050	04/21/15 10:37	
2-Butanone (MEK)	mg/L	ND	0.099	04/21/15 10:37	
2-Hexanone	mg/L	ND	0.050	04/21/15 10:37	
4-Methyl-2-pentanone (MIBK)	mg/L	ND	0.050	04/21/15 10:37	
Acetone	mg/L	ND	0.099	04/21/15 10:37	
Acrolein	mg/L	ND	0.060	04/21/15 10:37	
Acrylonitrile	mg/L	ND	0.060	04/21/15 10:37	
Benzene	mg/L	ND	0.0050	04/21/15 10:37	
Bromochloromethane	mg/L	ND	0.0050	04/21/15 10:37	
Bromodichloromethane	mg/L	ND	0.0050	04/21/15 10:37	
Bromoform	mg/L	ND	0.0050	04/21/15 10:37	
Bromomethane	mg/L	ND	0.0050	04/21/15 10:37	
Carbon disulfide	mg/L	ND	0.099	04/21/15 10:37	
Carbon tetrachloride	mg/L	ND	0.0050	04/21/15 10:37	
Chloroethane	mg/L	ND	0.0050	04/21/15 10:37	
Chloroform	mg/L	ND	0.0050	04/21/15 10:37	
Chloromethane	mg/L	ND	0.0050	04/21/15 10:37	
cis-1,2-Dichloroethene	mg/L	ND	0.0050	04/21/15 10:37	
cis-1,3-Dichloropropene	mg/L	ND	0.0050	04/21/15 10:37	
Dibromochloromethane	mg/L	ND	0.0050	04/21/15 10:37	
Dibromomethane	mg/L	ND	0.0050	04/21/15 10:37	
Ethylbenzene	mg/L	ND	0.0050	04/21/15 10:37	
Iodomethane	mg/L	ND	0.0050	04/21/15 10:37	
Methylene Chloride	mg/L	ND	0.0050	04/21/15 10:37	
Styrene	mg/L	ND	0.0050	04/21/15 10:37	
Tetrachloroethene	mg/L	ND	0.0050	04/21/15 10:37	
Toluene	mg/L	ND	0.0050	04/21/15 10:37	
trans-1,2-Dichloroethene	mg/L	ND	0.0050	04/21/15 10:37	

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QUALITY CONTROL DATA

Project: Green Valley GW 2Q 2015
Pace Project No.: 50116556

METHOD BLANK: 1278915

Matrix: Water

Associated Lab Samples: 50116556001, 50116556002, 50116556003, 50116556004, 50116556005, 50116556006, 50116556007, 50116556008, 50116556009, 50116556010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
trans-1,3-Dichloropropene	mg/L	ND	0.0050	04/21/15 10:37	
trans-1,4-Dichloro-2-butene	mg/L	ND	0.099	04/21/15 10:37	
Trichloroethene	mg/L	ND	0.0050	04/21/15 10:37	
Trichlorofluoromethane	mg/L	ND	0.0050	04/21/15 10:37	
Vinyl acetate	mg/L	ND	0.0050	04/21/15 10:37	
Vinyl chloride	mg/L	ND	0.0020	04/21/15 10:37	
Xylene (Total)	mg/L	ND	0.0050	04/21/15 10:37	
4-Bromofluorobenzene (S)	%	99	80-114	04/21/15 10:37	
Dibromofluoromethane (S)	%	99	79-116	04/21/15 10:37	
Toluene-d8 (S)	%	102	81-110	04/21/15 10:37	

LABORATORY CONTROL SAMPLE: 1278916

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	mg/L	.05	0.050	100	71-129	
1,1,2,2-Tetrachloroethane	mg/L	.05	0.050	101	66-126	
1,1-Dichloroethene	mg/L	.05	0.050	99	68-127	
1,2-Dichloropropane	mg/L	.05	0.048	96	74-121	
Benzene	mg/L	.05	0.051	103	74-122	
Chloroform	mg/L	.05	0.044	89	78-126	
Ethylbenzene	mg/L	.05	0.052	105	66-133	
Tetrachloroethene	mg/L	.05	0.054	107	69-130	
Toluene	mg/L	.05	0.051	101	72-122	
Trichloroethene	mg/L	.05	0.048	97	76-126	
Vinyl chloride	mg/L	.05	0.061	123	59-126	
Xylene (Total)	mg/L	.15	0.15	100	70-124	
4-Bromofluorobenzene (S)	%			99	80-114	
Dibromofluoromethane (S)	%			101	79-116	
Toluene-d8 (S)	%			101	81-110	

MATRIX SPIKE SAMPLE: 1278918

Parameter	Units	50116556002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	mg/L	ND	.05	0.035	69	60-138	
1,1,2,2-Tetrachloroethane	mg/L	ND	.05	0.049	97	55-128	
1,1-Dichloroethene	mg/L	ND	.05	0.032	64	55-145	
1,2-Dichloropropane	mg/L	ND	.05	0.043	86	59-130	
Benzene	mg/L	ND	.05	0.041	83	62-129	
Chloroform	mg/L	ND	.05	0.041	82	54-150	
Ethylbenzene	mg/L	ND	.05	0.030	60	28-153	
Tetrachloroethene	mg/L	ND	.05	0.028	57	33-151	
Toluene	mg/L	ND	.05	0.035	71	50-132	

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QUALITY CONTROL DATA

Project: Green Valley GW 2Q 2015

Pace Project No.: 50116556

MATRIX SPIKE SAMPLE: 1278918

Parameter	Units	50116556002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Trichloroethene	mg/L	ND	.05	0.033	65	50-143	
Vinyl chloride	mg/L	ND	.05	0.041	81	44-145	
Xylene (Total)	mg/L	ND	.15	0.090	60	29-145	
4-Bromofluorobenzene (S)	%				101	80-114	
Dibromofluoromethane (S)	%				101	79-116	
Toluene-d8 (S)	%				101	81-110	

SAMPLE DUPLICATE: 1278917

Parameter	Units	50116556001 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1,2-Tetrachloroethane	mg/L	ND	ND		20	
1,1,1-Trichloroethane	mg/L	ND	ND		20	
1,1,2,2-Tetrachloroethane	mg/L	ND	ND		20	
1,1,2-Trichloroethane	mg/L	ND	ND		20	
1,1-Dichloroethane	mg/L	ND	ND		20	
1,1-Dichloroethene	mg/L	ND	ND		20	
1,2,3-Trichloropropane	mg/L	ND	ND		20	
1,2-Dibromo-3-chloropropane	mg/L	ND	ND		20	
1,2-Dibromoethane (EDB)	mg/L	ND	ND		20	
1,2-Dichlorobenzene	mg/L	ND	ND		20	
1,2-Dichloroethane	mg/L	ND	ND		20	
1,2-Dichloropropane	mg/L	ND	ND		20	
1,4-Dichlorobenzene	mg/L	ND	ND		20	
2-Butanone (MEK)	mg/L	ND	ND		20	
2-Hexanone	mg/L	ND	ND		20	
4-Methyl-2-pentanone (MIBK)	mg/L	ND	ND		20	
Acetone	mg/L	ND	ND		20	
Acrolein	mg/L	ND	ND		20	
Acrylonitrile	mg/L	ND	ND		20	
Benzene	mg/L	ND	ND		20	
Bromochloromethane	mg/L	ND	ND		20	
Bromodichloromethane	mg/L	ND	ND		20	
Bromoform	mg/L	ND	ND		20	
Bromomethane	mg/L	ND	ND		20	
Carbon disulfide	mg/L	ND	ND		20	
Carbon tetrachloride	mg/L	ND	ND		20	
Chloroethane	mg/L	ND	ND		20	
Chloroform	mg/L	ND	ND		20	
Chloromethane	mg/L	ND	ND		20	
cis-1,2-Dichloroethene	mg/L	ND	ND		20	
cis-1,3-Dichloropropene	mg/L	ND	ND		20	
Dibromochloromethane	mg/L	ND	ND		20	
Dibromomethane	mg/L	ND	ND		20	
Ethylbenzene	mg/L	ND	ND		20	
Iodomethane	mg/L	ND	ND		20	

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2Q BWST
Cmn 15-01

June 5, 2015

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Kentucky Department for Environmental Protection
Division of Waste Management
Solid Waste Branch
200 Fair Oaks Lane, 2nd Floor
Frankfort, KY 40601

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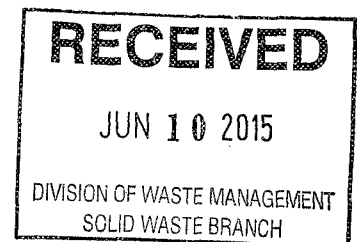
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Steve Jett, P.G.
Owner

Attachment: Groundwater Statistical Analysis Report (1 Copy)

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Pace Analytical Services, Inc.

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4860 Blazer Parkway

Dublin, OH 43017

(614)486-5421

Pace Analytical Services, Inc.

7726 Moller Road

Indianapolis, IN 46268

(317)228-3100

QUALITY CONTROL DATA

Project: Green Valley GW 2Q 2015

Pace Project No.: 50116556

QC Batch: WET/21145 Analysis Method: SM 2540C
QC Batch Method: SM 2540C Analysis Description: 2540C Total Dissolved Solids
Associated Lab Samples: 50116556001, 50116556002, 50116556003, 50116556004, 50116556005

METHOD BLANK: 1275338 Matrix: Water
Associated Lab Samples: 50116556001, 50116556002, 50116556003, 50116556004, 50116556005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	04/15/15 05:58	

LABORATORY CONTROL SAMPLE: 1275339

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	279	93	80-120	

SAMPLE DUPLICATE: 1275340

Parameter	Units	50116529001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	360	342	5	10	

SAMPLE DUPLICATE: 1275341

Parameter	Units	50116557004 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	386	389	1	10	

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Date: 05/15/2015 03:35 PM

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Dublin, OH 43017
(614)486-5421

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7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Green Valley GW 2Q 2015
Pace Project No.: 50116556

QC Batch: WET/21211 Analysis Method: SM 2540C
QC Batch Method: SM 2540C Analysis Description: 2540C Total Dissolved Solids
Associated Lab Samples: 50116556006, 50116556007, 50116556008, 50116556009

METHOD BLANK: 1277828 Matrix: Water
Associated Lab Samples: 50116556006, 50116556007, 50116556008, 50116556009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	04/20/15 09:07	

LABORATORY CONTROL SAMPLE: 1277829

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	287	96	80-120	

SAMPLE DUPLICATE: 1277830

Parameter	Units	50116723001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	331	324	2	10	

SAMPLE DUPLICATE: 1277831

Parameter	Units	50116723006 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	1480	1440	3	10	

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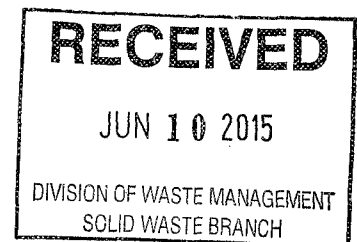
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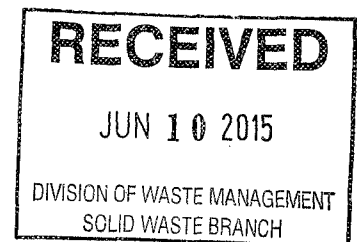
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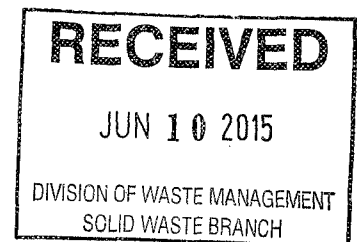
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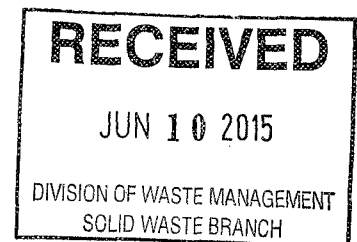
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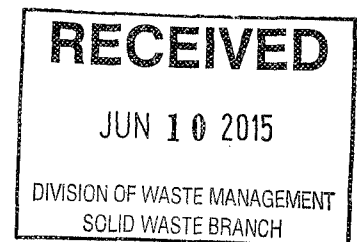
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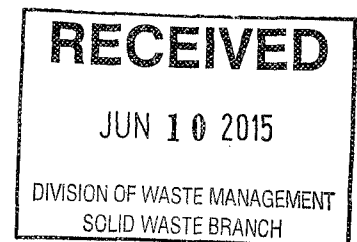
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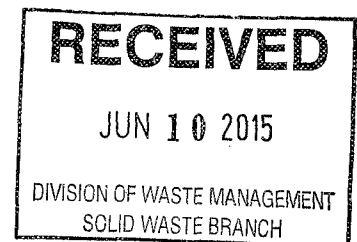
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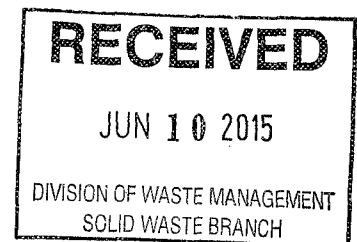
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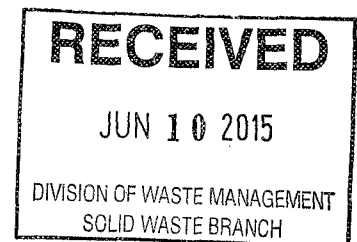
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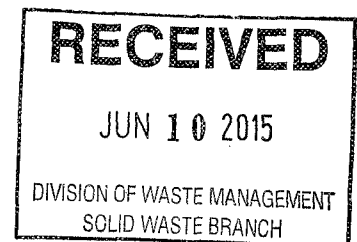
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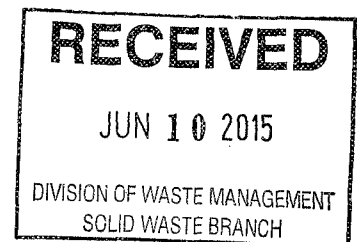
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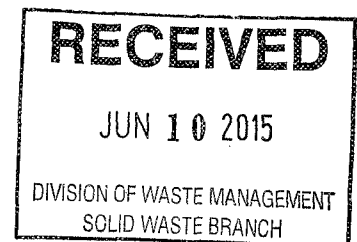
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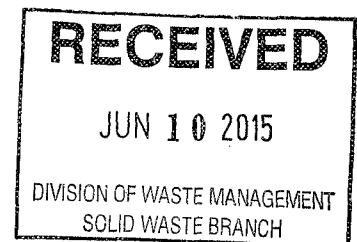
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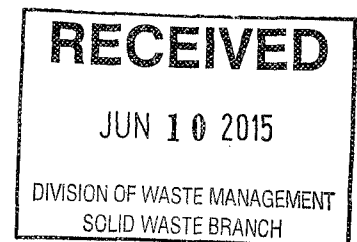
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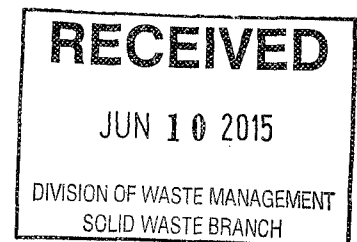
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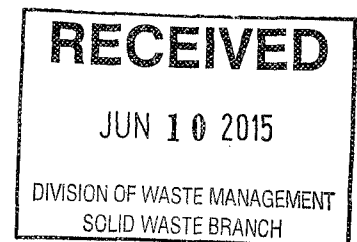
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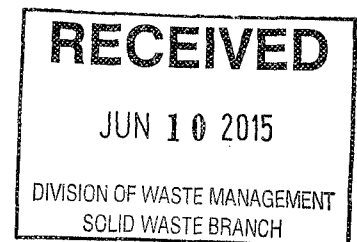
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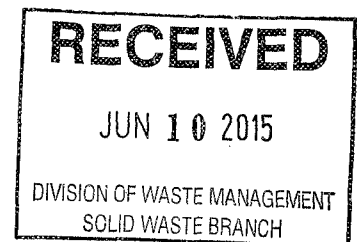
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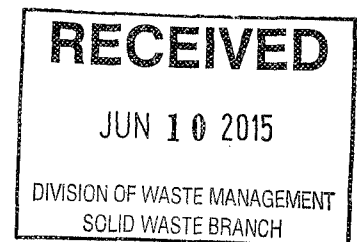
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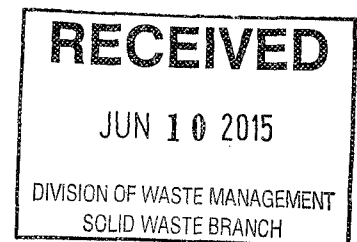
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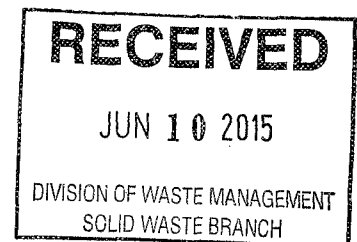
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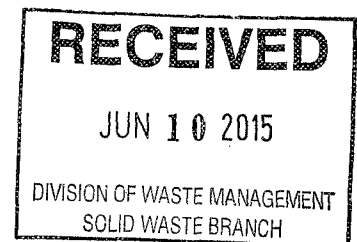
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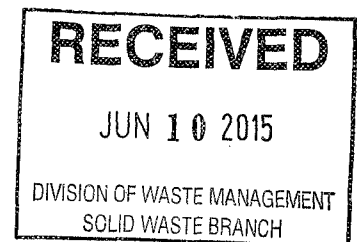
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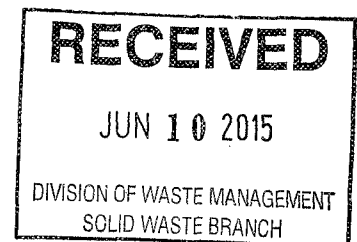
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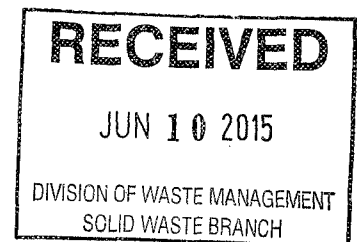
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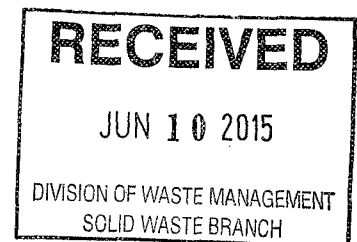
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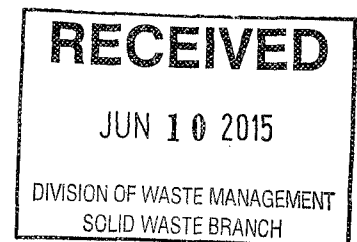
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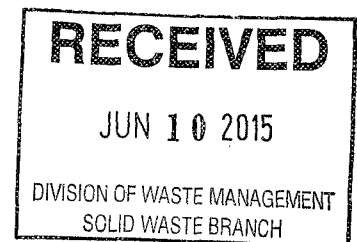
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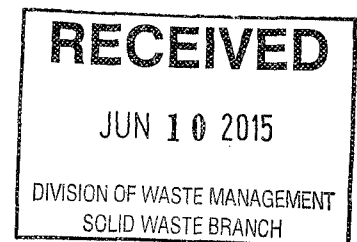
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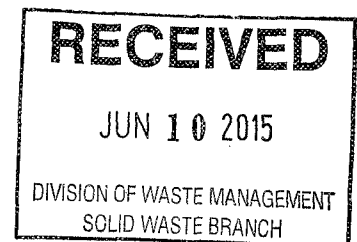
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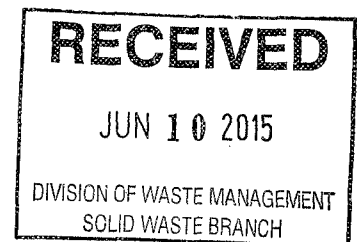
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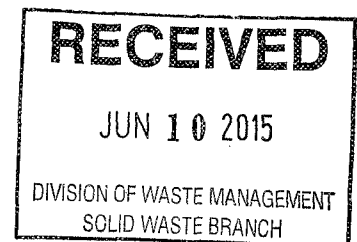
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Frankfort, KY 40601

**Re: Second Quarter 2015 Groundwater Sampling Event, Statistical Analysis Report
Green Valley Landfill, Ashland, Kentucky**

Dear Ms. DeLong:

On behalf of the Green Valley Landfill, Jett Environmental Consulting is submitting a hardcopy of the Second Quarter 2015 Groundwater Statistical Analysis Report.

If you have any questions or comments, please contact me at steve.jett@jettenviro.com or 314-496-4654.

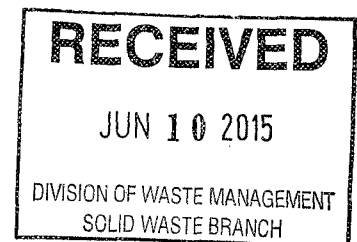
Sincerely,

A handwritten signature in black ink, appearing to read "Steve Jett", written over a horizontal line.

Steve Jett, P.G.
Owner

Attachment: Groundwater Statistical Analysis Report (1 Copy)

*cc: Green Valley Landfill (1 hardcopy)
Bill Chlebowy, Republic Services, Inc. (PDF via email)*



**GREEN VALLEY LANDFILL
GROUNDWATER ELEVATION DATA
2007006**

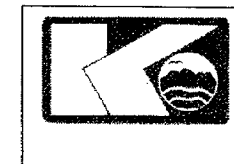
Well	Top of Casing	AKGWA #	Total Depth of Well	Depth to Water	Groundwater Elevation	Date	Time
MW-1	617.80	8000-8086	14.80	2.09	615.71	4/14/15	0905
MW-1A	618.60	8000-2931	41.00	0.00	618.60	4/14/15	0935
MW-1B	618.70	8000-2932	61.00	4.84	613.86	4/14/15	1010
MW-3	630.80	8000-8085	14.10	4.83	625.97	4/13/15	1335
MW-28C	674.40	8005-7101	12.90	4.01	670.39	4/13/15	1302
MW-28D	675.20	8005-7102	16.30	4.84	670.36	4/13/15	1205
MW-28E	677.00	8005-7103	27.30	8.37	668.63	4/13/15	1230

TECHNICIAN Bill F. Knorr, III / Ben T. Bray

DATE 4/13/15 - 4/14/15

QUARTER 2nd

KENVIRONS, INC.
 452 Versailles Road
 Frankfort, KY 40601
 502-695-4357
 502-695-4363 (fax)



Green Valley Landfill (2007006)

Well No.	Depth to water	Well Depth	AKGWA No.	Sample Collected		Well / Under Drain Dry	Insufficient Recharge
				YES	NO		
MW-1	2.09	14.80	8000-8086	☒	☐	☐	☐
MW-1A	0.00	41.00	8000-2931	☒	☐	☐	☐
MW-1B	4.84	61.00	8000-2932	☒	☐	☐	☐
MW-3	4.83	14.10	8000-8085	☒	☐	☐	☐
MW-28C	4.01	12.90	8000-2937	☒	☐	☐	☐
MW-28D	4.84	16.30	8000-2938	☒	☐	☐	☐
MW-28E	8.37	27.30	8000-2939	☒	☐	☐	☐
DUP		-	-	x			
FB		-	-	x			

Notes:

TECHNICIAN Bill F. Knarr, III / Ben T. Bray

DATE 4/13-4/14/15

Green Valley Signage Evaluation

	Sign Present	Condition			Comments
		Good	Fair	Poor	
Monitoring Wells					
MW - 1	☒ Y ☐ N	☒	☐	☐	Post needs painted.
MW - 1A	☒ Y ☐ N	☒	☐	☐	" " "
MW - 1B	☒ Y ☐ N	☒	☐	☐	" " "
MW - 3	☐ Y ☒ N	☐	☐	☐	
MW - 28C	☐ Y ☒ N	☐	☐	☐	
MW - 28D	☐ Y ☒ N	☐	☐	☐	
MW - 28E	☐ Y ☒ N	☐	☐	☐	
KPDES Discharges					
Discharge 001	☐ Y ☒ N	☐	☐	☐	
Discharge 003	☐ Y ☒ N	☐	☐	☐	
Surface Waters					
SW - 1A	☐ Y ☒ N	☐	☐	☐	
SW - 2	☒ Y ☐ N	☐	☒	☐	
SW - 3	☐ Y ☒ N	☐	☐	☐	
SW - 4	☒ Y ☐ N	☐	☒	☐	Very hard to get to sample point.
SW - 5	☐ Y ☒ N	☐	☐	☐	
SW - 6	☐ Y ☒ N	☐	☐	☐	

KENVIRONS INC., GROUNDWATER FIELD LOG

Site Name: Green Valley Landfill	Well No. mw-1	Total Depth (ft) 14.80	Initial Depth to Water (ft.) 2.09	Height of Water Column (ft.) 12.71	Date 4/14	Time 0905	Project No. 2007006					
Site Location Greenup Co., KY	AKGWA # 8000-8080	Casing Diameter ☒ 4" ☐ 2" Conversion fact. 4" - 0.6712" - 0.16	Measuring Point (ft. MSL) 617.80	Groundwater Elevation 615.71	Well Volume (gallons) 8.51	Z # —						
☒ Rain ☐ Sleet/Freezing Rain ☐ Snow ☐ Fog ☐ Clear ☐ Partly Cloudy ☐ Overcast ☐ Windy Temp. 60 (°F/°C)												
Time	ET (min)	Depth to Water (ft)	Purge Rate ml/min	Volume Purged (L)	Temp (°C)	Sp. Cond (µS or mS)	DO (mg/L)	pH (SU)	eH/ORP (mV)	Turbidity (ntu)	Cont./Pres.	#
0915	0	2.09	100	0	10.35	79	6.59	7.32	—	—	GA- 40ml Vials HCL	6
0918	3		100	.3	10.11	73	6.74	7.11	—	—	G- 40ml Vials HCL	
0921	6		100	.6	9.88	66	6.85	7.13	—	—	²⁵⁰ P-500 ml HNO ₃	1
0924	9	2.81	100	.9	9.88	61	6.87	7.15	—	—	P-500 ml H ₂ SO ₄	
											²⁵⁰ P-500 ml Unp.	1
											P-1L Unp.	
											P-1L NaOH	
											P-1L NaOH + Zn A	
											P-120 ml Unp.	
											GA- 250 ml H ₂ SO ₄	2
											GA- 250 ml H ₃ PO ₄	
											GA- 500 ml H ₂ SO ₄	
											GA- 1L Unp.	
											G- 1L Unp.	
Comments												
Turbidity meter malfunction. Lab to run turbidity.												
For Three (3) Consecutive Readings		Required Purge	Actual Purge	+/- 1 (°C)	+/- 10%	+/- .3 (Mg/L)	+/- .10 SU	+/- 10% mV	+/- 10% unless <10 NTU			
Well Cond.	Pad Cond	Lock Funct.	Bladder Pump	Casing S.S. ☐	Casing PVC ☒	Field Blank Collected Time:						
OK	OK	☒ Yes ☐ No	☒ Yes ☐ No	Filtered: ☐ Yes ☒ No	Split Sample ☐ Yes ☒ No With:							
Sample Time	Depth to Water (ft)	Color	Odor	Temp (°C)	Sp. Cond (µS or mS)	DO (mg/L)	pH (SU)	eH/ORP (mV)	Turbidity (ntu)	Appearance		
0925	2.81	None	None	9.88	61	6.87	7.15	—	—	clear		
☐ Annual		☐ Semi-Annual		☒ Quarterly		☐ Monthly		☐ Other		Duplicate Collected Time: DTW:		

Sampler(s)
Signature

B-00 P. K. M

Date 4/14/15

MONITORING WELL INTEGRITY FIELD SURVEY

Facility Name: Green Valley Landfill

Evaluator: BFK III

Evaluation Date: 4/14/15

Well Identification Number mw-1

AKGWA Number 8000-8086

	Y	N	NA	A
1) Is the well location appropriately shown on the facility permit/and or design drawing?	☒	☐	☐	☐
2) Are the wells in hard to find areas adequately flagged?	☒	☐	☐	☐
3) Is the elevation information correct?	☒	☐	☐	☐

Well Characteristics & Integrity

4) Is the well ☒ Aboveground? ☐ Flush with the surface?	☒	☐	☐	☐
5) No physical damage to well?	☒	☐	☐	☐
6) Is the well labeled on the inside?	☒	☐	☐	☐
7) Is the well labeled on the outside?	☒	☐	☐	☐
8) Does the well have protective posts (if warranted)?	☒	☐	☐	☐
9) No evidence of ponded water around the well?	☒	☐	☐	☐
10) Do aboveground well have weep holes at the base of the protective cover?	☒	☐	☐	☐
11) Does the area around the well appear to be clean? (i.e., no mounds of waste; no dead animals?	☒	☐	☐	☐
12) Is the casing secure (attempt to move along perpendicular axes)?	☒	☐	☐	☐
13) Is the surface seal void of differential erosion around and under the base?	☒	☐	☐	☐
14) Is the surface seal free of cracks?	☒	☐	☐	☐
15) Is the surface seal slope to prevent ponding in the immediate vicinity of the of the surface seal?	☒	☐	☐	☐
16) Is the monitoring well locked to prevent unauthorized access?	☒	☐	☐	☐
17) Is the cap void of large gaps which would breach security?	☒	☐	☐	☐
18) Is the locking cap free of rust?	☐	☒	☐	☐

Comments: Posts & well need painted.

NOTES: 1) Response box legend:

Y = YES

N = NO (A negative response must be identified as an "A" unless a comment is made that demonstrates compliance)

N/A = Not Applicable

2) Shaded boxes indicate that an issue and appropriate corrective action must be entered into CARS

KENVIRONS INC., GROUNDWATER FIELD LOG

Site Name: Green Valley Landfill	Well No. mw-1A	Total Depth (ft) 41.00	Initial Depth to Water (ft.) 0.00	Height of Water Column (ft.) 41.00	Date 4/14	Time 0935	Project No. 2007006					
Site Location Greenup Co., KY	AKGWA # 8000 - 2931	Casing Diameter ☒ 4" ☐ 2" Conversion fact. 4" - 0.67/2" - 0.16	Measuring Point (ft. MSL) 618.60	Groundwater Elevation 618.60	Well Volume (gallons) 27.47	Z # —						
☒ Rain ☐ Sleet/Freezing Rain ☐ Snow ☐ Fog ☐ Clear ☐ Partly Cloudy ☐ Overcast ☐ Windy Temp. 60 (F) / C°												
Time	ET (min)	Depth to Water (ft)	Purge Rate ml/min	Volume Purged (L)	Temp (°C)	Sp. Cond (µS or mS)	DO (mg/L)	pH (SU)	eH/ORP (mV)	Turbidity (ntu)	Cont./Pres.	#
0942	0	0.00	100	0	11.31	256	5.47	6.79	—	—	GA- 40ml Vials HCL	6
0945	3		100	.3	11.35	250	5.31	6.85	—	—	G- 40ml Vials HCL	
0948	6		100	.6	11.38	247	4.72	6.94	—	—	P-500 ml HNO ₃	1
0951	9	0.05	100	.9	11.40	252	4.29	6.99	—	—	P-500 ml H ₂ SO ₄	
											P-500 ml Unp.	1
											P-1L Unp.	
											P-1L NaOH	
											P-1L NaOH + Zn A	
											P-120 ml Unp.	
											GA- 250 ml H ₂ SO ₄	2
											GA- 250 ml H ₃ PO ₄	
											GA- 500 ml H ₂ SO ₄	
											GA- 1L Unp.	
											G- 1L Unp.	
Comments												
Turbidity meter malfunction. Lab to run turbidity.												
opened well & there was water all the way to the top.												
For Three (3) Consecutive Readings		Required Purge	Actual Purge	+/- 1 (°C)	+/- 10%	+/- .3 (Mg/L)	+/- .10 SU	+/- 10% mV	+/- 10% unless <10 NTU			
Well Cond.	Pad Cond.	Lock Funct.	Bladder Pump	Casing S.S. ☐	Casing PVC ☒	☒ Field Blank Collected Time: 0955						
OK	OK	☒ Yes ☐ No	☒ Yes ☐ No	Filtered: ☐ Yes ☒ No	Split Sample ☐ Yes ☒ No		With:					
Sample Time	Depth to Water (ft)	Color	Odor	Temp (°C)	Sp. Cond (µS or mS)	DO (mg/L)	pH (SU)	eH/ORP (mV)	Turbidity (ntu)	Appearance		
0952	0.05	very light tan	light sulphur	11.40	252	4.29	6.99	—	—	clear		
☐ Annual		☐ Semi-Annual		☒ Quarterly		☐ Monthly		☐ Other		☐ Duplicate Collected Time: DTW:		

**Sampler(s)
Signature**

B. J. P. K. M.

Date 4/14/15

MONITORING WELL INTEGRITY FIELD SURVEY

Facility Name: Green Valley Landfill

Evaluator: BFK III

Evaluation Date: 4/14/15

Well Identification Number mw-1A

AKGWA Number 8000-2931

	Y	N	NA	A
1) Is the well location appropriately shown on the facility permit/and or design drawing?	☒	☐	☐	☐
2) Are the wells in hard to find areas adequately flagged?	☒	☐	☐	☐
3) Is the elevation information correct?	☒	☐	☐	☐

Well Characteristics & Integrity

4) Is the well ☒ Aboveground? ☐ Flush with the surface?	☒	☐	☐	☐
5) No physical damage to well?	☒	☐	☐	☐
6) Is the well labeled on the inside?	☒	☐	☐	☐
7) Is the well labeled on the outside?	☒	☐	☐	☐
8) Does the well have protective posts (if warranted)?	☒	☐	☐	☐
9) No evidence of ponded water around the well?	☒	☐	☐	☐
10) Do aboveground well have weep holes at the base of the protective cover?	☐	☒	☐	☐
11) Does the area around the well appear to be clean? (i.e., no mounds of waste; no dead animals?	☒	☐	☐	☐
12) Is the casing secure (attempt to move along perpendicular axes)?	☒	☐	☐	☐
13) Is the surface seal void of differential erosion around and under the base?	☒	☐	☐	☐
14) Is the surface seal free of cracks?	☒	☐	☐	☐
15) Is the surface seal slope to prevent ponding in the immediate vicinity of the of the surface seal?	☒	☐	☐	☐
16) Is the monitoring well locked to prevent unauthorized access?	☒	☐	☐	☐
17) Is the cap void of large gaps which would breach security?	☒	☐	☐	☐
18) Is the locking cap free of rust?	☐	☒	☐	☐

Comments: well & posts need painted.

NOTES: 1) Response box legend:

Y = YES

N = NO (A negative response must be identified as an "A" unless a comment is made that demonstrates compliance)

N/A = Not Applicable

2) Shaded boxes indicate that an issue and appropriate corrective action must be entered into CARS

KENVIRONS INC., GROUNDWATER FIELD LOG

Site Name: Green Valley Landfill	Well No. mw-13	Total Depth (ft) 61.00	Initial Depth to Water (ft.) 4.84	Height of Water Column (ft.) 56.16	Date 4/14	Time 1010	Project No. 2007006
Site Location Greenup Co., KY	AKGWA # 8000-2932	Casing Diameter ☒ 4" ☐ 2" Conversion fact. 4" - 0.672" - 0.16	Measuring Point (ft. MSL) 618.70	Groundwater Elevation 613.86	Well Volume (gallons) 37.02	Z # _____	
☒ Rain ☐ Sleet/Freezing Rain ☐ Snow ☐ Fog ☐ Clear ☐ Partly Cloudy ☐ Overcast ☐ Windy Temp. 60 (°F/°C)							

Time	ET (min)	Depth to Water (ft)	Purge Rate ml/min	Volume Purged (L)	Temp (°C)	Sp. Cond (µS or mS)	DO (mg/L)	pH (SU)	eH/ORP (mV)	Turbidity (ntu)	Cont./Pres.	#
1015	0	4.84	100	0	11.07	535	4.32	7.23	—	—	GA- 40ml Vials HCL	6
1018	3		100	.3	11.20	512	2.71	7.34	—	—	G- 40ml Vials HCL	
1021	6		100	.6	11.23	505	2.18	7.45	—	—	250 P-500 ml HNO ₃	1
1024	9		100	.9	11.23	520	1.67	7.57	—	—	P-500 ml H ₂ SO ₄	
1027	12		100	1.2	11.29	497	1.53	7.63	—	—	250 P-500 ml Unp.	1
1030	15	5.21	100	1.5	11.29	494	1.50	7.61	—	—	P-1L Unp.	
											P-1L NaOH	
											P-1L NaOH + Zn A	
											P-120 ml Unp.	
											GA- 250 ml H ₂ SO ₄	2
											GA- 250 ml H ₃ PO ₄	
											GA- 500 ml H ₂ SO ₄	
											GA- 1L Unp.	
											G- 1L Unp.	
											Comments	
											Turbidity meter malfunction. Lab to run turbidity.	
For Three (3) Consecutive Readings		Required Purge	Actual Purge	+/- 1 (°C)	+/- 10%	+/- .3 (Mg/L)	+/- .10 SU	+/- 10% mV	+/- 10% unless <10 NTU			

Well Cond.	Pad Cond	Lock Funct.	Bladder Pump	Casing S.S. ☐ Casing PVC ☒	☐ Field Blank Collected Time:
OK	OK	☒ Yes ☐ No	☒ Yes ☐ No	Filtered: ☐ Yes ☒ No	Split Sample ☐ Yes ☐ No With:

Sample Time	Depth to Water (ft)	Color	Odor	Temp (°C)	Sp. Cond (µS or mS)	DO (mg/L)	pH (SU)	eH/ORP (mV)	Turbidity (ntu)	Appearance
1032	5.31	None	None	11.29	494	1.50	7.61	—	—	Clear

☐ Annual	☐ Semi-Annual	☒ Quarterly	☐ Monthly	☐ Other	☐ Duplicate Collected Time: DTW:
---------------------------------	--------------------------------------	---	----------------------------------	--------------------------------	---

Sampler(s)
Signature

Bill P. K. M.

Date 4/14/15

MONITORING WELL INTEGRITY FIELD SURVEY

Facility Name: Green Valley Landfill

Evaluator: BFK III

Evaluation Date: 4/14/15

Well Identification Number MW-15

AKGWA Number 8000-2932

	Y	N	NA	A
1) Is the well location appropriately shown on the facility permit/and or design drawing?	☒	☐	☐	☐
2) Are the wells in hard to find areas adequately flagged?	☒	☐	☐	☐
3) Is the elevation information correct?	☒	☐	☐	☐

Well Characteristics & Integrity

4) Is the well ☒ Aboveground? ☐ Flush with the surface?	☒	☐	☐	☐
5) No physical damage to well?	☒	☐	☐	☐
6) Is the well labeled on the inside?	☒	☐	☐	☐
7) Is the well labeled on the outside?	☒	☐	☐	☐
8) Does the well have protective posts (if warranted)?	☒	☐	☐	☐
9) No evidence of ponded water around the well?	☒	☐	☐	☐
10) Do aboveground well have weep holes at the base of the protective cover?	☐	☒	☐	☐
11) Does the area around the well appear to be clean? (i.e., no mounds of waste; no dead animals?	☒	☐	☐	☐
12) Is the casing secure (attempt to move along perpendicular axes)?	☒	☐	☐	☐
13) Is the surface seal void of differential erosion around and under the base?	☒	☐	☐	☐
14) Is the surface seal free of cracks?	☒	☐	☐	☐
15) Is the surface seal slope to prevent ponding in the immediate vicinity of the of the surface seal?	☒	☐	☐	☐
16) Is the monitoring well locked to prevent unauthorized access?	☒	☐	☐	☐
17) Is the cap void of large gaps which would breach security?	☒	☐	☐	☐
18) Is the locking cap free of rust?	☐	☒	☐	☐

Comments: well & posts need painted.

NOTES: 1) Response box legend:

Y = YES

N = NO (A negative response must be identified as an "A" unless a comment is made that demonstrates compliance)

N/A = Not Applicable

2) Shaded boxes indicate that an issue and appropriate corrective action must be entered into CARS

Site Name: Green Valley Landfill		Well No. mw-3	Total Depth (ft.) 14.10	Initial Depth to Water (ft.) 4.83	Height of Water Column (ft.) 9.27	Date 4/13	Time 1335	Project No. 2007006				
Site Location Greenup Co., KY		AKGWA # 8000 - 8085	Casing Diameter ☒ 4" ☐ 2" Conversion fact. 4"-0.67/2"-0.16	Measuring Point (ft. MSL) 630.80	Groundwater Elevation 625.97	Well Volume (gallons) 6.21		Z # —				
☐ Rain ☐ Sleet/Freezing Rain ☐ Snow ☐ Fog ☐ Clear ☒ Partly Cloudy ☐ Overcast ☐ Windy Temp. 75 (F) / C°)												
Time	ET (min)	Depth to Water (ft)	Purge Rate ml/min	Volume Purged (L)	Temp (°C)	Sp. Cond (µS or mS)	DO (mg/L)	pH (SU)	eH/ORP (mV)	Turbidit y (ntu)	Cont./Pres.	#
1340	0	4.83	100	0	13.34	428	6.09	4.48	—	17.4	GA- 40ml Vials HCL	6
1343	3		100	.3	13.60	339	5.23	4.49	—	15.7	G- 40ml Vials HCL	
1346	6		100	.6	13.91	279	4.44	4.54	—	15.2	²⁵⁰ P-500 ml HNO ₃	1
1349	9		100	.9	13.94	249	3.85	4.58	—	12.3	P-500 ml H ₂ SO ₄	
1352	12	5.31	100	1.2	13.79	233	3.59	4.59	—	13.2	²⁵⁰ P-500 ml Unp.	1
											P-1L Unp.	
											P-1L NaOH	
											P-1L NaOH + Zn A	
											P-120 ml Unp.	
											GA- 250 ml H ₂ SO ₄	2
											GA- 250 ml H ₃ PO ₄	
											GA- 500 ml H ₂ SO ₄	
											GA- 1L Unp.	
											G- 1L Unp.	
											Comments	
For Three (3) Consecutive Readings			Required Purge	Actual Purge	+/- 1 (°C)	+/- 10%	+/- .3 (Mg/L)	+/- .10 SU	+/- 10% mV	+/- 10% unless <10 NTU		
Well Cond.	Pad Cond	Lock Funct.	Bladder Pump		Casing S.S. ☐	☐ Field Blank Collected						
					Casing PVC ☒	Time:						
OK	OK	☒ Yes ☐ No	☒ Yes ☐ No		Filtered: ☐ Yes ☒ No	Split Sample ☐ Yes ☒ No						
						With:						
Sample Time	Depth to Water (ft)	Color	Odor	Temp (°C)	Sp. Cond (µS or mS)	DO (mg/L)	pH (SU)	eH/ORP (mV)	Turbidity (ntu)	Appearance		
1355	5.31	Light Tan	None	13.79	233	3.59	4.59	—	13.2	slightly cloudy		
☐ Annual		☐ Semi-Annual		☒ Quarterly		☐ Monthly		☐ Other		☒ Duplicate Collected Time: 1405 DTW: 5.31		

Bill of K₂M

Date 4/13/15

MONITORING WELL INTEGRITY FIELD SURVEY

Facility Name: Green Valley Landfill

Evaluator: BFK III

Evaluation Date: 4/13/15

Well Identification Number mw-3

AKGWA Number 8000 - 8085

	Y	N	NA	A
1) Is the well location appropriately shown on the facility permit/and or design drawing?	☒	☐	☐	☐
2) Are the wells in hard to find areas adequately flagged?	☒	☐	☐	☐
3) Is the elevation information correct?	☒	☐	☐	☐

Well Characteristics & Integrity

4) Is the well ☒ Aboveground? ☐ Flush with the surface?	☒	☐	☐	☐
5) No physical damage to well?	☒	☐	☐	☐
6) Is the well labeled on the inside?	☒	☐	☐	☐
7) Is the well labeled on the outside?	☒	☐	☐	☐
8) Does the well have protective posts (if warranted)?	☒	☐	☐	☐
9) No evidence of ponded water around the well?	☒	☐	☐	☐
10) Do aboveground well have weep holes at the base of the protective cover?	☒	☐	☐	☐
11) Does the area around the well appear to be clean? (i.e., no mounds of waste; no dead animals?	☒	☐	☐	☐
12) Is the casing secure (attempt to move along perpendicular axes)?	☒	☐	☐	☐
13) Is the surface seal void of differential erosion around and under the base?	☒	☐	☐	☐
14) Is the surface seal free of cracks?	☒	☐	☐	☐
15) Is the surface seal slope to prevent ponding in the immediate vicinity of the of the surface seal?	☒	☐	☐	☐
16) Is the monitoring well locked to prevent unauthorized access?	☒	☐	☐	☐
17) Is the cap void of large gaps which would breach security?	☒	☐	☐	☐
18) Is the locking cap free of rust?	☐	☒	☐	☐

Comments: Posts & well need repainted.

NOTES: 1) Response box legend:

Y = YES

N = NO (A negative response must be identified as an "A" unless a comment is made that demonstrates compliance)

N/A = Not Applicable

2) Shaded boxes indicate that an issue and appropriate corrective action must be entered into CARS

KENVIRONS INC., GROUNDWATER FIELD LOG

Site Name: Green Valley Landfill	Well No. mw-28c	Total Depth (ft) 12.90	Initial Depth to Water (ft.) 4.01	Height of Water Column (ft.) 8.89	Date 4/13	Time 1302	Project No. 2007006
Site Location Greenup Co., KY	AKGWA # 8005-7101	Casing Diameter ☒ 4" ☐ 2" Conversion fact. 4" - 0.67/2" - 0.16	Measuring Point (ft. MSL) 674.40	Groundwater Elevation 670.39	Well Volume (gallons) 5.95	Z # _____	

☐ Rain ☐ Sleet/Freezing Rain ☐ Snow ☐ Fog ☐ Clear ☒ Partly Cloudy ☐ Overcast ☐ Windy Temp. 75 (F) 75 (C)

Time	ET (min)	Depth to Water (ft)	Purge Rate ml/min	Volume Purged (L)	Temp (°C)	Sp. Cond (µS or mS)	DO (mg/L)	pH (SU)	eH/ORP (mV)	Turbidity (ntu)	Cont./Pres.	#
1310	0	4.01	100	0	13.86	362	5.47	4.77	—	10.9	GA- 40ml Vials HCL	6
1313	3		100	.3	13.02	334	3.47	4.69	—	14.9	G- 40ml Vials HCL	
1316	6		100	.6	13.08	310	2.49	4.66	—	19.1	P-500 ml HNO ₃	1
1319	9	4.71	100	.9	13.56	310	1.99	4.65	—	25.6	P-500 ml H ₂ SO ₄	
											P-500 ml Unp.	1
											P-1L Unp.	
											P-1L NaOH	
											P-1L NaOH + Zn A	
											P-120 ml Unp.	
											GA- 250 ml H ₂ SO ₄	2
											GA- 250 ml H ₃ PO ₄	
											GA- 500 ml H ₂ SO ₄	
											GA- 1L Unp.	
											G- 1L Unp.	
Comments												

For Three (3) Consecutive Readings	Required Purge	Actual Purge	+/- 1 (°C)	+/- 10%	+/- .3 (Mg/L)	+/- .10 SU	+/- 10% mV	+/- 10% unless <10 NTU
------------------------------------	----------------	--------------	------------	---------	---------------	------------	------------	------------------------

Well Cond.	Pad Cond	Lock Funct.	Bladder Pump	Casing S.S. ☐ Casing PVC ☒	☐ Field Blank Collected Time:
OK	OK	☒ Yes ☐ No	☒ Yes ☐ No	Filtered: ☐ Yes ☒ No	Split Sample ☐ Yes ☒ No With:

Sample Time	Depth to Water (ft)	Color	Odor	Temp (°C)	Sp. Cond (µS or mS)	DO (mg/L)	pH (SU)	eH/ORP (mV)	Turbidity (ntu)	Appearance
1320	4.71	Very light Tan	Slight Sulphur	13.56	310	1.99	4.65	—	25.6	Clear

☐ Annual ☐ Semi-Annual ☒ Quarterly ☐ Monthly ☐ Other ☐ Duplicate Collected Time: DTW:

Sampler(s)
Signature

Red F. K. M.

Date 4/13/15

MONITORING WELL INTEGRITY FIELD SURVEY

Facility Name: Green Valley Landfill

Evaluator: BFK III

Evaluation Date: 4/13/15

Well Identification Number mw-28c

AKGWA Number 8005-7101

	Y	N	NA	A
1) Is the well location appropriately shown on the facility permit/and or design drawing?	☒	☐	☐	☐
2) Are the wells in hard to find areas adequately flagged?	☒	☐	☐	☐
3) Is the elevation information correct?	☒	☐	☐	☐

Well Characteristics & Integrity

4) Is the well ☒ Aboveground? ☐ Flush with the surface?	☒	☐	☐	☐
5) No physical damage to well?	☒	☐	☐	☐
6) Is the well labeled on the inside?	☐	☒	☐	☐
7) Is the well labeled on the outside?	☒	☐	☐	☐
8) Does the well have protective posts (if warranted)?	☒	☐	☐	☐
9) No evidence of ponded water around the well?	☒	☐	☐	☐
10) Do aboveground well have weep holes at the base of the protective cover?	☒	☐	☐	☐
11) Does the area around the well appear to be clean? (i.e., no mounds of waste; no dead animals?	☒	☐	☐	☐
12) Is the casing secure (attempt to move along perpendicular axes)?	☒	☐	☐	☐
13) Is the surface seal void of differential erosion around and under the base?	☒	☐	☐	☐
14) Is the surface seal free of cracks?	☒	☐	☐	☐
15) Is the surface seal slope to prevent ponding in the immediate vicinity of the of the surface seal?	☒	☐	☐	☐
16) Is the monitoring well locked to prevent unauthorized access?	☒	☐	☐	☐
17) Is the cap void of large gaps which would breach security?	☒	☐	☐	☐
18) Is the locking cap free of rust?	☐	☒	☐	☐

Comments: Posts & well need repainted.

NOTES: 1) Response box legend:

Y = YES

N = NO (A negative response must be identified as an "A" unless a comment is made that demonstrates compliance)

N/A = Not Applicable

2) Shaded boxes indicate that an issue and appropriate corrective action must be entered into CARS

Site Name: Green Valley Landfill	Well No. mw-28D	Total Depth (ft) 16.30	Initial Depth to Water (ft.) 4.84	Height of Water Column (ft.) 11.46	Date 4/13	Time 1205	Project No. 2007006
Site Location Greenup Co., KY	AKGWA # 8005- 7102	Casing Diameter ☒ 4" ☐ 2" Conversion fact. 4" - 0.67/2" - 0.16	Measuring Point (ft. MSL) 675.20	Groundwater Elevation 670.36	Well Volume (gallons) 7.67		Z # —

Time	ET (min)	Depth to Water (ft)	Purge Rate ml/min	Volume Purged (L)	Temp (°C)	Sp. Cond (µS or mS)	DO (mg/L)	pH (SU)	eH/ORP (mV)	Turbidity (ntu)	Cont./Pres.	#
1213	0	4.84	100	0	13.31	708	5.02	5.06	—	20.3 ~~158.1~~	GA- 40ml Vials HCL	0
1216	3		100	.3	12.57	694	4.93	5.03	—	24.9	G- 40ml Vials HCL	
1219	6		100	.6	13.14	688	4.67	6.24	—	17.4	⁷⁵⁰ P-500 ml HNO ₃	1
1222	9		100	.9	13.13	691	4.41	6.25	—	12.9	P-500 ml H ₂ SO ₄	
1225	12	5.51	100	1.2	13.03	691	4.17	6.25	—	10.1	⁷⁵⁰ P-500 ml Unp.	1
											P-1L Unp.	
											P-1L NaOH	
											P-1L NaOH + Zn A	
											P-120 ml Unp.	
											GA- 250 ml H ₂ SO ₄	2
											GA- 250 ml H ₃ PO ₄	
											GA- 500 ml H ₂ SO ₄	
											GA- 1L Unp.	
											G- 1L Unp.	
											Comments	
For Three (3) Consecutive Readings			Required Purge	Actual Purge	+/- 1 (°C)	+/- 10%	+/- .3 (Mg/L)	+/- .10 SU	+/- 10% mV	+/- 10% unless <10 NTU		

Sample Time	Depth to Water (ft)	Color	Odor	Temp (°C)	Sp. Cond (µS or mS)	DO (mg/L)	pH (SU)	eH/ORP (mV)	Turbidity (ntu)	Appearance
1227	5.51	None	None	13.03	691	4.17	6.25	—	10.1	Clear
☐ Annual ☐ Semi-Annual		☒ Quarterly		☐ Monthly		☐ Other		☐ Duplicate Collected Time: DTW:		

Date 4/13/15

MONITORING WELL INTEGRITY FIELD SURVEY

Facility Name: Green Valley Landfill

Evaluator: BFK III

Evaluation Date: 4/13/15

Well Identification Number mw-285

AKGWA Number 8005-7102

	Y	N	NA	A
1) Is the well location appropriately shown on the facility permit/and or design drawing?	☒	☐	☐	☐
2) Are the wells in hard to find areas adequately flagged?	☒	☐	☐	☐
3) Is the elevation information correct?	☒	☐	☐	☐

Well Characteristics & Integrity

4) Is the well ☒ Aboveground? ☐ Flush with the surface?	☒	☐	☐	☐
5) No physical damage to well?	☒	☐	☐	☐
6) Is the well labeled on the inside?	☐	☒	☐	☐
7) Is the well labeled on the outside?	☒	☐	☐	☐
8) Does the well have protective posts (if warranted)?	☒	☐	☐	☐
9) No evidence of ponded water around the well?	☒	☐	☐	☐
10) Do aboveground well have weep holes at the base of the protective cover?	☒	☐	☐	☐
11) Does the area around the well appear to be clean? (i.e., no mounds of waste; no dead animals?	☒	☐	☐	☐
12) Is the casing secure (attempt to move along perpendicular axes)?	☒	☐	☐	☐
13) Is the surface seal void of differential erosion around and under the base?	☒	☐	☐	☐
14) Is the surface seal free of cracks?	☒	☐	☐	☐
15) Is the surface seal slope to prevent ponding in the immediate vicinity of the of the surface seal?	☒	☐	☐	☐
16) Is the monitoring well locked to prevent unauthorized access?	☒	☐	☐	☐
17) Is the cap void of large gaps which would breach security?	☒	☐	☐	☐
18) Is the locking cap free of rust?	☐	☒	☐	☐

Comments: Posts & well need painted.

NOTES: 1) Response box legend:

Y = YES

N = NO (A negative response must be identified as an "A" unless a comment is made that demonstrates compliance)

N/A = Not Applicable

2) Shaded boxes indicate that an issue and appropriate corrective action must be entered into CARS

KENVIRONS INC., GROUNDWATER FIELD LOG

Site Name: Green Valley Landfill	Well No. mw-28E	Total Depth (ft) 27.30	Initial Depth to Water (ft.) 8.37	Height of Water Column (ft.) 18.93	Date 4/13	Time 1230	Project No. 2007006
Site Location Greenup Co., KY	AKGWA # 8005-7103	Casing Diameter ☒ 4" ☐ 2" Conversion fact. 4" - 0.6712" - 0.16	Measuring Point (ft. MSL) 677.00	Groundwater Elevation 608.63	Well Volume (gallons) 12.68	Z # —	

☐ Rain ☐ Sleet/Freezing Rain ☐ Snow ☐ Fog ☐ Clear ☒ Partly Cloudy ☐ Overcast ☐ Windy Temp. 75 (°F) (°C)

Time	ET (min)	Depth to Water (ft)	Purge Rate ml/min	Volume Purged (L)	Temp (°C)	Sp. Cond (µS or mS)	DO (mg/L)	pH (SU)	eH/ORP (mV)	Turbidity (ntu)	Cont./Pres.	#
1244	0	8.37	100	0	16.07	6	4.43	5.90	—	8.8	GA- 40ml Vials HCL	6
1247	3		100	.3	15.85	265	5.81	5.98	—	4.7	G- 40ml Vials HCL	
1250	6		100	.6	15.56	237	5.38	6.03	—	1.8	P-500 ml HNO ₃	1
1253	9		100	.9	15.50	236	5.08	6.05	—	0.5	P-500 ml H ₂ SO ₄	
1256	12	8.94	100	1.2	15.37	217	4.92	6.07	—	0.3	P-500 ml Unp.	1
											P-1L Unp.	
											P-1L NaOH	
											P-1L NaOH + Zn A	
											P-120 ml Unp.	
											GA- 250 ml H ₂ SO ₄	2
											GA- 250 ml H ₃ PO ₄	
											GA- 500 ml H ₂ SO ₄	
											GA- 1L Unp.	
											G- 1L Unp.	
Comments												

For Three (3) Consecutive Readings	Required Purge	Actual Purge	+/- 1 (°C)	+/- 10%	+/- 3 (Mg/L)	+/- .10 SU	+/- 10% mV	+/- 10% unless <10 NTU
------------------------------------	----------------	--------------	------------	---------	--------------	------------	------------	------------------------

Well Cond.	Pad Cond	Lock Funct.	Bladder Pump	Casing S.S. ☐ Casing PVC ☒	☐ Field Blank Collected Time:
OK	OK	☒ Yes ☐ No	☒ Yes ☐ No	Filtered: ☐ Yes ☒ No	Split Sample ☐ Yes ☒ No With:

Sample Time	Depth to Water (ft)	Color	Odor	Temp (°C)	Sp. Cond (µS or mS)	DO (mg/L)	pH (SU)	eH/ORP (mV)	Turbidity (ntu)	Appearance
1300	8.94	None	None	15.37	217	4.92	6.07	—	0.3	Clear

☐ Annual ☐ Semi-Annual ☒ Quarterly ☐ Monthly ☐ Other

☐ Duplicate Collected Time: DTW:

Sampler(s)
Signature

B. D. F. K. M.

Date 4/13/15

MONITORING WELL INTEGRITY FIELD SURVEY

Facility Name: Green Valley Landfill

Evaluator: BEK III

Evaluation Date: 4/13/15

Well Identification Number mw-28E

AKGWA Number 8005-7103

	Y	N	NA	A
1) Is the well location appropriately shown on the facility permit/and or design drawing?	☒	☐	☐	☐
2) Are the wells in hard to find areas adequately flagged?	☒	☐	☐	☐
3) Is the elevation information correct?	☒	☐	☐	☐

Well Characteristics & Integrity

4) Is the well ☒ Aboveground? ☐ Flush with the surface?	☒	☐	☐	☐
5) No physical damage to well?	☒	☐	☐	☐
6) Is the well labeled on the inside?	☐	☒	☐	☐
7) Is the well labeled on the outside?	☒	☐	☐	☐
8) Does the well have protective posts (if warranted)?	☒	☐	☐	☐
9) No evidence of ponded water around the well?	☒	☐	☐	☐
10) Do aboveground well have weep holes at the base of the protective cover?	☒	☐	☐	☐
11) Does the area around the well appear to be clean? (i.e., no mounds of waste; no dead animals?	☒	☐	☐	☐
12) Is the casing secure (attempt to move along perpendicular axes)?	☒	☐	☐	☐
13) Is the surface seal void of differential erosion around and under the base?	☒	☐	☐	☐
14) Is the surface seal free of cracks?	☒	☐	☐	☐
15) Is the surface seal slope to prevent ponding in the immediate vicinity of the of the surface seal?	☒	☐	☐	☐
16) Is the monitoring well locked to prevent unauthorized access?	☒	☐	☐	☐
17) Is the cap void of large gaps which would breach security?	☒	☐	☐	☐
18) Is the locking cap free of rust?	☐	☒	☐	☐

Comments: Posts & well need repainted.

NOTES: 1) Response box legend:

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N = NO (A negative response must be identified as an "A" unless a comment is made that demonstrates compliance)

N/A = Not Applicable

2) Shaded boxes indicate that an issue and appropriate corrective action must be entered into CARS

KENVIRONS, INC.
 452 Versailles Road
 Frankfort, KY 40601
 502-695-4357
 502-695-4363 (fax)



Green Valley Landfill -ALLIED - Greenup Co., KY Project No. 2011033

Sample Point	Z#	Date	Flow (Sampled)		No Flow	Preceeding Precipitation Event Within 24 Hr. Period	
			YES	NO		YES	NO
SW-1A	—	4/13/15	☒	☐	☐	☐	☒
SW-2	—	4/13/15	☒	☐	☐	☐	☒
SW-3	—	4/13/15	☒	☐	☐	☐	☒
SW-4	—	4/13/15	☒	☐	☐	☐	☒
SW-5	—	4/13/15	☒	☐	☐	☐	☒
SW-6	—	4/13/15	☐	☒	☒	☐	☒

Notes:

TECHNICIAN Bill F. Knarr, III / Ben T. Bray

DATE 4/13/15

KENVIRONS, INC.
POND / SURFACE WATER LOG

FACILITY	GREEN VALLEY	PROJECT NO.	2011033
LOCATION	GREENUP CO, KY	DATE	4/13/15
SAMPLE ID	SW-1A	SAMPLER(S)	BTB/BFC III
WEATHER	P. Cloudy 75°	Z#	—

CALIBRATION DATA

PH	4.0		7.0		10.0	
CONDUCTIVITY (US)					TEMP (° C)	

FIELD DATA

SAMPLE DATA			
COLOR	Light orange	PH (S. U.)	6.87
ODOR	very slight sulphur	TEMP (° C)	19.97
APPEARANCE	cloudy	CONDUCTIVITY (US)	414
TIME	1455	FLOW (GPM)	10

NUMBER AND TYPE OF CONTAINERS (1) 250 ml AG H₂SO₄ (1) 500 ml P Uap
(1) 500 ml P HNO₃ (1) 500 ml P H₂SO₄

☐ ANNUAL ☐ SEMI-ANNUAL ☒ QUARTERLY ☐ MONTHLY ☐ OTHER

SPLIT SAMPLE ☐ YES ☐ NO IF YES,
WITH
WHOM _____

COMMENTS _____

SAMPLER(S)

SIGNATURE

Bell P. K. M.

DATE 4/13/15

KENVIRONS, INC.
POND / SURFACE WATER LOG

FACILITY	GREEN VALLEY	PROJECT NO.	2011033
LOCATION	GREENUP CO, KY	DATE	4/13/15
SAMPLE ID	SW-2	SAMPLER(S)	BSK III / BTB
WEATHER	P. Cloudy 75°	Z#	—

CALIBRATION DATA

PH	4.0		7.0		10.0	
CONDUCTIVITY (US)				TEMP (° C)		

FIELD DATA

SAMPLE DATA			
COLOR	Very light Tan	PH (S. U.)	7.72
ODOR	None	TEMP (° C)	24.03
APPEARANCE	cloudy	CONDUCTIVITY (US)	626
TIME	1625	FLOW (GPM)	1

NUMBER AND TYPE OF CONTAINERS 1) 500 ml P U₂ 6) 250 ml AG H₂SO₄
1) 250 ml P HNO₃ 1) 250 ml P H₂SO₄

☐ ANNUAL ☐ SEMI-ANNUAL ☒ QUARTERLY ☐ MONTHLY ☐ OTHER

SPLIT SAMPLE ☐ YES ☒ NO **IF YES,**
WITH
WHOM _____

COMMENTS _____

SAMPLER(S)

SIGNATURE

Bell P. K. m

DATE 4/13/15

KENVIRONS, INC.
POND / SURFACE WATER LOG

FACILITY	GREEN VALLEY	PROJECT NO.	2011033
LOCATION	GREENUP CO, KY	DATE	4/13/15
SAMPLE ID	SW-3	SAMPLER(S)	BFE III / BTB
WEATHER	P. Cloudy 75°	Z#	—

CALIBRATION DATA

PH	4.0		7.0		10.0	
CONDUCTIVITY (US)					TEMP (° C)	

FIELD DATA

SAMPLE DATA			
COLOR	None	PH (S. U.)	6.58
ODOR	None	TEMP (° C)	20.27
APPEARANCE	Clear	CONDUCTIVITY (US)	390
TIME	1550	FLOW (GPM)	30

NUMBER AND TYPE OF CONTAINERS (1) 500 ml P Unp (1) 250 ml AG H₂SO₄
(1) 250 ml P H₂SO₄ (1) 250 ml P HNO₃

☐ ANNUAL ☐ SEMI-ANNUAL ☒ QUARTERLY ☐ MONTHLY ☐ OTHER

SPLIT SAMPLE ☐ YES ☒ NO If YES,
WITH
WHOM _____

COMMENTS _____

SAMPLER(S)
SIGNATURE BEL K M **DATE** 4/13/15

KENVIRONS, INC.
POND / SURFACE WATER LOG

FACILITY	GREEN VALLEY	PROJECT NO.	2011033
LOCATION	GREENUP CO, KY	DATE	4/13/15
SAMPLE ID	SW-4	SAMPLER(S)	BFL III / BTB
WEATHER	P. Cloudy 75°	Z#	—

CALIBRATION DATA

PH	4.0	7.0	10.0
CONDUCTIVITY (US)			TEMP (° C)

FIELD DATA

SAMPLE DATA			
COLOR	None	PH (S. U.)	5.81
ODOR	None	TEMP (° C)	21.12
APPEARANCE	clear	CONDUCTIVITY (US)	878
TIME	1520	FLOW (GPM)	25

NUMBER AND TYPE OF CONTAINERS (1) 250 ml AG H₂SO₄ (1) 500 ml P Unp
(1) 500 ml P HNO₃ (1) 500 ml P H₂SO₄

☐ ANNUAL ☐ SEMI-ANNUAL ☒ QUARTERLY ☐ MONTHLY ☐ OTHER

SPLIT SAMPLE ☐ YES ☒ NO IF YES,
WITH
WHOM

COMMENTS Not easily accessible.

SAMPLER(S)

SIGNATURE

B-00 P. K. M.

DATE 4/13/15

KENVIRONS, INC.
POND / SURFACE WATER LOG

FACILITY	GREEN VALLEY	PROJECT NO.	2011033
LOCATION	GREENUP CO, KY	DATE	4/13/15
SAMPLE ID	SW-5	SAMPLER(S)	BFC III / BTB
WEATHER	P. Cloudy 75°	Z#	—

CALIBRATION DATA

PH	4.0		7.0		10.0	
CONDUCTIVITY (US)					TEMP (° C)	

FIELD DATA

SAMPLE DATA			
COLOR	None	PH (S. U.)	7.42
ODOR	None	TEMP (° C)	16.73
APPEARANCE	cloudy	CONDUCTIVITY (US)	111
TIME	1505	FLOW (GPM)	25

NUMBER AND TYPE OF CONTAINERS ~~(1) 250 ml AG H₂SO₄~~ (1) 500 ml P U_{ap}
 (1) ²⁵⁰~~500~~ ml P HNO₃ (1) 250 ml P H₂SO₄

☐ ANNUAL ☐ SEMI-ANNUAL ☐ QUARTERLY ☐ MONTHLY ☐ OTHER

SPLIT SAMPLE ☐ YES ☐ NO IF YES,
WITH
WHOM _____

COMMENTS _____

SAMPLER(S)

SIGNATURE

B. J. K. M.

DATE 4/13/15

KENVIRONS, INC.
POND / SURFACE WATER LOG

FACILITY	GREEN VALLEY	PROJECT NO.	2011033
LOCATION	GREENUP CO, KY	DATE	4/13/15
SAMPLE ID	SW-6	SAMPLER(S)	BFV III / BTB
WEATHER	P. Cloudy 75°	Z#	—

CALIBRATION DATA

PH	4.0	7.0	10.0
CONDUCTIVITY (US)			TEMP (° C)

FIELD DATA

SAMPLE DATA			
COLOR		PH (S. U.)	
ODOR		TEMP (° C)	
APPEARANCE		CONDUCTIVITY (US)	
TIME	1630	FLOW (GPM)	No Flow

NUMBER AND TYPE OF CONTAINERS 1) 250 ml AG H₂SO₄ 1) 500 ml P Uap
1) 250 ml P H₂SO₄ 1) 250 ml P HNO₃

☐ ANNUAL ☐ SEMI-ANNUAL ☒ QUARTERLY ☐ MONTHLY ☐ OTHER

SPLIT SAMPLE ☐ YES ☒ NO IF YES,
WITH
WHOM

COMMENTS

SAMPLER(S)

SIGNATURE

Bell P. K. M.

DATE 4/13/15

KENVIRONS, INC.

Leachate Field Reading Log

Facility: Green Valley LF

Date: 4/13/15 Sampler(s) BFK III / BTB

<u>Tank or Unit #</u>	<u>pH</u>	<u>Conductivity</u>	<u>Temp</u>
LEA	6.17	11613	23.44

Sampler(s)

Signature: Bel P. K. M.

Date: 4/13/15

KENVIRONS, INC.
LEACHATE LOG

Facility	Green Valley LF	Project No.	2007009
Location	Greenup Co., KY	Date	4/13/15
Sample ID	LEA	Sampler(s)	BFK-III/RTB
Weather	P. Cloudy 75°	Z #	—

CALIBRATION DATA

PH	4.0	7.0	10.0
Conductivity Solution (uS)			Temp (° C)

FIELD DATA

SAMPLE DATA			
COLOR	Black	PH (S. U.)	6.17
ODOR	moderate	TEMP (° C)	23.44
APPEARANCE	opaque	CONDUCTIVITY (US)	11013
TIME	1430	DISSOLVED OXYGEN (MG/L)	0.37
EH/ORP (MV)	—	TURBIDITY (NTU)	83.7

NUMBER AND TYPE OF CONTAINERS

(3) 1 L AG HCl (1) 1 L P Unp (1) 250 ml P H₂O₃
 (1) 250 ml P H₂SO₄ (1) 250 ml P Unp (1) 250 ml P NaOH (1) 250 ml AG Unp
 (1) 250 ml P NaOH/ZnOAc (1) 250 ml AG H₂SO₄ (2) 500 ml AG Dbt. Bagged

☐ ANNUAL ☐ SEMI-ANNUAL ☒ QUARTERLY ☐ MONTHLY ☐ BI-MONTHLY

SPLIT SAMPLE ☐ YES ☒ NO IF YES,
WITH
WHOM

COMMENTS FB collected @ 1440.

SAMPLER(S)

SIGNATURE

B. O. P. K. M.

DATE 4/13/15



**452 Versailles Road
Frankfort, Kentucky 40601
Office: 502-695-4357
Fax: 502-695-4363**

CHAIN-OF-CUSTODY / ANALYTICAL REQUEST DOCUMENT

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A

Required Client Information:

Section B

Required Project Information:

Section C

Invoice Information:

Page:

of

Company: Kenvirons, Inc.	Report To: Bill Knarr	Attention: Bill Knarr
Address: 452 Versailles Road	Copy To:	Company Name: Kenvirons Inc.
Frankfort, KY 40601		Address: 452 Versailles Rd. Frankfort, KY
Email To: bkknarr@kenvirons.com	Purchase Order No: 20070000	Quota Reference:
Phone: (502)695-4357 Fax: (502)695-4363	Project Name: Green Valley LE Groundwater	Project Manager: Chris Boyle
Requested Due Date/TAT:	Project Number: 20070000	Profile #: 44634

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER _____

Site Location

STATE:

Requested Analysis Filtered (Y/N)

[illegible]

ADDITIONAL COMMENTS

RELINQUISHED BY / AFFILIATION

. DATE

TIME

ACCEPTED BY / AFFILIATION

DATE _____

TIME

SAMPLE CONDITIONS

Short Hold. Nitride !!

POLO - S. K. - IN

4/10/11

१३५

Sent Via UPS

4/15/

1-730

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SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER:

SIGNATURE of SAMPLER:

DATE Signed _____
by _____

DATE Signed
(MM/DD/YY): 9/13/15

Temp in °C

Received on

Cooler (Y/N)

Samples Intact (Y/N)



CHAIN-OF-CUSTODY / ANALYTICAL REQUEST DOCUMENT

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 1 of 1

ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
Short Hold Vitate!!		BOD PK-TM	4/14/15	1730	Sent via UPS	4/14/15	1730				
Run turbidity!! Turbidity											
meter malfunction in											
field!											

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SAMPLER NAME AND SIGNATURE	
PRINT Name of SAMPLER: Bill F. Knorr, III	DATE Signed (MM/DD/YY): 4/14/15
SIGNATURE of SAMPLER: BOD PK-TM	

Temp in: °C

Received on Ice (Y/N)

Custody Sealed Cooler (Y/N)

Samples intact (Y/N)



KENVIRONS

452 Versailles Road
Frankfort, Kentucky 40601
Office: 502-695-4357
Fax: 502-695-4363

CHAIN-OF-CUSTODY / ANALYTICAL REQUEST DOCUMENT

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:		Page: 1 of 1	
Company: Kenvirons, Inc.		Report To: Bill Knarr		Attention: Bill Knarr			
Address: 452 Versailles Road Frankfort, KY 40601		Copy To:		Company Name: Kenvirons, Inc.		REGULATORY AGENCY:	
Email To: bknarr@kenvirons.com		Purchase Order No.: 2011033		Address: 452 Versailles Rd. Frankfort, KY		☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER	
Phone: (502)695-4357 Fax: (502)695-4363		Project Name: Green Valley Surfacewater		Quote Reference:		☐ UST ☐ RCRA ☐ OTHER	
Requested Due Date/TAT:		Project Number: 2011033		Project Manager: Chris Bayle		Site Location: KY	
				Profile #: 41034		STATE: KY	

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE DRINKING WATER DW WATER WW WASTE WATER WW LEACHATE LE SOIL/SOLID SL OIL OL WIPE WP AIR AR OTHER OT TISSUE TS	DATE	TIME	FLOW	TEMPERATURE	PH	SPECIFIC CONDUCTIVITY	TURBIDITY OR DISSOLVED OXYGEN (CIRCLE)	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	# OF CONTAINERS	Preservatives								Analysis Test ↓	Y/N	Requested Analysis Filtered (Y/N)										Residual Chlorine (Y/N)	Project No./ Lab I.D.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
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ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION		DATE	TIME	ACCEPTED BY / AFFILIATION		DATE	TIME	SAMPLE CONDITIONS			
		Bill F. Knarr, III		4/13/15	1730	Sent via UPS		4/13/15	1730				

Green Valley Landfill Groundwater & Surface Water Parameters

Green Valley Groundwater

Quarterly:

Total Organic Halides (TOX)

Fe, Na

Chemical Oxygen Demand (COD)

Total Organic Carbon (TOC)

Chloride

Total Dissolved Solids (TDS)

Annual (ADD):

Ag, As, Ba, Be, Cd, Co, Cr, Cu, Hg, Ni, Pb, Sb, Se, Ti, V, Zn

Nitrate

Volatile Organics

PDB & DBCP

Green Valley Surface Water

Quarterly:

Total Suspended Solids (TSS)

Total Dissolved Solids (TDS)

Total Solids (TS)

Chloride

Sulfate

Fe, Na

Chemical Oxygen Demand (COD)

Total Organic Carbon (TOC)

Green Valley Landfill Leachate

Leachate

Quarterly:

Oil & Grease (Total & Silica Gel Treated)

Chemical Oxygen Demand (COD)

Ammonia

Biochemical Oxygen Demand 5-Day (BOD)

Total Suspended Solids (TSS)

Total Dissolved Solids (TDS)

Sulfate

Sulfide

Cyanide - Total

Cyanide - Free

Flashpoint

Ag, As, Cd, Cr, Cu, Ni, Pb, Zn

Low Level Mercury

Phenols

Cr 6+