Prepared for

TDY Industries, Inc
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Pittsburgh, Pennsylvania

GROUNDWATER MONITORING REPORT

FIRST QUARTER 2010

2701 North Harbor Drive
San Diego, California

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April 2010

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1. INTRODUCTION

This Groundwater Monitoring Report (Report) has been prepared by Geosyntec Consultants (Geosyntec) on behalf of TDY Industries, Inc. for the Airport/Former Teledyne Ryan Aeronautical site located at 2701 North Harbor Drive in San Diego, California (Site). This Report summarizes the results of the first quarter 2010 groundwater sampling that was performed at the Site in accordance with the Groundwater Monitoring and Reporting Plan (MRP) dated 6 November 2006 (Geosyntec, 2006), and modifications thereto, as recommended in the third quarter 2009 monitoring report (Geosyntec, 2009) and comments received from the Regional Water Quality Control Board (RWQCB, 2009). This Report also summarizes monitoring results from the ongoing enhanced in-situ bioremediation (EISB) programs. This Report was prepared by Mr. Chris Lieder, PG and reviewed by Mr. Brian Hitchens, PG, CHG of Geosyntec in accordance with the peer review policy of the firm.

1.1 Background

A baseline assessment of Site conditions and groundwater quality is summarized in the Site Characterization Report (Geosyntec, 2005). The Remedial Action Plan (RAP) requirements specified in Cleanup and Abatement Order R9-2004-0258 (RWQCB, 2005a) contain a provision for the development and implementation of an MRP to demonstrate the effectiveness of the selected remedial action. The RWQCB requested the initiation of groundwater monitoring in advance of the RAP to monitor temporal variation in groundwater quality and to monitor potential impacts to San Diego Bay with a series of "sentry-wells" in the vicinity of Convair Lagoon.

1.2 Objective

The objective of this Report is to present the results of the first quarter 2010 groundwater monitoring event, and to provide conclusions and recommendations for the ongoing monitoring program based on the results presented herein. This report also summarizes the ongoing EISB program at the Site.

1.3 Groundwater Monitoring Program

Groundwater samples were collected from 38 monitor wells during the first quarter 2010 semi-annual sampling event (Table 2, Figure 2). The monitoring for the EISB implementation in the Building 166AST/120/121, Building 180, and Former Maintenance Yard areas was performed concurrently and the results are included within this report.

Monitor well B102-MW4 is located downgradient of the former Building 102 diesel UST. It is used to monitor potential impacts related to the Building 102 AOC. Monitor wells B120-MW1, -MW2, -MW3, and -MW6 monitor groundwater quality in the Building 166AST/120/121 AOC. Monitor wells B120-MW4 and B120-MW5 are located downgradient of the Building 166AST/120/121 AOC.

In accordance with the MRP, Geosyntec installed three pairs of wells, MWCL-1 through MWCL-6, along the perimeter of Convair Lagoon in August 2006. After the third quarter 2006 sampling event, the RWQCB requested the installation of two additional monitor wells, MWCL-7 and MWCL-8, along the perimeter of Convair Lagoon. Monitor well MWCL-7 was installed adjacent to monitor wells MWCL-5 and MWCL-6 to provide additional vertical delineation of volatile organic compounds (VOC) detected during the initial sampling event in the third quarter of 2006. Monitor Well MWCL-8 was installed approximately 1.5 feet to the east of the 60-inch SWCS storm drain pipe using a 1-inch PVC casing with pre-packed well screen to evaluate the potential for the 60-inch storm drain to serve as a preferential pathway for constituent transport. Due to elevated turbidity levels observed and the potential for improved long term monitoring, MWCL-8 was abandoned and replaced with a 2-inch PVC casing well in 23 April 2009 (MWCL-8R) and constructed with traditional filter pack over an identical screen interval.

Monitor well Area D-MW1 was installed in the center of the Area D AOC excavation for post remediation monitoring purposes (Figure 2). This well was added to the routine sampling schedule and is analyzed for volatile organic compounds (VOCs) and total petroleum hydrocarbons (TPH). Due to poor well condition, downgradient monitor well TC4-EGP was abandoned and replaced with a new monitor well, Area D-MW2. This well was added to the routine MRP during the third quarter 2009 sampling event and is sampled for VOCs, TPH, and 1,4-dioxane.

Monitor well B158-MW1 is located in the center of Building 158 to monitor chromium impacts associated with the Building 158 AOC. To monitor downgradient groundwater conditions in the vicinity of Building 158, a newly constructed monitor well (B158-MW2) was installed. Both monitor wells are sampled for total chromium and hexavalent chromium.

Monitor wells within the Building 131/242 pilot study area were added to the routine MRP at the conclusion of the EISB pilot study. Monitor wells B131-MW2, -MW3, -MW5, and -MW6 evaluate the shallow groundwater quality within the area targeted by

the 131/242 EISB pilot study. Monitor well B131-MW4 is installed downgradient of the EISB pilot area.

As remediation activities are performed, wells or constituents may be recommended for addition or removal from the routine monitoring network, as site conditions dictate. Groundwater monitoring of ongoing EISB areas (Building 166AST/120/121, Former Maintenance Yard, Building 180 AOCs) is being conducted separately, under individual remedial action monitoring plans. However, analytical results from monitor wells B120-MW7, B120-MW8, B120-MW9, FMY-MW1, and B180-MW2 which monitor ongoing performance of the EISB are summarized within this report.

As requested by the RWQCB, all on-site and off-site monitor wells were sampled for dissolved phase PCBs in groundwater during this sampling event.. Two different methods were used for analysis; PCB homologs for off-site wells (Convair Lagoon vicinity) and PCB Aroclors for on-site wells.

1.4 Hydrologic Setting

The Site is located within the coastal plain section of San Diego Drainage Province, approximately 250 feet north of Convair Lagoon and the San Diego Bay. The San Diego Basin Plan (RWQCB, 2006) identifies the Site location as a portion of the Lindbergh Hydrologic Sub Area (8.21) of the San Diego Mesa Hydrologic Area within the Pueblo San Diego Hydrologic Unit. Groundwater in the Lindbergh Hydrologic Sub Area is designated as non-beneficial use and has been exempted from municipal drinking water designation by the RWQCB. Groundwater at the Site occurs at approximately 5 to 8 feet bgs. Groundwater elevations fluctuate slightly with diurnal tidal variations in the San Diego Bay.

1.5 Modifications to the MRP

The following temporary modification was made to the MRP for the first quarter 2010 monitoring event and was approved by the RWQCB (RWQCB, 2009):

Complete on-site and off-site sampling of dissolved phase PCBs in groundwater.

Recommendations for modifications to the MRP commencing with the third quarter 2010 monitoring event are presented in Section 3 and Table 2.

2. GROUNDWATER MONITORING RESULTS

This section presents the groundwater monitoring results from the first quarter 2010 sampling event. Prior to sampling, groundwater levels were measured in 38 monitor wells at the Site on 5 January 2010 (Table 3, Figure 2). Groundwater samples were collected on 5 - 8 January 2010 in accordance with the recommendations from the Third Quarter 2009 Monitoring Report (Geosyntec, 2009) and in subsequent comments from the RWQCB on 23 December 2009. All monitor wells were sampled using low flow purging and sampling methods with the exception of MWCL-5 which was sampled using slow recharge sampling methodology as described in the Site Assessment and Mitigation Manual (DEH, 2004). Groundwater sample collection logs are provided in Appendix B.

2.1 Groundwater Elevations and Flow Direction

There are 38 wells at the Site which are gauged on a semiannual basis (Table 1, Figure 2). Groundwater gauging was performed before sampling activities by two teams over approximately 3 hours during a period of high tide. Groundwater elevations at the Site ranged from a low of 0.86 feet above mean sea level (ft MSL) in monitor well MWCL-3 located in the central portion of Convair Lagoon vicinity, to a high of 2.95 ft MSL in monitor well B120-MW8 located in the north-east portion of the Site.

In the western portion of the Site the groundwater generally flows in a southerly direction with a hydraulic gradient of 0.0032 ft/ft. In the central portion of the Site the groundwater flows in a south southwesterly direction with a gradient of 0.0023 ft/ft. In the eastern portion of the Site, groundwater flows to the east and southeast with a gradient of approximately 0.0025 ft/ft. The groundwater gradient slightly increases in the vicinity of Convair Lagoon (Figure 2).

Downward vertical gradients were observed between shallow and deep well pairs B131-MW2 and -MW2D (0.47 ft) and B131-MW3 and -MW3D (0.33ft). Although well pressurization has interfered with well gauging in several slow-recharge wells, a downward gradient is typically observed between shallow and intermediate wells adjacent to Convair Lagoon.

An interface probe was used to test for immiscible layers in monitor wells at the Site. No detections of non-aqueous phase liquids (NAPL) were observed during this monitoring event.

2.2 Analytical Parameters

Groundwater sample analyses were performed by Calscience Environmental Laboratories in Garden Grove, California. Groundwater samples were analyzed by the laboratory as detailed below:

Parameter	Analytical Method
Total Petroleum Hydrocarbons (TPH)	EPA 8015B
Volatile Organic Compounds (VOCs)	EPA 8260B
Semi-Volatile Organic Compounds (SVOCs)	EPA 8270C ML
Polychlorinated Biphenyls (PCBs)	EPA 1668A or 8082 ULL
1,4-Dioxane	EPA 8270C (M)
Metals	6010B/7470A
Dissolved Organic Gases	RSK-175M
Organic Acids	HPLC/UV
Chloride, Nitrate, Nitrite, & Sulfate (General Chemistry)	EPA 300.0
Total Sulfide (General Chemistry)	SM 4500 S2-D
Total Organic Carbon	SM 5310 D

2.3 Analytical Results

A summary of groundwater analytical results is provided in Table 4. Electronic copies of the full analytical reports are provided on the enclosed CD in Appendix D.

2.3.1 Total Petroleum Hydrocarbons

Petroleum hydrocarbons were detected in monitor well B120-MW3 at a concentration of 900 µg/L, considerably less than the concentration detected at that well in July 2009 (8800 µg/L) (Table 4). No groundwater samples exceeded the proposed site-specific Risk Based Concentrations (RBCs).

2.3.2 1,4-Dioxane

Groundwater samples were analyzed using EPA method 8270C (M). Moderate concentrations of 1,4-dioxane were detected in groundwater collected from monitor wells B120-MW1 (770 µg/L), B120-MW3 (570 µg/L), B131-MW3 (180 µg/L), and

B131-MW5 (640 µg/L) (Table 4). Low concentrations were detected in B120-MW2, B120-MW6, B131-MW2, B131-MW4, B131-MW6, MWCL-1, and MWCL-7 with concentrations ranging from 5.3 µg/L to 29 µg/L. No samples exceeded the proposed site-specific RBC.

2.3.3 Polychlorinated Biphenyls

Groundwater from on-site monitor wells were analyzed for PCB Aroclors by EPA Method 8082 ULL and the off-site monitor wells were analyzed for PCB homologs using high resolution method 1668A. All groundwater PCB samples were analyzed following laboratory filtration using a 0.1 micron filter to remove suspended particulates to achieve a representative dissolved phase PCB result. PCBs were not detected in any groundwater samples from on-site wells with the exception of B120-MW2 (18.89 µg/L). PCBs were detected in the Convair Lagoon vicinity monitor wells at concentrations ranging from non-detect (ND<0.00465 ug/L) to 0.00951 µg/L. Total PCBs were also detected in the laboratory method blanks at concentrations of 0.00608 µg/L and 0.00693 µg/L.

Due to the method blank detections, the following data validation rules were applied. Homologs detected at concentrations below the laboratory reporting limits (RL) with corresponding method blank detections were validated as non-detect with a revised detection limit equal to the method blank. Homologs detected at concentrations above the RL with corresponding method blank detections at concentrations greater than the reported sample concentrations were validated as non-detections with a revised detection limit equal to the method blank. Homologs detected at concentrations above the RL with corresponding method blank detections below the reported results were retained as valid results.

2.3.4 Volatile Organic Compounds

Elevated chlorinated hydrocarbons (CVOCs) cis-1,2-dichloroethene (cis-1,2-DCE), and vinyl chloride (VC) were detected in the groundwater sample collected from Building 120 monitor well B120-MW2 at concentrations exceeding proposed site-specific RBCs (Table 4). Building 131 monitor wells B131-MW2 and B131-MW5 exceeded the proposed site specific RBC for VC.

Trace concentrations of cis-1,2-dichloroethene were detected in downgradient monitor wells BLD120-MW4 and BLD120-MW5. No other COCs were detected in these monitor wells, which are immediately downgradient of the Building 166AST/120/121 EISB interim action area. These concentrations are consistent with historical results and

are below proposed site-specific RBCs. VOC concentrations in the Former Maintenance Yard and Building 180 AOCs continue to be below the proposed site-specific RBCs (Appendix B).

Low concentrations of VOCs were also detected in groundwater samples collected from Convair Lagoon vicinity monitor wells MWCL-1, -5, -7, -8R (Table 5). All VOCs detected within Convair Lagoon vicinity monitor wells during this sampling event were below CTR and proposed site-specific RBC values. The remaining groundwater samples collected from the off-site sentry wells contained no detectable VOCs.

The trace concentrations of 1,1-dichloroethane in monitor well MWCL-1 (0.62 µg/L) and low level detection of trichloroethene in MWCL-7 (5.6 µg/L) will continue to monitored as wells as cis-1,2-dichlorethene detected in monitor well MWCL-5 (30 µg/L) which increased slightly from the last monitoring event.

2.3.5 Semi-Volatile Organic Compounds

During the First Quarter 2010 sampling event, SVOCs were sampled in the off-site Convair Lagoon vicinity monitor wells. Three of the eight Convair Lagoon monitor wells (MWCL-3, -5, and -7) contained trace detections of bis-2-ethylhexyl phthalate (Table 5) while MWCL-1 contained a concentration of 1,4-dioxane at 9.6 µg/L. All SVOCs detected within Convair Lagoon vicinity monitor wells during this sampling event were below CTR and proposed site-specific RBC values. These wells will continue to be monitored for SVOCs.

On-site monitor wells B120-MW1, B120-MW2, B120-MW3, and B120-MW6 had detections of 1,4-dioxane (770 µg/L, 5.3 µg/L, 570 µg/L, and 9.0 µg/L respectively). The concentrations of 1,4-dioxane in these wells are consistent with historic trends and are below the proposed site-specific RBC.

2.3.6 Metals

During the first Quarter 2010 sampling event, metals were sampled in the off-site Convair Lagoon vicinity monitor wells. The trace concentration of copper detected in MWCL-5 was slightly higher than the concentration detected during the previous monitoring event and slightly exceeded the CTR. Zinc did not exceed background concentrations, and all concentrations were below the CTR during the first quarter 2010 sample event. Silver was detected at low concentrations slightly above the CTR in MWCL-3 and MWCL-7. All metals results in the Convair Lagoon vicinity monitor wells are well below proposed site-specific RBCs.

Hexavalent chromium was detected above the proposed site-specific RBCs in monitor well B158-MW1 (490 mg/L). No hexavalent chromium was detected in downgradient monitor well B158-MW2.

2.4 Area Specific Evaluations

In the following sections, concentration trends and observations are noted as they pertain to AOCs as a whole. For wells and constituents that have sufficient data for trend analysis (at least three data points), time trends have been plotted and are presented in Appendix A. Time trends specifically depicting CVOC degradation trends in the EISB treatment areas are separately presented in Appendix B.

2.4.1 Building 131/242 EISB Monitoring Results

Monitor wells in the Building 131 area (BLD131-MW2, -MW3, -MW5, and -MW6) were sampled to evaluate the ongoing performance of the EISB pilot study. The monitor wells were sampled for VOCs, TOC, organic acids, general chemistry, and dissolved organic gases (Table 6). VOC concentrations from samples collected from BLD131-MW3 and -MW6 have met the proposed site-specific RBCs. Those samples contained only low level residual VOC concentrations (Table 4, Appendix B). The groundwater samples from monitor wells BLD131-MW2 and B131-MW5 exceeded the proposed site-specific RBC for vinyl chloride.

Increased cis-1,2-dichloroethene and vinyl chloride concentrations observed in B131-MW2 indicate that ongoing source degradation is occurring in the vicinity of this well. Relatively high ethene concentrations are also an indication that complete degradation is still occurring.

Vinyl chloride concentrations in B131-MW5 continue to decrease since the last sampling event. High ethene concentrations in this well indicate that complete degradation is still occurring and it is expected that vinyl chloride will continue its decreasing trend.

2.4.2 Area D Monitoring Results

Monitor well Area D-MW1 was installed following remedial excavation and groundwater/LNAPL extraction activities in Area D. This well was sampled for VOCs and TPH. No detection of VOCs or TPH was observed with the exception of a trace detection of chloromethane (0.60 µg/L).

Monitor well Area D-MW2, located downgradient from Area D, was sampled for VOCs, TPH, and 1,4-dioxane. There were no detections of these constituents observed in this monitor well.

2.4.3 Building 158 Monitoring Results

Monitor well B158-MW1 was installed within Building 158 following interim remedial activities to address chromium groundwater impacts in Building 158. The sample collected from this well contained a hexavalent chromium concentration (490 mg/L) in excess of the proposed site-specific RBC for hexavalent chromium (23 mg/L) (Table 4).

Monitor well B158-MW2 was installed downgradient of building 158. The groundwater sample from this well contained approximately 0.00519 mg/L for total chromium (which is less than the proposed site-specific RBC) and no detectable hexavalent chromium. These results indicate that chromium impacts have not migrated significantly downgradient.

2.4.4 Building 120 Monitoring Results

The only PCBs detected in on-site monitor wells were collected from monitor well B120-MW2, which is located adjacent to an area of known historic PCB impacts (the 30-inch East SWCS, which was replaced in 1986). This monitor well will continue to be analyzed for PCBs.

2.4.5 Convair Lagoon Vicinity Monitoring Results

Low levels of VOCs have been historically detected at the western monitor well cluster (MWCL-5,-6, and -7). A generally decreasing trend with the exception of MWCL-5 which had an increase of cis-1,2-dichloroethene from 3.8 µg/L to 30 µg/L (Table 5, Appendix A). Metals concentrations in the sentry wells will continue to be monitored. Trace PCBs were detected in Convair Lagoon vicinity groundwater samples with concentrations similar to those detected in the laboratory method blank. These concentrations appear to be relatively stable.

2.4.6 Full Scale EISB Monitoring Results

The Full scale EISB monitoring results for the interim remedial actions at the Building 166AST/120/121, Building 180, and Former Maintenance Yard AOC are presented in Table 6 and described below.

2.4.6.1 Building 120 EISB Monitoring Results

After initial increases, significant reductions in total VOC concentrations to below proposed site-specific RBCs were observed in monitor wells B120-MW1, -3, -6, -7, -8, and -9. Strong degradation patterns and elevated ethene concentrations indicate that complete degradation is occurring. CVOC concentrations will continue to be monitored in this area to confirm ongoing degradation trends.

Based on the data from this sampling event, proposed site-specific RBCs have been met at all monitor wells except in B120-MW2 which still exhibits exceedances of the proposed site-specific RBCs for cis-1,2-DCE, and VC (Table 6). Monitoring and evaluation will continue in future sampling events (Appendix A, Appendix B).

2.4.6.2 Former Maintenance Yard Results

Complete reductions in total VOC concentrations were observed in monitor well FMY-MW1 following the implementation of the interim action EISB program in October through December 2008. Based on the data from this sampling event, the proposed site-specific RBCs continue to be met in the vicinity of the Former Maintenance Yard (Table 6, Appendix B).

2.4.6.3 Building 180 Results

Complete reductions in total VOC concentrations were observed in monitor well B180-MW2 following the implementation of the interim action EISB program in October through December 2008. Based on the data from this sampling event, proposed site-specific RBCs continue to be met in the vicinity of the Building 180 AOC (Table 6, Appendix B).

3. CONCLUSIONS AND RECOMMENDATIONS

Groundwater elevations at the Site and near Convair Lagoon ranged from approximately 0.86 to 2.95 ft MSL. Groundwater generally flows in a southerly direction with a hydraulic gradient ranging from 0.0023 to 0.0027 ft/ft. The hydraulic gradient appears to increase in the vicinity of Convair Lagoon.

Groundwater samples collected from monitor well MWCL-5 continues to contain a low concentration of cis-1,2-DCE (less than the CTR). The concentration increased slightly compared to the last event and will continue to be monitored in future events. All other VOC concentrations detected within the Convair Lagoon vicinity wells are stable or declining and are currently below the CTRs. These wells will continue to be evaluated for VOC trends. The trace detections of silver and copper in groundwater samples from Convair Lagoon vicinity monitor wells will continue to be monitored.

Groundwater samples collected in the Former Maintenance Yard and Building 180 AOCs indicate that VOC concentration remain below the proposed site-specific RBCs in these areas. Building 166AST/120/121 AOC monitor wells sample results exhibited marked reductions in VOC concentrations. All results met the proposed site-specific RBCs, except those for monitor well B120-MW2, which exhibits exceedances of proposed site-specific RBCs for cis-1,2-DCE, and VC. This well is showing signs of significant VOC degradation and will continued to be evaluated for biodegradation performance.

Sample results from downgradient monitor wells BLD120-MW4 and BLD120-MW5 continue to indicate that COCs from the Building 166AST/120/121 AOC have not significantly migrated downgradient.

Proposed site-specific RBCs have been met in all wells in the 131/242 area with the exception of cis-1,2-dichloroethene and vinyl chloride in B131-MW2 and vinyl chloride in B131-MW5. VOC results throughout the area will continue to be monitored to determine if additional targeted donor injections are warranted.

During the first quarter 2010 sampling event, site wide sampling for PCBs in groundwater was conducted. For the on-site wells the samples were analyzed using EPA Method 8082 ULL for Aroclors. For the Convair Lagoon vicinity monitor wells, the samples were analyzed using EPA Method 1668A for homologs.

The results of the site-wide PCB sampling supports the site conceptual model, indicating the extent of PCB impacts in on-site groundwater is confined to the area of

known historical impacts in the vicinity of the 30-inch EAST SWCS. Based on these results it is recommended that groundwater will continue to be monitored for PCBs in monitor wells B120-MW2 and B120-MW3, per the existing MRP. Additional groundwater PCB sampling is not recommended in the remaining on-site groundwater wells which were sampled during this monitoring event.

In the deep monitor wells in the vicinity of Convair Lagoon, PCBs were either not detected at concentrations above the laboratory method blank results or detected at similar concentrations to those observed in the shallow monitor wells currently in the MRP program. Because the shallow monitor wells represent a more direct pathway through which to monitor potential groundwater migration to Convair Lagoon, it is recommended that PCB sampling continue in the shallow Convair Lagoon vicinity monitor wells, but that ongoing monitoring of the deep Convair Lagoon Vicinity monitor wells is not warranted.

All CVOCs have been below their respective proposed site-specific RBCs for over one year in the Former Maintenance Area and Building 180 AOCs. Although VOCs will continue to be monitored as part of the ongoing monitoring program, the additional parameters which are collected to monitor EISB performance (TOC, sulfate, sulfide, nitrate, nitrite, chloride, and organic acids) are no longer required.

4. REFERENCES

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TABLES

Table 1
Groundwater Monitor Well Specifications
2701 North Harbor Drive
San Diego, California

Well Number	Top of Casing Elevation (ft MSL)	Screened Interval (ft bgs)
AREA D-MW1	11.351	6-16
AREA D-MW2	10.130	6-16
BLD120-MW-1	8.882	10-15*
BLD120-MW-2	8.867	10-15*
BLD120-MW-3	8.776	10-15*
BLD120-MW-4	7.071	5-15
BLD120-MW-5	8.029	5-15
BLD120-MW-6	8.728	5-15
BLD120-MW-7	8.786	5-15
BLD120-MW-8	8.941	5-15
BLD120-MW-9	8.455	6-16
BLD131-MW1	8.995	5-15
BLD131-MW2	9.460	5-15
BLD131-MW2D	9.670	35-40
BLD131-MW3	9.196	5-15
BLD131-MW3D	9.750	35-40
BLD131-MW4	8.916	5-15
BLD131-MW5	10.116	5-15
BLD131-MW6	9.458	5-15
BLD180-MW1	7.887	5-15
BLD180-MW2	8.465	5-15
BLD102-MW3	9.685	12-17*
BLD102-MW4	8.831	12-17*
BLD102-MW5	9.533	10-15*
BLD102-MW6	9.390	10-15*
BLD-156-MW1	9.263	10-15*
BLD158-MW1	9.370	5-15
BLD158-MW2	9.520	5-15
FMY-MW1	8.314	6-16
GT4	8.917	5-15
MWCL-1	8.426	37-42
MWCL-2	8.491	5-15
MWCL-3	9.520	38-43
MWCL-4	9.604	5-15
MWCL-5	11.074	37-42
MWCL-6	10.949	5-15
MWCL-7	11.150	60-65
MWCL-8R	9.150	7-12
P2	9.120	5-15*

MSL - Mean Sea Level

ft bgs - feet below ground surface

NS - Not surveyed at time of report

* - Estimated screened interval

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Table 2
Revised Groundwater Sampling Matrix
2701 North Harbor Drive
San Diego, California

Monitoring Well ID	Sampling Frequency	Laboratory Analyses									
		VOCs by EPA Method 8260B	Ethene/ Ethane/ Methane by EPA Method RSK-175M	SVOCs by EPA Method 8270C ML	TPH by EPA Method 8015	PCBs by EPA Method 1668A[8,9]	PCBs by EPA Method 8082 ULL[7,9]	Dissolved Metals by EPA Method 6010B/7470A[10]	1,4-Dioxane by Modified EPA Method 8270[2]	EISB Sampling Suite[3]	Total Chromium/ Hexavalent Chromium
AREA D-MW1	Semi-Annually	X	-	-	X	-	-	-	-	-	-
AREA D-MW2	Semi-Annually	X	-	-	X	-	-	-	X	-	-
BLD102-MW4	Semi-Annually	X	-	-	X	-	-	-	-	-	-
BLD102-MW5	Single Event	-	-	-	-	-	-	-	-	-	-
BLD102-MW6	Single Event	-	-	-	-	-	-	-	-	-	-
BLD120-MW1	Semi-Annually	X	X	-	X	-	-	-	X	X	-
BLD120-MW2	Semi-Annually	X(dup)	X	-	X(dup)	-	X[5,6] (dup)	-	X (dup)	X	-
BLD120-MW3	Semi-Annually	X	X	-	X	-	X[5,6]	-	X	X	-
BLD120-MW4	Semi-Annually	X	-	-	X	-	-	-	X	-	-
BLD120-MW5	Semi-Annually	X	-	-	X	-	-	-	X	-	-
BLD120-MW6	Semi-Annually	X	X	-	X	-	-	-	X	X	-
BLD120-MW7	Semi-Annually	X[1]	X[1]	-	-	-	-	-	-	X[1]	-
BLD120-MW8	Semi-Annually	X[1]	X[1]	-	-	-	-	-	-	X[1]	-
BLD120-MW9	Semi-Annually	X[1]	X[1]	-	-	-	-	-	-	X[1]	-
GT4	Single Event	-	-	-	-	-	-	-	-	-	-
P2	Single Event	-	-	-	-	-	-	-	-	-	-
BLD131-MW1	Single Event	-	-	-	-	-	-	-	-	-	-
BLD131-MW2	Semi-Annually	X	X	-	-	-	-	-	X	X	-
BLD131-MW2D	Single Event	-	-	-	-	-	-	-	-	-	-
BLD131-MW3	Semi-Annually	X(dup)	X	-	-	-	-	-	X	X	-
BLD131-MW3D	Single Event	-	-	-	-	-	-	-	-	-	-
BLD131-MW4	Semi-Annually	X	-	-	-	-	-	-	X	-	-
BLD131-MW5	Semi-Annually	X	X	-	-	-	-	-	X	X	-
BLD131-MW6	Semi-Annually	X	X	-	-	-	-	-	X	X	-
BLD156-MW1	Single Event	-	-	-	-	-	-	-	-	-	-
BLD158-MW1	Semi-Annually	-	-	-	-	-	-	-	-	-	X
BLD158-MW2	Semi-Annually	-	-	-	-	-	-	-	-	-	X
BLD180-MW1	Single Event	-	-	-	-	-	-	-	-	-	-
BLD180-MW2	Semi-Annually	X[1]	X[1]	-	-	-	-	-	-	-	-
FMY-MW1	Semi-Annually	X[1]	X[1]	-	-	-	-	-	-	-	-
MWCL-1	Semi-Annually	X	-	X	X	-	-	X	X	-	-
MWCL-2	Semi-Annually	X(dup)	-	X (dup)	X (dup)	X[4] (dup)	-	X (dup)	X (dup)	-	-
MWCL-3	Semi-Annually	X	-	X	X	-	-	X	X	-	-
MWCL-4	Semi-Annually	X	-	X	X	X[4]	-	X	X	-	-
MWCL-5	Semi-Annually	X	-	X	X	-	-	X	X	-	-
MWCL-6	Semi-Annually	X	-	X	X	X[4]	-	X	X	-	-
MWCL-7	Semi-Annually	X	-	X	X	-	-	X	X	-	-
MWCL-8R	Semi-Annually	X	-	X	X	X[4]	-	X	X	-	-

Equipment Blanks- 1/truck/day

Trip Blanks- 1/courier pickup

(dup) - collect a duplicate sample - label as ("sample ID"-B)

VOCs - Volatile Organic Compounds

SVOCs - Semi-Volatile Organic Compounds

TPH - Total Petroleum Hydrocarbons

PCBs - Polychlorinated Biphenyls

EISB - Enhanced In-situ Bioremediation

- Analyte not sampled

Semi-Annual sampling to be conducted in January and July of each year

1- EISB monitoring program samples (not MRP related)

2 - Modified EPA Method 8270 using GC/MS isotope dilution to achieve 2ng/L detection limits

3- TOC, sulfate, sulfide, nitrate, nitrite, chloride, and organic acids.

4- PCBs presented as homologs

5- PCB presented as Aroclors

6 - PCB Screening Samples (not MRP related)

7 - Columbia Analytical Services (Kelso, WA)

8 - Columbia Analytical Services (Houston, TX)

9 - Laboratory filtered sample (0.01 micron filter)

10 - Field Filtered

New Removal

Table 3
Summary of Groundwater Elevations
2701 North Harbor Drive
San Diego, California

Geosyntec consultants

Well Number	Top of Casing Elevation (ft MSL)	Date	Depth to Bottom (ft toc)	Depth to Water (ft toc)	Groundwater Elevation (ft MSL)
BLD120-MW1	8.882	8/30/2006	14.75	6.30	2.58
		1/8/2007	14.75	6.49	2.39
		8/21/2007	14.75	6.59	2.29
		1/21/2008	14.75	6.10	2.78
		7/21/2008	14.75	6.24	2.64
		1/14/2009	14.75	5.05	3.83
		7/20/2009	14.75	5.97	2.91
		1/5/2010	14.75	6.15	2.73
BLD120-MW2	8.867	8/30/2006	13.60	6.49	2.38
		1/8/2007	13.40	6.60	2.27
		8/21/2007	13.33	6.72	2.15
		1/21/2008	13.33	6.19	2.68
		7/21/2008	13.33	6.40	2.47
		1/14/2009	13.33	5.34	3.53
		7/20/2009	13.33	6.29	2.58
		1/5/2010	13.33	6.36	2.51
BLD120-MW3	8.776	8/30/2006	14.34	6.45	2.33
		1/8/2007	14.34	6.60	2.18
		8/21/2007	14.35	6.67	2.11
		1/21/2008	14.35	6.30	2.48
		7/21/2008	14.35	6.36	2.42
		1/14/2009	14.35	5.58	3.20
		7/20/2009	14.35	6.34	2.44
		1/5/2010	14.35	3.36	2.42
BLD120-MW4	7.071	8/30/2006	14.55	5.00	2.07
		1/8/2007	14.55	5.22	1.85
		8/21/2007	14.55	5.13	1.94
		1/21/2008	14.55	4.63	2.44
		7/21/2008	14.55	4.80	2.27
		1/14/2009	14.55	4.74	2.33
		7/20/2009	14.55	5.05	2.02
		1/5/2010	14.55	4.99	2.08
BLD120-MW5	8.029	8/30/2006	15.15	6.00	2.03
		1/8/2007	15.15	6.05	1.98
		8/21/2007	15.15	5.97	2.06
		1/21/2008	15.15	5.42	2.61
		7/21/2008	15.15	5.33	2.70
		1/14/2009	15.15	5.72	2.31
		7/20/2009	15.15	6.04	1.99
		1/5/2010	15.15	5.81	2.22
BLD120-MW6	8.728	8/30/2006	14.55	6.36	2.37
		1/8/2007	14.55	6.50	2.23
		8/21/2007	14.55	6.62	2.11
		1/21/2008	14.55	5.99	2.74
		7/21/2008	14.55	6.32	2.41
		1/14/2009	14.55	5.19	3.54
		7/20/2009	14.55	6.09	2.64
		1/5/2010	14.55	6.24	2.49
BLD120-MW7	8.786	1/14/2009	15.05	6.21	2.58
		7/20/2009	15.05	6.53	2.26
		1/5/2010	15.05	6.66	2.13
BLD120-MW8	8.941	1/14/2009	15.22	4.88	4.06
		7/20/2009	15.22	6.00	2.94
		1/5/2010	15.22	5.99	2.95
BLD120-MW9	8.455	1/14/2009	15.37	4.62	3.84
		7/20/2009	15.37	5.44	3.02
		1/5/2010	15.37	5.57	2.89
BLD131-MW1	8.995	8/30/2006	14.55	6.36	2.64
		1/8/2007	14.55	6.60	2.40
		8/21/2007	14.55	6.55	2.45
		1/21/2008	14.55	6.35	2.65
		7/21/2008	14.55	6.35	2.65
		1/14/2009	14.55	6.30	2.70
		7/20/2009	14.55	6.64	2.36
		1/5/2010	14.55	6.58	2.42

Table 3
Summary of Groundwater Elevations
2701 North Harbor Drive
San Diego, California

Geosyntec consultants

Well Number	Top of Casing Elevation (ft MSL)	Date	Depth to Bottom (ft toc)	Depth to Water (ft toc)	Groundwater Elevation (ft MSL)
BLD131-MW2	9.460	8/30/2006	14.51	6.80	2.66
		1/8/2007	14.51	7.05	2.41
		8/21/2007	14.51	7.00	2.46
		1/21/2008	14.51	6.70	2.76
		7/21/2008	14.51	6.77	2.69
		1/14/2009	14.51	6.66	2.80
		7/20/2009	14.51	7.02	2.44
		1/5/2010	14.51	6.97	2.49
BLD131-MW2D	9.670	8/30/2006	40.08	7.57	2.10
		1/8/2007	40.08	-	-
		8/21/2007	40.08	7.80	1.87
		1/21/2008	40.08	7.31	3.02
		7/21/2008	40.08	7.70	1.97
		1/14/2009	40.08	7.14	2.53
		7/20/2009	40.08	8.04	1.63
		1/5/2010	40.08	7.65	2.02
BLD131-MW3	9.196	8/30/2006	14.46	6.61	2.59
		1/8/2007	14.46	6.95	2.25
		8/21/2007	14.46	6.83	2.37
		1/21/2008	14.46	6.65	2.55
		7/21/2008	14.46	6.63	2.57
		1/14/2009	14.46	6.59	2.61
		7/20/2009	14.46	6.93	2.27
		1/5/2010	14.46	6.89	2.31
BLD131-MW3D	9.750	8/30/2006	39.88	7.76	1.99
		1/8/2007	39.88	-	-
		8/21/2007	39.88	7.89	1.86
		1/21/2008	39.88	7.15	2.60
		7/21/2008	39.88	7.52	2.23
		1/14/2009	39.88	7.64	2.11
		7/20/2009	39.88	8.28	1.47
		1/5/2010	39.88	7.77	1.98
BLD131-MW4	8.916	8/30/2006	13.70	6.29	2.63
		1/8/2007	13.70	6.70	2.22
		8/21/2007	13.70	6.50	2.42
		1/21/2008	13.70	6.54	2.38
		7/21/2008	13.70	6.33	2.59
		1/14/2009	13.70	6.46	2.46
		7/20/2009	13.70	6.79	2.13
		1/5/2010	13.70	6.65	2.26
BLD131-MW5	10.116	8/30/2006	13.55	-	-
		1/8/2007	13.55	-	-
		8/21/2007	13.55	7.84	2.28
		1/21/2008	13.55	7.76	2.36
		7/21/2008	13.55	7.70	2.42
		1/14/2009	13.55	7.67	2.45
		7/20/2009	13.55	7.98	2.14
		1/5/2010	13.55	7.91	2.21
BLD131-MW6	9.458	7/21/2008	15.19	6.88	2.58
		1/14/2009	15.19	6.88	2.58
		7/20/2009	15.19	7.20	2.26
		1/5/2010	15.19	7.17	2.28
BLD180-MW1	7.887	8/30/2006	15.25	6.29	1.60
		1/8/2007	15.25	-	-
		8/21/2007	15.25	6.13	1.76
		1/21/2008	15.25	6.21	1.68
		7/21/2008	15.25	6.26	1.63
	8.125	1/14/2009	15.25	6.40	1.49
		7/20/2009	15.25	6.53	1.60
		1/5/2010	15.25	6.60	1.53

Table 3
Summary of Groundwater Elevations
2701 North Harbor Drive
San Diego, California

Geosyntec consultants

Well Number	Top of Casing Elevation (ft MSL)	Date	Depth to Bottom (ft toc)	Depth to Water (ft toc)	Groundwater Elevation (ft MSL)
BLD180-MW2	8.465	1/14/2009	13.35	6.52	1.95
		7/20/2009	13.35	6.40	2.07
		1/5/2010	13.35	6.76	1.71
BLD102-MW4	8.831	8/30/2006	17.80	6.44	2.39
		1/8/2007	17.80	6.65	2.18
		8/21/2007	17.80	6.57	2.26
		1/21/2008	17.80	6.50	2.33
		7/21/2008	17.80	6.27	2.56
		1/14/2009	17.80	6.74	2.09
		7/20/2009	17.80	6.76	2.07
		1/5/2010	17.80	6.77	2.06
BLD102-MW5	9.533	8/30/2006	15.18	7.11	2.42
		1/8/2007	15.18	7.40	2.13
		8/21/2007	15.18	7.29	2.24
		1/21/2008	15.18	7.09	2.44
		7/21/2008	15.18	7.02	2.51
		1/14/2009	15.18	6.89	2.64
		7/20/2009	15.18	7.23	2.30
		1/5/2010	15.18	7.19	2.34
BLD102-MW6	9.390	7/20/2009	15.25	7.09	2.30
		1/5/2010	15.25	6.98	2.41
BLD-156-MW1	9.263	8/30/2006	15.36	6.61	2.65
		1/8/2007	15.36	6.90	2.36
		8/21/2007	15.36	6.87	2.39
		1/21/2008	15.36	6.51	2.75
		7/21/2008	15.36	6.58	2.68
		1/14/2009	15.36	6.43	2.83
		7/20/2009	15.36	6.85	2.41
		1/5/2010	15.36	6.77	2.49
MWCL-1	8.426	8/30/2006	42.20	6.55	1.88
		1/8/2007	42.20	6.70	1.73
		8/21/2007	42.20	6.99	1.44
		1/21/2008	42.20	5.99	2.44
		7/21/2008	42.20	6.67	1.76
		1/14/2009	42.20	6.52	1.91
		7/20/2009	42.20	7.00	1.43
		1/5/2010	42.20	6.64	1.79
MWCL-2	8.491	8/30/2006	14.18	6.92	1.57
		1/8/2007	14.20	6.90	1.59
		8/21/2007	14.20	7.00	1.49
		1/21/2008	14.20	6.64	1.85
		7/21/2008	14.20	6.59	1.90
		1/14/2009	14.20	6.65	1.84
		7/20/2009	14.20	6.75	1.74
		1/5/2010	14.20	6.46	2.03
MWCL-3	9.520	8/30/2006	43.32	8.71	0.81
		1/8/2007	43.40	9.20	0.32
		8/21/2007	43.40	8.99	0.53
		1/21/2008	43.40	8.12	1.40
		7/21/2008	43.40	11.05*	-1.53
		1/14/2009	43.40	8.60	0.92
		7/20/2009	43.40	10.12*	-0.60
		1/5/2010	43.40	8.66	0.86

Table 3
Summary of Groundwater Elevations
2701 North Harbor Drive
San Diego, California

Geosyntec consultants

Well Number	Top of Casing Elevation (ft MSL)	Date	Depth to Bottom (ft toc)	Depth to Water (ft toc)	Groundwater Elevation (ft MSL)
MWCL-4	9.604	8/30/2006	14.30	7.90	1.70
		1/8/2007	14.30	8.05	1.55
		8/21/2007	14.30	8.13	1.47
		1/21/2008	14.30	7.83	1.77
		7/21/2008	14.30	7.86	1.74
		1/14/2009	14.30	7.98	1.62
		7/20/2009	14.30	8.15	1.45
		1/5/2010	14.30	7.90	1.70
MWCL-5	11.074	8/30/2006	42.44	10.32	0.75
		1/8/2007	42.50	10.60	0.47
		8/21/2007	42.50	10.64	0.43
		1/21/2008	42.50	10.01	1.06
		7/21/2008	42.50	20.07*	-8.99
		1/14/2009	42.50	10.18	0.89
		7/20/2009	42.50	12.80*	-1.73
		1/5/2010	42.50	10.03	1.04
MWCL-6	10.949	8/30/2006	14.85	9.84	1.11
		1/8/2007	14.90	10.10	0.85
		8/21/2007	14.90	10.19	0.76
		1/21/2008	14.90	8.70	2.25
		7/21/2008	14.90	9.83	1.12
		1/14/2009	14.90	9.95	1.00
		7/20/2009	14.90	9.80	1.15
		1/5/2010	14.90	9.75	1.20
MWCL-7	11.150	1/8/2007	65.00	9.54	1.61
		8/21/2007	65.00	9.83	1.32
		1/21/2008	65.00	9.42	1.73
		7/21/2008	65.00	9.34	1.81
		1/14/2009	65.00	9.16	1.99
		7/20/2009	65.00	9.68	1.47
		1/5/2010	65.00	9.99	1.16
MWCL-8R	9.150	7/20/2009	12.19	7.93	1.22
		1/5/2010	12.19	7.77	1.38
GT4	8.917	8/30/2006	15.66	7.09	1.83
		1/8/2007	15.66	7.48	1.44
		8/21/2007	15.66	7.31	1.61
		1/21/2008	15.66	6.96	1.96
		7/21/2008	15.66	6.91	2.01
		1/14/2009	15.66	6.84	2.08
		7/20/2009	15.66	7.02	1.90
		1/5/2010	15.66	7.04	1.88
P2	9.120	7/20/2009	14.83	6.26	2.86
		1/5/2010	14.83	6.35	2.77
B158-MW1	9.370	7/21/2008	14.97	6.60	2.77
		1/14/2009	14.97	6.38	2.99
		7/20/2009	14.97	6.76	2.61
		1/5/2010	14.97	6.68	2.69
B158-MW2	9.520	7/20/2009	16.56	6.84	2.68
		1/5/2010	16.56	6.70	2.82
AreaD-MW1	11.351	7/21/2008	16.69	8.41	2.94
		1/14/2009	16.69	8.25	3.10
		7/20/2009	16.69	8.59	2.76
		1/5/2010	16.69	8.55	2.80
AreaD-MW2	10.13	7/20/2009	15.67	7.36	2.77
		1/5/2010	15.67	7.33	2.80
FMY-MW1	8.314	1/14/2009	15.15	6.05	2.26
		7/20/2009	15.15	6.20	2.11
		1/5/2010	15.15	6.17	2.14

Notes:
ft toc = feet below top of casing
ft MSL = feet below Mean Sea Level
" - " = Monitor well not gauged
* - Groundwater elevation artificially low due to pressurized well conditions

Table 4
Summary of Detected Constituents in On-Site Wells
2701 North Harbor Drive
San Diego, California

			AreaD-MW1		AreaD-MW2		BLD102-MW4		BLD120-MW1		BLD120-MW2		BLD120-MW3		BLD120-MW4		BLD120-MW5		BLD120-MW6		BLD120-MW-7	
	Units	RBC	7/21/2009	1/6/2010	7/21/2009	1/6/2010	7/22/2009	1/7/2010	7/22/2009	1/5/2010	7/22/2009	1/6/2010	7/22/2009	1/6/2010	7/22/2009	1/5/2010	7/22/2009	1/6/2010	7/22/2009	1/8/2010	7/21/2009	1/5/2010
PCBs																						
Total Monocb	ng/L	NE	-	-	-	-	-	-	-	-	**0.0599**	-	**0.00734**	-	-	-	-	-	-	-	-	-
Total Dicb	ng/L	NE	-	-	-	-	-	-	-	-	**2.42**	-	**0.25**	-	-	-	-	-	-	-	-	-
Total Tricb	ng/L	NE	-	-	-	-	-	-	-	-	**54.20**	-	**0.902**	-	-	-	-	-	-	-	-	-
Total Tetracb	ng/L	NE	-	-	-	-	-	-	-	-	**115.00**	-	**3.21**	-	-	-	-	-	-	-	-	-
Total Pentacb	ng/L	NE	-	-	-	-	-	-	-	-	**75.80**	-	**1.29**	-	-	-	-	-	-	-	-	-
Total Hexacb	ng/L	NE	-	-	-	-	-	-	-	-	**13.60**	-	**0.206**	-	-	-	-	-	-	-	-	-
Total Heptacb	ng/L	NE	-	-	-	-	-	-	-	-	**0.00**	-	**0.0678**	-	-	-	-	-	-	-	-	-
Total Octacb	ng/L	NE	-	-	-	-	-	-	-	-	**2.10**	-	**0.0263**	-	-	-	-	-	-	-	-	-
Total Nonacb	ng/L	NE	-	-	-	-	-	-	-	-	**0.23**	-	**0.0112**	-	-	-	-	-	-	-	-	-
Total Pcbs	ng/L	NE	-	-	-	-	-	-	-	-	**270**	**18**	**5.97**	-	-	-	-	-	-	-	-	-
Aroclor 1248	µg/L	NE	-	ND<0.049	-	ND<0.029	-	ND<0.0050	-	ND<0.0085	-	**0.89**	-	ND<0.0068	-	ND<0.0049	-	ND<0.0029	-	ND<0.019	-	ND<0.011
Aroclor 1260	µg/L	NE	-	ND<0.014	-	ND<0.011	-	ND<0.00096	-	ND<0.0050	-	-	-	ND<0.0013	-	ND<0.0014	-	ND<0.0026	-	ND<0.0050	-	ND<0.0011
General Chemistry Parameters																						
Chloride	mg/L	NE	-	-	-	-	-	-	**290 D**	**590 D**	**250 D**	**470 D**	**560 D**	**770 D**	-	-	-	-	**190 D**	**280 D**	**1100 D**	**2000 D**
Nitrate (as N)	mg/L	NE	-	-	-	-	-	-	ND<0.1	<0.2 D	ND<0.1	**0.062 J**	**0.12 J**	<0.2 D	-	-	-	-	**0.021 J**	ND<0.1	**0.054 J**	<0.2 D
Nitrite (as N)	mg/L	NE	-	-	-	-	-	-	ND<0.1	<0.2 D	ND<0.1	ND<0.1	**0.62**	<0.2 D	-	-	-	-	ND<0.1	ND<0.1	ND<0.2	<0.2 D
Sulfate	mg/L	NE	-	-	-	-	-	-	**3.1**	**1.5 JD**	**3.4**	**5.6**	**3.6**	**3.2 D**	-	-	-	-	**6.1**	**24**	**2.3**	**9.6 D**
Sulfide, Total	mg/L	NE	-	-	-	-	-	-	**0.20**	ND<0.05	**0.10**	ND<0.05	**0.15**	ND<0.05	-	-	-	-	**0.25**	**0.10**	**0.20**	ND<0.05
Carbon, Total Organic	mg/L	NE	-	-	-	-	-	-	**280**	**60**	**720**	**47**	**1800**	**200**	-	-	-	-	**57**	**12**	**25**	**31**
Metals Parameters																						
Chromium, Hexavalent	mg/L	23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	mg/L	23,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds																						
1,1-dichloroethane	µg/L	30,000	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	**1.2**	ND<1	ND<20	ND<50	**2.0 J**	ND<2	ND<1	ND<1	ND<1	ND<1	**0.99 J**	**0.50 J**	ND<1	ND<1
1,1-dichloroethene	µg/L	4,800	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<20	ND<50	**2.9 J**	ND<2	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1
1,2,4-trimethylbenzene	µg/L	1,100	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<20	ND<50	ND<5	ND<2	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1
1,2-dichlorobenzene	µg/L	1,700	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<20	ND<50	ND<5	ND<2	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1
1,2-dichloroethane	µg/L	360	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	**1.3**	ND<0.5	ND<10	ND<25	ND<2.5	ND<1	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5
1,3-dichlorobenzene	µg/L	4,800	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<20	ND<50	ND<5	ND<2	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1
1,4-dichlorobenzene	µg/L	5,300	ND<1	ND<1	ND<1	ND<10	ND<1	ND<1	ND<1	ND<1	ND<20	ND<50	ND<5	ND<2	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1
2-butanone	µg/L	920,000	ND<10	ND<10	ND<10	<10	ND<10	ND<10	**7.9 J**	ND<10	ND<200	ND<500	**110**	ND<20	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10
Acetone	µg/L	430,000	**16 J**	ND<50	ND<50	ND<50	ND<50	ND<50	**47 J**	ND<50	ND<1000	ND<2500	**800**	**150**	ND<50	ND<50	ND<50	ND<50	**13 J**	ND<50	ND<50	ND<50
Benzene	µg/L	1,500	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	**0.41 J**	ND<0.5	ND<10	ND<25	ND<2.5	ND<1	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	**0.38 J**	**0.30 J**
Bromodichloromethane	µg/L	8,600	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<20	ND<50	ND<5	ND<2	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1
Chlorobenzene	µg/L	7,800	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<20	ND<50	ND<5	ND<2	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1
Chloroethane	µg/L	47,000	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	**6.1**	**2.1 J**	ND<100	ND<250	ND<25	ND<10	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	**12**	**9.7**
Chloroform	µg/L	15,000	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<20	ND<50	ND<5	ND<2	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1
Chloromethane	µg/L	4,500	ND<10	**0.60 J**	ND<10	ND<10	ND<10	ND<10	**1.0 J**	ND<10	ND<200	ND<500	ND<50	ND<20	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10
Cis-1,2-dichloroethene	µg/L	2,400	ND<1	ND<1	ND<1	ND<1	**0.96 J**	ND<1	**4.0**	**5.8**	**5200 D**	**3000**	**310**	**9.0**	**1.8**	**1.0**	**1.7**	**1.2**	**5.5**	**38**	ND<1	**0.82 J**
Tetrachloroethene	µg/L	320	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	**510**	**54**	ND<5	ND<2	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1
Toluene	µg/L	20,000	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	**0.45 J**	**0.51 J**	ND<20	ND<50	ND<5	ND<2	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1
Trans-1,2-dichloroethene	µg/L	4,800	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	**3.1**	**0.56 J**	**31**	**50**	**3.2 J**	**2.3**	ND<1	ND<1	ND<1	ND<1	ND<1	**5.8**	**0.56 J**	**0.42 J**
Trichloroethene	µg/L	260	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	**0.39 J**	-	**130**	**20 J**	ND<5	ND<2	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	**0.40 J**	ND<1
Vinyl Chloride	µg/L	500	ND<0.5	ND<0.5	**1.1**	ND<0.5	**6.1**	**0.65**	**3.6**	**2.1**	**2100**	**6000**	**2.5 J**	**5.6**	ND<0.5	ND<0.5	ND<0.5	ND<0.5	**1.3**	**71**	**1.1**	**1.5**
Semi Volatile Organic Compounds																						
1,4-dioxane	µg/L	910,000	-	-	ND<2	ND<2	-	-	**920**	**770**	**33**	**5.3**	**790**	**570**	ND<2	ND<2	ND<2	ND<2	**8.4**	**9.0**	-	-
Total Petroleum Hydrocarbons (TPH)																						
C6-c44 Total	µg/L	10,000	**850**	ND<500	ND<500	ND<500	ND<500	ND<500	**2500**	ND<500	**2200**	ND<500	**8800**	**900**	ND<500	ND<500	ND<500	ND<500	**1000**	ND<500	-	-
Organic Acids																						
Acetic Acid	mg/L	NE	-	-	-	-	-	-	**330 D**	**21**	**1100 D**	**4.7**	**2500 D**	**89 D**	-	-	-	-	**53 D**	ND<1	**9.5**	ND<1
Butyric Acid	mg/L	NE	-	-	-	-	-	-	**140 D**	ND<1	**94**	ND<1	**450**	ND<1	-	-	-	-	ND<1	ND<1	ND<1	ND<1
Propionic Acid	mg/L	NE	-	-	-	-	-	-	**37**	ND<1	**45**	ND<1	**160**	ND<1	-	-	-	-	ND<1	ND<1	ND<1	ND<1
Dissolved Organic Gases																						
Ethane	µg/L	NE	-	-	-	-	-	-	**0.450 J**	**0.100 J**	**0.260 J**	**0.410 J**	**1.39**	**0.200 J**	-	-	-	-	**0.320 J**	**0.160 J**	**0.0800 J**	**0.650 J**
Ethene	µg/L	NE	-	-	-	-	-	-	**56.0**	-	**841**	**872**	**34.6**	**7.57**	-	-	-	-	**35.9**	**34.7**	**9.08**	**17.2**
Methane	µg/L	NE	-	-	-	-	-	-	**6400**	**3920**	**6150**	**5990**	**10400**	**5800**	-	-	-	-	**8330**	**4450**	**5800**	**6360**

Notes:
ND< - Not detected at concentrations greater than or equal to the laboratory reporting limit (RL)
D - reported value from a dilution and the reporting limit
J - reported value is between the analytical method detecton limit
mg/L - milligrams per liter
µg/L - micrograms per liter
ng/L - nanograms per liter
pg/L - picograms per liter
"-" - Not Analyzed
NE - Not Established
Method Blank with lab sample ID EQ0900286-01 corresponds to samples collected at BLD120-MW2

Table 4
Summary of Detected Constituents in On-Site Wells
2701 North Harbor Drive
San Diego, California

			BLD120-MW8		BLD120-MW9		BLD131-MW1	BLD131-MW2		BLD131-MW3		BLD131-MW4		BLD131-MW5		BLD131-MW6		BLD158-MW1		BLD158-MW2		MB-E0900543
	Units	RBC	7/21/2009	1/5/2010	7/21/2009	1/5/2010	1/7/2010	7/22/2009	1/6/2010	7/22/2009	1/6/2010	7/22/2009	1/7/2010	7/22/2009	1/7/2010	7/21/2009	1/6/2010	7/20/2009	1/7/2010	7/20/2009	1/7/2010	EQ0900286-01
PCBs																						
Total Monocb	ng/L	NE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<200
Total Dicb	ng/L	NE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**0.0196**
Total Tricb	ng/L	NE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**0.0103**
Total Tetracb	ng/L	NE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**0.00577**
Total Pentacb	ng/L	NE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**0.00268**
Total Hexacb	ng/L	NE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**0.00166**
Total Heptacb	ng/L	NE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**0.00578**
Total Octacb	ng/L	NE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**0.00378**
Total Nonacb	ng/L	NE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<1000
Total Pcbs	ng/L	NE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**0.0496**
Aroclor 1248	µg/L	NE	-	ND<0.0070	-	ND<0.012	ND<0.0018	-	ND<0.0017	-	ND<0.034	-	ND<0.0011	-	ND<0.0043	-	-	-	ND<0.0072	-	ND<0.0013	-
Aroclor 1260	µg/L	NE	-	ND<0.0050	-	ND<0.0012	ND<0.00096	-	ND<0.00096	-	ND<0.015	-	ND<0.00096	-	ND<0.00096	-	-	-	ND<0.0016	-	ND<0.00096	-
General Chemistry Parameters																						
Chloride	mg/L	NE	**210 D**	**250 D**	**310 D**	**300 D**	-	**280 D**	**330 D**	**330 D**	**500 D**	-	-	**760 D**	**810 D**	**770 D**	**700 D**	-	-	-	-	-
Nitrate (as N)	mg/L	NE	**0.044 J**	ND<0.1	ND<0.1	<0.2 D	-	ND<0.1	ND<0.1	ND<0.1	<0.2 D	-	-	ND<0.2	**0.076 JD**	ND<0.2	<0.2 D	-	-	-	-	-
Nitrite (as N)	mg/L	NE	ND<0.1	ND<0.1	**0.66**	<0.2 D	-	ND<0.1	ND<0.1	ND<0.1	<0.2 D	-	-	ND<0.2	<0.2 D	ND<0.2	<0.2 D	-	-	-	-	-
Sulfate	mg/L	NE	**4.2**	**1.5**	**2.5**	**1.3 JD**	-	**2.8**	**5.6**	**9.3**	**6.8 D**	-	-	**220 D**	**240 D**	**29**	**7.7 D**	-	-	-	-	-
Sulfide, Total	mg/L	NE	**0.050**	ND<0.05	**0.10**	**0.30**	-	**0.20**	**0.20**	**1.2**	**0.80**	-	-	ND<0.05	ND<0.05	**0.10**	**0.10**	-	-	-	-	-
Carbon, Total Organic	mg/L	NE	**180**	**24**	**560**	**230**	-	**21**	**9.6**	**55**	**15**	-	-	**52**	**9.5**	**9.1**	**10**	-	-	-	-	-
Metals Parameters																						
Chromium, Hexavalent	mg/L	23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**760**	**490**	-	ND<0.02	-
Chromium	mg/L	23,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**664**	**546**	**0.00651**	**0.00519 J**	-
Volatile Organic Compounds																						
1,1-dichloroethane	µg/L	30,000	ND<1	ND<1	ND<10	ND<1	-	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<10	ND<10	ND<1	ND<1	-	-	-	-	-
1,1-dichloroethene	µg/L	4,800	ND<1	ND<1	ND<10	ND<1	-	ND<1	**1.9**	ND<1	ND<1	ND<1	ND<1	ND<10	ND<10	ND<1	ND<1	-	-	-	-	-
1,2,4-trimethylbenzene	µg/L	1,100	ND<1	ND<1	ND<10	ND<1	-	**0.35 J**	**0.45 J**	ND<1	ND<1	ND<1	ND<1	ND<10	ND<10	ND<1	ND<1	-	-	-	-	-
1,2-dichlorobenzene	µg/L	1,700	ND<1	ND<1	ND<10	ND<1	-	**4.6**	**5.8**	ND<1	ND<1	ND<1	ND<1	ND<10	ND<10	**0.85 J**	**0.93 J**	-	-	-	-	-
1,2-dichloroethane	µg/L	360	ND<0.5	ND<0.5	ND<5	ND<0.5	-	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5	ND<5	ND<0.5	ND<0.5	-	-	-	-	-
1,3-dichlorobenzene	µg/L	4,800	ND<1	ND<1	ND<10	ND<1	-	**0.39 J**	**0.45 J**	ND<1	ND<1	ND<1	ND<1	ND<10	ND<10	ND<1	ND<1	-	-	-	-	-
1,4-dichlorobenzene	µg/L	5,300	ND<1	ND<1	ND<10	ND<1	-	**12**	**12**	**2.0**	**2.3**	ND<1	ND<1	ND<10	ND<10	**4.6**	**5.0**	-	-	-	-	-
2-butanone	µg/L	920,000	ND<10	ND<10	ND<100	ND<10	-	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<100	ND<100	ND<10	ND<10	-	-	-	-	-
Acetone	µg/L	430,000	**610 D**	ND<50	**870**	**540 D**	-	ND<50	ND<50	ND<50	ND<50	ND<50	ND<50	ND<500	ND<500	ND<50	ND<50	-	-	-	-	-
Benzene	µg/L	1,500	ND<0.5	ND<0.5	ND<5	ND<0.5	-	**1.2**	**0.68**	**2.0**	**2.3**	ND<0.5	ND<0.5	**13**	**12**	**13**	**24**	-	-	-	-	-
Bromodichloromethane	µg/L	8,600	ND<1	ND<1	ND<10	ND<1	-	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<10	ND<10	ND<1	ND<1	-	-	-	-	-
Chlorobenzene	µg/L	7,800	ND<1	ND<1	ND<10	ND<1	-	**2.0**	**1.6**	ND<1	**0.25 J**	ND<1	ND<1	ND<10	ND<10	**2.5**	**2.6**	-	-	-	-	-
Chloroethane	µg/L	47,000	ND<5	**3.8 J**	ND<50	**3.0 J**	-	**3.4 J**	**9.2**	ND<5	**3.4 J**	ND<5	ND<5	ND<50	ND<50	ND<5	ND<5	-	-	-	-	-
Chloroform	µg/L	15,000	ND<1	ND<1	ND<10	ND<1	-	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<10	ND<10	ND<1	ND<1	-	-	-	-	-
Chloromethane	µg/L	4,500	ND<10	ND<10	ND<100	ND<10	-	**0.98 J**	ND<10	ND<10	ND<10	ND<10	ND<10	ND<100	ND<100	ND<10	ND<10	-	-	-	-	-
Cis-1,2-dichloroethene	µg/L	2,400	**3.7**	**2.3**	**23**	**0.79 J**	-	**0.69 J**	**610 D**	**1.3**	**0.78 J**	**1.4**	**0.85 J**	ND<10	ND<10	**0.90 J**	ND<1	-	-	-	-	-
Tetrachloroethene	µg/L	320	ND<1	ND<1	ND<10	ND<1	-	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<10	ND<10	ND<1	ND<1	-	-	-	-	-
Toluene	µg/L	20,000	ND<1	ND<1	ND<10	**0.95 J**	-	**0.86 J**	**1.4**	**0.49 J**	**0.56 J**	ND<1	ND<1	ND<10	ND<10	**1.2**	**0.63 J**	-	-	-	-	-
Trans-1,2-dichloroethene	µg/L	4,800	**1.1**	**0.51 J**	ND<10	**0.41 J**	-	ND<1	**3.5**	ND<1	**0.75 J**	ND<1	ND<1	**15**	**11**	ND<1	ND<1	-	-	-	-	-
Trichloroethene	µg/L	260	ND<1	ND<1	ND<10	ND<1	-	ND<1	**6.3**	**0.35 J**	ND<1	ND<1	ND<1	ND<10	ND<10	ND<1	ND<1	-	-	-	-	-
Vinyl Chloride	µg/L	500	**1.2**	**0.79**	**6.4**	**0.55**	-	**1.6**	**1300 D**	**2.1**	**1.6**	**28**	**11**	**2500 D**	**1600**	**1.3**	**0.63**	-	-	-	-	-
Semi Volatile Organic Compounds																						
1,4-dioxane	µg/L	910,000	-	-	-	-	-	**9.3**	**8.5**	**130**	**180**	**15**	**29**	**440**	**640**	**32**	**21**	-	-	-	-	-
Total Petroleum Hydrocarbons (TPH)																						-
C6-c44 Total	µg/L	10,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Organic Acids																						-
Acetic Acid	mg/L	NE	**290 D**	**11**	**960 D**	**430 D**	-	**3.4**	ND<1	ND<1	ND<1	-	-	ND<1	ND<1	ND<1	ND<1	-	-	-	-	-
Butyric Acid	mg/L	NE	ND<1	ND<1	**190**	**12**	-	ND<1	ND<1	ND<1	ND<1	-	-	ND<1	ND<1	ND<1	ND<1	-	-	-	-	-
Propionic Acid	mg/L	NE	**14**	ND<1	**51**	**50 D**	-	ND<1	ND<1	ND<1	ND<1	-	-	ND<1	ND<1	ND<1	ND<1	-	-	-	-	-
Dissolved Organic Gases																						
Ethane	µg/L	NE	**1.66**	**7.80**	**0.290 J**	**0.350 J**	-	**4.84**	**7.43**	**4.54**	**4.48**	-	-	**113**	**172**	**28.5**	**69.8**	-	-	-	-	-
Ethene	µg/L	NE	**3.88**	**0.720 J**	**20.4**	**7.34**	-	**460**	**954**	**8.66**	**8.55**	-	-	**163**	**236**	**113**	**11.5**	-	-	-	-	-
Methane	µg/L	NE	**7650**	**7680**	**10100**	**6830**	-	**6090**	**8890**	**7440**	**7010**	-	-	**4540**	**6960**	**9510**	**7300**	-	-	-	-	-

Notes:
ND< - Not detected at concentrations greater than or equal to the laboratory reporting limit (RL)
D - reported value from a dilution and the reporting limit
J - reported value is between the analytical method detecton limit
mg/L - milligrams per liter
µg/L - micrograms per liter
ng/L - nanograms per liter
pg/L - picograms per liter
"-" - Not Analyzed
NE - Not Established
Method Blank with lab sample ID EQ0900286-01 corresponds to samples collected at BLD120-MW2

Table 5

Summary of Detected Constituents in Off-Site Wells
2701 North Harbor Drive
San Diego, California

			CTR		MWCL-1		MWCL-2		MWCL-3		MWCL-4	
	Units	Background	Marine	Human Health	7/20/2009	1/8/2010	7/21/2009	1/7/2008	7/20/2009	1/8/2010	7/21/2009	1/8/2010
Metals Parameters												
Antimony	mg/L	NE	NE	4.3	ND<0.015	ND<0.015	**0.00950 J**	**0.00751 J**	ND<0.015	ND<0.015	ND<0.015	ND<0.015
Arsenic	mg/L	NE	0.036	NE	**0.0184**	**0.0163**	ND<0.01	ND<0.01	**0.0162**	**0.0265**	ND<0.01	ND<0.01
Barium	mg/L	0.49	NE	NE	**0.0622**	**0.0628**	**0.101**	**0.134**	**0.0456**	**0.0436**	**0.0556**	**0.0588**
Beryllium	mg/L	NE	NE	NE	ND<0.001	ND<0.01	**0.000224 J**	ND<0.01	ND<0.001	ND<0.01	ND<0.001	ND<0.01
Cadmium	mg/L	NE	0.0093	NE	ND<0.005	ND<0.01	ND<0.005	ND<0.01	**0.000435 J**	ND<0.01	ND<0.005	ND<0.01
Chromium	mg/L	0.03	NE	NE	ND<0.005	ND<0.01	ND<0.005	ND<0.01	ND<0.005	ND<0.01	ND<0.005	ND<0.01
Cobalt	mg/L	0.04	NE	NE	**0.00592**	**0.00533 J**	ND<0.005	ND<0.01	**0.00101 J**	ND<0.01	ND<0.005	ND<0.01
Copper	mg/L	NE	0.0031	NE	ND<0.005	ND<0.01	ND<0.005	ND<0.01	ND<0.005	ND<0.01	ND<0.005	ND<0.01
Lead	mg/L	NE	0.0081	NE	**0.00284 J**	ND<0.01	ND<0.01	ND<0.01	**0.00617 J**	ND<0.01	ND<0.01	ND<0.01
Mercury	mg/L	NE	NE	0.000051	ND<0.0005	ND<0.0005	ND<0.0005	ND<0.0005	ND<0.0005	ND<0.0005	**0.000424 J**	ND<0.0005
Molybdenum	mg/L	0.046	NE	NE	**0.0141**	**0.0178**	**0.0139**	**0.00968 J**	**0.00307 J**	**0.00620 J**	**0.00727**	**0.00878 J**
Nickel	mg/L	0.1	0.0082	4.6	**0.00252 J**	ND<0.01	**0.00239 J**	ND<0.01	ND<0.005	ND<0.01	**0.00341 J**	ND<0.01
Selenium	mg/L	0.63	0.071	NE	**0.00708 J**	ND<0.015	ND<0.015	ND<0.015	**0.0135 J**	ND<0.015	ND<0.015	ND<0.015
Silver	mg/L	NE	0.0019	NE	**0.00212 J**	ND<0.005	**0.00191 J**	ND<0.005	**0.00510**	**0.00548**	**0.00131 J**	ND<0.005
Thallium	mg/L	NE	NE	0.0063	ND<0.015	ND<0.015	**0.00254 J**	ND<0.015	ND<0.015	ND<0.015	ND<0.015	ND<0.015
Vanadium	mg/L	0.76	NE	NE	ND<0.005	ND<0.01	ND<0.005	ND<0.01	ND<0.005	ND<0.01	**0.00467 J**	ND<0.01
Zinc	mg/L	0.069	0.081	NE	**0.0133**	**0.00692 J**	**0.0104**	**0.00678 J**	**0.0225**	**0.0119**	**0.00617 J**	**0.0106**
Volatile Organic Compounds												
1,1-dichloroethane	µg/L	NE	NE	NE	**0.71 J**	**0.62 J**	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1
Benzene	µg/L	NE	NE	71	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5
Bromodichloromethane	µg/L	NE	NE	46	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1
Chloroform	µg/L	NE	NE	NE	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1
Chloromethane	µg/L	NE	NE	NE	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10
Cis-1,2-dichloroethene	µg/L	NE	NE	NE	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1
Trichloroethene	µg/L	NE	NE	81	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1
Semi Volatile Organic Compounds												
Bis(2-ethylhexyl) Phthalate	µg/L	NE	NE	5.9	**0.39 J**	ND<5	ND<1	ND<5	**0.51 J**	**1.0 J**	ND<1	ND<5
1,4-dioxane	µg/L	NE	NE	NE	**11**	**9.6**	ND<2	ND<2	ND<2	ND<2	ND<2	ND<2
PCBs												
Total PCBs	ng/L	NE	30	0.17	--	ND<4.65 B	ND<3.74 B	ND<4.65 B	--	**9.51**	**3.86**	**6.17**

Notes:
ND< - Not detected at concentrations greater than or equal to the laboratory reporting limit (RL)
B - Constituent also detected in method blank
D - reported value from a dilution and the reporting limit
J - reported value is between the analytical method detecton limit
mg/L - milligrams per liter
µg/L - micrograms per liter
ng/L - nanograms per liter
pg/L - picograms per liter
"-" - Not Analyzed
NE - Not Established
Method Blank with lab sample ID EQ0900286-01 corresponds to samples collected at MWCL-2, MWCL-4 , MWCL-6, MWCL-8R
Method Blank with lab sample ID EQ1000013-02 corresponds to samples collected at MWCL-1, MWCL-2, MWCL-7, MWCL-5 and MWCL-8R
Method Blank with lab sample ID EQ1000029-01 corresponds to samples collected at MWCL-3, MWCL-4 and MWCL-6

Table 5

Summary of Detected Constituents in Off-Site Wells
2701 North Harbor Drive
San Diego, California

			CTR		MWCL-5		MWCL-6		MWCL-7		MWCL-8	
	Units	Background	Marine	Human Health	7/20/2009	1/8/2010	7/21/2009	1/8/2010	7/20/2009	1/8/2010	7/21/2009	1/7/2008
Metals Parameters												
Antimony	mg/L	NE	NE	4.3	ND<0.015	ND<0.015	**0.00855 J**	ND<0.015	ND<0.015	ND<0.015	**0.00407 J**	ND<0.015
Arsenic	mg/L	NE	0.036	NE	**0.00969 J**	**0.0241**	**0.00311 J**	ND<0.01	**0.00391 J**	**0.0201**	ND<0.01	ND<0.01
Barium	mg/L	0.49	NE	NE	**0.0497**	**0.0512**	**0.0420**	**0.0539**	**0.130**	**0.0472**	**0.0577**	**0.0526**
Beryllium	mg/L	NE	NE	NE	ND<0.001	ND<0.01	ND<0.001	ND<0.01	ND<0.001	ND<0.01	ND<0.001	ND<0.01
Cadmium	mg/L	NE	0.0093	NE	ND<0.005	ND<0.01	ND<0.005	ND<0.01	**0.000394 J**	ND<0.01	ND<0.005	ND<0.01
Chromium	mg/L	0.03	NE	NE	**0.0309**	ND<0.01	**0.00479 J**	ND<0.01	**0.0748**	ND<0.01	ND<0.005	ND<0.01
Cobalt	mg/L	0.04	NE	NE	**0.00168 J**	ND<0.01	ND<0.005	ND<0.01	**0.0106**	**0.0228**	**0.000809 J**	ND<0.01
Copper	mg/L	NE	0.0031	NE	**0.00417 J**	**0.00660 J**	**0.00137 J**	ND<0.01	**0.00251 J**	ND<0.01	ND<0.005	ND<0.01
Lead	mg/L	NE	0.0081	NE	**0.00424 J**	ND<0.01	ND<0.01	ND<0.01	**0.00306 J**	ND<0.01	ND<0.01	ND<0.01
Mercury	mg/L	NE	NE	0.000051	ND<0.0005	ND<0.0005	ND<0.0005	ND<0.0005	ND<0.0005	ND<0.0005	ND<0.0005	ND<0.0005
Molybdenum	mg/L	0.046	NE	NE	**0.00225 J**	**0.00512 J**	**0.00523**	**0.00554 J**	**0.0208**	**0.00520 J**	**0.00829**	**0.00682 J**
Nickel	mg/L	0.1	0.0082	4.6	ND<0.005	ND<0.01	**0.00287 J**	ND<0.01	**0.0115**	**0.00934 J**	**0.00634**	ND<0.01
Selenium	mg/L	0.63	0.071	NE	**0.00699 J**	ND<0.015	**0.0124 J**	ND<0.015	**0.00799 J**	ND<0.015	**0.0161**	ND<0.015
Silver	mg/L	NE	0.0019	NE	**0.00590**	**0.00597**	**0.00188 J**	ND<0.005	**0.00497 J**	**0.00685**	**0.00201 J**	ND<0.005
Thallium	mg/L	NE	NE	0.0063	ND<0.015	ND<0.015	**0.00323 J**	ND<0.015	ND<0.015	ND<0.015	**0.00604 J**	ND<0.015
Vanadium	mg/L	0.76	NE	NE	**0.00275 J**	**0.00733 J**	**0.00295 J**	ND<0.01	ND<0.005	ND<0.01	**0.00260 J**	ND<0.01
Zinc	mg/L	0.069	0.081	NE	**0.0169**	**0.0209**	**0.00857 J**	ND<0.01	**0.167**	**0.0204**	**0.00701 J**	**0.0118**
Volatile Organic Compounds												
1,1-dichloroethane	µg/L	NE	NE	NE	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1
Benzene	µg/L	NE	NE	71	ND<0.5	ND<0.5	ND<0.5	ND<0.5	**1.7**	ND<0.5	ND<0.5	ND<0.5
Bromodichloromethane	µg/L	NE	NE	46	ND<1	ND<1	ND<1	ND<1	**0.79 J**	ND<1	ND<1	ND<1
Chloroform	µg/L	NE	NE	NE	ND<1	ND<1	ND<1	ND<1	**1.9**	ND<1	ND<1	ND<1
Chloromethane	µg/L	NE	NE	NE	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	**0.57 J**	ND<10
Cis-1,2-dichloroethene	µg/L	NE	NE	NE	**3.8**	**30**	ND<1	ND<1	**7.5**	ND<1	ND<1	ND<1
Trichloroethene	µg/L	NE	NE	81	ND<1	ND<1	ND<1	ND<1	**13**	**5.6**	ND<1	ND<1
Semi Volatile Organic Compounds												
Bis(2-ethylhexyl) Phthalate	µg/L	NE	NE	5.9	**0.68 J**	**0.55 J**	**0.24 J**	ND<5	**0.23 J**	**0.45 J**	ND<1	ND<5
1,4-dioxane	µg/L	NE	NE	NE	ND<2	ND<2	ND<2	ND<2	**21**	ND<2	ND<2	ND<2
PCBs												
Total PCBs	ng/L	NE	30	0.17	--	ND<4.65 B	ND<3.74 B	**6.57**	--	ND<4.65 B	**5.29 BJ**	ND<4.65 B

Notes:
ND< - Not detected at concentrations greater than or equal to the laboratory reporting limit (RL)
B - Constituent also detected in method blank
D - reported value from a dilution and the reporting limit
J - reported value is between the analytical method detecton limit
mg/L - milligrams per liter
µg/L - micrograms per liter
ng/L - nanograms per liter
pg/L - picograms per liter
"-" - Not Analyzed
NE - Not Established
Method Blank with lab sample ID EQ0900286-01 corresponds to samples collected at MWCL-2, MWCL-4 , MWCL-6, MWCL-8R
Method Blank with lab sample ID EQ1000013-02 corresponds to samples collected at MWCL-1, MWCL-2, MWCL-7, MWCL-5 and MWCL-8R
Method Blank with lab sample ID EQ1000029-01 corresponds to samples collected at MWCL-3, MWCL-4 and MWCL-6

Table 5

Summary of Detected Constituents in Off-Site Wells
2701 North Harbor Drive
San Diego, California

			CTR		MB-E0900543	MB - E1000028	MB - E1000028
	Units	Background	Marine	Human Health	EQ0900286-01	EQ1000013-01	EQ1000029-01
Metals Parameters							
Antimony	mg/L	NE	NE	4.3	-	-	-
Arsenic	mg/L	NE	0.036	NE	-	-	-
Barium	mg/L	0.49	NE	NE	-	-	-
Beryllium	mg/L	NE	NE	NE	-	-	-
Cadmium	mg/L	NE	0.0093	NE	-	-	-
Chromium	mg/L	0.03	NE	NE	-	-	-
Cobalt	mg/L	0.04	NE	NE	-	-	-
Copper	mg/L	NE	0.0031	NE	-	-	-
Lead	mg/L	NE	0.0081	NE	-	-	-
Mercury	mg/L	NE	NE	0.000051	-	-	-
Molybdenum	mg/L	0.046	NE	NE	-	-	-
Nickel	mg/L	0.1	0.0082	4.6	-	-	-
Selenium	mg/L	0.63	0.071	NE	-	-	-
Silver	mg/L	NE	0.0019	NE	-	-	-
Thallium	mg/L	NE	NE	0.0063	-	-	-
Vanadium	mg/L	0.76	NE	NE	-	-	-
Zinc	mg/L	0.069	0.081	NE	-	-	-
Volatile Organic Compounds							
1,1-dichloroethane	µg/L	NE	NE	NE	-	-	-
Benzene	µg/L	NE	NE	71	-	-	-
Bromodichloromethane	µg/L	NE	NE	46	-	-	-
Chloroform	µg/L	NE	NE	NE	-	-	-
Chloromethane	µg/L	NE	NE	NE	-	-	-
Cis-1,2-dichloroethene	µg/L	NE	NE	NE	-	-	-
Trichloroethene	µg/L	NE	NE	81	-	-	-
Semi Volatile Organic Compounds							
Bis(2-ethylhexyl) Phthalate	µg/L	NE	NE	5.9	-	-	-
1,4-dioxane	µg/L	NE	NE	NE	-	-	-
PCBs							
Total PCBs	ng/L	NE	30	0.17	**3.73**	**6.08**	**6.93**

Notes:
ND< - Not detected at concentrations greater than or equal to the laboratory reporting limit (RL)
B - Constituent also detected in method blank
D - reported value from a dilution and the reporting limit
J - reported value is between the analytical method detecton limit
mg/L - milligrams per liter
µg/L - micrograms per liter
ng/L - nanograms per liter
pg/L - picograms per liter
"-" - Not Analyzed
NE - Not Established
Method Blank with lab sample ID EQ0900286-01 corresponds to samples collected at MWCL-2, MWCL-4 , MWCL-6, MWCL-8R
Method Blank with lab sample ID EQ1000013-02 corresponds to samples collected at MWCL-1, MWCL-2, MWCL-7, MWCL-5 and MWCL-8R
Method Blank with lab sample ID EQ1000029-01 corresponds to samples collected at MWCL-3, MWCL-4 and MWCL-6

Table 6

Summary of Detected Constituents in Full-Scale EISB Treatment Areas

2701 North Harbor Drive

San Diego, California

			BLD120-MW1		BLD120-MW2		BLD120-MW3		BLD120-MW6	
	Units	RBC	7/22/2009	1/5/2010	7/22/2009	1/6/2010	7/22/2009	1/6/2010	7/22/2009	1/8/2010
General Chemistry Parameters										
Chloride	mg/L	NE	290 D	590 D	250 D	470 D	560 D	770 D	190 D	280 D
Nitrate (as N)	mg/L	NE	ND<0.1	<0.2 D	ND<0.1	0.062 J	0.12 J	<0.2 D	0.021 J	ND<0.1
Nitrite (as N)	mg/L	NE	ND<0.1	<0.2 D	ND<0.1	ND<0.1	0.62	<0.2 D	ND<0.1	ND<0.1
Sulfate	mg/L	NE	3.1	1.5 JD	3.4	5.6	3.6	3.2 D	6.1	24
Sulfide, Total	mg/L	NE	0.20	ND<0.05	0.10	ND<0.05	0.15	ND<0.05	0.25	0.10
Carbon, Total Organic	mg/L	NE	280	60	720	47	1800	200	57	12
Volatile Organic Compounds										
1,1-dichloroethane	µg/L	30,000	1.2	ND<1	ND<20	ND<50	2.0 J	ND<2	0.99 J	0.50 J
1,1-dichloroethene	µg/L	4,800	ND<1	ND<1	ND<20	ND<50	2.9 J	ND<2	ND<1	ND<1
1,2-dichloroethane	µg/L	360	1.3	ND<0.5	ND<10	ND<25	ND<2.5	ND<1	ND<0.5	ND<0.5
2-butanone	µg/L	920,000	7.9 J	ND<10	ND<200	ND<500	110	ND<20	ND<10	ND<10
Acetone	µg/L	430,000	47 J	ND<50	ND<1000	ND<2500	800	150	13 J	ND<50
Benzene	µg/L	1,500	0.41 J	ND<0.5	ND<10	ND<25	ND<2.5	ND<1	ND<0.5	ND<0.5
Chloroethane	µg/L	47,000	6.1	2.1 J	ND<100	ND<250	ND<25	ND<10	ND<5	ND<5
Chloromethane	µg/L	4,500	1.0 J	ND<10	ND<200	ND<500	ND<50	ND<20	ND<10	ND<10
Cis-1,2-dichloroethene	µg/L	2,400	4.0	5.8	5200 D	3000	310	9.0	5.5	38
Tetrachloroethene	µg/L	320	ND<1	ND<1	510	54	ND<5	ND<2	ND<1	ND<1
Toluene	µg/L	20,000	0.45 J	0.51 J	ND<20	ND<50	ND<5	ND<2	ND<1	ND<1
Trans-1,2-dichloroethene	µg/L	4,800	3.1	0.56 J	31	50	3.2 J	2.3	ND<1	5.8
Trichloroethene	µg/L	260	0.39 J	-	130	20 J	ND<5	ND<2	ND<1	ND<1
Vinyl Chloride	µg/L	500	3.6	2.1	2100	6000	2.5 J	5.6	1.3	71
Organic Acids										
Acetic Acid	mg/L	NE	330 D	21	1100 D	4.7	2500 D	89 D	53 D	ND<1
Butyric Acid	mg/L	NE	140 D	ND<1	94	ND<1	450	ND<1	ND<1	ND<1
Propionic Acid	mg/L	NE	37	ND<1	45	ND<1	160	ND<1	ND<1	ND<1
Dissolved Organic Gases										
Ethane	µg/L	NE	0.450 J	0.100 J	0.260 J	0.410 J	1.39	0.200 J	0.320 J	0.160 J
Ethene	µg/L	NE	56.0	-	841	872	34.6	7.57	35.9	34.7
Methane	µg/L	NE	6400	3920	6150	5990	10400	5800	8330	4450

Notes:

ND< - Not detected at concentrations greater than or equal to the laboratory reporting limit (RL)

D - reported value from a dilution

J - reported value is between the analytical method detecton limit and the reporting limit

mg/L - milligrams per liter

µg/L - micrograms per liter

" -" - Not Analyzed

NE - Not Established

Table 6

Summary of Detected Constituents in Full-Scale EISB Treatment Areas

2701 North Harbor Drive

San Diego, California

			BLD120-MW-7		BLD120-MW8		BLD120-MW9		BLD180-MW2	
	Units	RBC	7/21/2009	1/5/2010	7/21/2009	1/5/2010	7/21/2009	1/5/2010	7/21/2009	1/7/2010
General Chemistry Parameters										
Chloride	mg/L	NE	1100 D	2000 D	210 D	250 D	310 D	300 D	880 D	870 D
Nitrate (as N)	mg/L	NE	0.054 J	<0.2 D	0.044 J	ND<0.1	ND<0.1	<0.2 D	ND<0.2	<0.2 D
Nitrite (as N)	mg/L	NE	ND<0.2	<0.2 D	ND<0.1	ND<0.1	0.66	<0.2 D	ND<0.2	<0.2 D
Sulfate	mg/L	NE	2.3	9.6 D	4.2	1.5	2.5	1.3 JD	5.1	4.1 D
Sulfide, Total	mg/L	NE	0.20	ND<0.05	0.050	ND<0.05	0.10	0.30	4.5	0.30
Carbon, Total Organic	mg/L	NE	25	31	180	24	560	230	90	60
Volatile Organic Compounds										
1,1-dichloroethane	µg/L	30,000	ND<1	ND<1	ND<1	ND<1	ND<10	ND<1	ND<1	ND<1
1,1-dichloroethene	µg/L	4,800	ND<1	ND<1	ND<1	ND<1	ND<10	ND<1	ND<1	ND<1
1,2-dichloroethane	µg/L	360	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5	ND<0.5	ND<0.5	ND<0.5
2-butanone	µg/L	920,000	ND<10	ND<10	ND<10	ND<10	ND<100	ND<10	ND<10	ND<10
Acetone	µg/L	430,000	ND<50	ND<50	610 D	ND<50	870	540 D	53	ND<50
Benzene	µg/L	1,500	0.38 J	0.30 J	ND<0.5	ND<0.5	ND<5	ND<0.5	0.36 J	0.40 J
Chloroethane	µg/L	47,000	12	9.7	ND<5	3.8 J	ND<50	3.0 J	ND<5	ND<5
Chloromethane	µg/L	4,500	ND<10	ND<10	ND<10	ND<10	ND<100	ND<10	ND<10	ND<10
Cis-1,2-dichloroethene	µg/L	2,400	ND<1	0.82 J	3.7	2.3	23	0.79 J	ND<1	ND<1
Tetrachloroethene	µg/L	320	ND<1	ND<1	ND<1	ND<1	ND<10	ND<1	ND<1	ND<1
Toluene	µg/L	20,000	ND<1	ND<1	ND<1	ND<1	ND<10	0.95 J	ND<1	ND<1
Trans-1,2-dichloroethene	µg/L	4,800	0.56 J	0.42 J	1.1	0.51 J	ND<10	0.41 J	1.1	0.83 J
Trichloroethene	µg/L	260	0.40 J	ND<1	ND<1	ND<1	ND<10	ND<1	ND<1	ND<1
Vinyl Chloride	µg/L	500	1.1	1.5	1.2	0.79	6.4	0.55	ND<0.5	8.0
Organic Acids										
Acetic Acid	mg/L	NE	9.5	ND<1	290 D	11	960 D	430 D	35	21
Butyric Acid	mg/L	NE	ND<1	ND<1	ND<1	ND<1	190	12	ND<1	ND<5
Propionic Acid	mg/L	NE	ND<1	ND<1	14	ND<1	51	50 D	ND<1	ND<5
Dissolved Organic Gases										
Ethane	µg/L	NE	0.0800 J	0.650 J	1.66	7.80	0.290 J	0.350 J	0.0500 J	0.170 J
Ethene	µg/L	NE	9.08	17.2	3.88	0.720 J	20.4	7.34	0.740 J	1.97
Methane	µg/L	NE	5800	6360	7650	7680	10100	6830	6770	5490

Notes:

ND< - Not detected at concentrations greater than or equal to the laboratory reporting limit (RL)

D - reported value from a dilution

J - reported value is between the analytical method detecton limit and the reporting limit

mg/L - milligrams per liter

µg/L - micrograms per liter

" -" - Not Analyzed

NE - Not Established

Table 6

Summary of Detected Constituents in Full-Scale EISB Treatment Areas
2701 North Harbor Drive
San Diego, California

			FMY-MW1	
	Units	RBC	7/21/2009	1/7/2010
General Chemistry Parameters				
Chloride	mg/L	NE	600 D	400 D
Nitrate (as N)	mg/L	NE	0.050 J	ND<0.1
Nitrite (as N)	mg/L	NE	ND<0.2	ND<0.1
Sulfate	mg/L	NE	2.8	2.1
Sulfide, Total	mg/L	NE	0.30	0.10
Carbon, Total Organic	mg/L	NE	89	48
Volatile Organic Compounds				
1,1-dichloroethane	µg/L	30,000	ND<2	ND<1
1,1-dichloroethene	µg/L	4,800	ND<2	ND<1
1,2-dichloroethane	µg/L	360	ND<1	ND<0.5
2-butanone	µg/L	920,000	ND<20	ND<10
Acetone	µg/L	430,000	280	ND<50
Benzene	µg/L	1,500	ND<1	ND<0.5
Chloroethane	µg/L	47,000	ND<10	ND<5
Chloromethane	µg/L	4,500	ND<20	ND<10
Cis-1,2-dichloroethene	µg/L	2,400	ND<2	0.80 J
Tetrachloroethene	µg/L	320	ND<2	ND<1
Toluene	µg/L	20,000	ND<2	ND<1
Trans-1,2-dichloroethene	µg/L	4,800	ND<2	ND<1
Trichloroethene	µg/L	260	ND<2	ND<1
Vinyl Chloride	µg/L	500	ND<1	ND<0.5
Organic Acids				
Acetic Acid	mg/L	NE	26	3.1
Butyric Acid	mg/L	NE	ND<1	ND<1
Propionic Acid	mg/L	NE	ND<1	ND<1
Dissolved Organic Gases				
Ethane	µg/L	NE	0.0700 J	0.190 J
Ethene	µg/L	NE	0.690 J	0.170 J
Methane	µg/L	NE	6480	5600

Notes:

ND< - Not detected at concentrations greater than or equal to the laboratory reporting limit (RL)

D - reported value from a dilution

J - reported value is between the analytical method detecton limit and the reporting limit

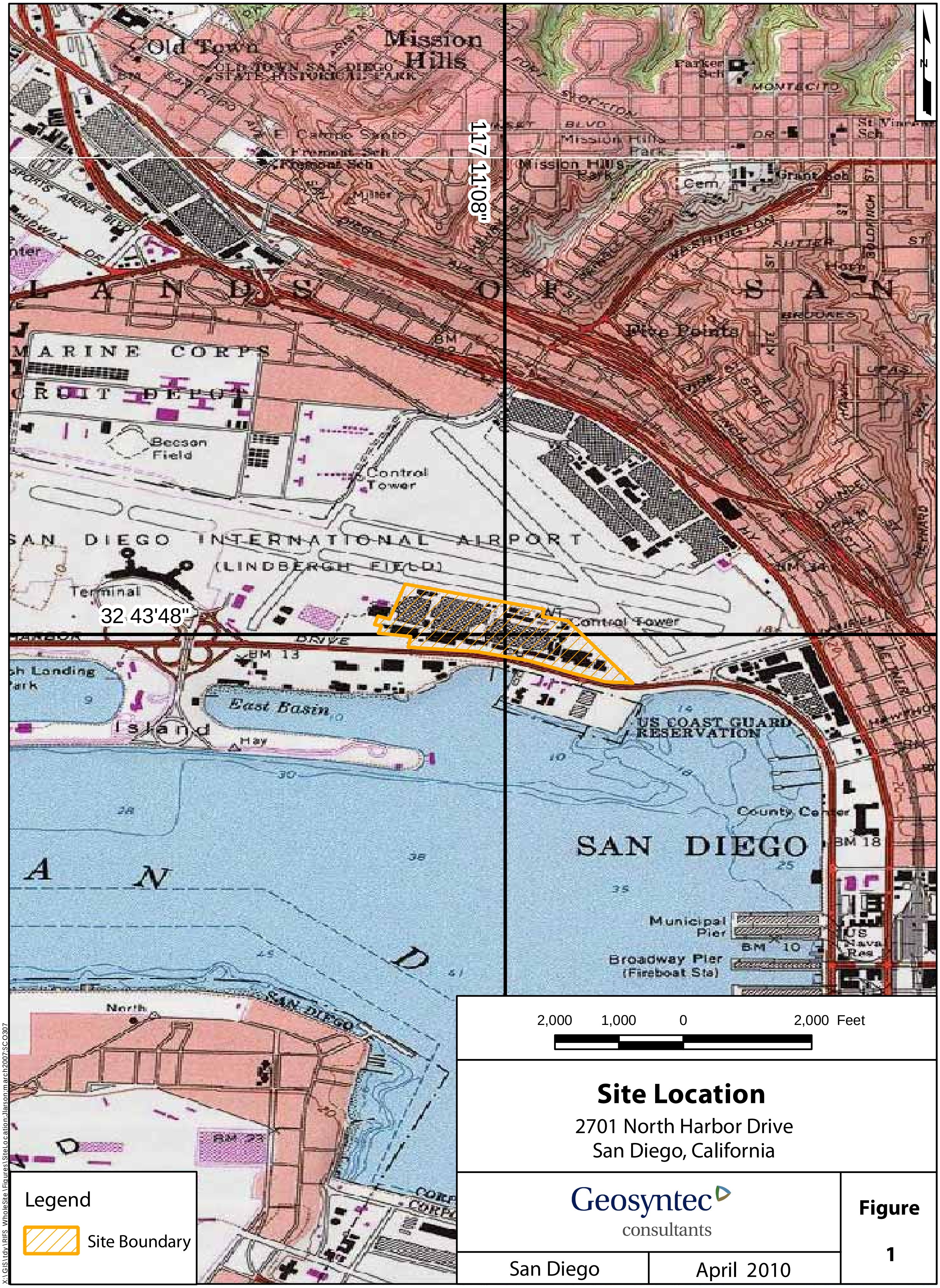
mg/L - milligrams per liter

µg/L - micrograms per liter

" -" - Not Analyzed

NE - Not Established

FIGURES


117 11'08"
32 43'48"
Old Town
Mission Hills
OLD TOWN SAN DIEGO STATE HISTORICAL PARK
Fremont Sch
Mission Hills Park
Parker Sch
Grant Sch
Five Points
MARINE CORPS
Beeson Field
Control Tower
SAN DIEGO INTERNATIONAL AIRPORT
(LINDBERGH FIELD)
Terminal
East Basin
US COAST GUARD RESERVATION
County Center
SAN DIEGO
Municipal Pier
Broadway Pier (Fireboat Sta)
2,000 1,000 0 2,000 Feet
Legend
Site Boundary

Site Location

2701 North Harbor Drive
San Diego, California

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Figure 1

AREA D-MW1
2.80

AREA D-MW2
2.80

P2
2.77

B158-MW1*
2.69

B158-MW2
2.82

B131-MW1
2.42

B131-MW2
2.49

B156-MW1
2.49

B131-MW2D*

GT4*
1.88

B131-MW6
2.28

B131-MW3
2.31

B131-MW3D*

B131-MW5
2.21

B131-MW4
2.26

B102-MW6
2.41

B102-MW5
2.34

B102-MW4*
2.06

B120-MW9
2.89

FMY-MW!
2.14

B120-MW1
2.73

B120-MW8
2.95

B120-MW2
2.51

B120-MW3
2.42

B120-MW-5
2.22

B120-MW7
2.13

B120-MW6
2.49

B120-MW-4
2.08

B180-MW2
1.71

B180-MW1
1.53

MWCL-6
1.20

MWCL-7*
1.16

MWCL-5*
1.04

MWCL-4
1.70

MWCL-3*
0.86

MWCL-8R*
1.38

MWCL-2
2.03

MWCL-1*
1.79

2.75
2.50
2.25
2.00
1.75
1.50
1.25
0.0032
0.0027
0.0023
0.0027

Legend

- Monitor Well With Groundwater (Elevation in Feet Above Mean Sea Level)
- 0.0009 — Approximate Groundwater Flow Direction and Hydraulic Gradient (Ft/Ft)
- 2.75 — Groundwater Elevation Contour (Contour Interval 0.25 Feet)
- Storm Water Conveyance System
- Site Boundary

* - Well not used in groundwater contouring
Water levels gauged on 5 Janaury 2010 from 9:30 AM to 11:30 AM

200 100 0 200 Feet

Groundwater Elevations and Flow Direction

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San Diego, California

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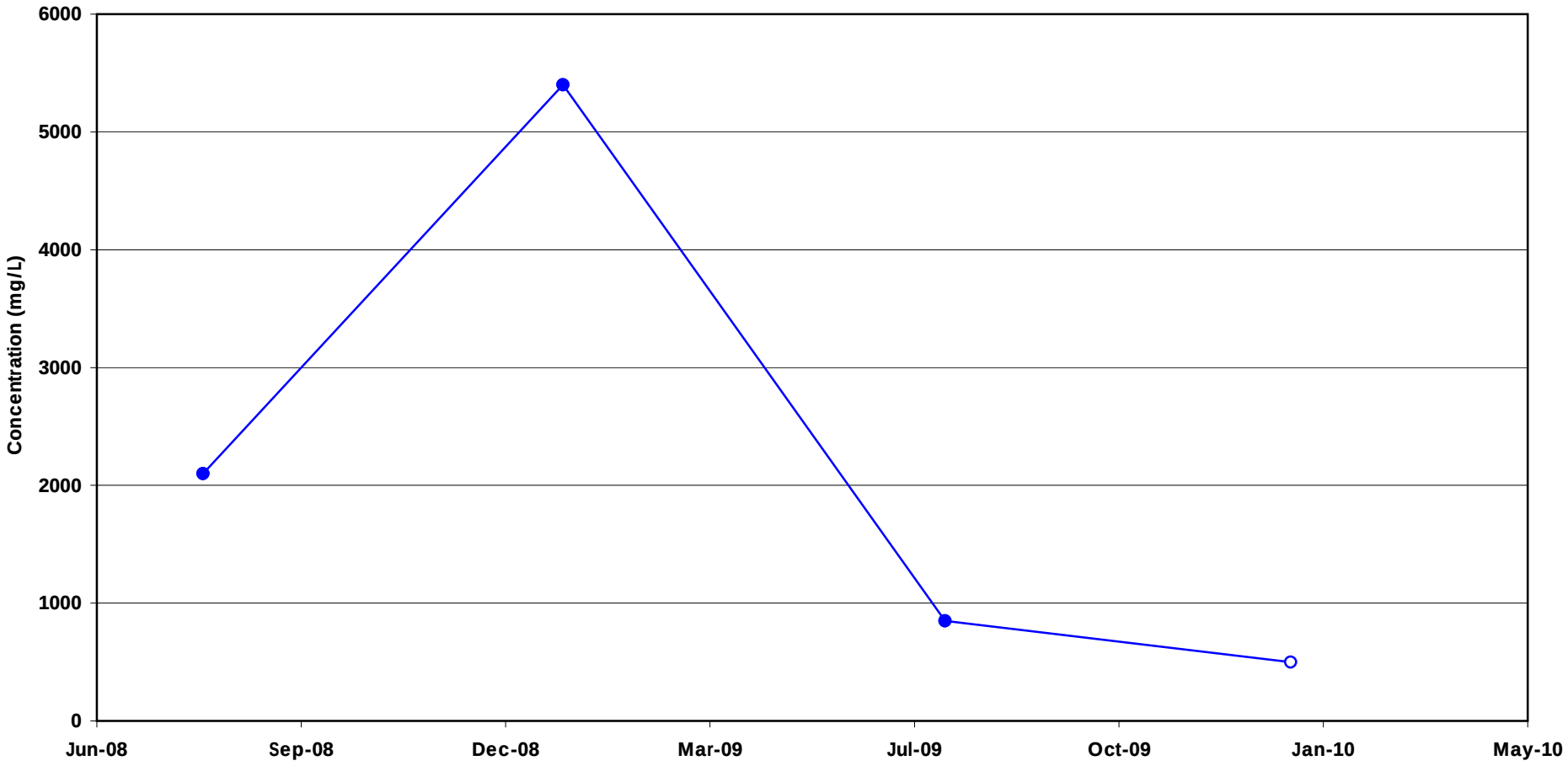
Figure 2

X:\GIS\tdy\FIG13Q08_gw flow.mxd;SC03070916 08;cleder

APPENDIX A

MRP Time Series Plots



C6-C44 Total

Open symbols represent non-detects (plotted at the method detection limit)

Monitor Well AreaD-MW1
Time-Series Graph for TPH
2701 North Harbor Drive
San Diego, California

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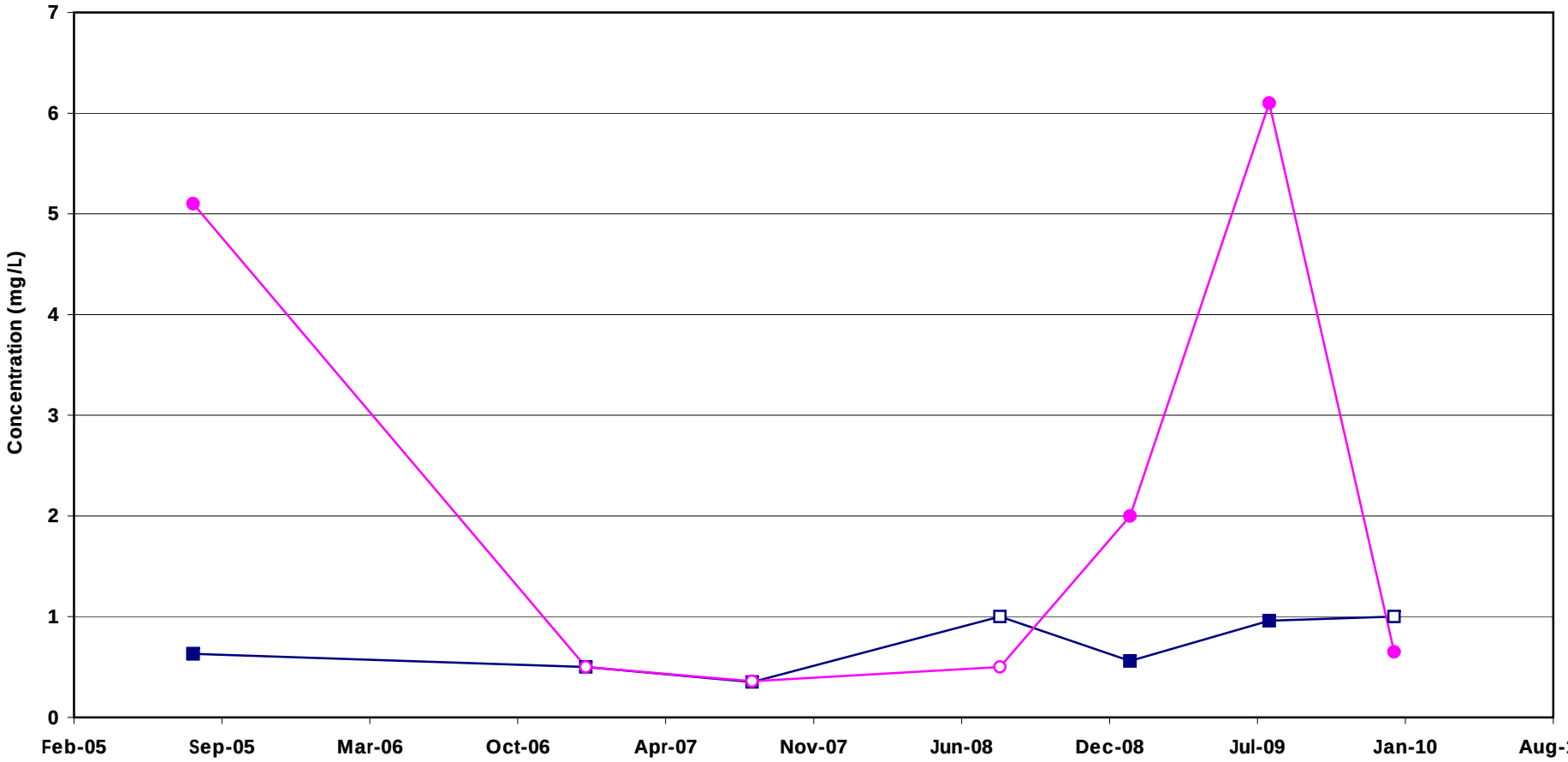
Figure **A-1**

X:\SC\0307 TDY Harbor Drive\Database_011509\Grapher\[TDY_4_23_2010.xls]Plot_VOCs_BLD20-MW3



cis-1,2-Dichloroethene

VINYL CHLORIDE

Open symbols represent non-detects (plotted at the method detection limit)

Monitor Well BLD102-MW4
Time-Series Graph for VOCs
2701 North Harbor Drive
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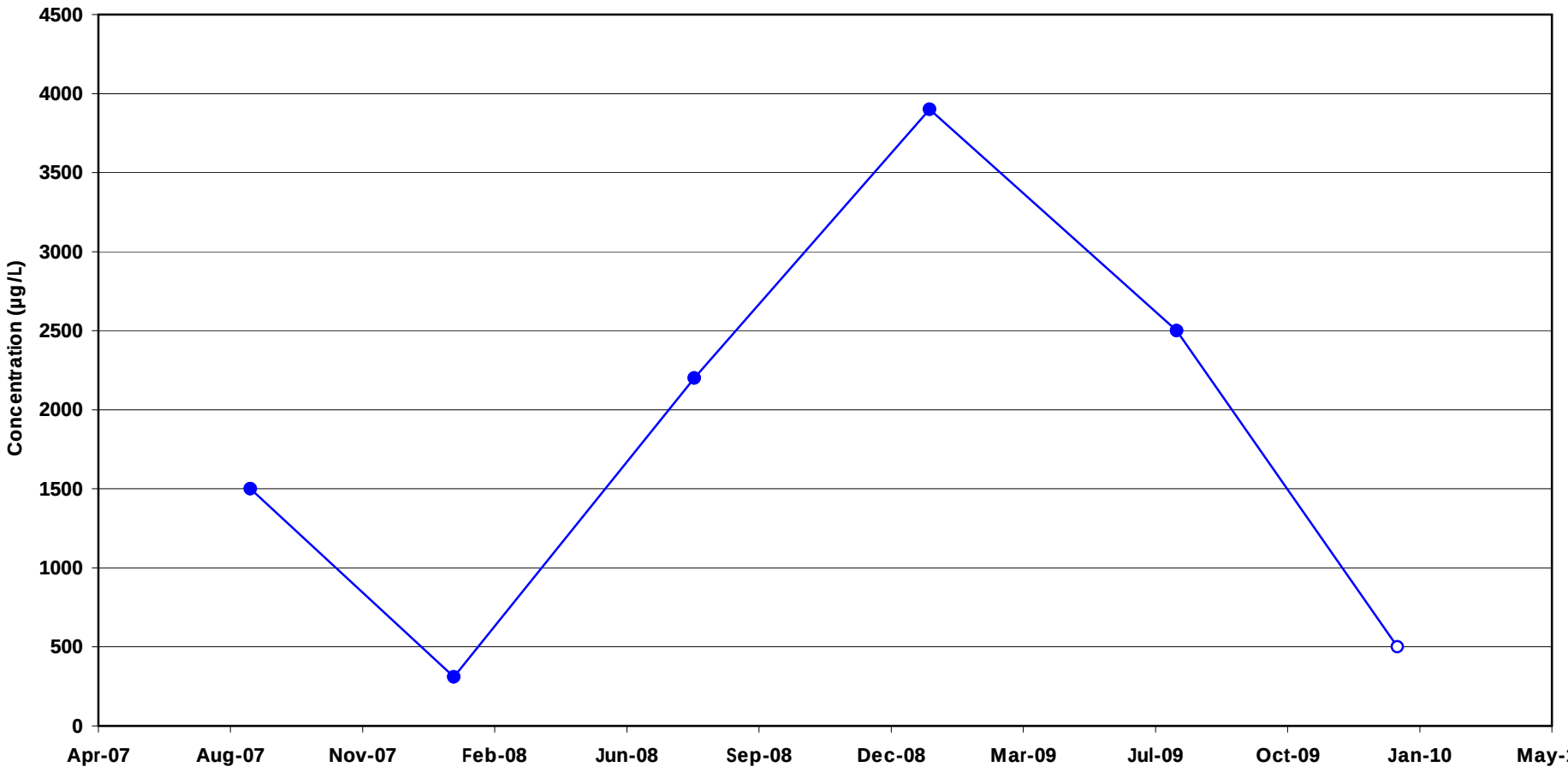
Figure **A-2**

X:\SC0307 TDY Harbor Drive\Database_011509\Grapher\[TDY_4_23_2010.xls]Plot_VOCs_BLD120-MW3



C6-C44 Total

Open symbols represent non-detects (plotted at the method detection limit)

Monitor Well BLD120-MW1
Time-Series Graph for TPH
2701 North Harbor Drive
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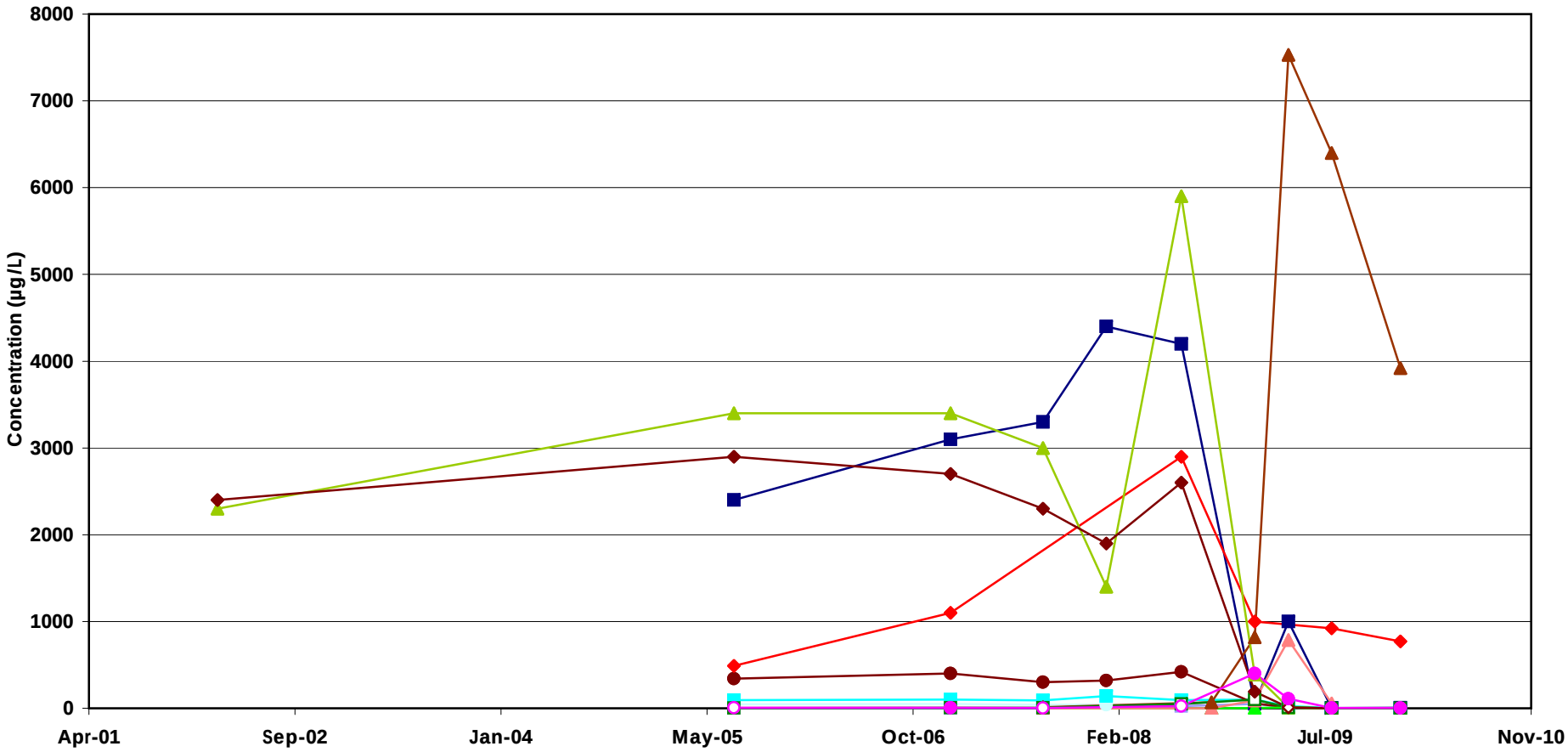
Figure
A- 3

X:\SD\307 TDY Harbor Drive\Database_031509\Grapher\[TDY_4_23_2010.xls]Plot_VOCs_BLD120-MW3



1,1-Dichloroethane (1,1-DCA)
1,2-Dichloroethane (EDC)
trans-1,2-Dichloroethene
cis-1,2-Dichloroethene
1,1-Dichloroethene (1,1-DCE)
1,4-Dioxane
Ethane
Ethene
Methane
Tetrachloroethene (PCE)
1,1,2-Trichloroethane
Trichloroethene (TCE)
Vinyl chloride

Open symbols represent non-detects (plotted at the method detection limit)

Monitor Well BLD120-MW1
Time-Series Graph for VOCs
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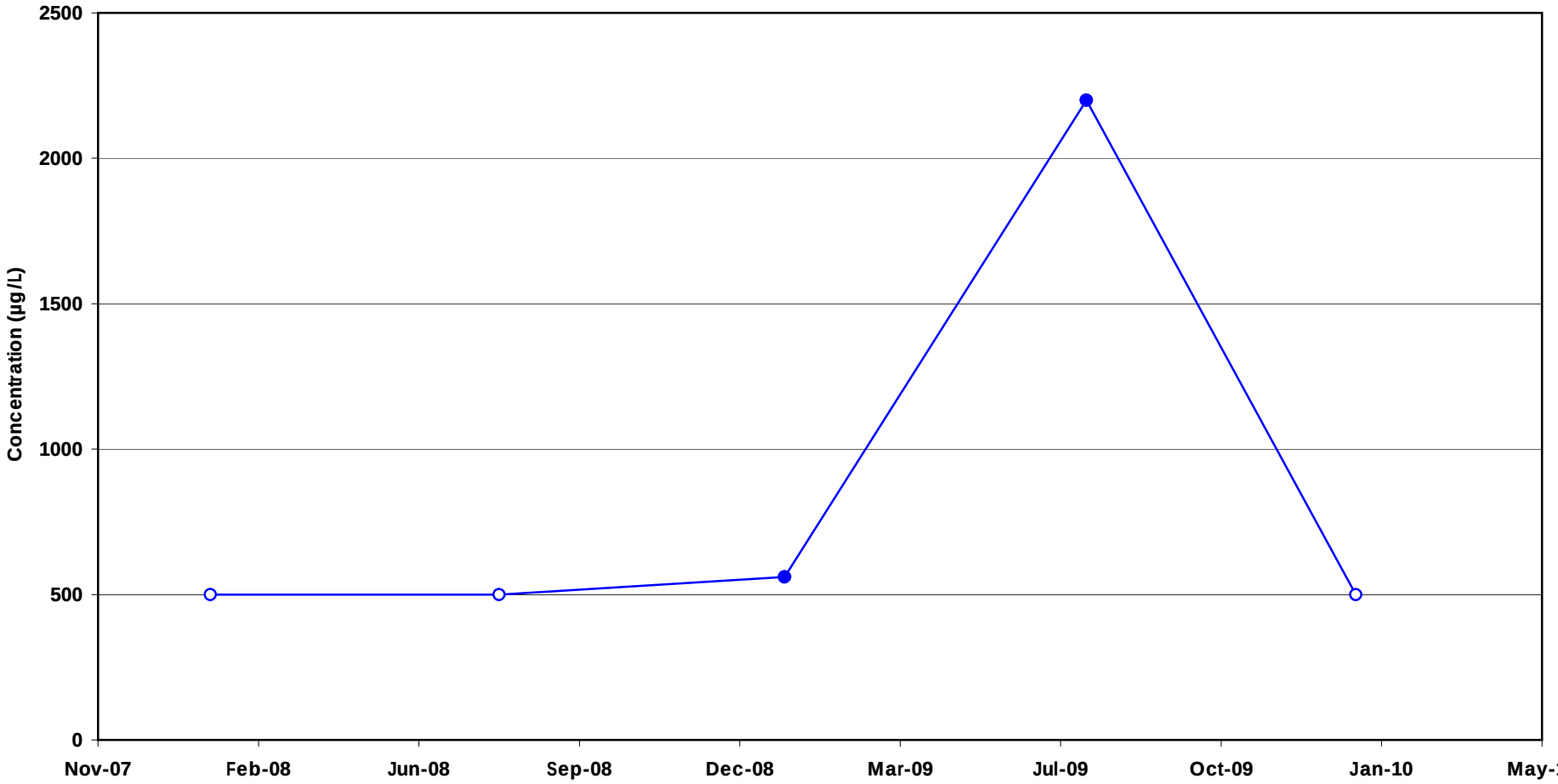
Figure
A- 4

X:\SC0307 TDY Harbor Drive\Database_031509\Grapher\[TDY_4_23_2010.xls]Plot_VOCs_BLD120-MW3



C6-C44 Total

Open symbols represent non-detects (plotted at the method detection limit)

Monitor Well BLD120-MW2
Time-Series Graph for TPH
2701 North Harbor Drive
San Diego, California

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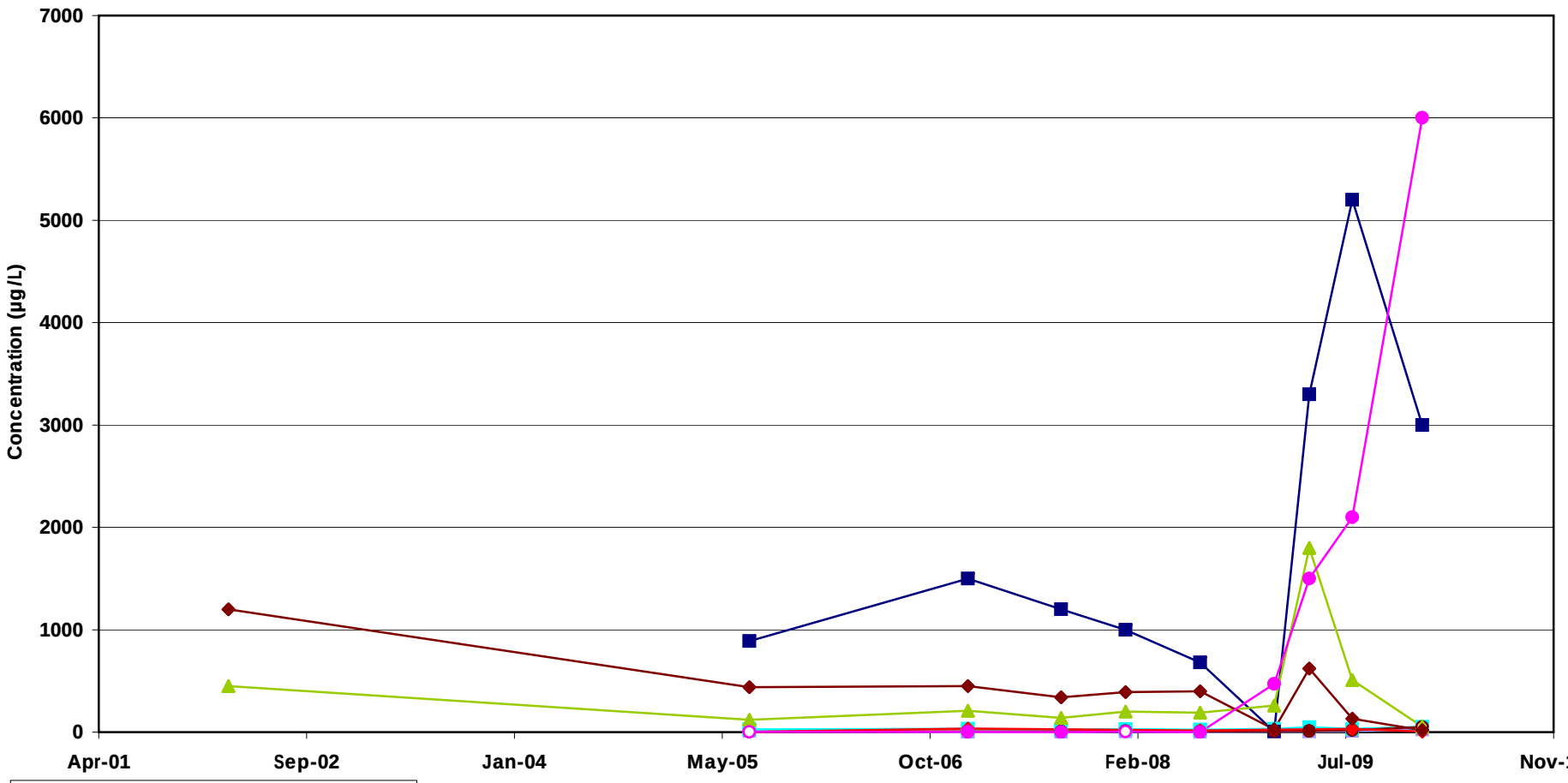
Figure

A- 5

X:\SC\0807 TDY Harbor Drive\ Database_011509\ Grapher\ [TDY_4_23_2010.xls]Plot_VOCs_BLD120-MW3



Open symbols represent non-detects (plotted at the method detection limit)

Monitor Well BLD120-MW2 Time-Series Graph for VOCs
2701 North Harbor Drive
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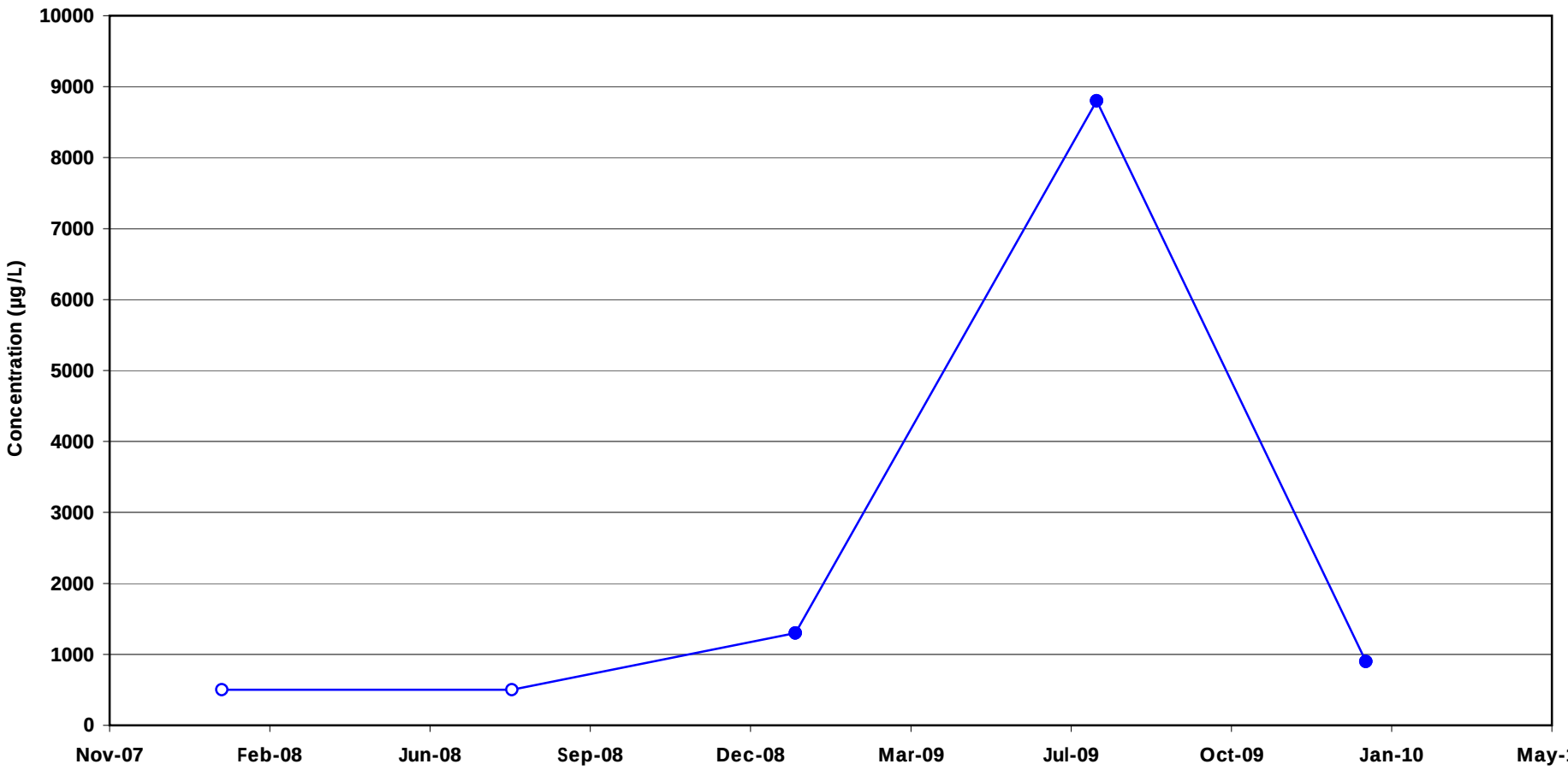
Figure
A- 6

X:\SC\0307 TDY Harbor Drive\Database_011509\Grapher\[TDY_4_23_2010.xls]Plot_VOCs_BLD120-MW3



C6-C44 Total

Open symbols represent non-detects (plotted at the method detection limit)

Monitor Well BLD120-MW3
Time-Series Graph for TPH
2701 North Harbor Drive
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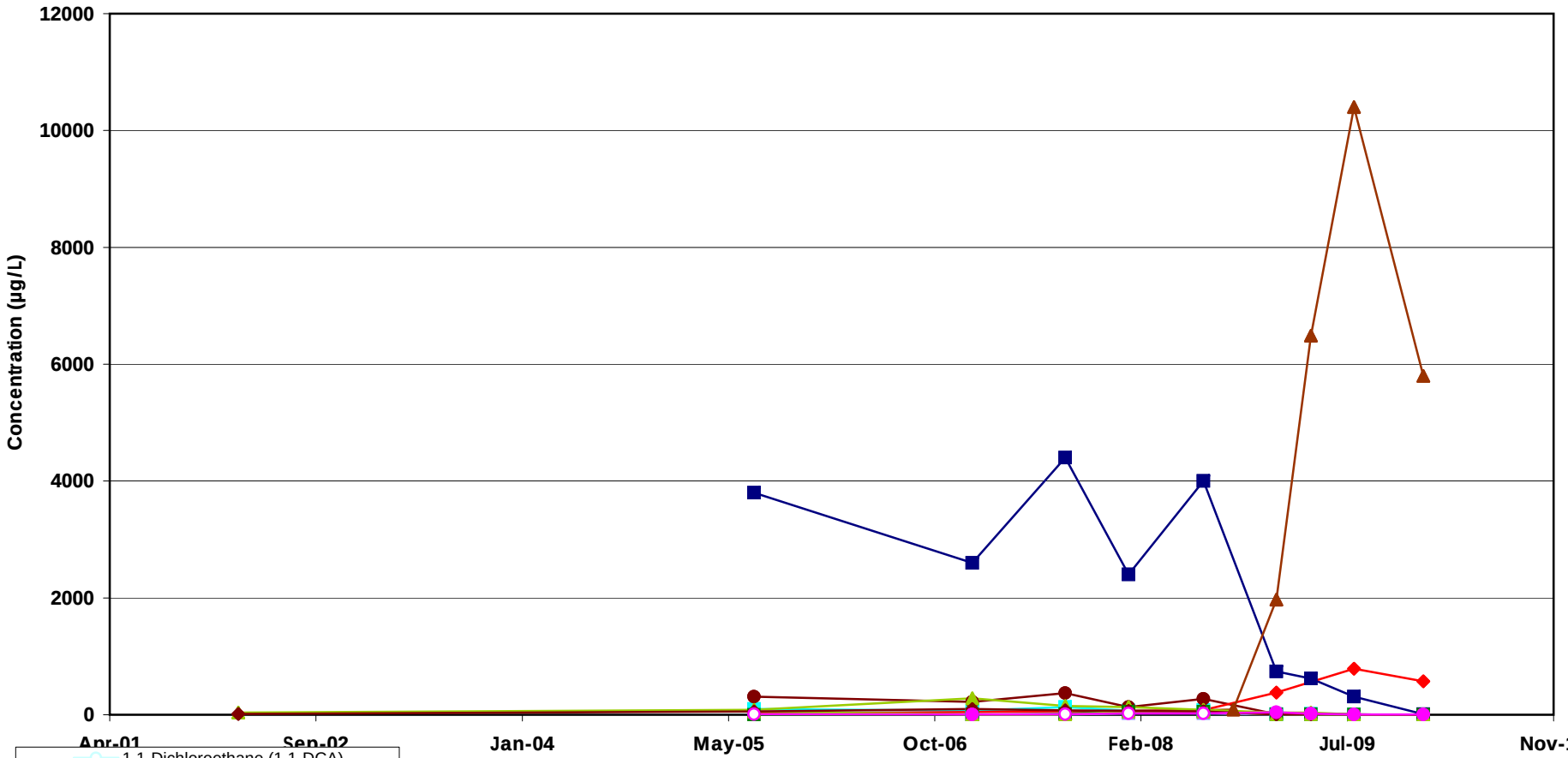
Figure

A- 7

X:\SC\307 TDY Harbor Drive\Database_011509\Grapher\[TDY_4_23_2010.xls]Plot_VOCs_BLD120-MW3



Open symbols represent non-detects (plotted at the method detection limit)

Monitor Well BLD120-MW3
Time-Series Graph for VOCs
2701 North Harbor Drive
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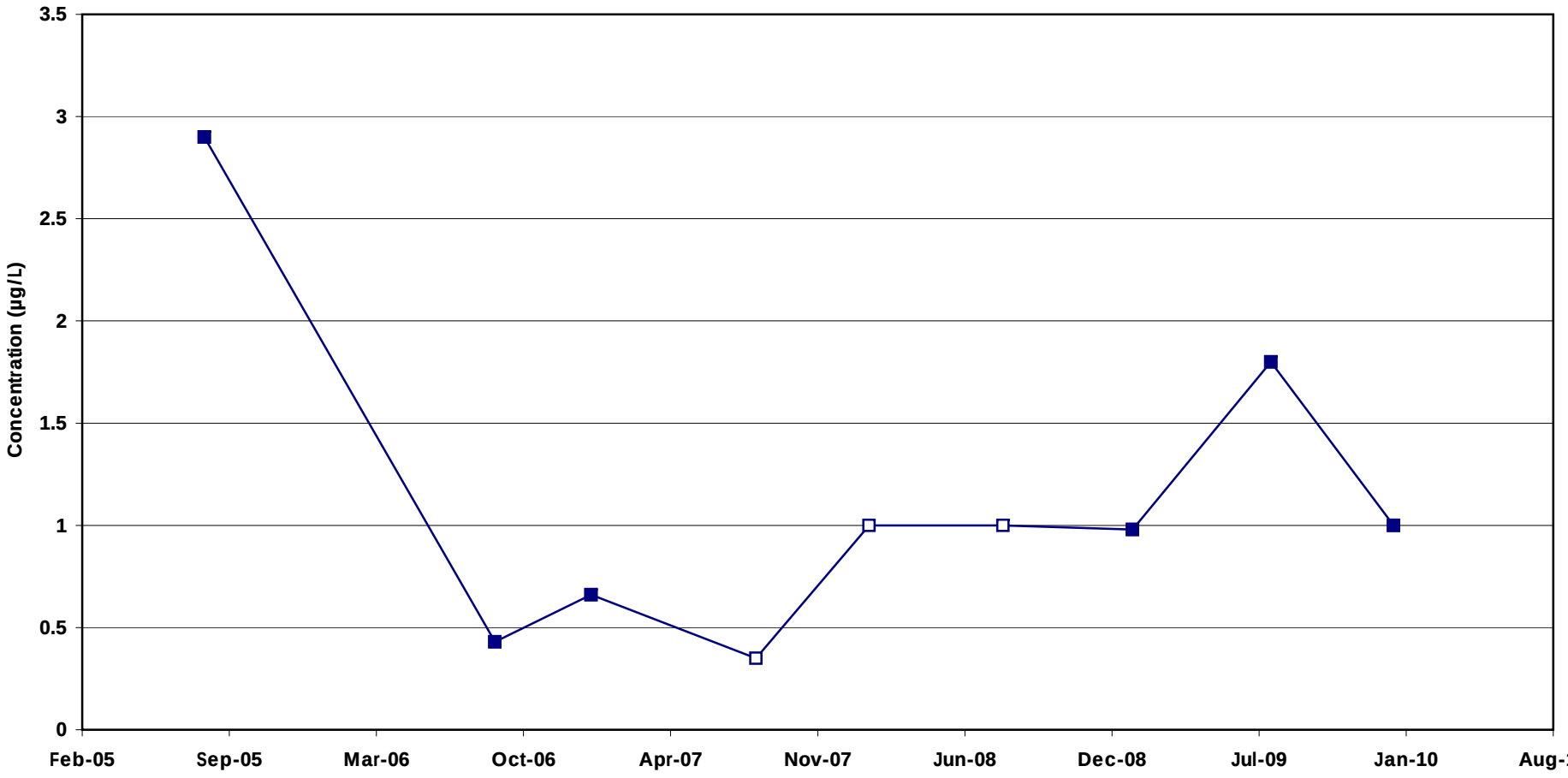
Figure

A- 8

X:\SC0307 TDY Harbor Drive\Database_011509\Grapher\[TDY_4_23_2010.xls]Plot_VOCs_BLD120-MW3



cis-1,2-Dichloroethene

Open symbols represent non-detects (plotted at the method detection limit)

Monitor Well BLD120-MW4
Time-Series Graph for VOCs
2701 North Harbor Drive
San Diego, California

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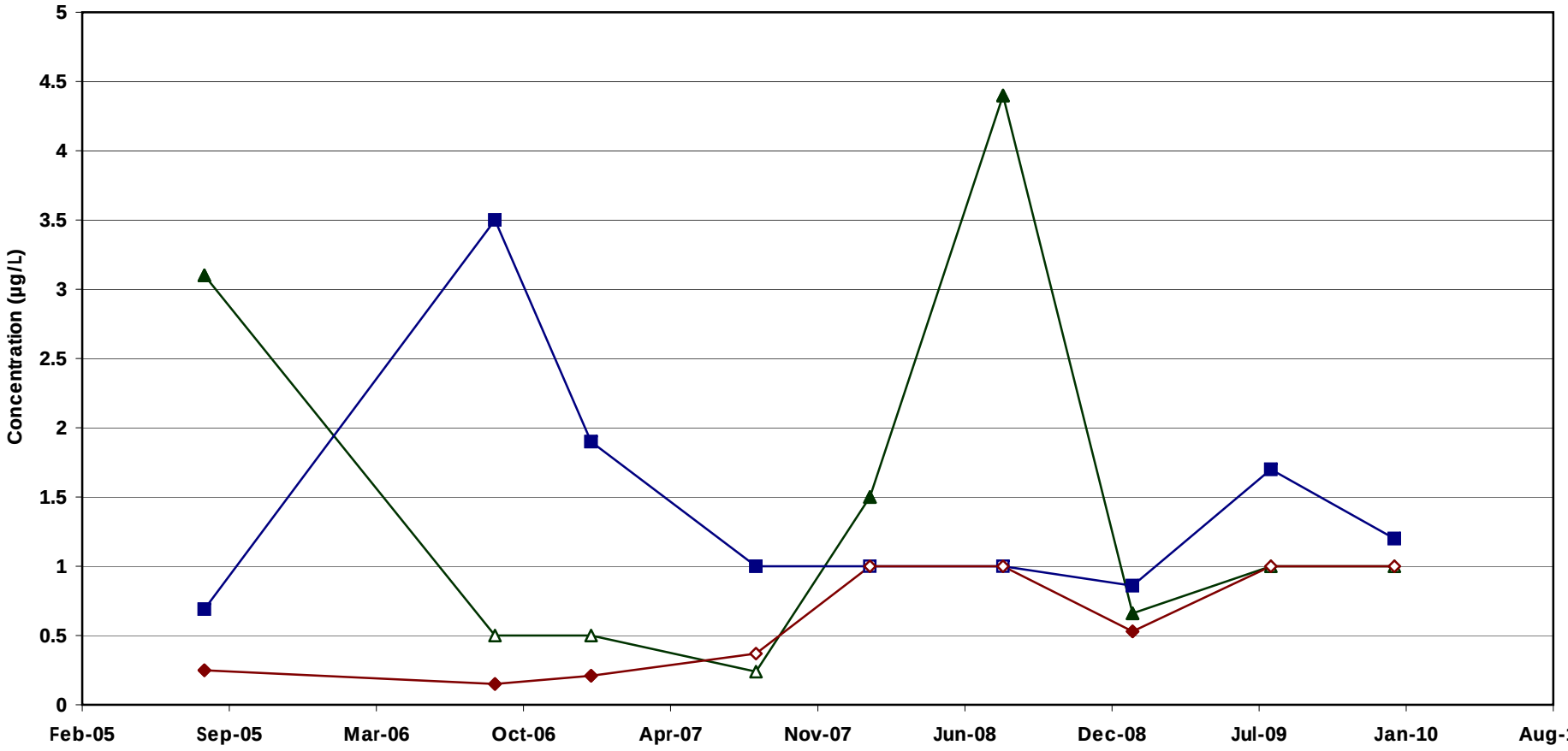
Figure **A-9**

X:\SC0307 TDY Harbor Drive\Database_011509\Grapher\[TDY_4_23_2010.xls]Plot_VOCs_BLD120-MW3



Open symbols represent non-detects (plotted at the method detection limit)

Monitor Well BLD120-MW5
Time-Series Graph for VOCs
2701 North Harbor Drive
San Diego, California

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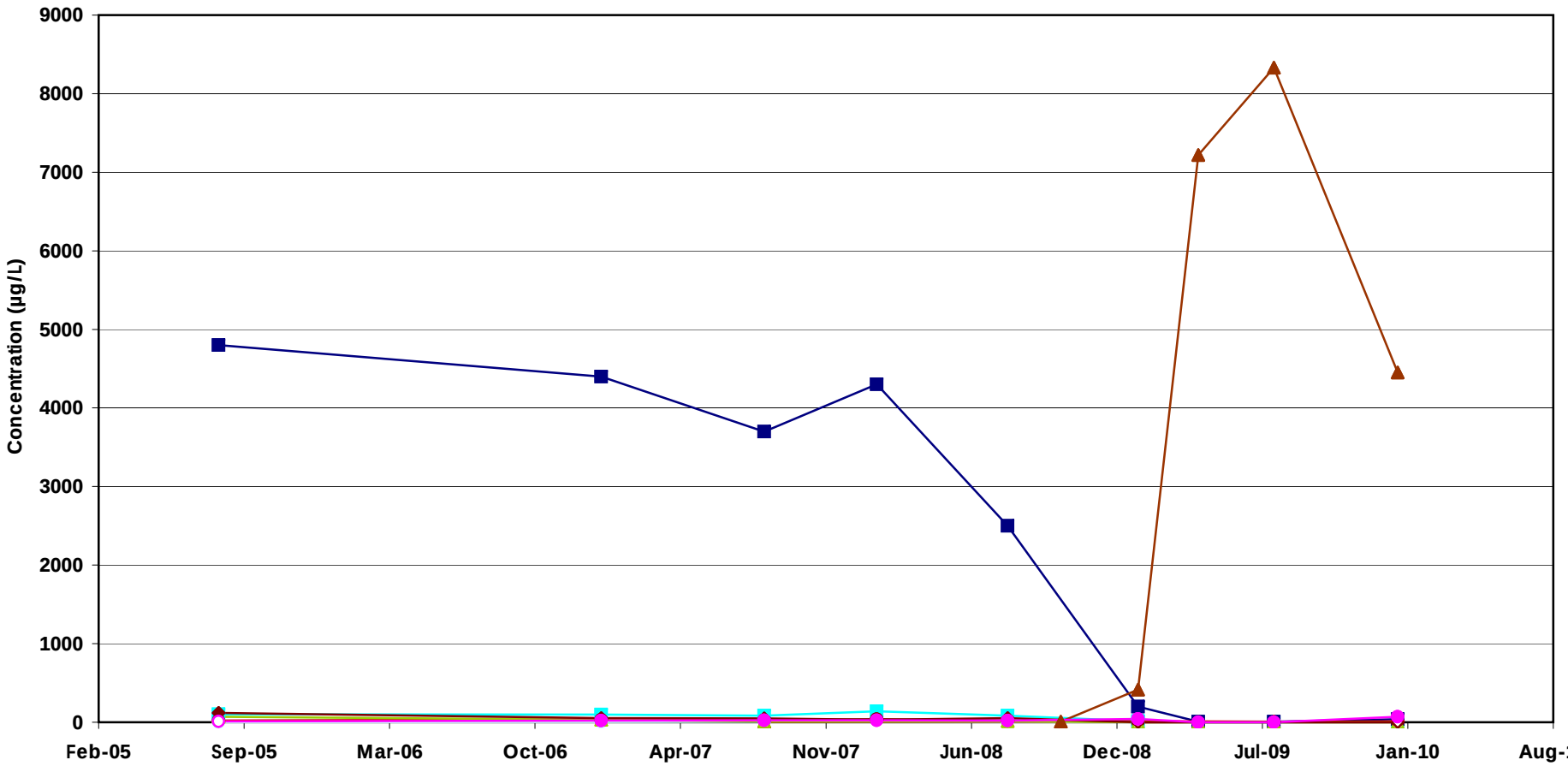
Figure

A- 10

X:\SC0307 TDY Harbor Drive\Database_011509\Grapher\[TDY_4_23_2010.xls]Plot_VOCs_BLD120-MW3



Open symbols represent non-detects (plotted at the method detection limit)

Monitor Well BLD120-MW6
Time-Series Graph for VOCs
2701 North Harbor Drive
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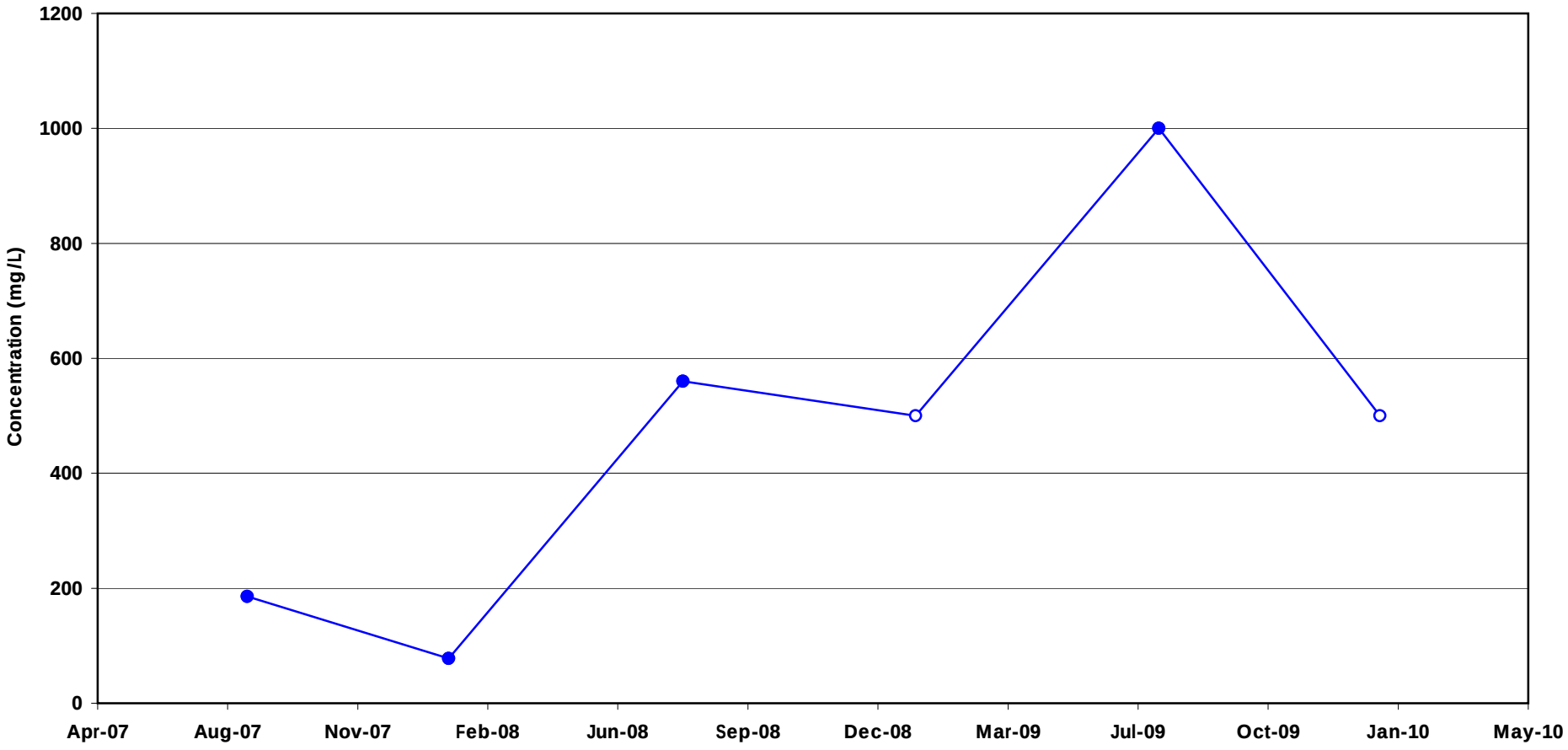
Figure

A- 11

X:\SC0307 TDY Harbor Drive\ Database_011509\ Grapher\ [TDY_4_23_2010.xls]Plot_VOCs_BLD120-MW3



C6-C44 Total

Open symbols represent non-detects (plotted at the method detection limit)

Monitor Well BLD120-MW6
Time-Series Graph for TPH
2701 North Harbor Drive
San Diego, California

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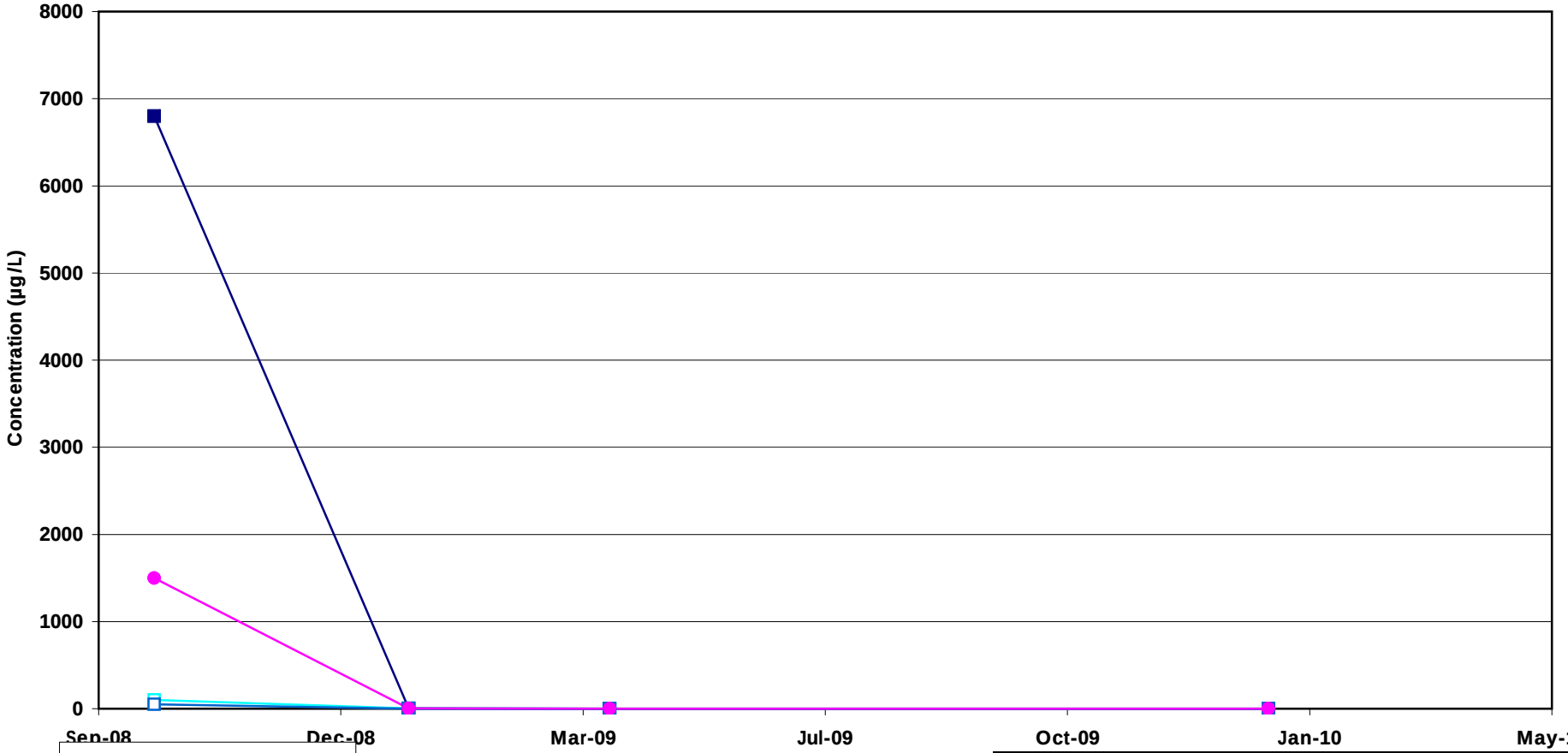
Figure **A-12**

X:\SD\307 TDY Harbor Drive\Database_011509\Grapher\[TDY_4_23_2010.xls]Plot_VOCs_BLD120-MW3



Open symbols represent non-detects (plotted at the method detection limit)

Monitor Well BLD120-MW7
Time-Series Graph for VOCs
2701 North Harbor Drive
San Diego, California

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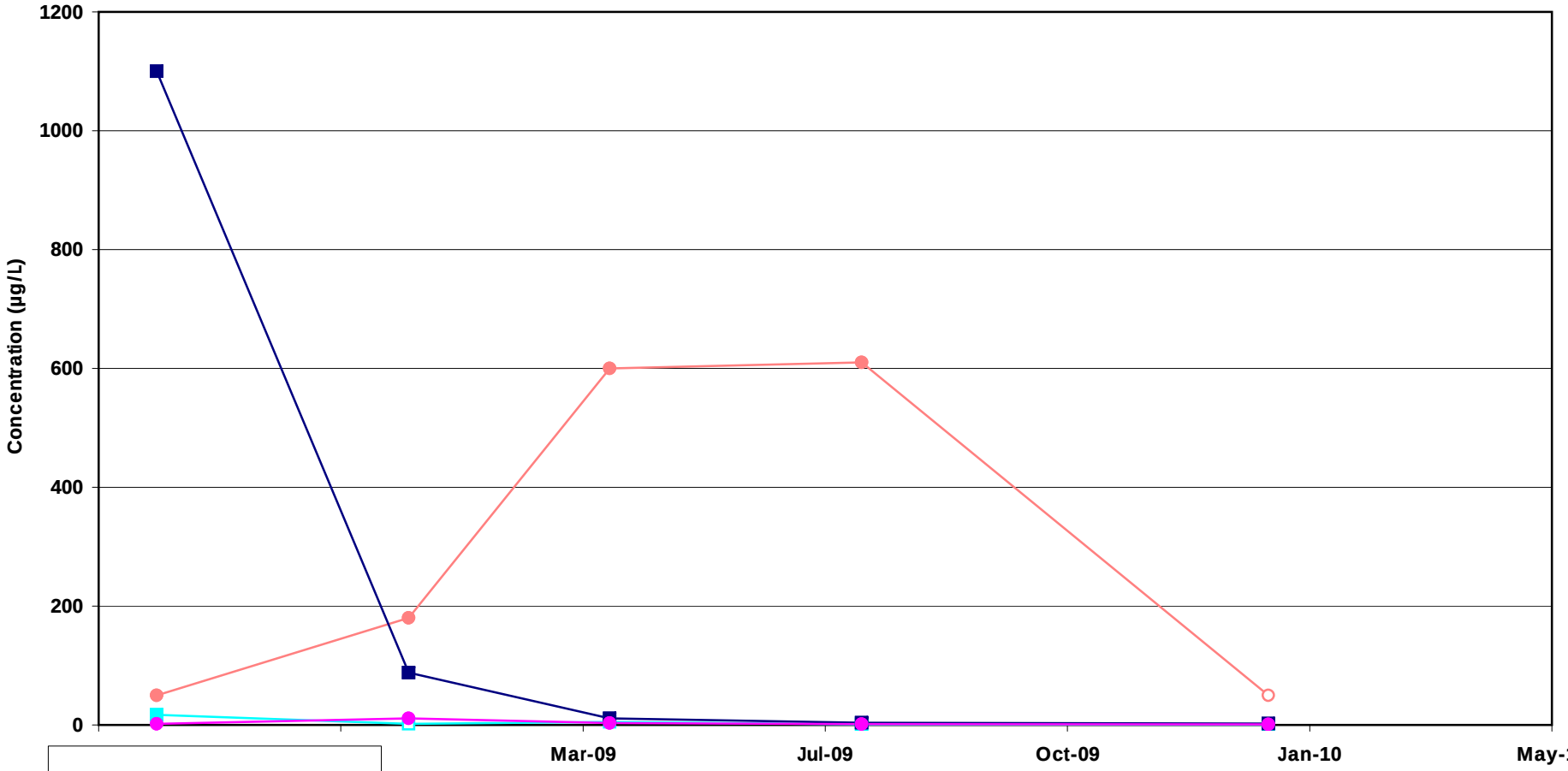
Figure **A-13**

X:\SD\307 TDY Harbor Drive\Database_011509\Grapher\[TDY_4_23_2010.xls]Plot_VOCs_BLD120-MW3



Open symbols represent non-detects (plotted at the method detection limit)

Monitor Well BLD120-MW8
Time-Series Graph for VOCs
2701 North Harbor Drive
San Diego, California

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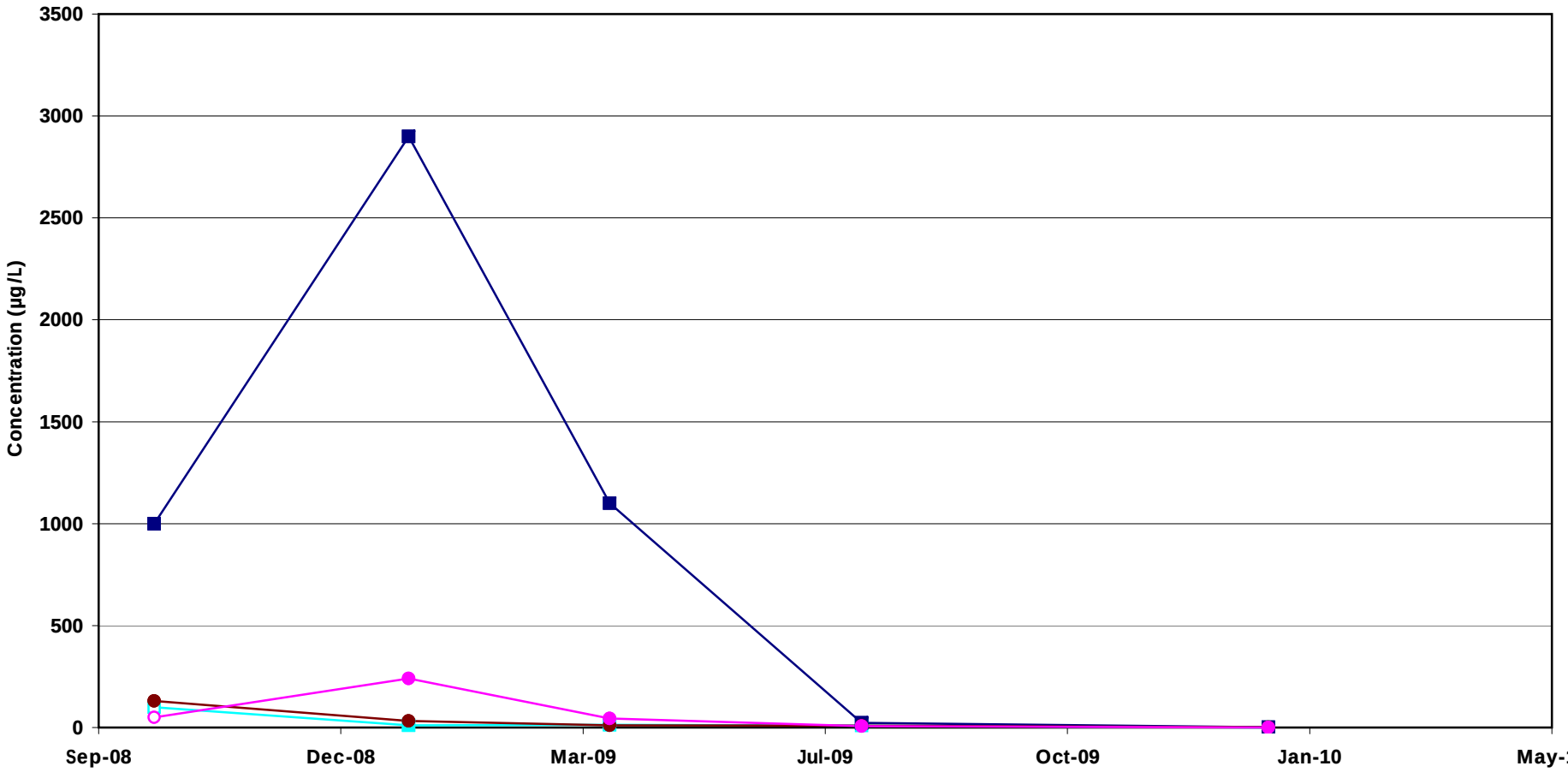
Figure

A-14

X:\SC0307\TDY Harbor Drive\Data base_011509\Grapher\[TDY_4_23_2010.xls]Plot_VOCs_BLD120-MW3



Open symbols represent non-detects (plotted at the method detection limit)

Monitor Well BLD120-MW9
Time-Series Graph for VOCs
2701 North Harbor Drive
San Diego, California

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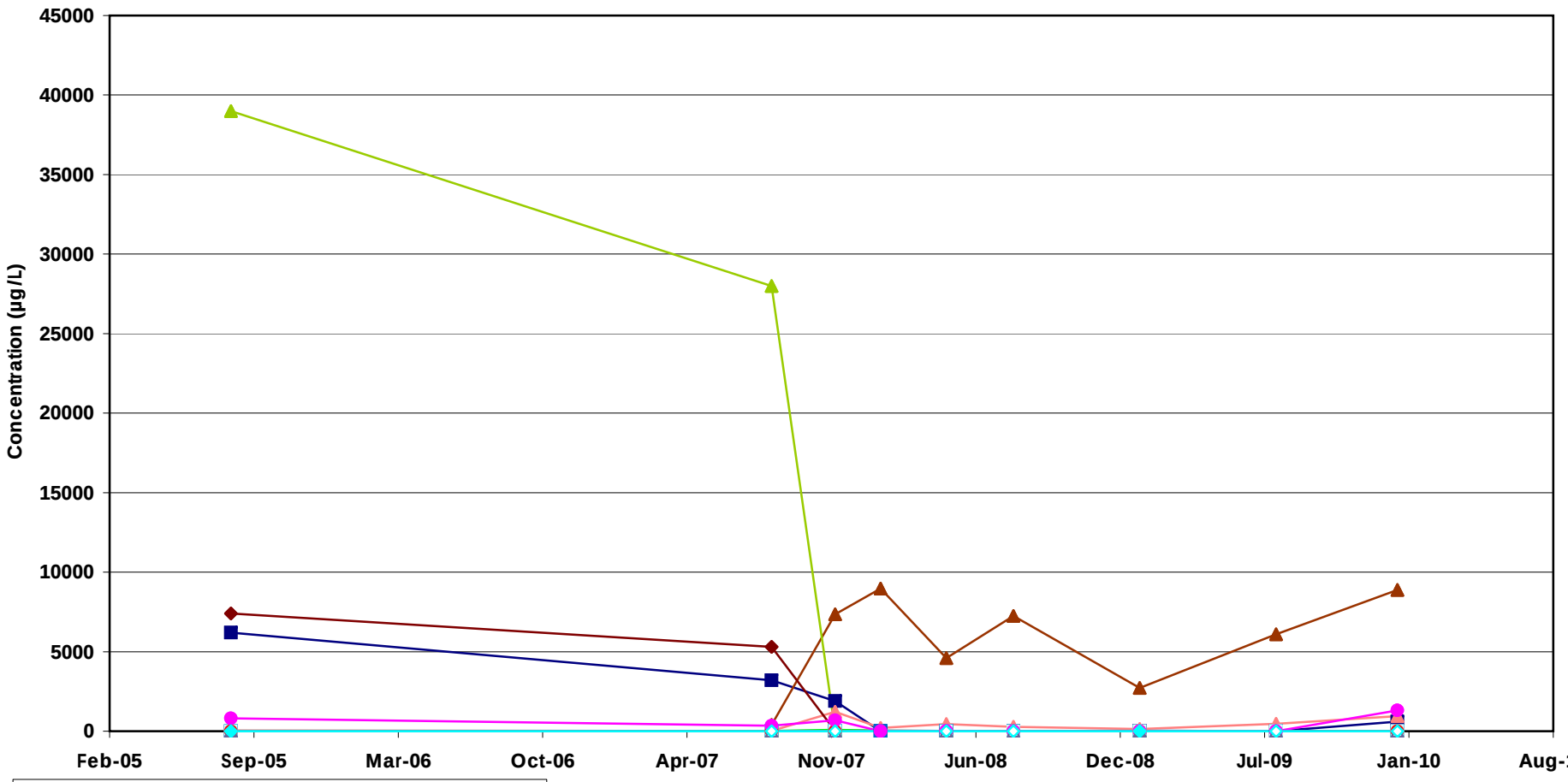
Figure **A-15**

X:\SC0307 TDY Harbor Drive\Database_011509\Grapher\[TDY_4_23_2010.xls]Plot_VOCs_BLD120-MW3



Open symbols represent non-detects (plotted at the method detection limit)

Monitor Well BLD131-MW2 Time-Series Graph for VOCs
2701 North Harbor Drive
San Diego, California

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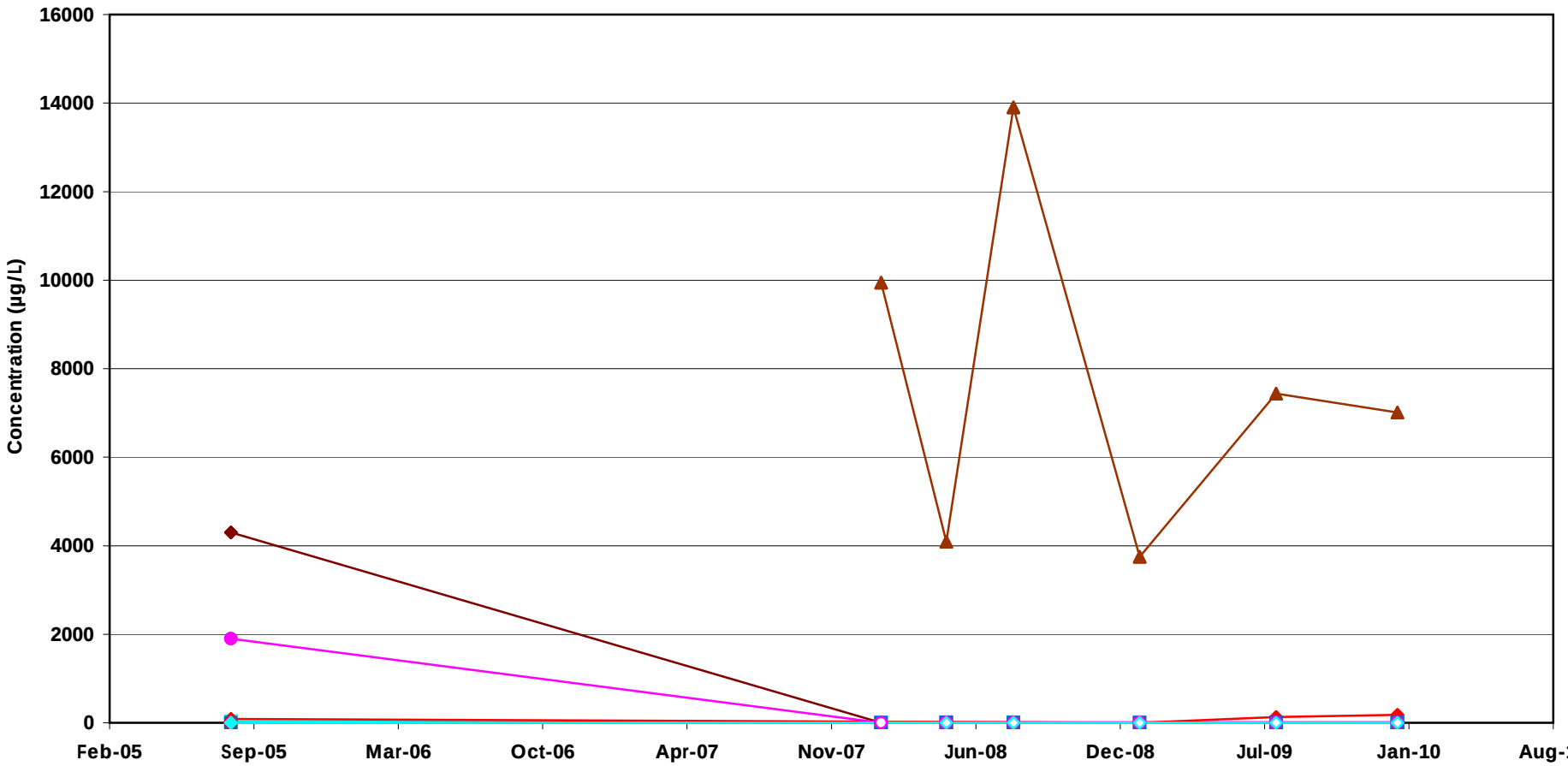
Figure
A-16

X:\SC0307 TDY Harbor Drive\Database_011509\Grapher\[TDY_4_23_2010.xls]Plot_VOCs_BLD120-MW3



Open symbols represent non-detects (plotted at the method detection limit)

Monitor Well BLD131-MW3
Time-Series Graph for VOCs
2701 North Harbor Drive
San Diego, California

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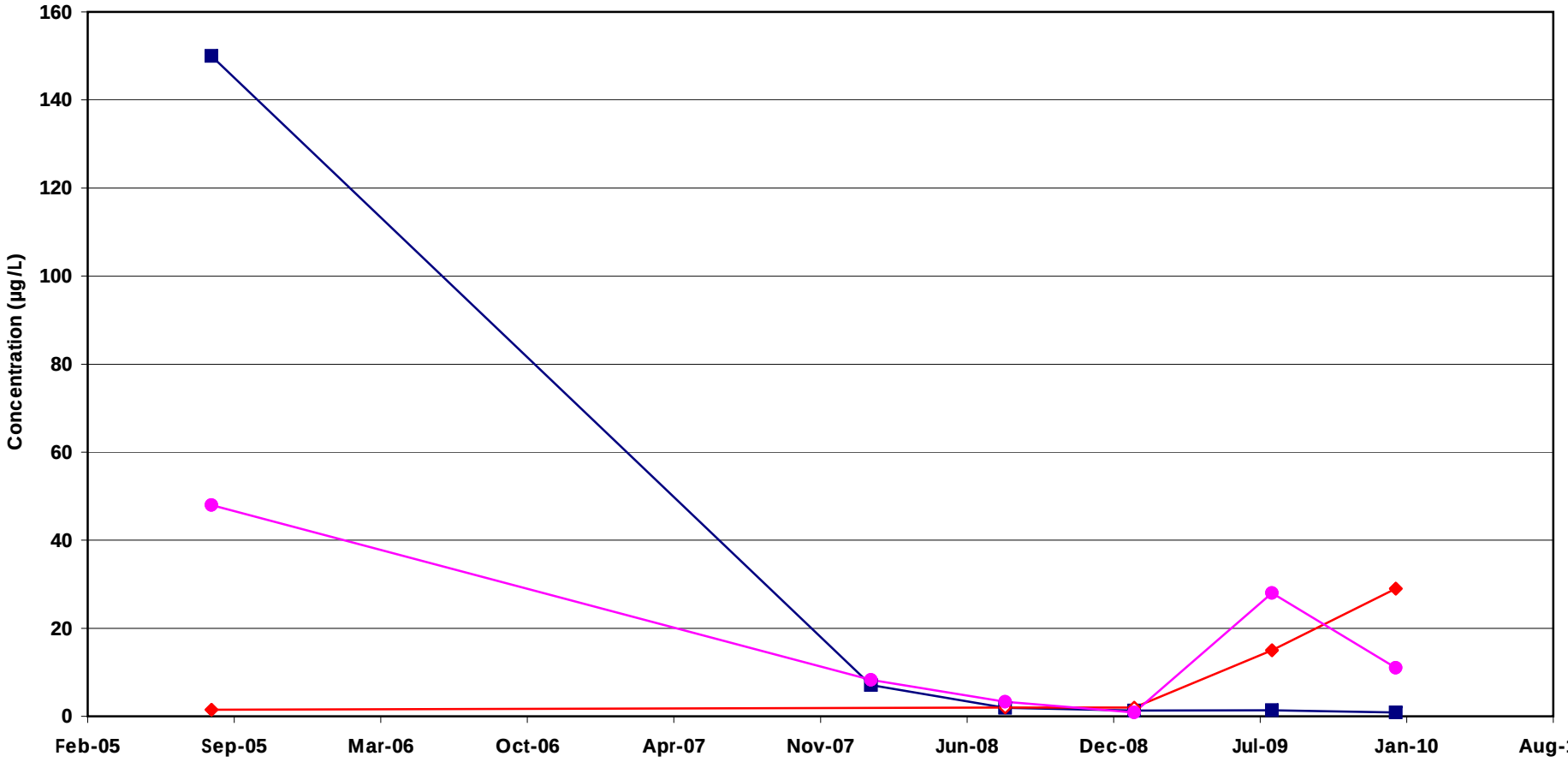
Figure **A-17**

X:\SC0307\TDY Harbor Drive\Database_011509\Grapher\[TDY_4_23_2010.xls]Plot_VOCs_BLD120-MW3



cis-1,2-Dichloroethene

1,4-Dioxane

Vinyl Chloride

Open symbols represent non-detects (plotted at the method detection limit)

Monitor Well BLD131-MW4
Time-Series Graph for VOCs
2701 North Harbor Drive
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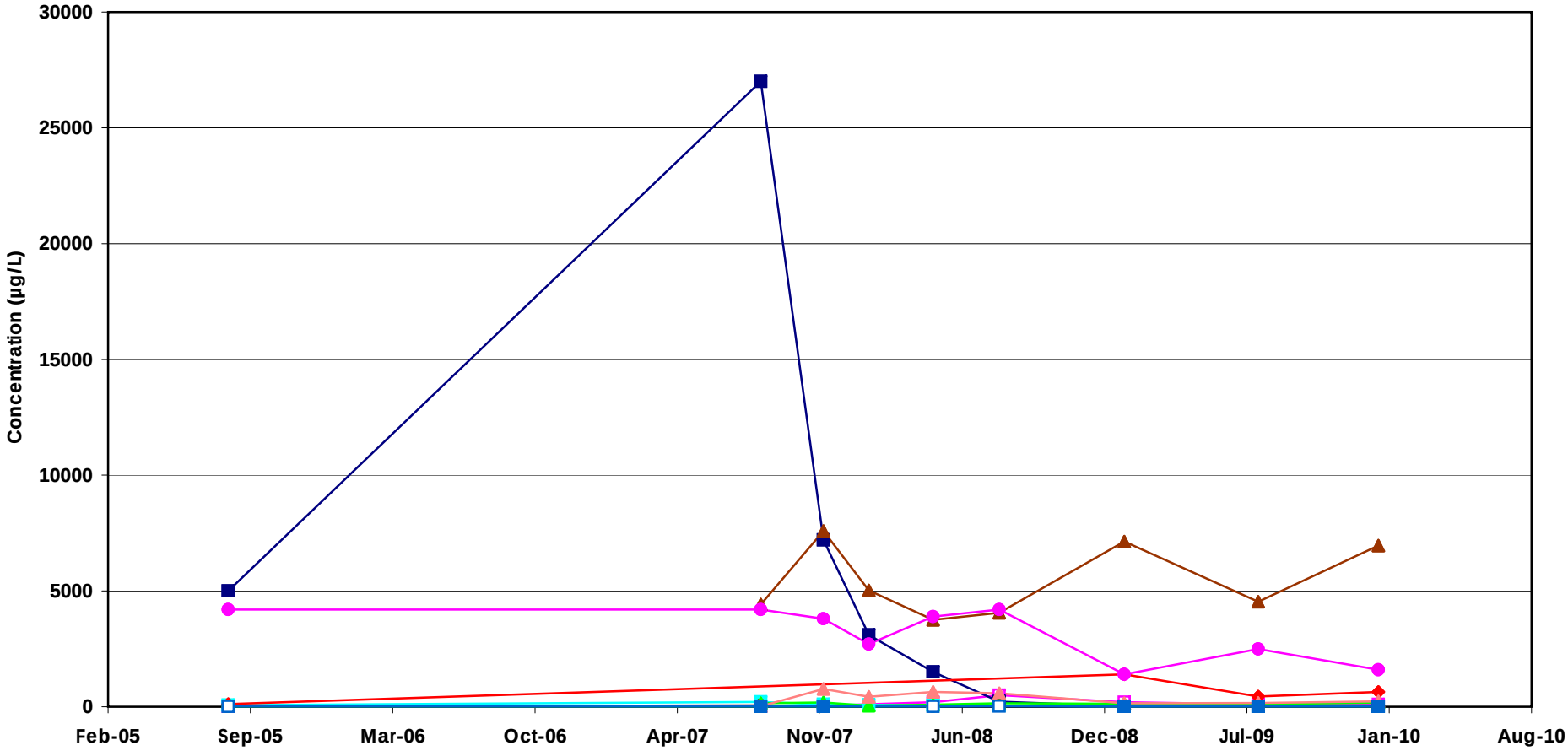
Figure

A-18

X:\SC0307 TDY Harbor Drive\Database_011509\Grapher\[TDY_4_23_2010.xls]Plot_VOCs_BLD120-MW3



Carbon disulfide
trans-1,2-Dichloroethene
cis-1,2-Dichloroethene
1,1-Dichloroethene (1,1-DCE)
1,4-Dioxane
Ethane
Ethene
Methane
Methyl-Tert-Butyl Ether (MTBE)
Benzene
Vinyl Chloride

Open symbols represent non-detects (plotted at the method detection limit)

Monitor Well BLD131-MW5
Time-Series Graph for VOCs
2701 North Harbor Drive
San Diego, California

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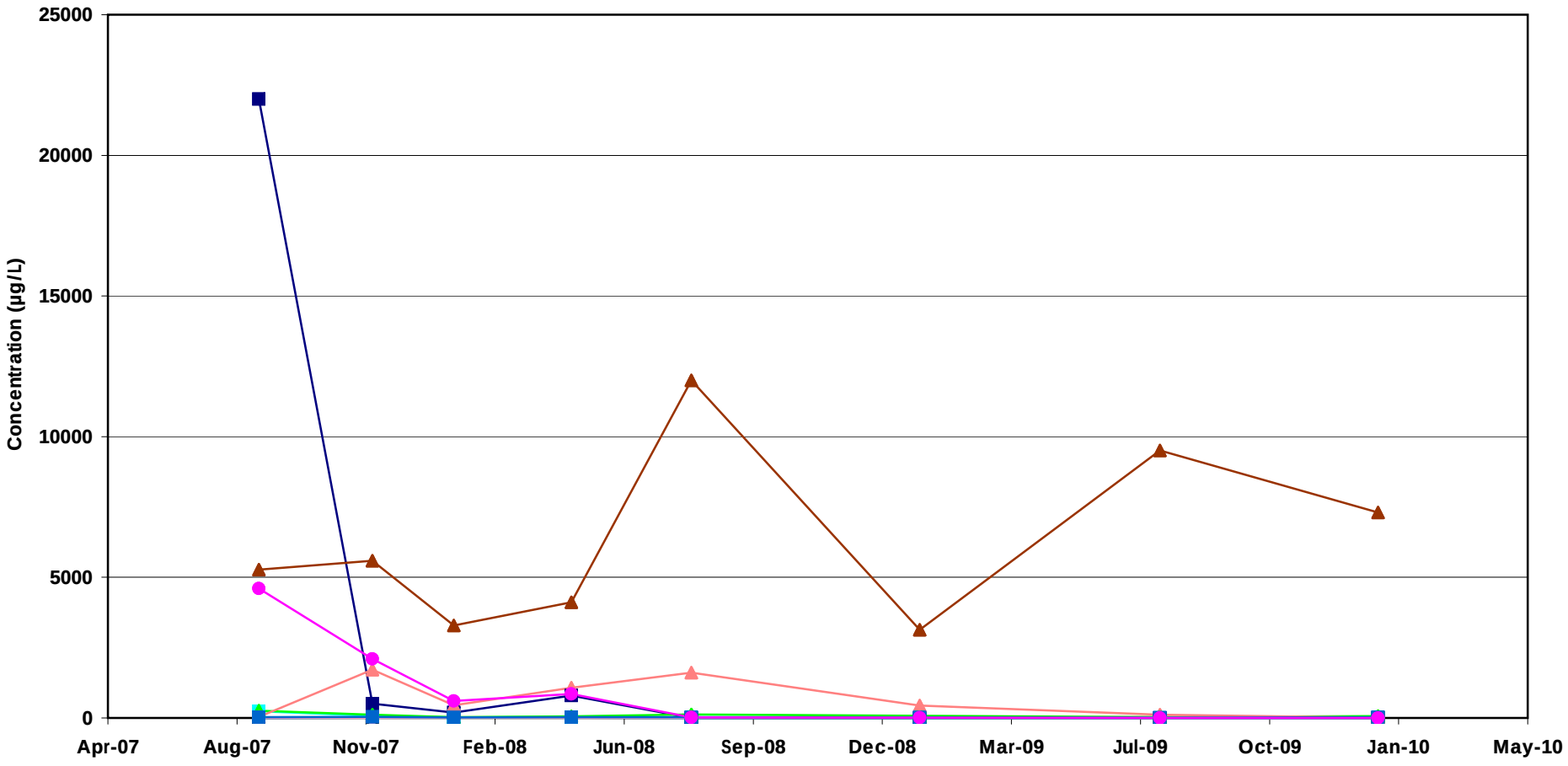
San Diego | April 2010

Figure **A-19**

X:\SC0307 TDY Harbor Drive\Database_011509\Grapher\[TDY_4_23_2010.xls]Plot_VOCs_BLD120-MW3



Open symbols represent non-detects (plotted at the method detection limit)

Monitor Well BLD131-MW6
Time-Series Graph for VOCs
2701 North Harbor Drive
San Diego, California

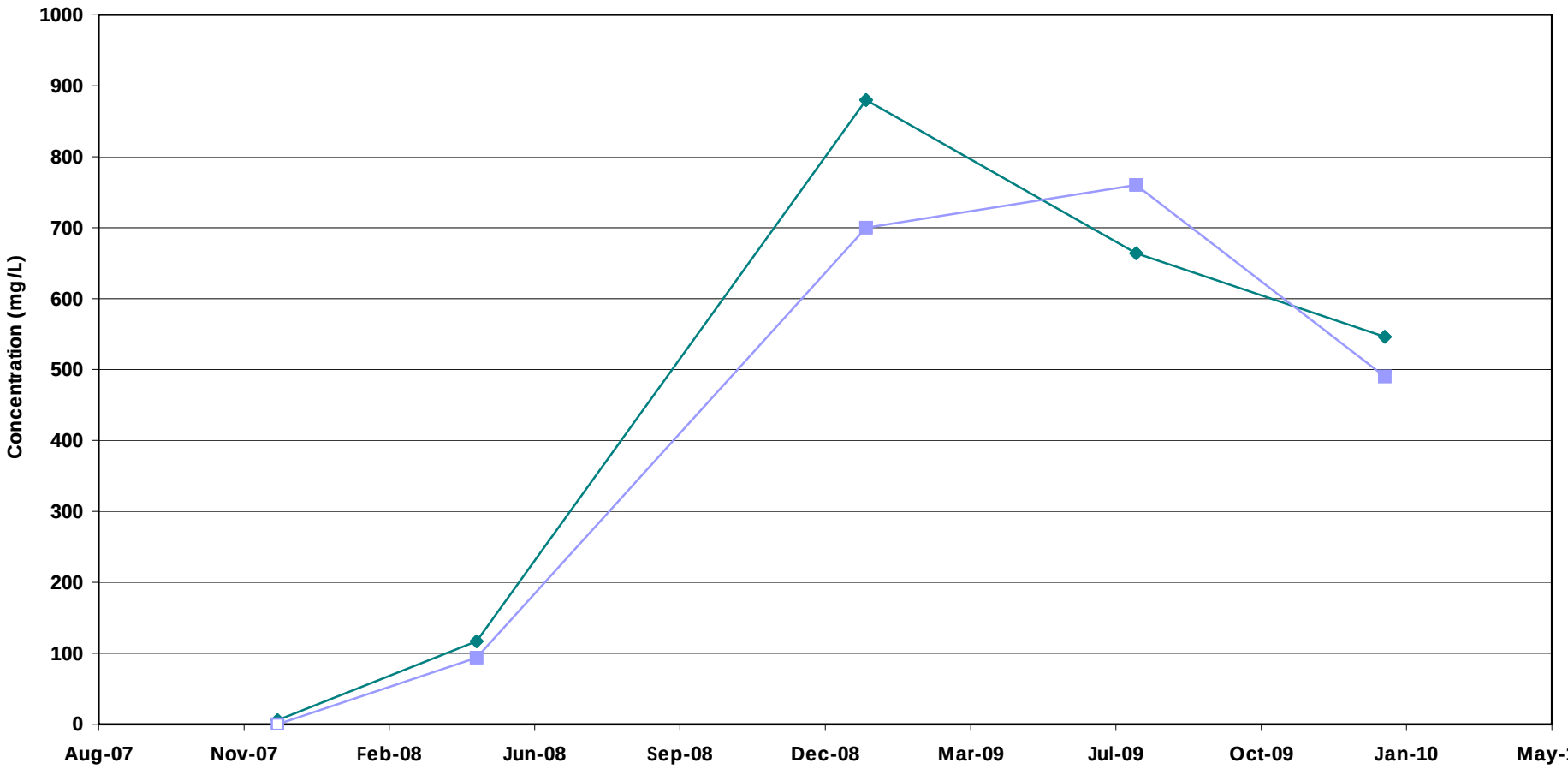
Geosyntec consultants

San Diego	April 2010

Figure

A-20

X:\SC\0307 TDY Harbor Drive\Database_011509\Grapher\[TDY_4_23_2010.xls]Plot_VOCs_BLD120-MW3



Chromium

Chromium, Hexavalent

Open symbols represent non-detects (plotted at the method detection limit)

Monitor Well BLD158-MW1
Time-Series Graph for Metals
2701 North Harbor Drive
San Diego, California

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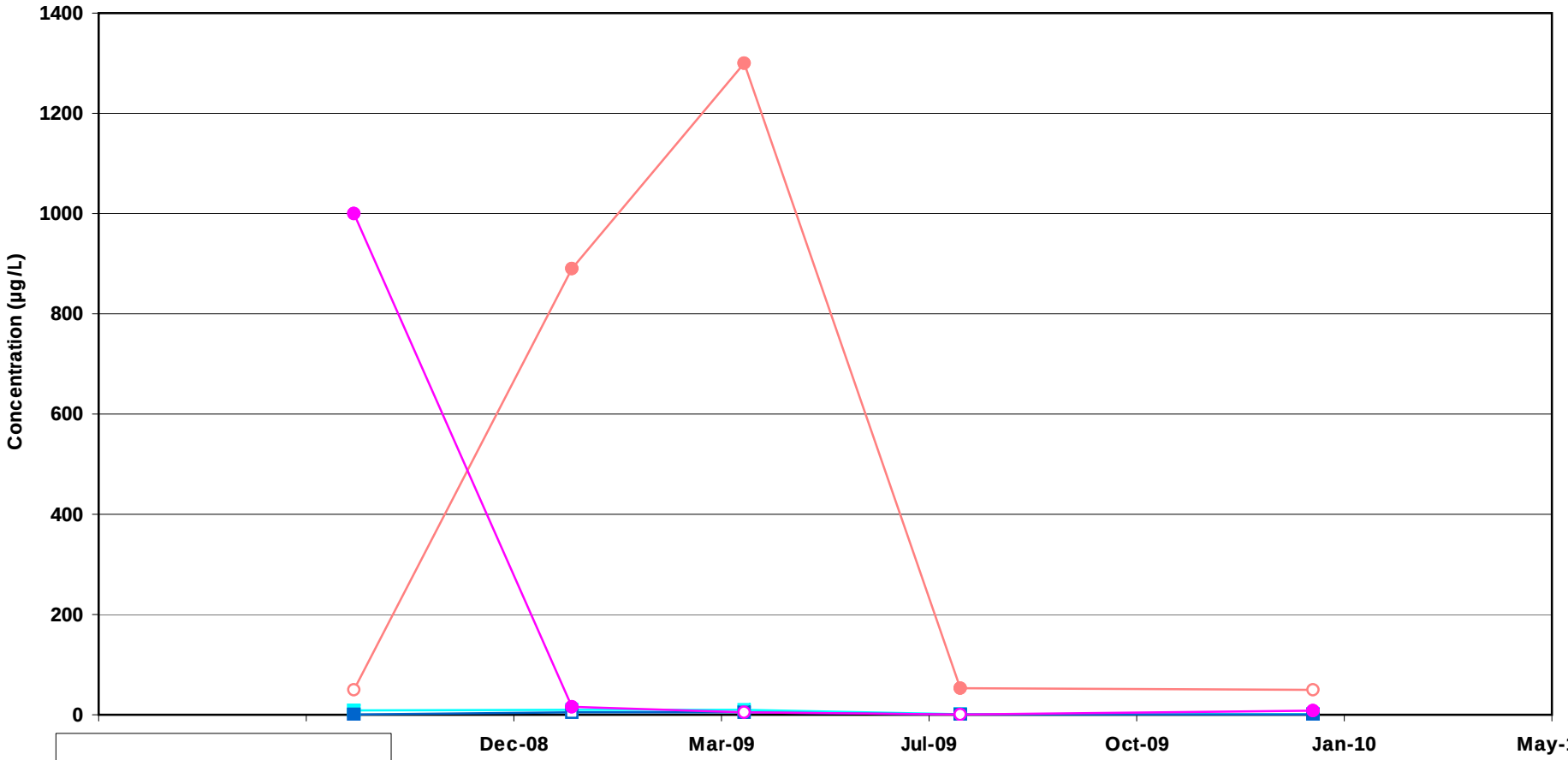
San Diego | April 2010

Figure **A-21**

X:\SC0307 TDY Harbor Drive\Database_031509\Grapher\[TDY_4_23_2010.xls]Plot_VOCs_BLD120-MW3



Open symbols represent non-detects (plotted at the method detection limit)

Monitor Well BLD180-MW2
Time-Series Graph for VOCs
2701 North Harbor Drive
San Diego, California

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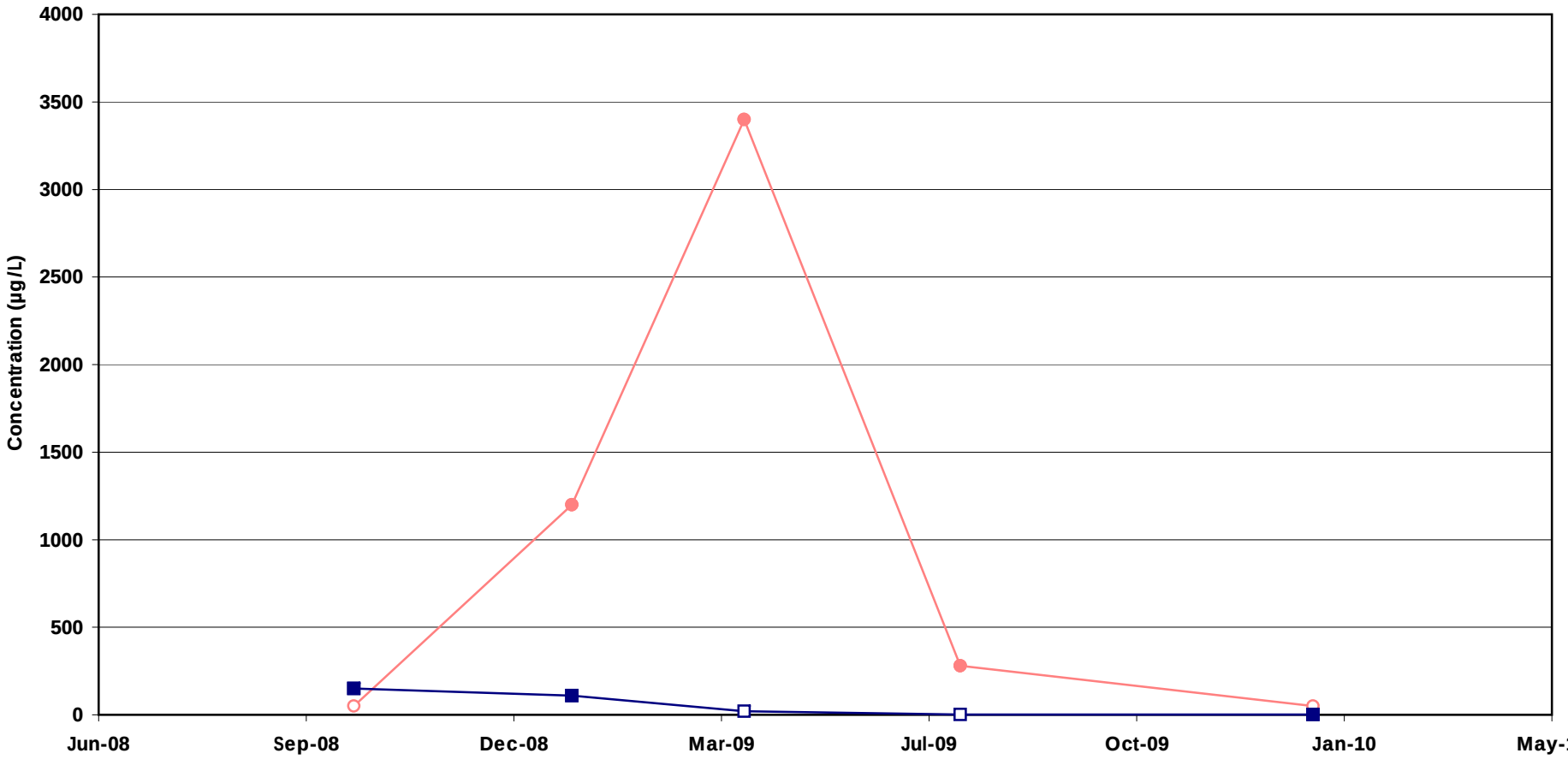
San Diego | April 2010

Figure
A-22

X:\SC0307 TDY Harbor Drive\Database_011509\Grapher\[TDY_4_23_2010.xls]Plot_VOCs_BLD20-MW3



ACETONE

cis-1,2-Dichloroethene

Open symbols represent non-detects (plotted at the method detection limit)

Monitor Well FMY-MW1
Time-Series Graph for VOCs
2701 North Harbor Drive
San Diego, California

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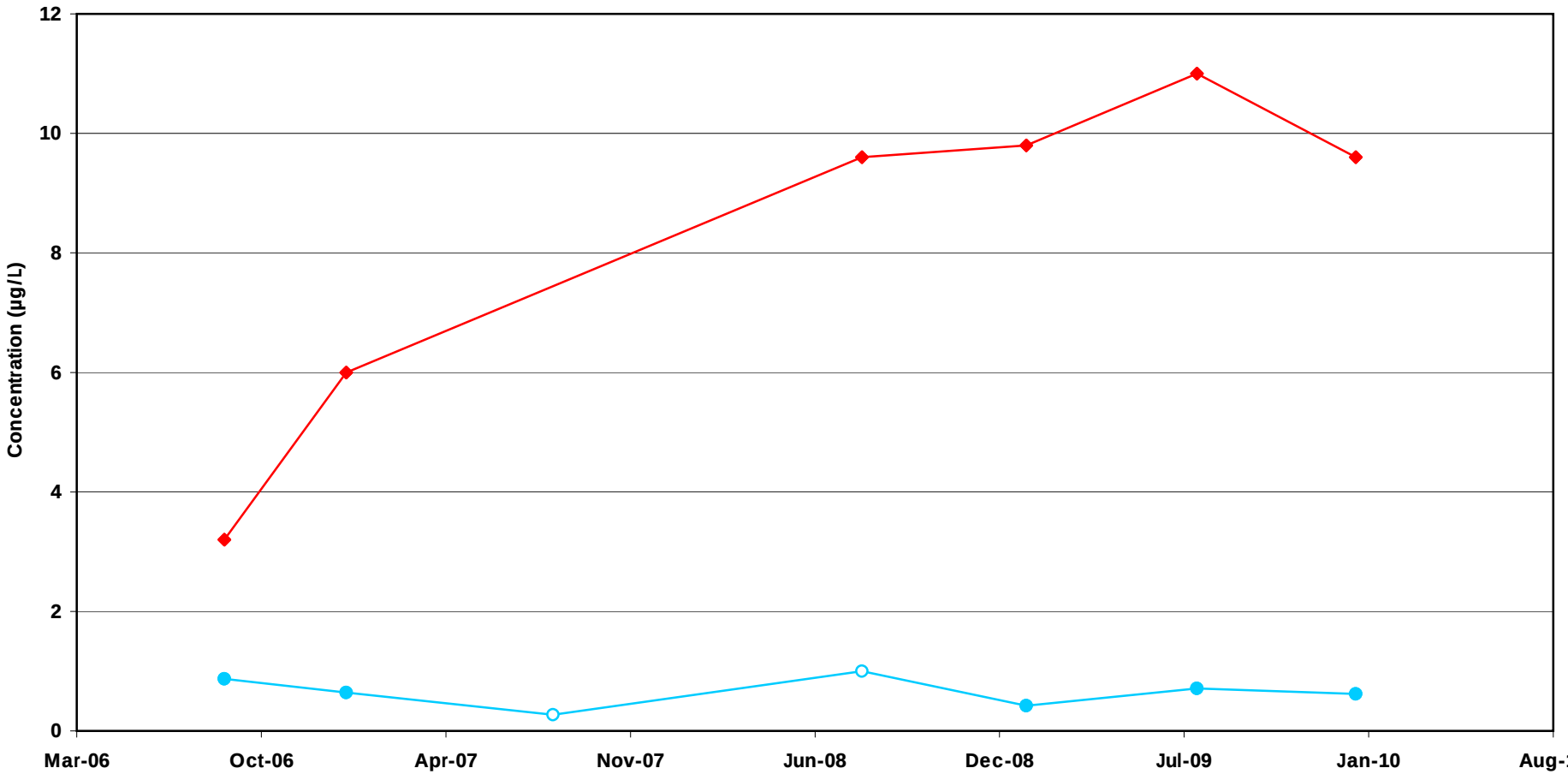
San Diego	March 2009

Figure

A-23

X:\SCO307 TDY Harbor Drive\Database_011509\Grapher\[TDY_4_23_2010.xls]Plot_VOCs_BLD120-MW3



1,1-Dichloroethane (1,1-DCA)

1,4-Dioxane

Open symbols represent non-detects (plotted at the method detection limit)

Monitor Well MWCL-1
Time-Series Graph for VOCs
2701 North Harbor Drive
San Diego, California

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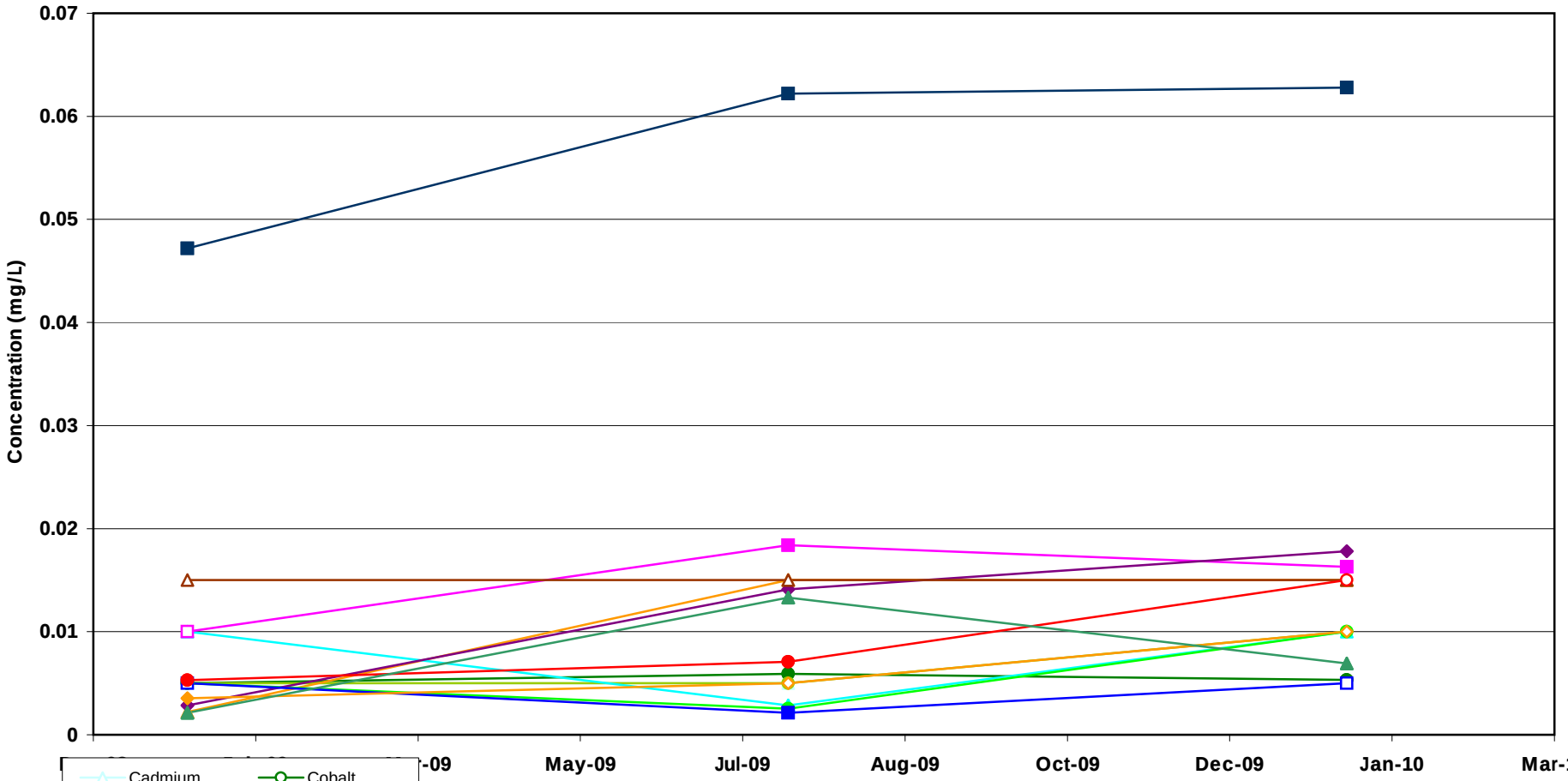
San Diego | March 2009

Figure

A-24

X:\SC0307 TDY Harbor Drive\Database_021509\Grapher\[TDY_4_23_2010.xls]Plot_VOCs_BLD120-MW3



Open symbols represent non-detects (plotted at the method detection limit)

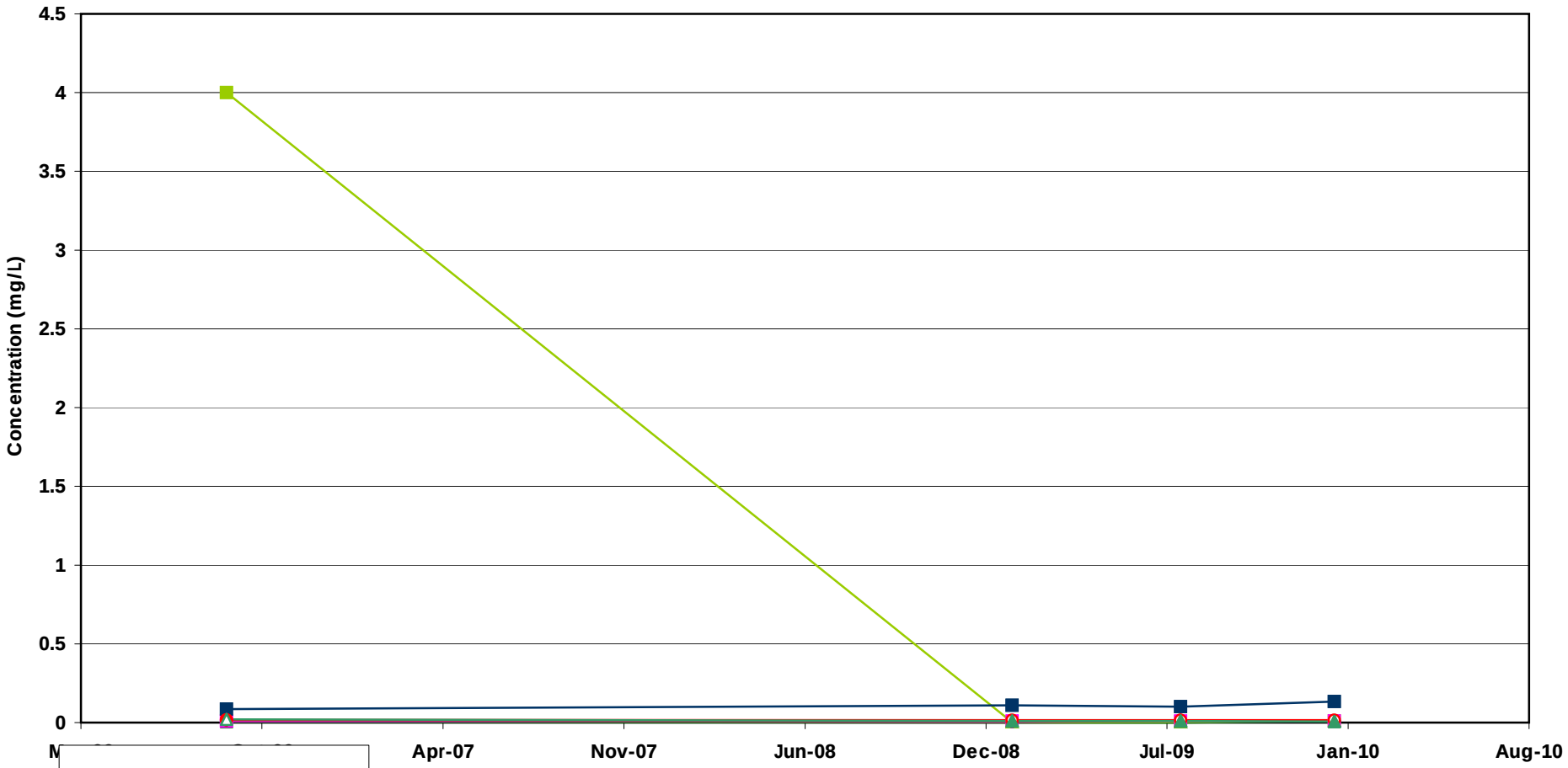
Monitor Well MWCL-1 Time-Series Graph for Metals
2701 North Harbor Drive
San Diego, California

Geosyntec consultants

Figure
A-25

San Diego | April 2010

X:\SC\0307 TDY Harbor Drive\Database_011509\Grapher\[TDY_4_23_2010.xls]Plot_VOCs_BLD120-MW3



Open symbols represent non-detects (plotted at the method detection limit)

Monitor Well MWCL-2 Time-Series Graph for Metals
2701 North Harbor Drive
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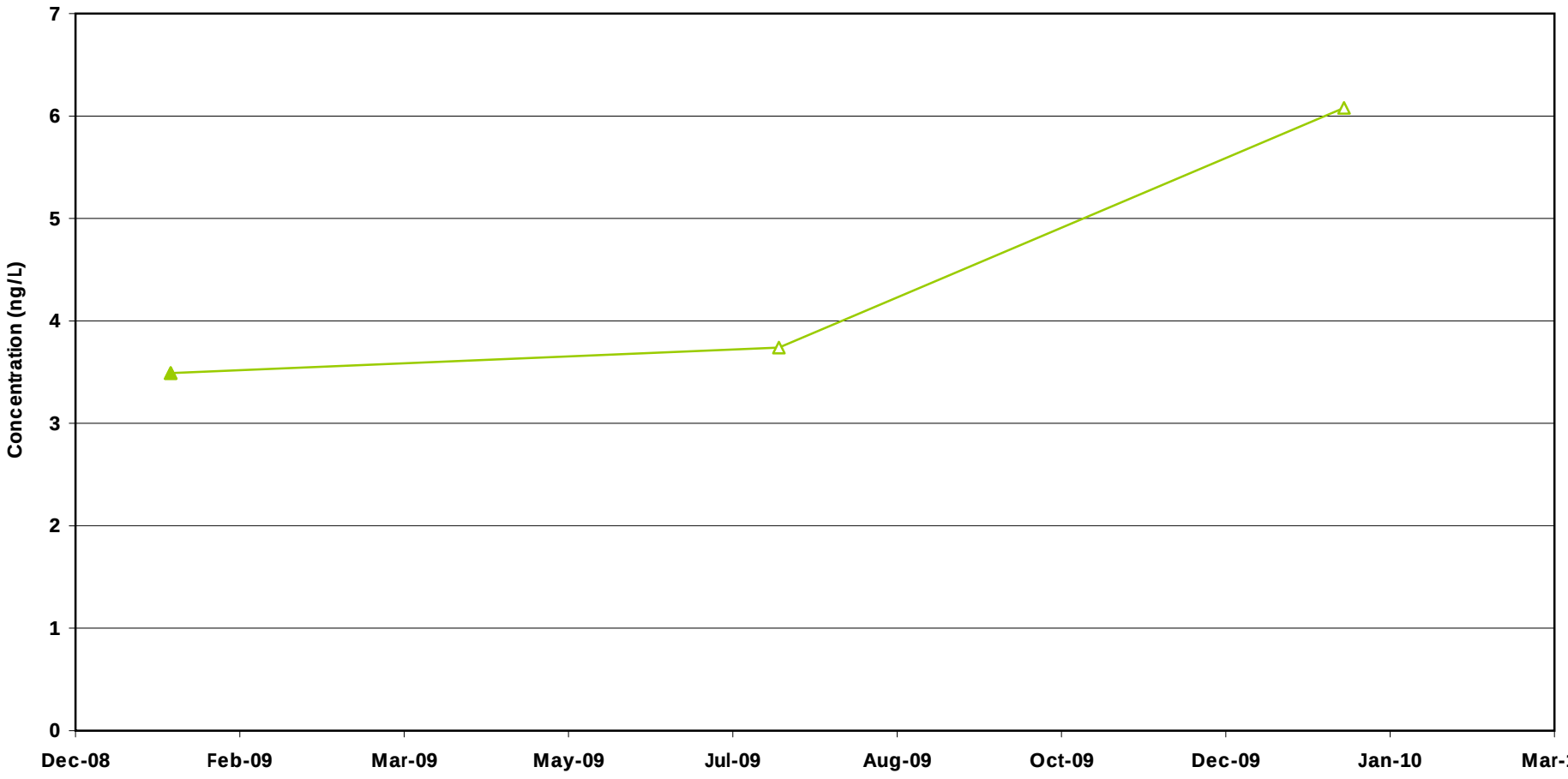
Figure
A-26

X:\SC0307 TDY Harbor Drive \Database_011509\Grapher\ [TDY_4_23_2010.xls]Plot_VOCs_BLD120-MW3



Total PCBs

Open symbols represent non-detects (plotted at the method detection limit)

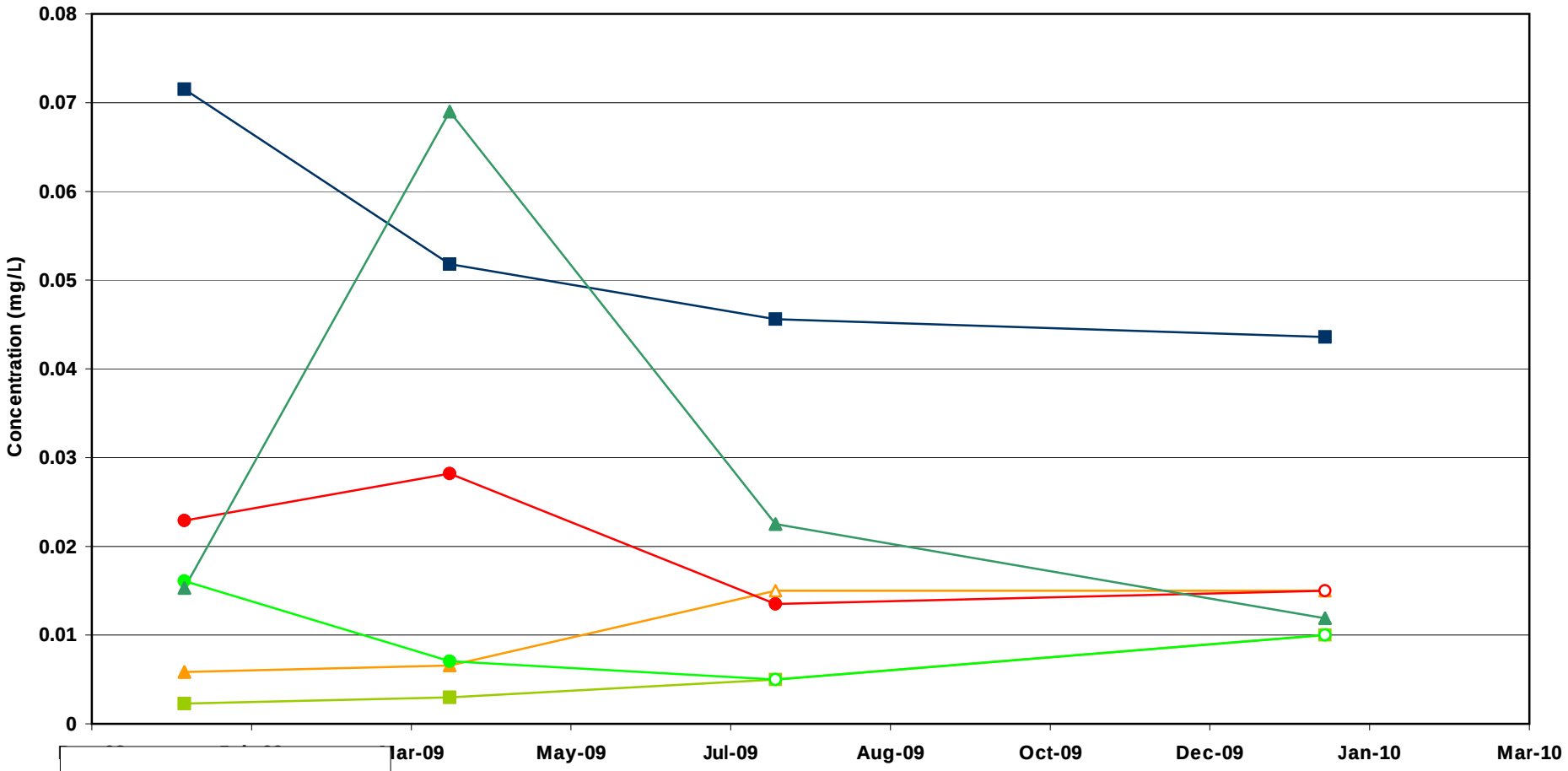
Monitor Well MWCL-2 Time-Series Graph for PCBs
2701 North Harbor Drive
San Diego, California

Geosyntec consultants

San Diego | March 2009

Figure **A-27**

C:\Projects\TDY\[MWCL4_23_2010.xls]Plot_PCBs_MWCL-6



Open symbols represent non-detects (plotted at the method detection limit)

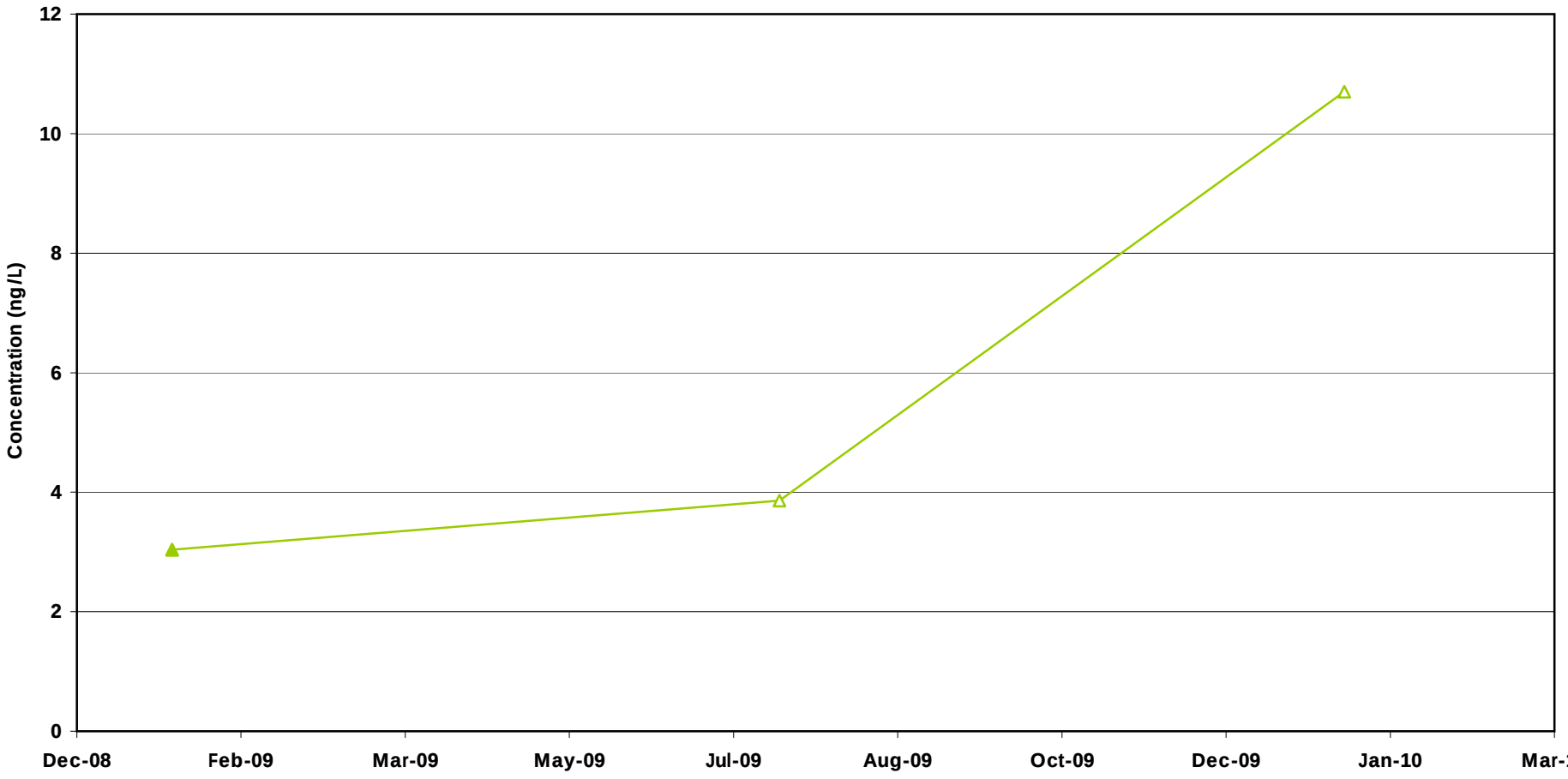
Monitor Well MWCL-3 Time-Series Graph for Metals
2701 North Harbor Drive
San Diego, California

Geosyntec consultants

San Diego | April 2010

Figure **A-28**

X:\SC0307 TDY Harbor Drive\Database_011509\Grapher\[TDY_4_23_2010.xls]Plot_VOCs_BLD120-MW3



Total PCBs

Open symbols represent non-detects (plotted at the method detection limit)

Monitor Well MWCL-4 Time-Series Graph for PCBs
2701 North Harbor Drive
San Diego, California

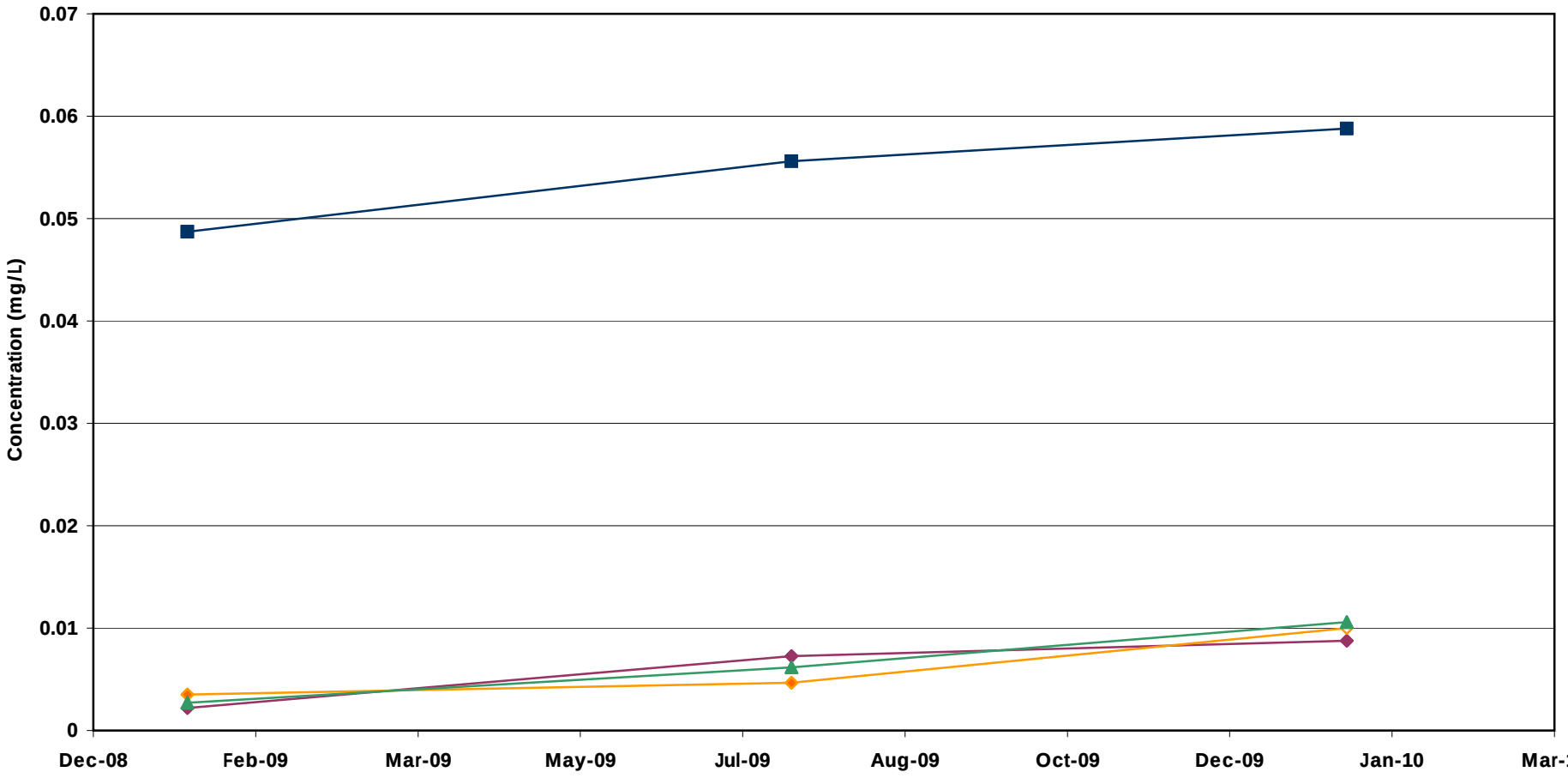
Geosyntec consultants

San Diego	March 2009

Figure

A-29

C:\Projects\TDY\[MWCL4_23_2010.xls]Plot_PCBs_MWCL-6



Open symbols represent non-detects (plotted at the method detection limit)

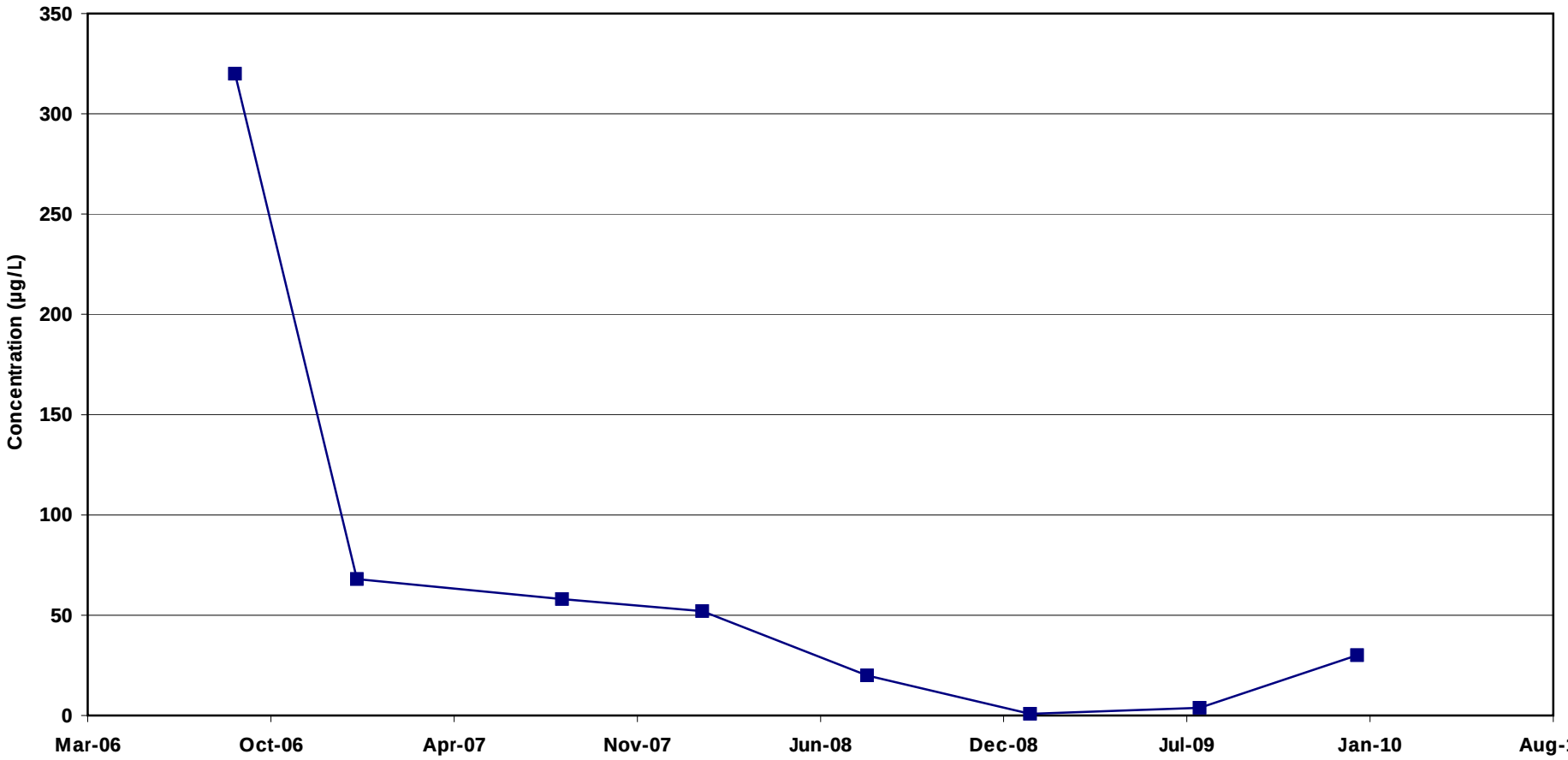
Monitor Well MWCL-4 Time-Series Graph for Metals
2701 North Harbor Drive
San Diego, California

Geosyntec consultants

San Diego | April 2010

Figure
A-30

X:\SC0307 TDY Harbor Drive\Database_011509\Grapher\[TDY_4_23_2010.xls]Plot_VOCs_BLD120-MW3



cis-1,2-Dichloroethene

Open symbols represent non-detects (plotted at the method detection limit)

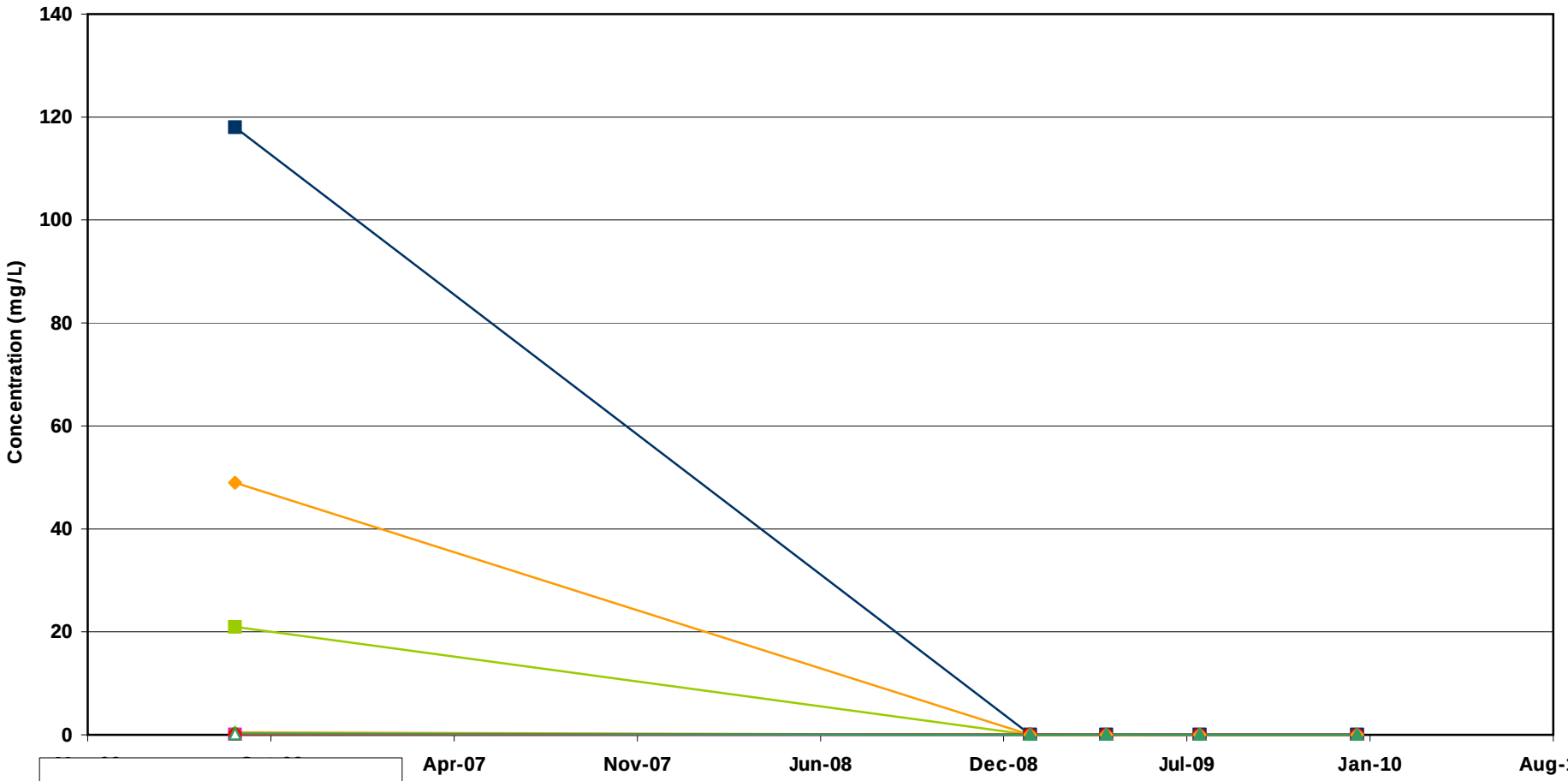
Monitor Well MWCL-5
Time-Series Graph for VOCs
2701 North Harbor Drive
San Diego, California

Geosyntec consultants

San Diego | April 2010

Figure
A-31

X:\SC0307 TDY Harbor Drive\Database_011509\Grapher\[TDY_4_23_2010.xls]Plot_VOCs_BLD120-MW3



Open symbols represent non-detects (plotted at the method detection limit)

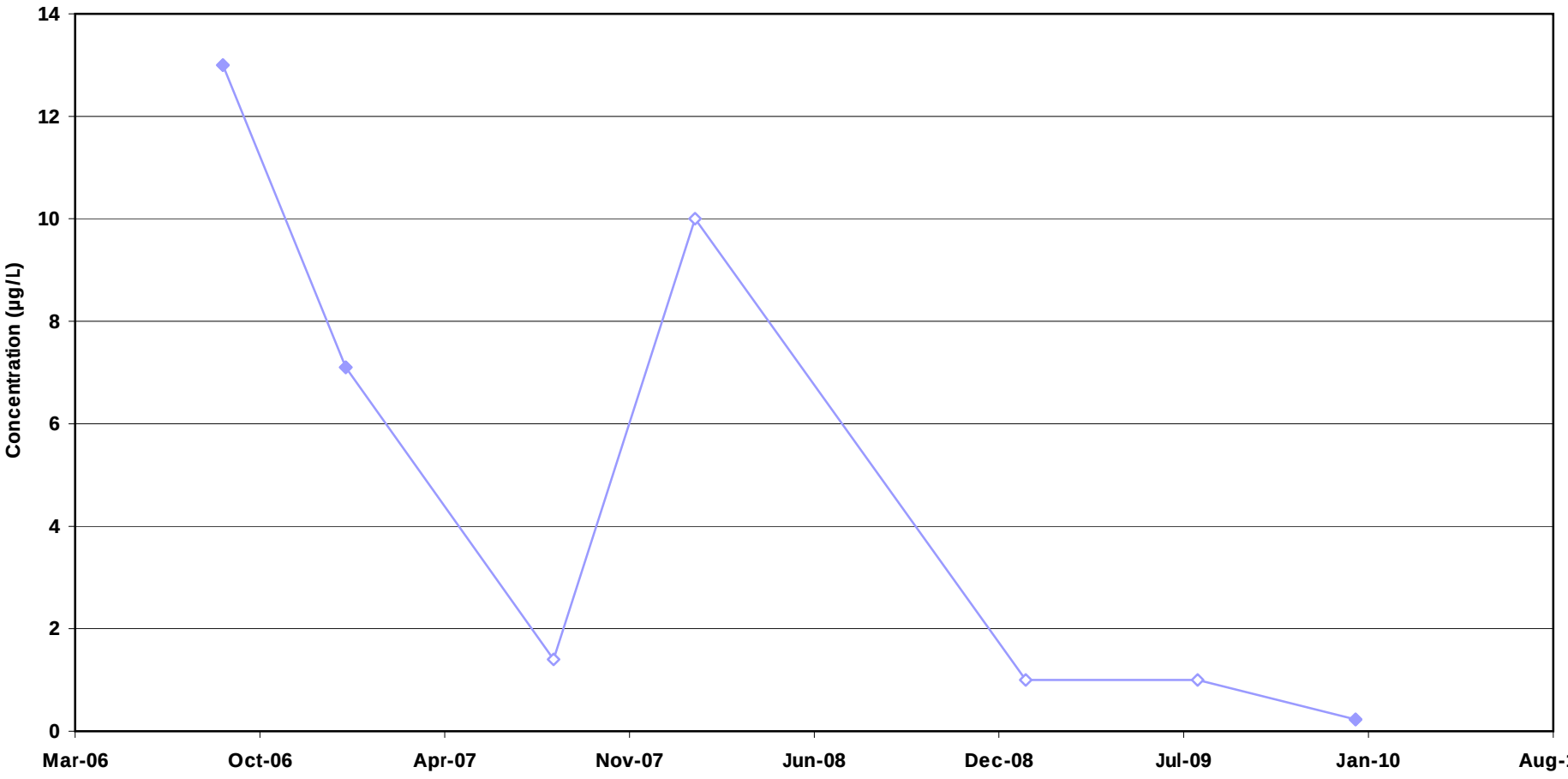
Monitor Well MWCL-5 Time-Series Graph for Metals
2701 North Harbor Drive
San Diego, California

Geosyntec consultants

Figure
A-32

San Diego | April 2010

X:\SC0307 TDY Harbor Drive\Database_011509\Grapher\[TDY_4_23_2010.xls]Plot_VOCs_BLD120-MW3



Acenaphthene

Open symbols represent non-detects (plotted at the method detection limit)

Monitor Well MWCL-6 Time-Series Graph for SVOCs
2701 North Harbor Drive
San Diego, California

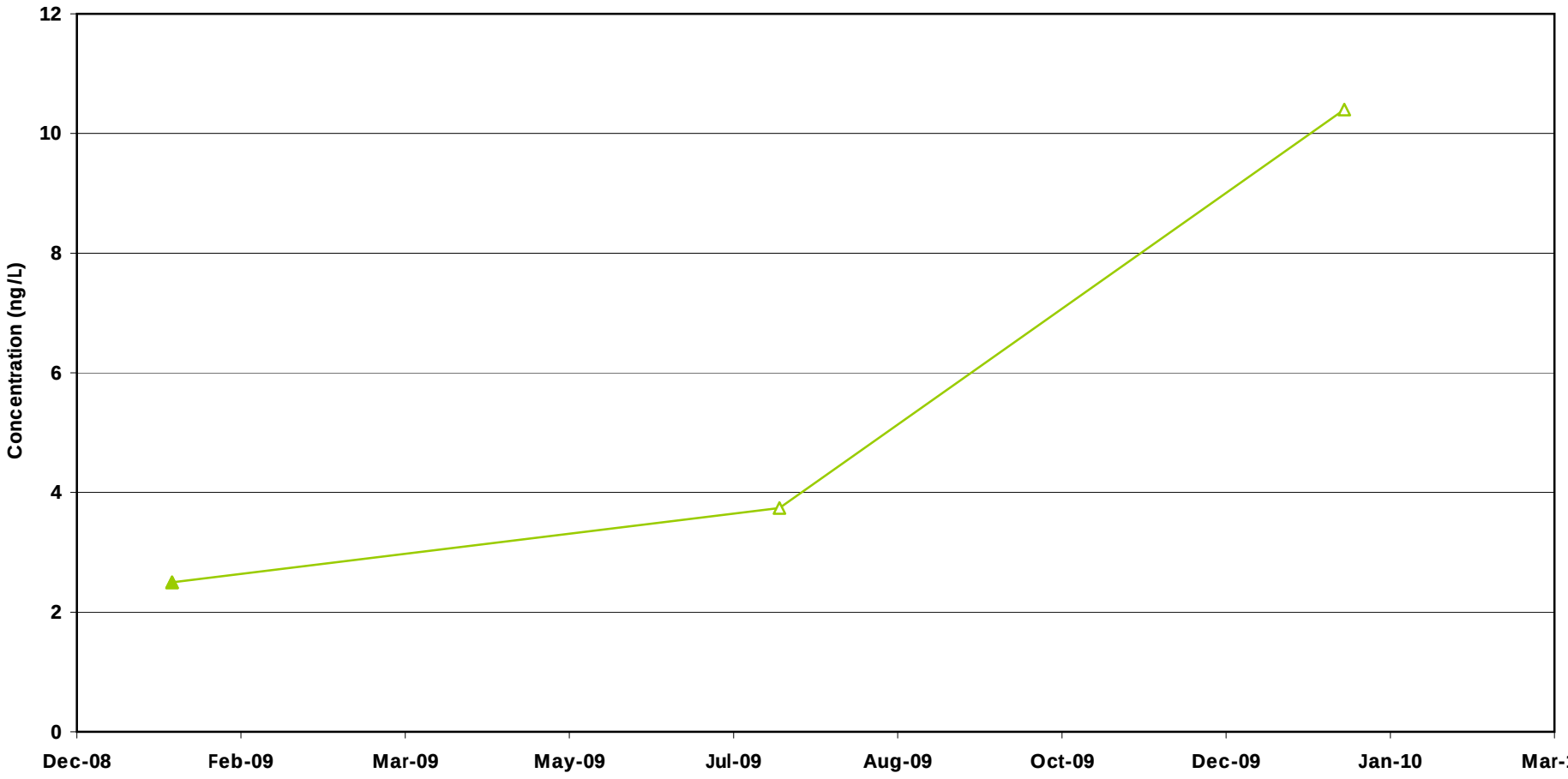
Geosyntec consultants

San Diego	March 2009

Figure

A-33

X:\SC0307 TDY Harbor Drive\Database_011509\Grapher\[TDY_4_23_2010.xls]Plot_VOCs_BLD20-MW3



Total PCBs

Open symbols represent non-detects (plotted at the method detection limit)

Monitor Well MWCL-6 Time-Series Graph for PCBs
2701 North Harbor Drive
San Diego, California

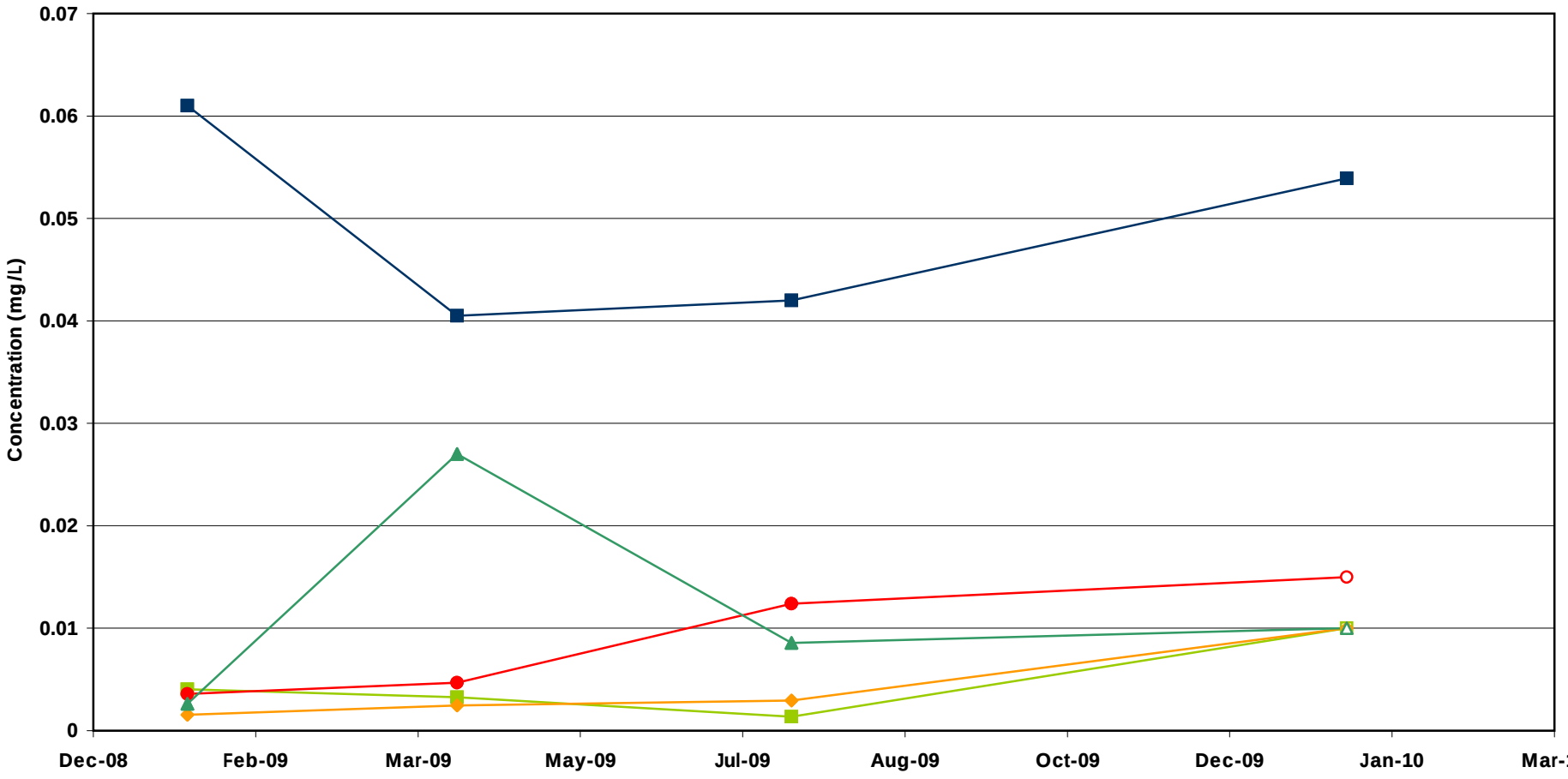
Geosyntec consultants

San Diego	March 2009

Figure

A-34

C:\Projects\TDY\[MWCL4_23_2010.xls]Plot_PCBs_MWCL-6



Open symbols represent non-detects (plotted at the method detection limit)

Monitor Well MWCL-6 Time-Series Graph for Metals
2701 North Harbor Drive
San Diego, California

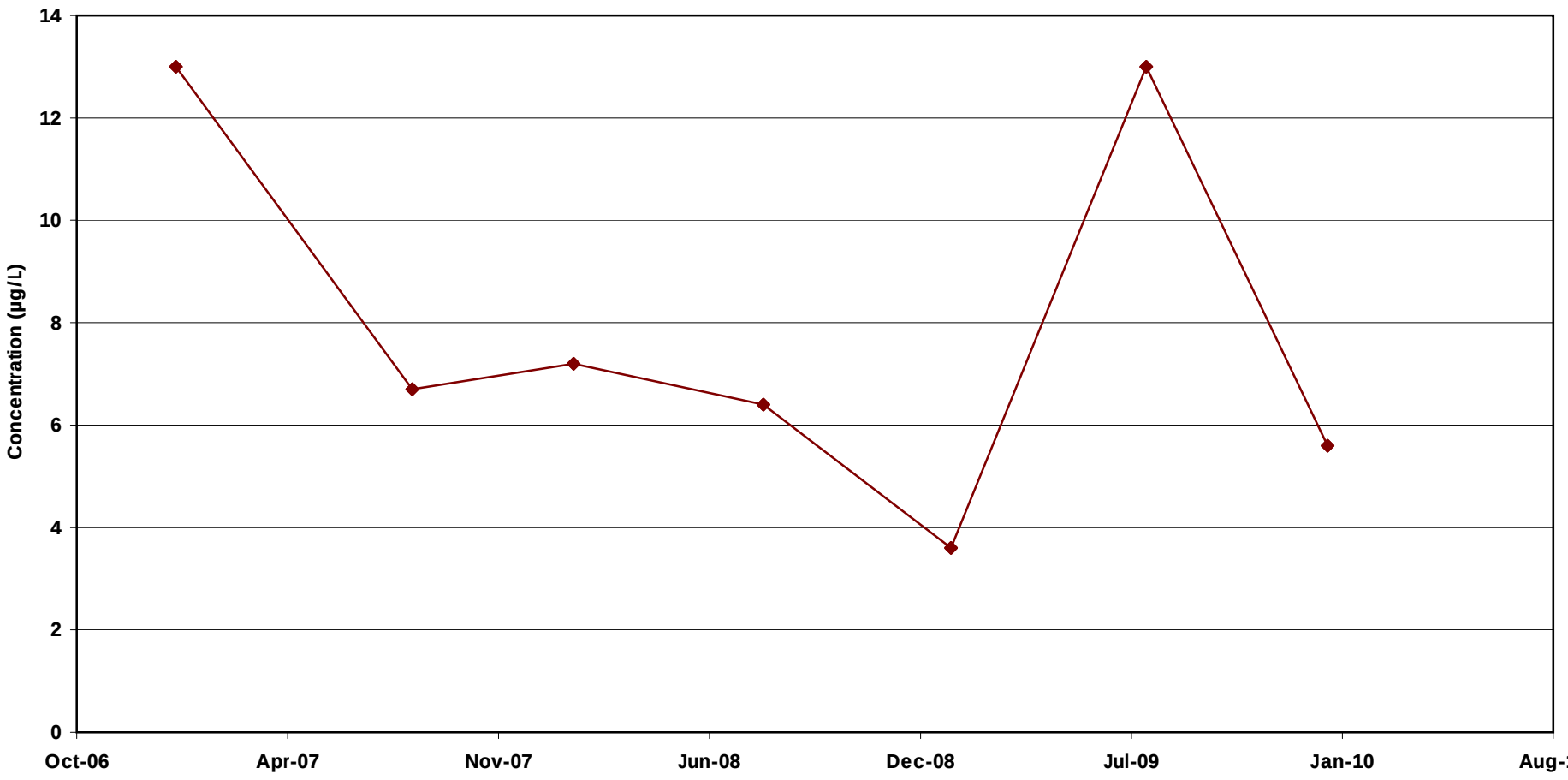
Geosyntec consultants

San Diego | April 2010

Figure

A-35

X:\SC\0307 TDY Harbor Drive\Database_011509\Grapher\[TDY_4_23_2010.xls]Plot_VOCs_BLD120-MW3



Trichloroethene (TCE)

Open symbols represent non-detects (plotted at the method detection limit)

Monitor Well MWCL-7 Time-Series Graph for VOCs
2701 North Harbor Drive
San Diego, California

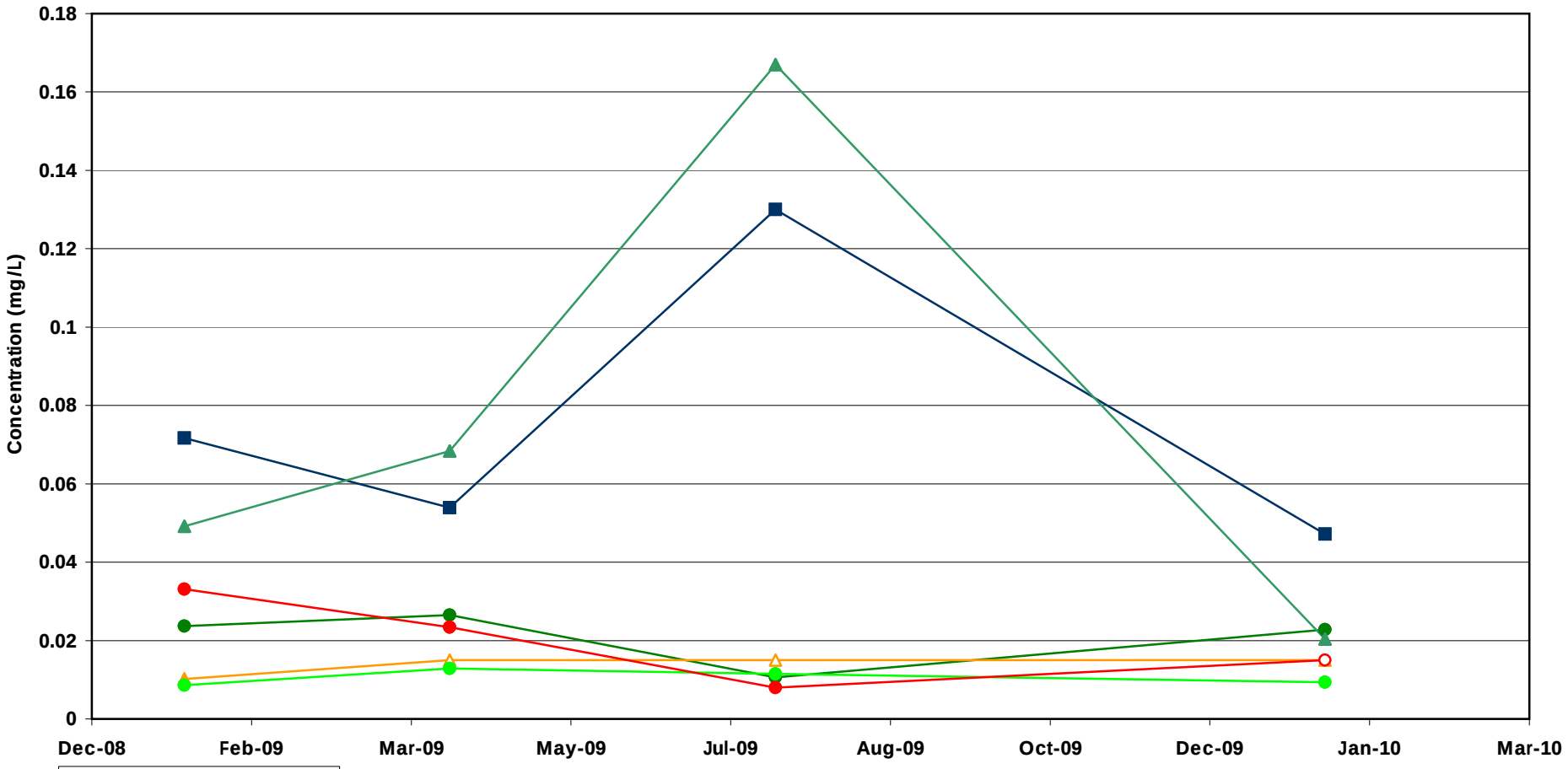
Geosyntec consultants

San Diego | March 2009

Figure

A-36

X:\SC0307 TDY Harbor Drive\Database_011509\Grapher\[TDY_4_23_2010.xls]Plot_VOCs_BLD120-MW3



Open symbols represent non-detects (plotted at the method detection limit)

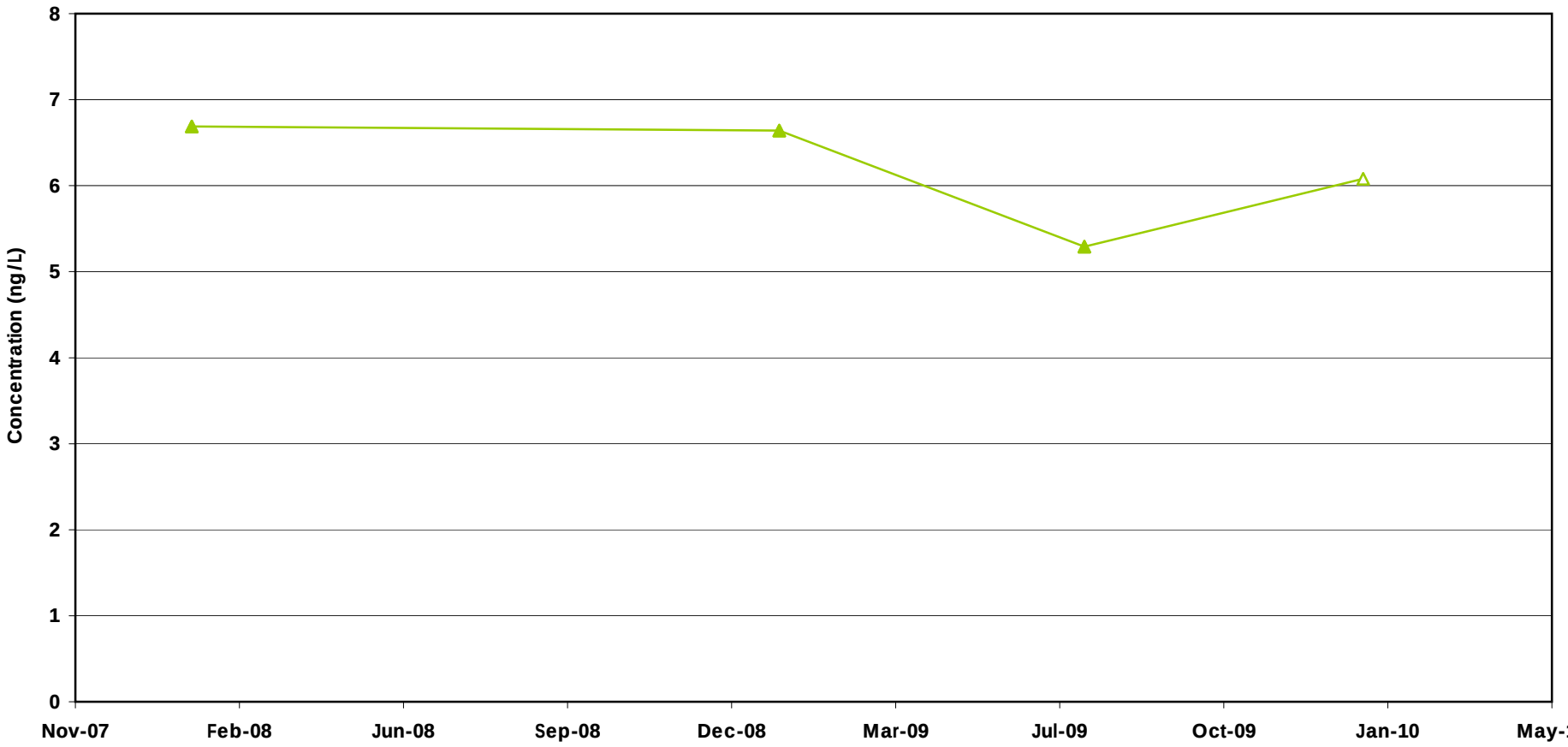
Monitor Well MWCL-7 Time-Series Graph for Metals
2701 North Harbor Drive
San Diego, California

Geosyntec consultants

Figure
A-37

San Diego | April 2010

X:\SC0307 TDY Harbor Drive\Database_011509\Grapher\[TDY_4_23_2010.xls]Plot_VOCs_BLD120-MW3



Total PCBs

Open symbols represent non-detects (plotted at the method detection limit)

Monitor Well MWCL-8
Time-Series Graph for PCBs
2701 North Harbor Drive
San Diego, California

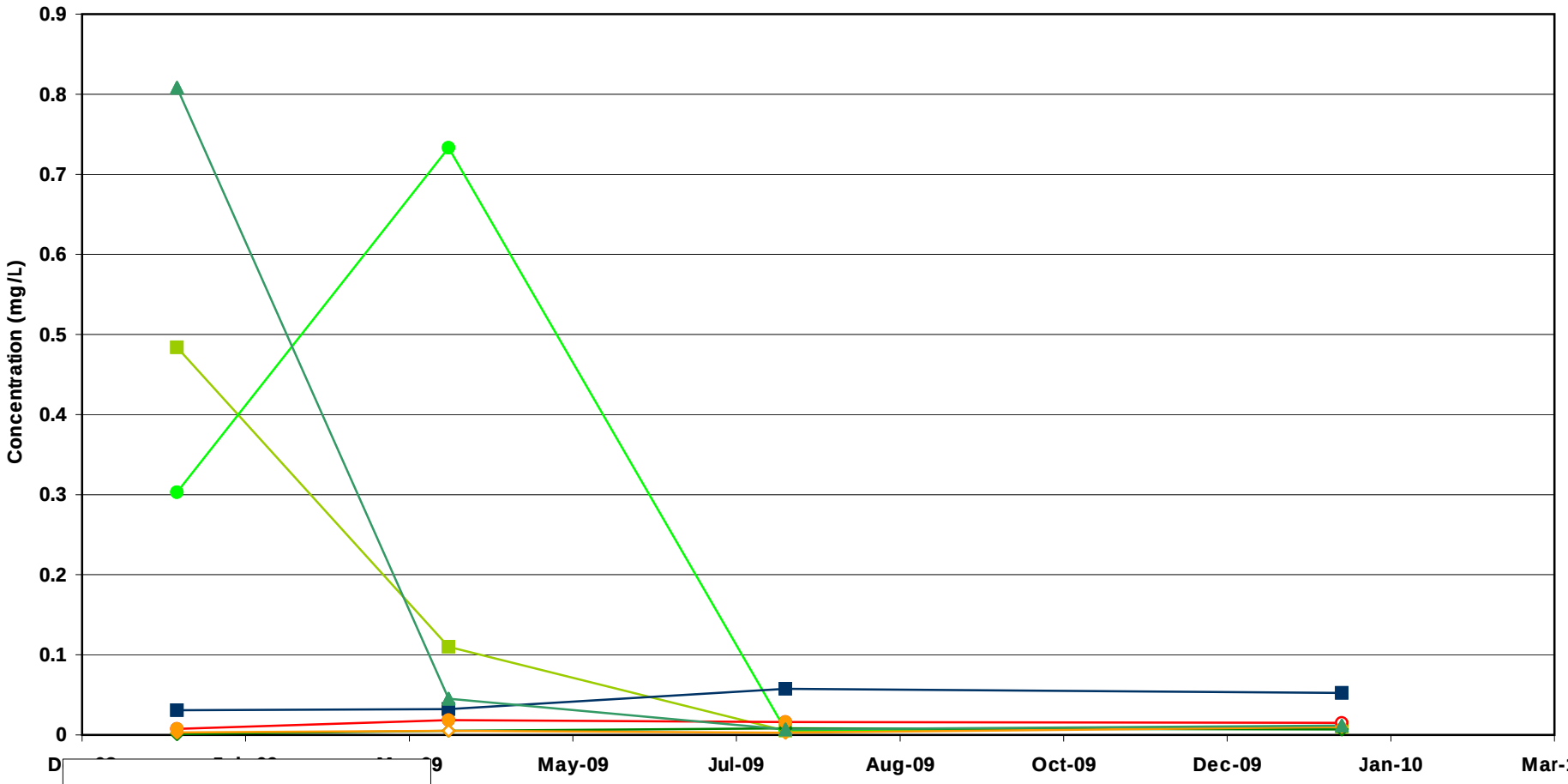
Geosyntec consultants

San Diego | April 2010

Figure

A-38

X:\SC0307 TDY Harbor Drive\Database_011509\Grapher\[TDY_4_23_2010.xls]Plot_VOCs_BLD120-MW3



Open symbols represent non-detects (plotted at the method detection limit)

Monitor Well MWCL-8 Time-Series Graph for Metals
2701 North Harbor Drive
San Diego, California

Geosyntec consultants

San Diego | April 2010

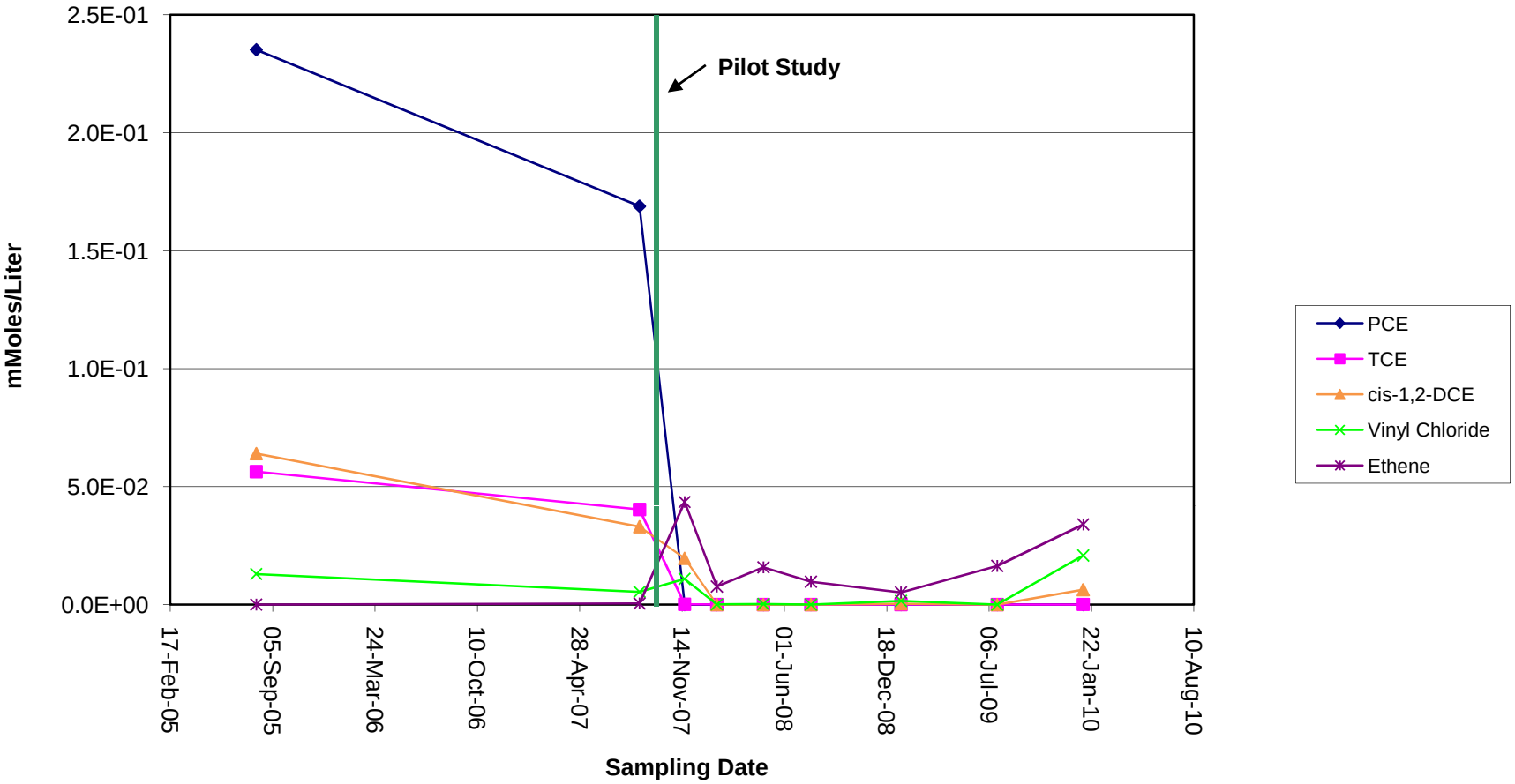
Figure
A-39

X:\SC0307 TDY Harbor Drive\Database_011509\Grapher\[TDY_4_23_2010.xls]Plot_VOCs_BLD120-MW3

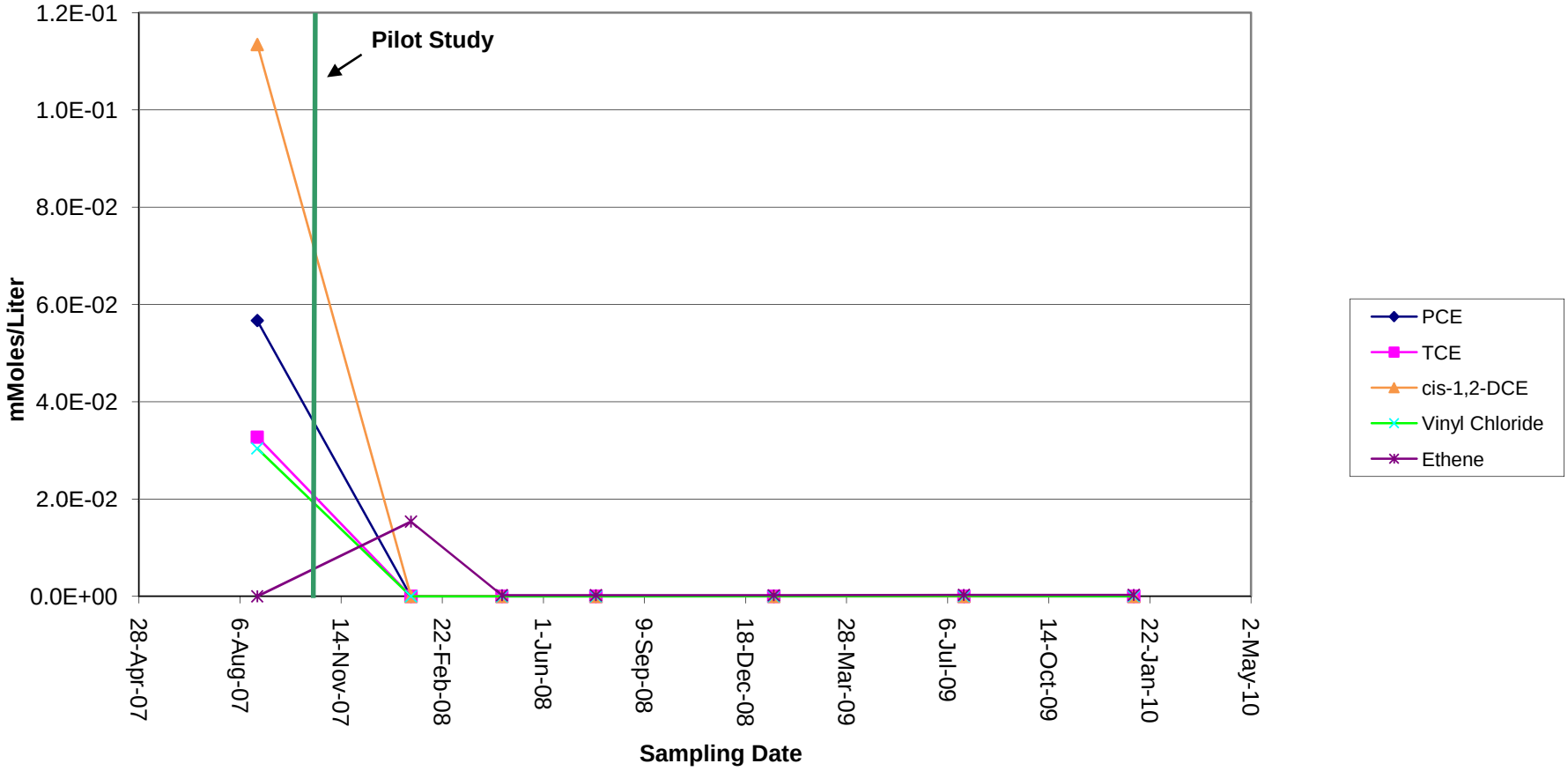
APPENDIX B

EISB Time Series Plots

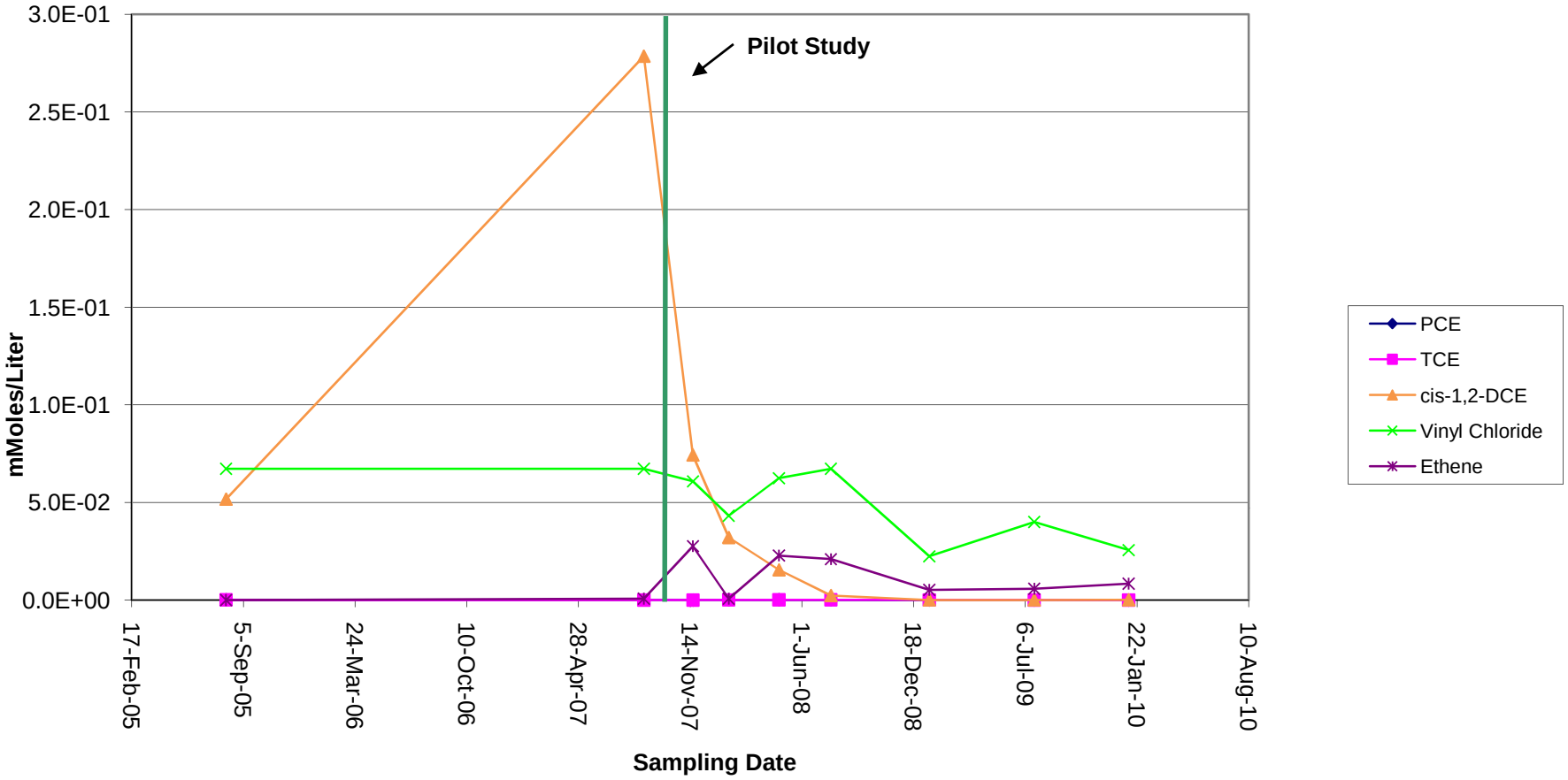
Appendix B-1
Time Trend Analysis of pre/post EISB Implementation B131-MW2



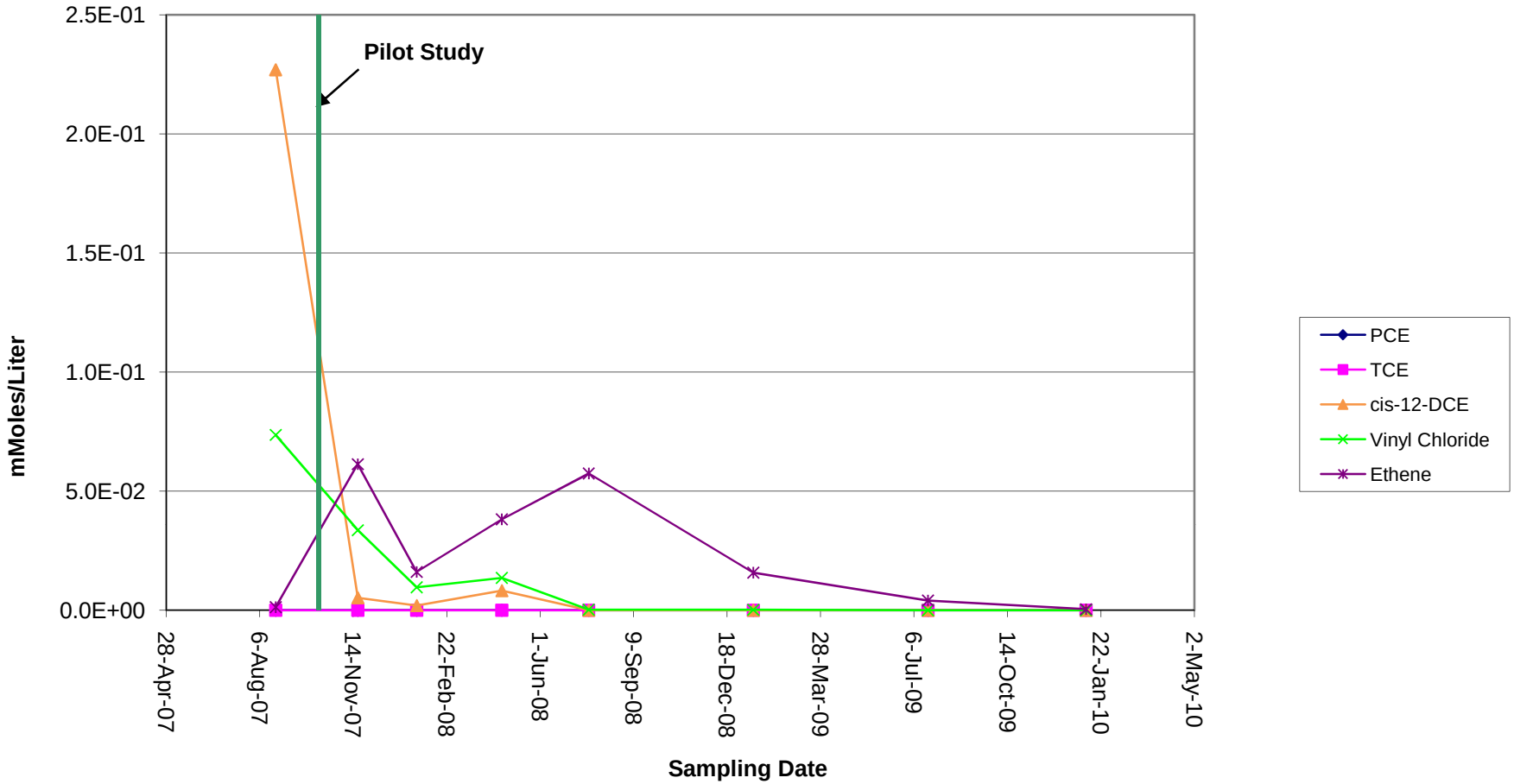
Appendix B-2
Time Trend Analysis of pre/post EISB Implementation B131-MW3



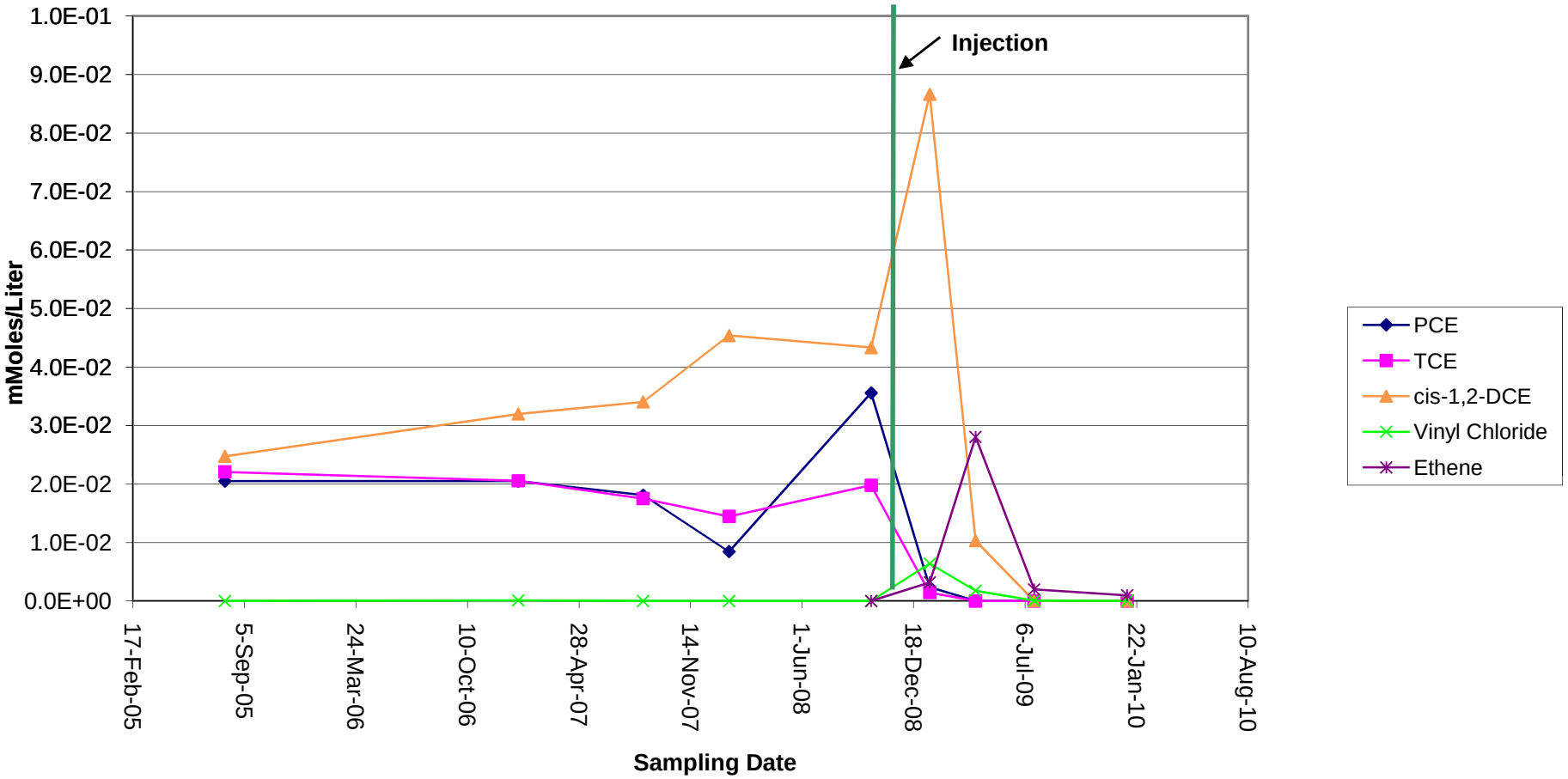
Appendix B-3
Time Trend Analysis of pre/post EISB Implementation B131-MW5



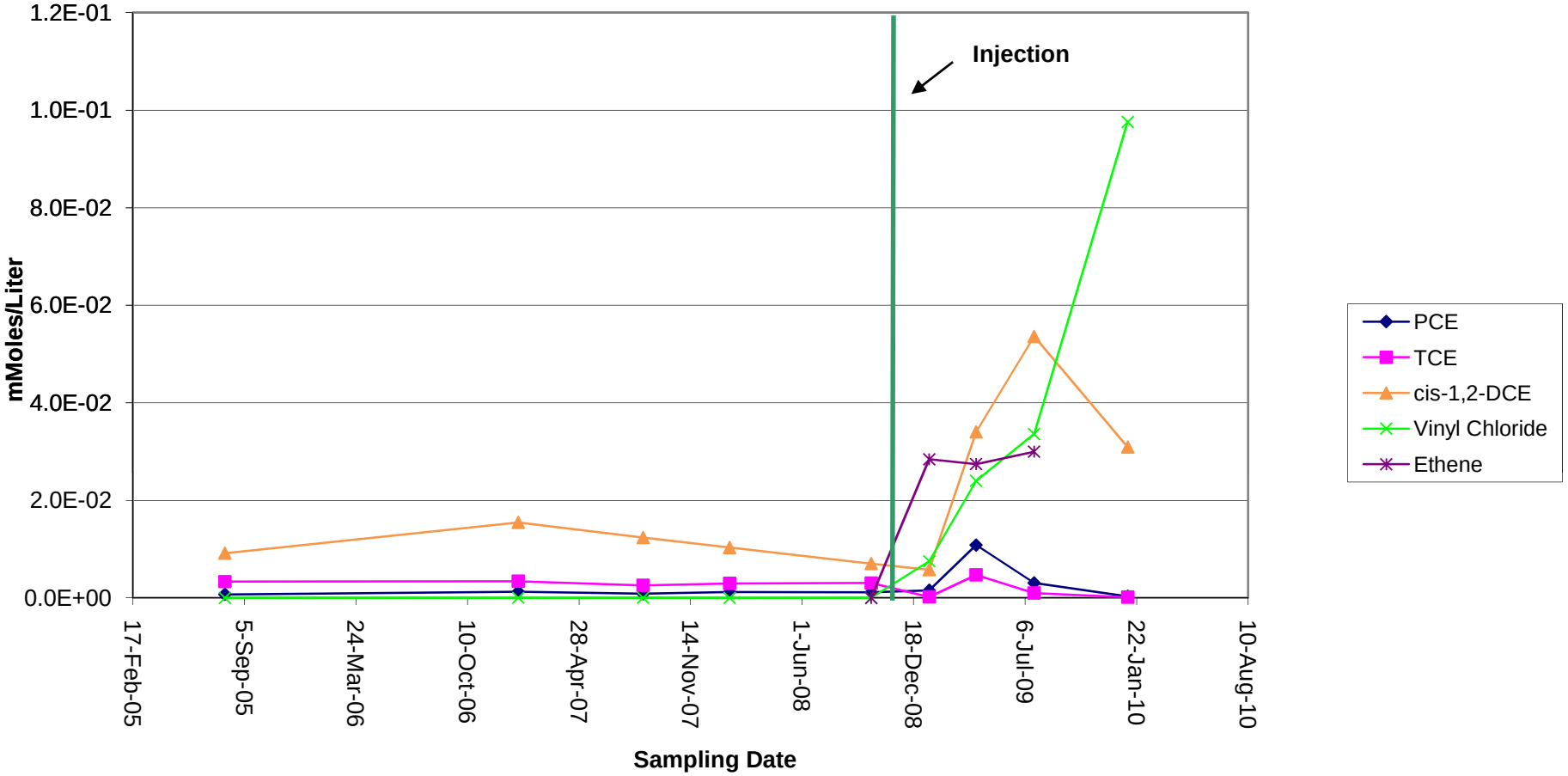
Appendix B-4
Time Trend Analysis of pre/post EISB Implementation B131-MW6



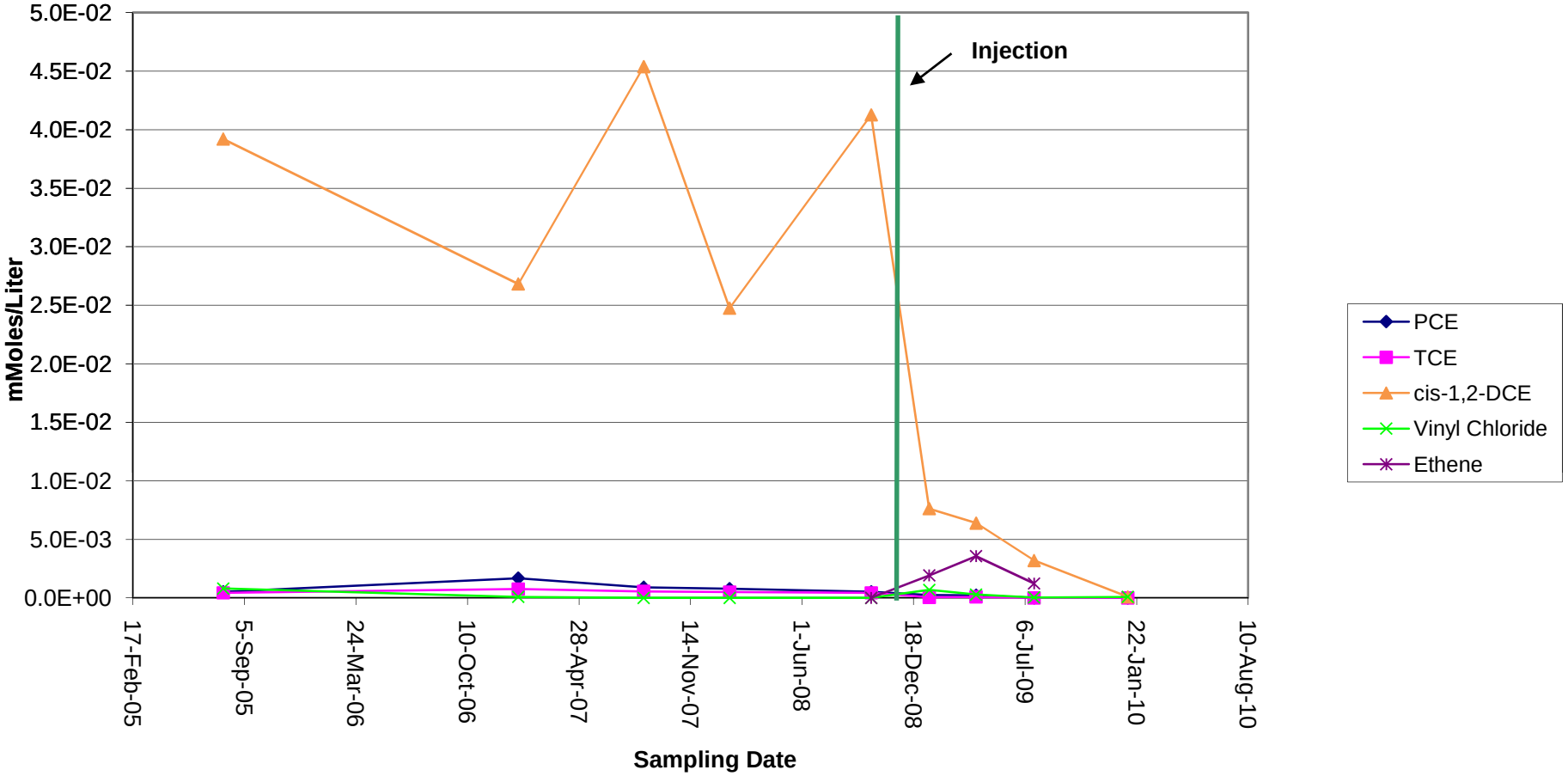
Appendix B-5
Time Trend Analysis of pre/post EISB Implementation BLD120-MW1



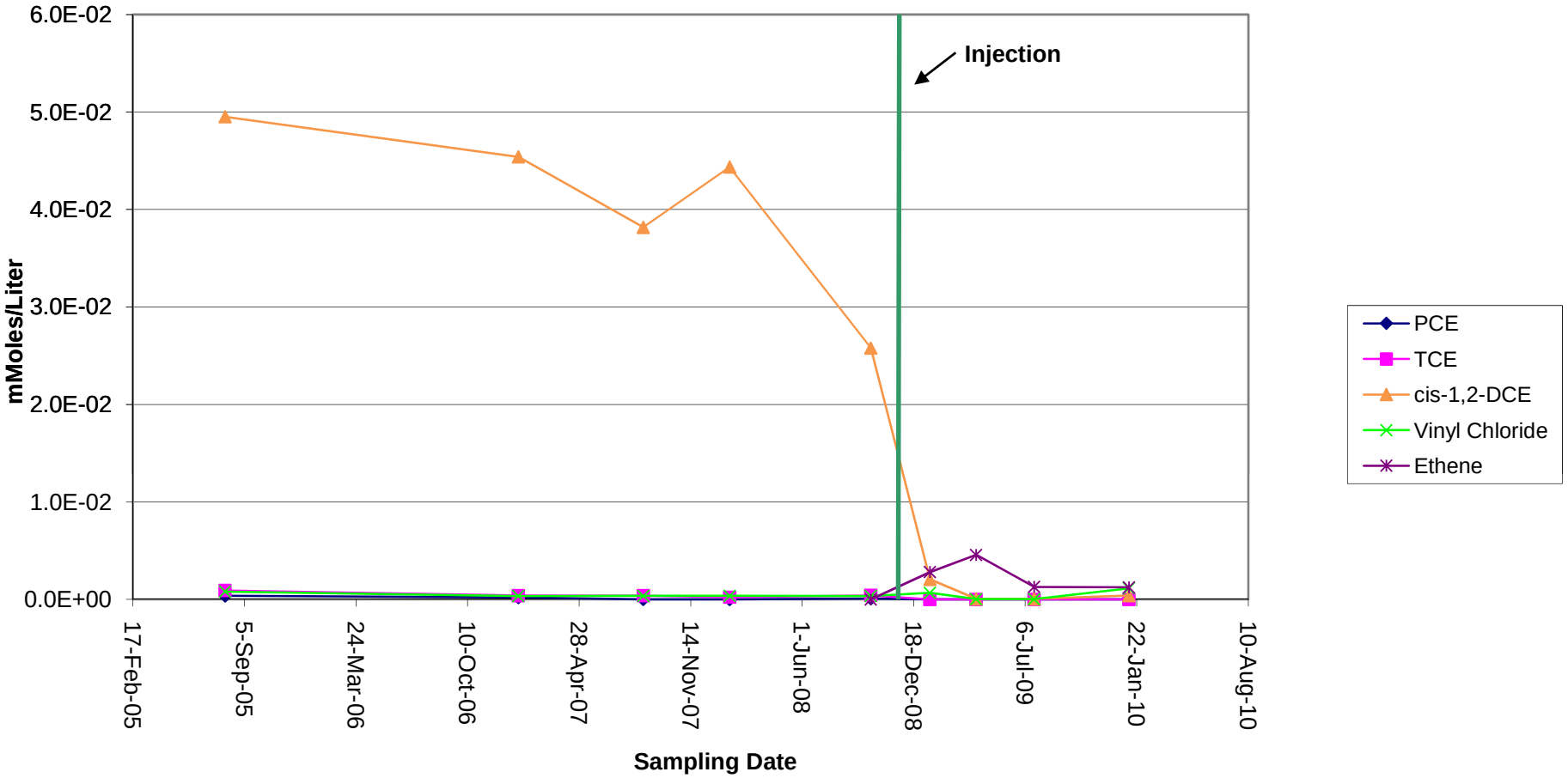
Appendix B-6
Time Trend Analysis of pre/post EISB Implementation BLD120-MW2



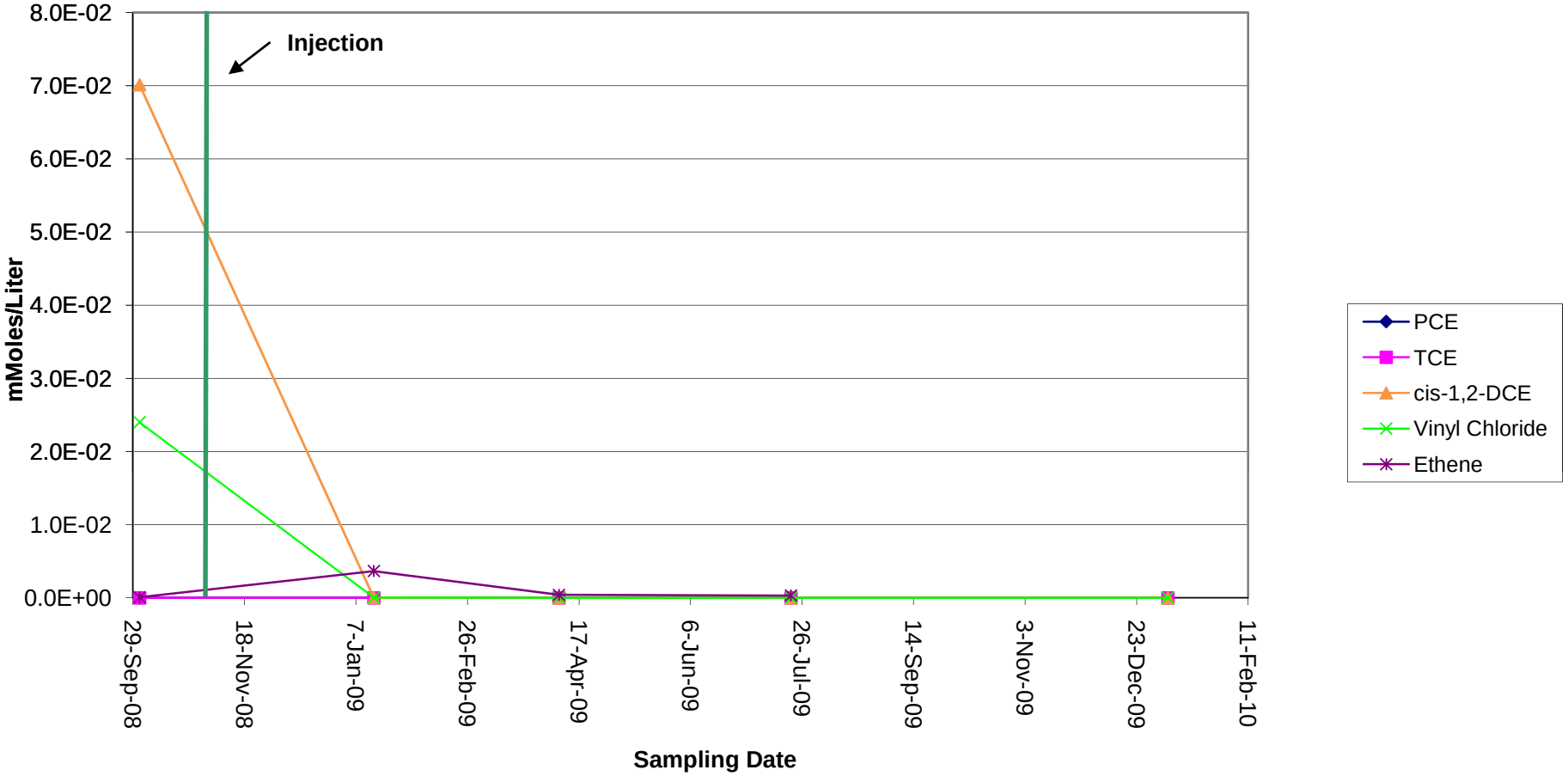
Appendix B-7
Time Trend Analysis of pre/post EISB Implementation BLD120-MW3



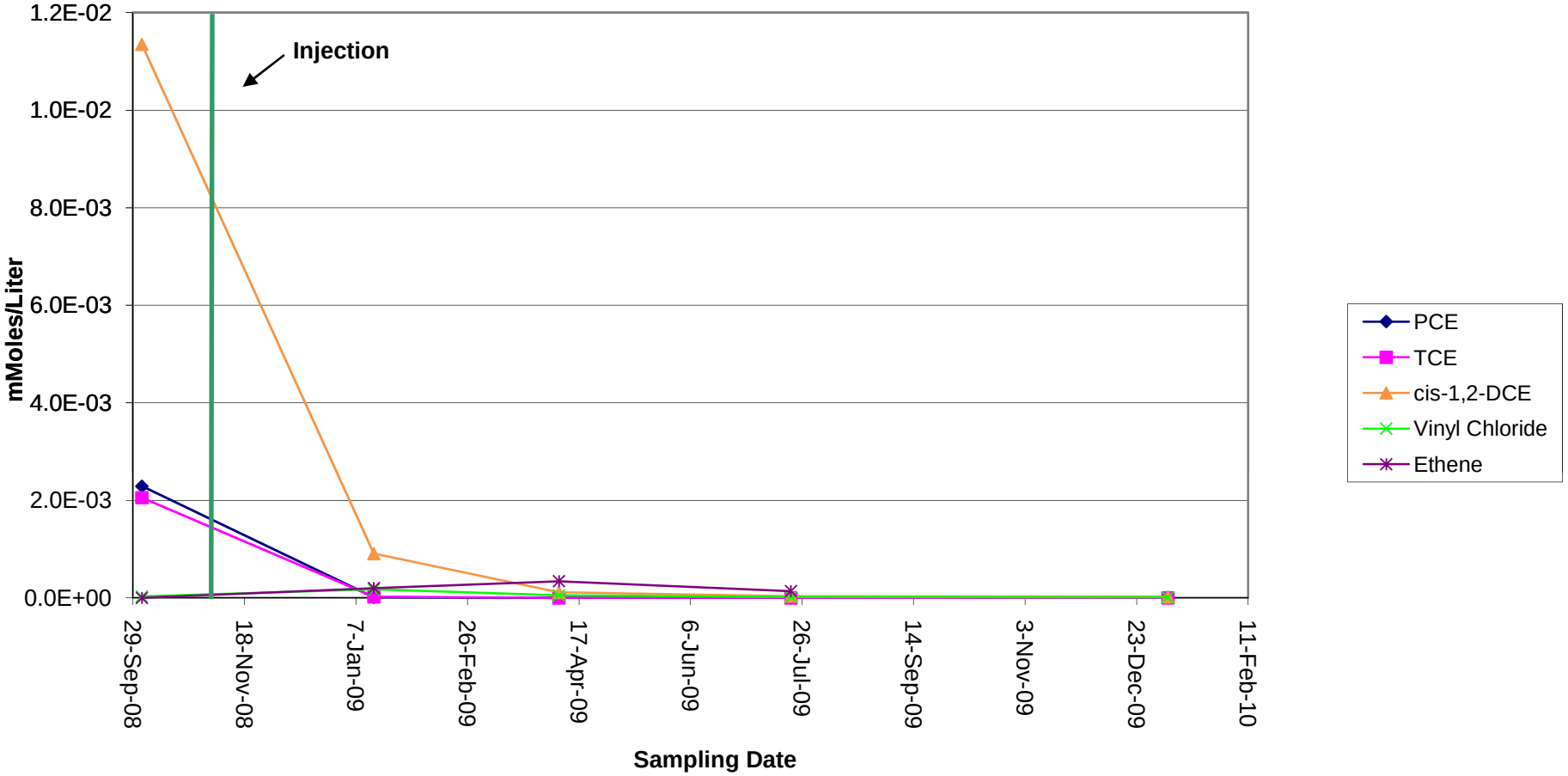
Appendix B-8
Time Trend Analysis of pre/post EISB Implementation BLD120-MW6



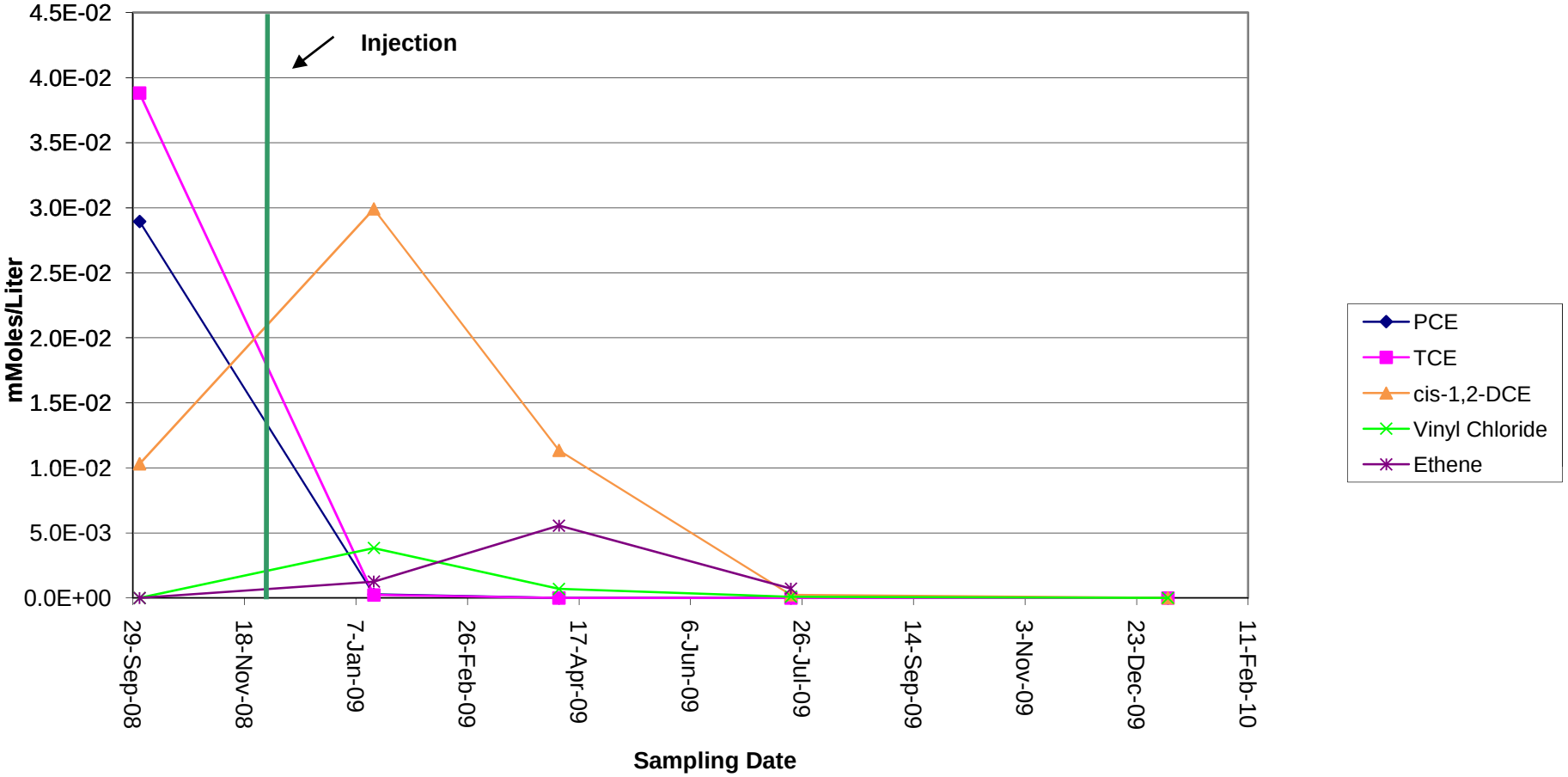
Appendix B-9
Time Trend Analysis of pre/post EISB Implementation BLD120-MW7



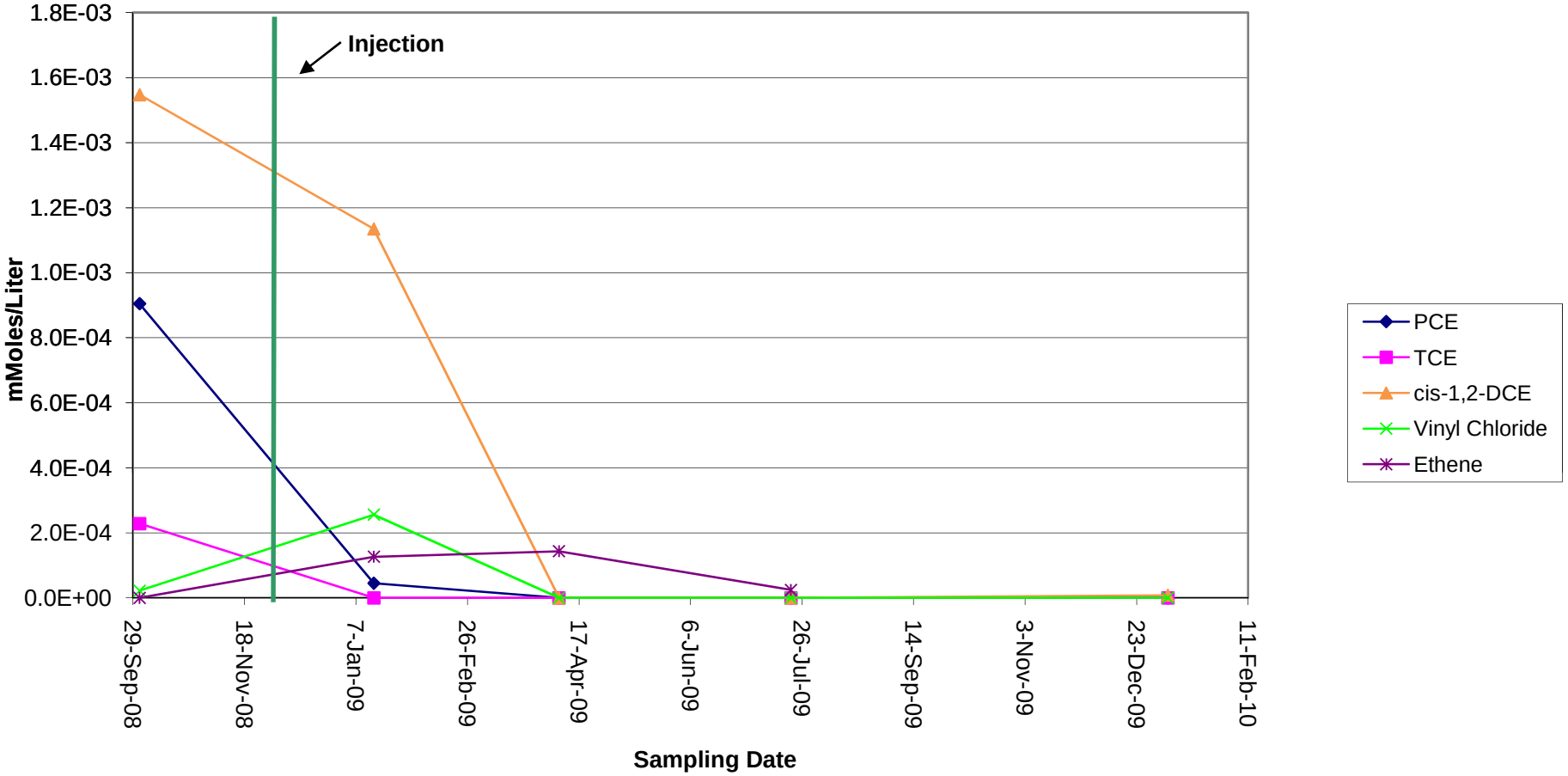
Appendix B-10
Time Trend Analysis of pre/post EISB Implementation BLD120-MW8



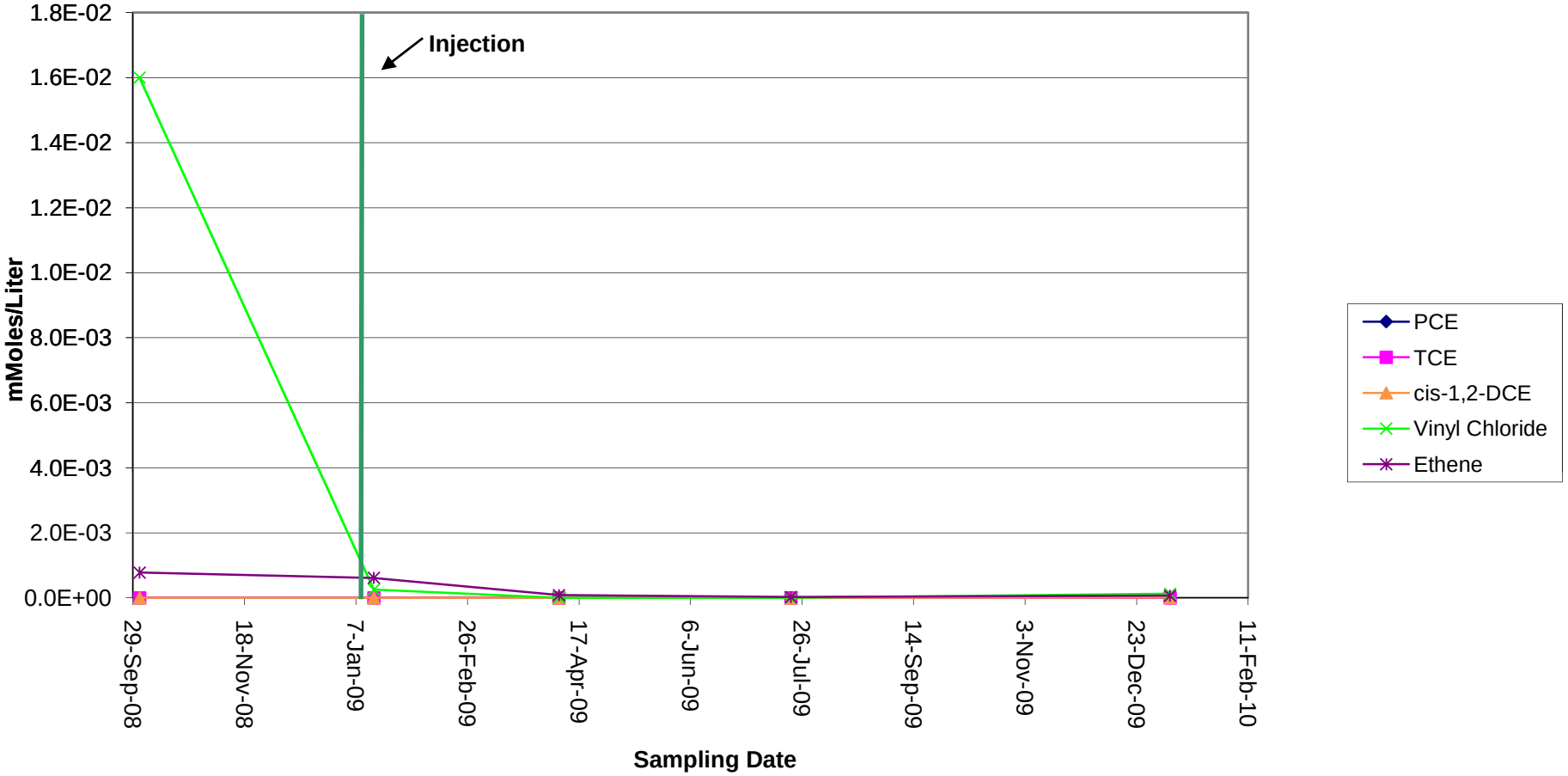
Appendix B-11
Time Trend Analysis of pre/post EISB Implementation BLD120-MW9



Appendix B-12
Time Trend Analysis of pre/post EISB Implementation FMY-MW1



Appendix B-13
Time Trend Analysis of pre/post EISB Implementation B180-MW2



APPENDIX C

Groundwater Sampling Field Forms

Table 3
Summary of Groundwater Elevations
2701 North Harbor Drive
San Diego, California

Geosyntec consultants

was historical

Well Number	Top of Casing Elevation (ft MSL)	Date	Depth to Bottom (ft toc)	Depth to Water (ft toc)	Groundwater Elevation (ft MSL)	
BLD120-MW1	8.882	8/30/2006	14.75	6.30	2.58	
		1/8/2007	14.75	6.49	2.39	
		8/21/2007	14.75	6.59	2.29	
		1/21/2008	14.75	6.10	2.78	
		7/21/2008	14.75	6.24	2.64	
		1/14/2009	14.75	5.05	3.83	
		7/20/2009	14.75	5.97	2.91	@0953
		01-05-10		6.15		
BLD120-MW2	8.867	8/30/2006	13.60	6.49	2.38	
		1/8/2007	13.40	6.60	2.27	
		8/21/2007	13.33	6.72	2.15	
		1/21/2008	13.33	6.19	2.68	
		7/21/2008	13.33	6.40	2.47	
		1/14/2009	13.33	5.34	3.53	
		7/20/2009	13.33	6.29	2.58	@0950
		01-05-10		6.36		
BLD120-MW3	8.776	8/30/2006	14.34	6.45	2.33	
		1/8/2007	14.34	6.60	2.18	
		8/21/2007	14.35	6.67	2.11	
		1/21/2008	14.35	6.30	2.48	
		7/21/2008	14.35	6.36	2.42	
		1/14/2009	14.35	5.58	3.20	
		7/20/2009	14.35	6.34	2.44	@0956
		01-05-10		6.36		
BLD120-MW4	7.071	8/30/2006	14.55	5.00	2.07	
		1/8/2007	14.55	5.22	1.85	
		8/21/2007	14.55	5.13	1.94	
		1/21/2008	14.55	4.63	2.44	
		7/21/2008	14.55	4.80	2.27	
		1/14/2009	14.55	4.74	2.33	
		7/20/2009	14.55	5.05	2.02	@0929
		01-05-10		4.99		
BLD120-MW5	8.029	8/30/2006	15.15	6.00	2.03	
		1/8/2007	15.15	6.05	1.98	
		8/21/2007	15.15	5.97	2.06	
		1/21/2008	15.15	5.42	2.61	
		7/21/2008	15.15	5.33	2.70	
		1/14/2009	15.15	5.72	2.31	
		7/20/2009	15.15	6.04	1.99	@0951
		01-05-10		5.81		
BLD120-MW6	8.728	8/30/2006	14.55	6.36	2.37	
		1/8/2007	14.55	6.50	2.23	
		8/21/2007	14.55	6.62	2.11	
		1/21/2008	14.55	5.99	2.74	
		7/21/2008	14.55	6.32	2.41	
		1/14/2009	14.55	5.19	3.54	
		7/20/2009	14.55	6.09	2.64	@0923
		01-05-10		6.24		
BLD120-MW7	8.786	1/14/2009	15.05	6.21	2.58	
		7/20/2009	15.05	6.53	2.26	
		01-05-10		6.56		@0931
BLD120-MW8	8.941	1/14/2009	15.22	4.88	4.06	
	01-05-10	7/20/2009	15.22	6.00 5.99	2.94	@0943
BLD120-MW9	8.455	1/14/2009	15.37	4.62	3.84	
	01-05-10	7/20/2009	15.37	5.44 5.51	3.02	@0940
BLD131-MW1	8.995	8/30/2006	14.55	6.36	2.64	
		1/8/2007	14.55	6.60	2.40	
		8/21/2007	14.55	6.55	2.45	
		1/21/2008	14.55	6.35	2.65	
		7/21/2008	14.55	6.35	2.65	
		1/14/2009	14.55	6.30	2.70	
		7/20/2009	14.55	6.64	2.36	@1035
		01-05-10		6.58		

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Table 3
Summary of Groundwater Elevations
2701 North Harbor Drive
San Diego, California

use historical

Well Number	Top of Casing Elevation (ft MSL)	Date	Depth to Bottom (ft toc)	Depth to Water (ft toc)	Groundwater Elevation (ft MSL)	
BLD131-MW2	9.460	8/30/2006	14.51	6.80	2.66	
		1/8/2007	14.51	7.05	2.41	
		8/21/2007	14.51	7.00	2.46	
		1/21/2008	14.51	6.70	2.76	
		7/21/2008	14.51	6.77	2.69	
		1/14/2009	14.51	6.66	2.80	
		7/20/2009	14.51	7.02	2.44	@1042
		01-05-10		6.97		
BLD131-MW2D	9.670	8/30/2006	40.08	7.57	2.10	
		1/8/2007	40.08	-	-	
		8/21/2007	40.08	7.80	1.87	
		1/21/2008	40.08	7.31	3.02	
		7/21/2008	40.08	7.70	1.97	
		1/14/2009	40.08	7.14	2.53	
		7/20/2009	40.08	8.04	1.63	@ 1040
		01-05-10		7.65		
BLD131-MW3	9.196	8/30/2006	14.46	6.61	2.59	
		1/8/2007	14.46	6.95	2.25	
		8/21/2007	14.46	6.83	2.37	
		1/21/2008	14.46	6.65	2.55	
		7/21/2008	14.46	6.63	2.57	
		1/14/2009	14.46	6.59	2.61	@ 1036
	01-05-10	7/20/2009	14.46	6.93 6.89	2.27	
BLD131-MW3D	9.750	8/30/2006	39.88	7.76	1.99	
		1/8/2007	39.88	-	-	
		8/21/2007	39.88	7.89	1.86	
		1/21/2008	39.88	7.15	2.60	
		7/21/2008	39.88	7.52	2.23	
		1/14/2009	39.88	7.64	2.11	
		7/20/2009	39.88	8.28	1.47	@1039
		01-05-10		7.77		
BLD131-MW4	8.916	8/30/2006	13.70	6.29	2.63	
		1/8/2007	13.70	6.70	2.22	
		8/21/2007	13.70	6.50	2.42	
		1/21/2008	13.70	6.54	2.38	
		7/21/2008	13.70	6.33	2.59	
		1/14/2009	13.70	6.46	2.46	
		7/20/2009	13.70	6.79	2.13	@1021
		01-05-10		6.65		
BLD131-MW5	10.116	8/30/2006	13.55	-	-	
		1/8/2007	13.55	-	-	
		8/21/2007	13.55	7.84	2.28	
		1/21/2008	13.55	7.76	2.36	
		7/21/2008	13.55	7.70	2.42	
		1/14/2009	13.55	7.67	2.45	
		7/20/2009	13.55	7.98	2.14	@1017
		01-05-10		7.91		
BLD131-MW6	9.458	7/21/2008	15.19	6.88	2.58	
		1/14/2009	15.19	6.88	2.58	
		7/20/2009	15.19	7.20	2.26	@1033
		01-05-10		7.17		
BLD180-MW1	7.887	8/30/2006	15.25	6.29	1.60	
		1/8/2007	15.25	-	-	
		8/21/2007	15.25	6.13	1.76	
		1/21/2008	15.25	6.21	1.68	
		7/21/2008	15.25	6.26	1.63	
	8.125	1/14/2009	15.25	6.40	1.49	
		7/20/2009	15.25	6.53	1.60	@0924
		01-05-10		6.60		

Table 3
Summary of Groundwater Elevations
2701 North Harbor Drive
San Diego, California

Geosyntec consultants

use historical

Well Number	Top of Casing Elevation (ft MSL)	Date	Depth to Bottom (ft toc)	Depth to Water (ft toc)	Groundwater Elevation (ft MSL)	
BLD180-MW2	8.465	1/14/2009	13.35	6.52	1.95	
		7/20/2009	13.35	6.40	2.07	@0931
		01-05-10		6.716		
BLD102-MW4	8.831	8/30/2006	17.80	6.44	2.39	
		1/8/2007	17.80	6.65	2.18	
		8/21/2007	17.80	6.57	2.26	
		1/21/2008	17.80	6.50	2.33	
		7/21/2008	17.80	6.27	2.56	
		1/14/2009	17.80	6.74	2.09	
		7/20/2009	17.80	6.76	2.07	@1011
		01-05-10		6.777		
BLD102-MW5	9.533	8/30/2006	15.18	7.11	2.42	
		1/8/2007	15.18	7.40	2.13	
		8/21/2007	15.18	7.29	2.24	
		1/21/2008	15.18	7.09	2.44	
		7/21/2008	15.18	7.02	2.51	
		1/14/2009	15.18	6.89	2.64	
		7/20/2009	15.18	7.23	2.30	@ 1000
		01-05-10		7.19		
BLD102-MW6	9.390	7/20/2009	15.25	7.09	2.30	@ 0958
				6.98		
BLD-156-MW1	9.263	8/30/2006	15.36	6.61	2.65	
		1/8/2007	15.36	6.90	2.36	
		8/21/2007	15.36	6.87	2.39	
		1/21/2008	15.36	6.51	2.75	
		7/21/2008	15.36	6.58	2.68	
		1/14/2009	15.36	6.43	2.83	
		7/20/2009	15.36	6.85	2.41	@1046
		01-05-10		6.777		
MWCL-1	8.426	8/30/2006	42.20	6.55	1.88	
		1/8/2007	42.20	6.70	1.73	
		8/21/2007	42.20	6.99	1.44	
		1/21/2008	42.20	5.99	2.44	
		7/21/2008	42.20	6.67	1.76	
		1/14/2009	42.20	6.52	1.91	
		7/20/2009	42.20	7.00	1.43	@1004
		01-05-10		6.64		
MWCL-2	8.491	8/30/2006	14.18	6.92	1.57	
		1/8/2007	14.20	6.90	1.59	
		8/21/2007	14.20	7.00	1.49	
		1/21/2008	14.20	6.64	1.85	
		7/21/2008	14.20	6.59	1.90	
		1/14/2009	14.20	6.65	1.84	
		7/20/2009	14.20	6.75	1.74	@1005
		01-05-10		6.46		
MWCL-3	9.520	8/30/2006	43.32	8.71	0.81	
		1/8/2007	43.40	9.20	0.32	
		8/21/2007	43.40	8.99	0.53	
		1/21/2008	43.40	8.12	1.40	
		7/21/2008	43.40	11.05*	-1.53	
		1/14/2009	43.40	8.60	0.92	
		7/20/2009	43.40	10.12*	-0.60	@0955
		01-05-10		8.66		

Table 3
Summary of Groundwater Elevations
2701 North Harbor Drive
San Diego, California

Geosyntec consultants

use historical

Well Number	Top of Casing Elevation (ft MSL)	Date	Depth to Bottom (ft toc)	Depth to Water (ft toc)	Groundwater Elevation (ft MSL)	
MWCL-4	9.604	8/30/2006	14.30	7.90	1.70	
		1/8/2007	14.30	8.05	1.55	
		8/21/2007	14.30	8.13	1.47	
		1/21/2008	14.30	7.83	1.77	
		7/21/2008	14.30	7.86	1.74	
		1/14/2009	14.30	7.98	1.62	
		7/20/2009	14.30	8.15	1.45	@0954
		01-05-10		7.90		
MWCL-5	11.074	8/30/2006	42.44	10.32	0.75	
		1/8/2007	42.50	10.60	0.47	
		8/21/2007	42.50	10.64	0.43	
		1/21/2008	42.50	10.01	1.06	
		7/21/2008	42.50	20.07*	-8.99	
		1/14/2009	42.50	10.18	0.89	
		7/20/2009	42.50	12.80*	-1.73	@0947
		01-05-10		10.03		
MWCL-6	10.949	8/30/2006	14.85	9.84	1.11	
		1/8/2007	14.90	10.10	0.85	
		8/21/2007	14.90	10.19	0.76	
		1/21/2008	14.90	8.70	2.25	
		7/21/2008	14.90	9.83	1.12	
		1/14/2009	14.90	9.95	1.00	
		7/20/2009	14.90	9.80	1.15	@0945
		01-05-10		9.75		
MWCL-7	11.150	1/8/2007	65.00	9.54	1.61	
		8/21/2007	65.00	9.83	1.32	
		1/21/2008	65.00	9.42	1.73	
		7/21/2008	65.00	9.34	1.81	
		1/14/2009	65.00	9.16	1.99	
		7/20/2009	65.00	9.68	1.47	@0946
		01-05-10		9.99		
MWCL-8R	9.150	7/20/2009	12.19	7.93	1.22	@0959
		01-05-10		7.77		
GT4	8.917	8/30/2006	15.66	7.09	1.83	
		1/8/2007	15.66	7.48	1.44	
		8/21/2007	15.66	7.31	1.61	
		1/21/2008	15.66	6.96	1.96	
		7/21/2008	15.66	6.91	2.01	
		1/14/2009	15.66	6.84	2.08	
		7/20/2009	15.66	7.02	1.90	@1010
		01-05-10		7.04		
P2	9.120	7/20/2009	14.83	6.26	2.86	@1020
		01-05-10		6.35		
B158-MW1	9.370	7/21/2008	14.97	6.60	2.77	
		1/14/2009	14.97	6.38	2.99	
		7/20/2009	14.97	6.76	2.61	@1022
		01-05-10		6.68		
B158-MW2	9.520	7/20/2009	16.56	6.84	2.68	@1013
		01-05-10		6.70		
AreaD-MW1	11.351	7/21/2008	16.69	8.41	2.94	
		1/14/2009	16.69	8.25	3.10	
		7/20/2009	16.69	8.59	2.76	@1028
		01-05-10		8.55		
AreaD-MW2	10.13	7/20/2009	15.67	7.36	2.77	
		01-05-10		7.33		@1025
FMY-MW1	8.314	1/14/2009	15.15	6.05	2.26	
		7/20/2009	15.15	6.20	2.11	@0936
		01-05-10		6.17		

Notes:
ft toc = feet below top of casing
ft MSL = feet below Mean Sea Level
" - " = Monitor well not gauged
* - Groundwater elevation artificially low due to pressurized well conditions

LOW FLOW WELL MONITORING DATA SHEET

Project #: 100105-2i	Client: Geosyntec
Sampler: CD	Start Date: 01-05-10
Well I.D.: AREA D - MW1	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth: 16.69	Depth to Water: 8.55
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (TOC) Grade	Flow Cell Type: YSI

Purge Method: 2" Grundfos Pump | Peristaltic Pump | ~~Bladder Pump~~
Sampling Method: Dedicated Tubing | New Tubing | ~~Other~~

Flow Rate: 200 mL/min | Pump Depth: 15'

0756 Start Time	Temp. (°C or °F)	pH	Cond. (mS or (uS))	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or (ml))	Depth to Water
0759	20.5	10.3	2406	316	1.0	-63.6	600	8.56
0802	20.1	10.4	2390	318	0.8	-64.1	1200	8.55
0805	20.0	10.4	2374	308	0.6	-65.5	1800	8.55
0808	19.9	10.4	2371	279	0.6	-66.2	2400	8.55
0811	19.9	10.4	23.68	272	0.6	-67.1	3000	8.55
0814	19.9	10.4	2369	269	0.6	-68.0	3600	8.55

Did well dewater? Yes (No) | Amount actually evacuated: 3.6L

Sampling Time: 0816 | Sampling Date: 01-06-10

Sample I.D.: AREA D - MW1 | Laboratory: Calscience

Analyzed for: TPH-G BTEX MTBE TPH-D | Other: See S.O.W.

Equipment Blank I.D.: @ Time | Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 100105-01	Client: Geosyntec
Sampler: CJ	Start Date: 01-05-10
Well I.D.: AREA D - MW2	Well Diameter: (2) 3 4 6 8
Total Well Depth: 15.67	Depth to Water: 7.33
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	Flow Cell Type: YSI - 556

Purge Method: 2" Grundfos Pump | Peristaltic Pump | (Bladder Pump)
Sampling Method: Dedicated Tubing | (New Tubing) | Other
Flow Rate: 260 mL/min | Pump Depth: 14'

Time (Start Purge 0704)	Temp. (°C or °F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or (mL))	Depth to Water
0707	19.5	6.8	7245	46	2.2	43.4	600	7.43
0710	19.0	6.9	7325	37	1.7	-7.8	1200	7.48
0713	19.0	7.0	7073	36	1.4	-29.4	1500	7.51
0716	19.1	7.1	6001	34	1.5	-51.3	2400	7.52
0719	19.0	7.1	5957	34	1.5	-60.1	3009	7.56
0722	19.0	17.1	5934	33	1.5	-61.7	3600	7.59

Did well dewater? Yes (No) | Amount actually evacuated: 3.6L
Sampling Time: 0725 | Sampling Date: 01-06-10
Sample I.D.: AREA D - MW2 | Laboratory: Calscience
Analyzed for: TPH-G BTEX MTBE TPH-D | Other: See S.O.W.
Equipment Blank I.D.: @ Time | Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 100105-CD1	Client: Geosyntec
Sampler: KC	Start Date: 01-05-10
Well I.D.: BLD102-MW4	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 17.80	Depth to Water: 6.77
Depth to Free Product: ———	Thickness of Free Product (feet): ———
Referenced to: (PVC) Grade	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump | Peristaltic Pump | (Bladder Pump)
Sampling Method: Dedicated Tubing | (New Tubing) | Other ____

Flow Rate: 200 mL/min | Pump Depth: 16.50

Time	Temp. (°C or °F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or (mL))	Depth to Water
0958	———	———	———	Start Purge	———	———	———	
1003	20.31	7.73	16,258	5	0.59	-170.9	1,000	6.81
1006	20.30	7.73	16,548	4	0.44	-172.3	1,600	6.81
1009	20.33	7.73	16,651	3	0.45	-174.0	2,200	6.81
1012	20.41	7.73	16,684	3	0.48	-175.6	2,800	6.81
1015	20.44	7.73	16,698	3	0.55	-180.1	3,400	6.81
1018	20.51	7.71	16,697	3	0.45	-179.1	4,000	6.81

Did well dewater? Yes (No)	Amount actually evacuated: 4,000
Sampling Time: 1020	Sampling Date: 01-07-10
Sample I.D.: (MW) BLD102-MW4	Laboratory: CalScience
Analyzed for: TPH-G BTEX MTBE TPH-D	Other: See SOW
Equipment Blank I.D.: @ Time	Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 100105-C01	Client: Geotracker
Sampler: KC	Start Date: 01-05-10
Well I.D.: BLD102-mw5	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 15.18	Depth to Water: 7.19
Depth to Free Product: ———	Thickness of Free Product (feet): ———
Referenced to: (PVC) Grade	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump | Peristaltic Pump | (Bladder Pump)
Sampling Method: Dedicated Tubing | (New Tubing) | Other ____

Flow Rate: 100 mL/min | Pump Depth: 14.00

Time	Temp. (°C or °F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or (mL))	Depth to Water
1125	———		———	Start Purge	———		———	
1131	15.01	7.59	1992	225	1.83	-36.0	600	7.57
1134	14.79	7.53	1743	218	1.42	-33.1	900	KC 7.85
1137	14.75	7.52	1683	199	1.40	-32.2	1,200	7.88
1140	14.76	7.53	1653	183	1.35	-32.9	1,500	7.93
1143	14.75	7.53	1630	175	1.33	-30.4	1,800	7.97
1146	14.73	7.52	1601	171	1.36	-29.7	2,100	8.00
1149	14.70	7.53	1587	150	1.39	-29.1	2,400	8.02
1152	14.71	7.52	1564	144	1.39	-27.1	2,700	8.03
1155	1483	7.52	1560	141	1.32	-24.9	3,000	8.05
1158	14.92	7.52	KC 14 1547	138	1.27	-22.3	3,300	8.07

Did well dewater? Yes (No)	Amount actually evacuated: 3,300
Sampling Time: 1200	Sampling Date: 01-07-09
Sample I.D.: BLD102-mw5	Laboratory: CalScience
Analyzed for: TPH-G BTEX MTBE TPH-D	Other: See SOW
Equipment Blank I.D.: @ Time	Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 100105-CD1	Client: Geosyntec
Sampler: KC	Start Date: 01-05-10
Well I.D.: BLD102-MW06	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: KLC 15.25	Depth to Water: 6.98
Depth to Free Product: ____	Thickness of Free Product (feet): ____
Referenced to: (PVC) Grade	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump | Peristaltic Pump | (Bladder Pump)
Sampling Method: Dedicated Tubing | (New Tubing) | Other ____

Flow Rate: 100 mL/min | Pump Depth: 14.00

Time	Temp. (°C or °F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or (mL))	Depth to Water
1444	____		____	Start Purge		____	____	
1450	17.29	8.11	1554	31	1.45	-85.7	600	7.21
1453	17.10	8.06	1530	29	1.32	-84.5	900	7.46
1456	16.99	8.04	1521	28	1.32	-83.4	1,200	7.69
1459	16.87	8.03	1525	30	1.33	-90.6	1,500	7.94
1502	16.74	8.01	1516	27	1.33	-108.1	1,800	8.20
1505	16.66	7.98	1513	26	1.35	-124.7	2,100	8.30
1508	16.62	7.96	1520	28	1.36	-141.1	2,400	8.34
1501	16.67	7.92	1547	26	1.29	-150.8	2,700	8.40
1504	16.63	7.91	1536	27	1.31	-156.7	3,000	8.43
1507	16.60	7.91	1541	26	1.30	-159.6	3,300	8.45

Did well dewater? Yes (No) | Amount actually evacuated: 2,700

Sampling Time: 1509 | Sampling Date: 01-06-10

Sample I.D.: BLD102-MW06 | Laboratory: Calscience

Analyzed for: TPH-G BTEX MTBE TPH-D | Other: See SAP

Equipment Blank I.D.: QCEB-4 @ Time 1600 | Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 100105-CD1	Client: Geosyntec
Sampler: KC	Start Date: 01-05-10
Well I.D.: BLD120-MW1	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth: 14.75	Depth to Water: 6.15
Depth to Free Product: ———	Thickness of Free Product (feet): ———
Referenced to: (PVC) Grade	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump | Peristaltic Pump | (Bladder Pump)
Sampling Method: Dedicated Tubing | (New Tubing) | Other ____

Flow Rate: 200 ml/min | Pump Depth: 13.00'

Time	Temp. (°C or °F)	pH	Cond. (mS or (uS))	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or (mL))	Depth to Water
1321	———		———	Start Purge	———		———	
1326	17.90	6.82	4222	30	5.19	-116.2	1,000	6.65
1329	17.85	6.85	4243	31	3.27	-117.3	1,600	6.74
1332	17.88	6.86	4250	32	2.48	-123.8	2,200	6.80
1335	17.91	6.88	4261	31	1.64	-120.6	2,800	6.86
1338	17.92	6.88	4267	32	1.51	-121.4	3,400	6.91
1341	17.93	6.89	4272	32	1.38	-118.6	4,000	6.94

Did well dewater? Yes (No) | Amount actually evacuated: 4,000 ml.

Sampling Time: 1343 | Sampling Date: 01-05-10

Sample I.D.: BLD120-MW1 | Laboratory: Calscience

Analyzed for: TPH-G BTEX MTBE TPH-D | Other: See SOW

Equipment Blank I.D.: @ Time | Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 100105-CD1	Client: Geosyntec
Sampler: KC	Start Date: 01-05-10
Well I.D.: BLD120-mw2	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth: 13.33	Depth to Water: 6.36
Depth to Free Product: ———	Thickness of Free Product (feet): ———
Referenced to: (PVC) Grade	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump | Peristaltic Pump | (Bladder Pump)
Sampling Method: Dedicated Tubing | (New Tubing) | Other ____

Flow Rate: 125 mL/min | Pump Depth: 12.00

Time	Temp. (C or °F)	pH	Cond. (mS or (uS))	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or (mL))	Depth to Water
1150	———	———	———	Start Purge	———	———	———	
1155	21.94	7.21	3907	52	1.70	-184.6	625	6.52
1158	21.60	7.24	3908	51	0.75	-189.0	1,000	6.70
1201	21.64	7.23	3900	47	0.67	-187.6	1,375	6.78
1204	21.59	7.22	3904	45	0.68	-187.5	1,750	6.80
1207	21.58	7.22	3901	45	0.71	-183.9	2125	6.84
1210	21.58	7.22	3898	44	0.73	-182.5	2,500	6.86
~~1213~~ KLC								

Did well dewater? Yes (No) — Amount actually evacuated: 2,500

Sampling Time: 1212 — Sampling Date: 01-06-10

Sample I.D.: BLD120-mw2 — Laboratory: Calscience

Analyzed for: TPH-G BTEX MTBE TPH-D — Other: See SOW

Equipment Blank I.D.: @ Time — Duplicate I.D.: BLD120-mw2 @1212

LOW FLOW WELL MONITORING DATA SHEET

Project #: 100105-CD1	Client: Cambria
Sampler: KC	Start Date: 01-05-10
Well I.D.: BLD120-mw3	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth: 14.35	Depth to Water: 6.36
Depth to Free Product: ———	Thickness of Free Product (feet): ———
Referenced to: (PVC) Grade	Flow Cell Type: YSI 550

Purge Method: 2" Grundfos Pump | Peristaltic Pump | (Bladder Pump)
Sampling Method: Dedicated Tubing | (New Tubing) | Other ____

Flow Rate: 100 ml/min | Pump Depth: 13.00

Time	Temp. (°C or °F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or (mL))	Depth to Water
0926	———			Start Purge ———			———	
0932	20.01	7.05	5404	110	2.34	-136.2	600	6.54
0935	20.21	7.07	5416	112	1.81	-140.1	900	6.62
0938	20.36	7.07	5430	108	1.79	-142.9	1,200	6.71
0941	20.51	7.07	5431	105	1.71	-145.7	1,500	6.82
0944	20.30	7.09	5456	107	1.16	-148.9	1,800	6.88
0947	20.12	7.11	5466	102	1.06	-149.9	2,100	6.92
0950	19.99	7.12	5447	103	0.82	-150.3	2,400	6.95
0953	19.94	7.08	5441	101	0.69	-149.9	2,700	6.99
0956	19.92	7.11	5440	98	0.59	-151.0	3,000	~~6.87~~ 7.04

Did well dewater? Yes (No) | Amount actually evacuated: 3,000

Sampling Time: 0958 | Sampling Date: 01-06-10

Sample I.D.: BLD120-mw3 | Laboratory: Calscience

Analyzed for: TPH-G BTEX MTBE TPH-D | Other: See Sent

Equipment Blank I.D.: @ Time | Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 100105-CD1	Client: Geosyntec
Sampler: KC	Start Date: 01-05-10
Well I.D.: BLD120-MW4	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 14.55	Depth to Water: 4.99
Depth to Free Product: ----	Thickness of Free Product (feet): ----
Referenced to: (PVC) Grade	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump | Peristaltic Pump | (Bladder Pump)
Sampling Method: Dedicated Tubing | (New Tubing) | Other ____

Flow Rate: 200 mL/min | Pump Depth: 13.55

Time	Temp. (°C or °F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or (mL))	Depth to Water
1622	----		----	Start purge	----		----	
1627	22.11	7.24	4839	33	1.32	-123.9	1,000	5.08
1630	22.51	7.24	4862	28	0.85	-134.3	1,600	5.31
1633	22.58	7.24	4868	23	0.79	-140.3	2,200	5.58
1636	22.55	7.24	4859	21	0.82	-142.9	2,800	5.68
1639	22.37	7.23	4843	23	0.78	-142.5	3,400	5.74
1642	22.34	7.23	4839	22	0.71	-142.2	4,000	5.79

Did well dewater? Yes (No) | Amount actually evacuated:

Sampling Time: 1644 | Sampling Date: 01-05-10

Sample I.D.: BLD120-MW4 | Laboratory: Calscience

Analyzed for: TPH-G BTEX MTBE TPH-D | Other: See SOW

Equipment Blank I.D.: QCEB-2 @ Time ~~1750~~ KC 1733 | Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 100105-CD1	Client: Geosyntec
Sampler: KC	Start Date: 01-05-10
Well I.D.: BLD120-MW5	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 15.15	Depth to Water: 5.81
Depth to Free Product: ———	Thickness of Free Product (feet): ———
Referenced to: (PVC) Grade	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump | Peristaltic Pump | (Bladder Pump)
Sampling Method: Dedicated Tubing | (New Tubing) | Other ____

Flow Rate: 200 mL/min | Pump Depth: 14.00

Time	Temp. (°C or °F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or (mL))	Depth to Water
0733	———	———	———	Start Purge	———	———	———	
0738	21.00	7.23	4613	39	0.96	38.5	1,000	5.90
0741	21.56	7.31	4679	31	0.71	-2.4	1,600	6.00
0744	21.99	7.30	4716	24	0.73	-26.9	2,200	6.04
0747	22.20	7.29	4582	23	0.90	-32.7	2,800	6.05
0750	22.12	7.29	4491	23	0.94	-34.1	3,400	6.05
0753	22.05	7.29	4446	24	1.03	-36.7	4,000	6.05

Did well dewater? Yes (No) | Amount actually evacuated: 4,000

Sampling Time: 0755 | Sampling Date: 01-06-10

Sample I.D.: BLD120-MW5 | Laboratory: CalScience

Analyzed for: TPH-G BTEX MTBE TPH-D | Other: See SOW

Equipment Blank I.D.: @ Time | Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 100105-001	Client: Geosyntec
Sampler: KC	Start Date: 01-05-10
Well I.D.: BLD120-mw6	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 14.55	Depth to Water: 6.24
Depth to Free Product: ----	Thickness of Free Product (feet): ----
Referenced to: (PVC) Grade	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump | Peristaltic Pump | ~~Bladder Pump~~

Sampling Method: Dedicated Tubing | (New Tubing) | Other ____

Flow Rate: 200 mL/min | Pump Depth: 13.50

Time	Temp. (°C or °F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water
15	----		----	Start Purge	----	----	----	
1525	22.24	7.34	41666	179	0.49	-166.5	1,000	6.40
1528	21.75	7.35	3773	130	0.56	-165.8	1,600	6.46
1531	21.60	7.30	3320	113	0.66	-160.3	2,200	6.50
1534	21.45	7.28	3210	81	0.61	-162.9	2,800	6.53
1537	21.33	7.27	3127	52	0.58	-165.0	3,400	6.54
1540	21.26	7.26	3091	40	0.62	-165.7	4,000	6.56
1543	21.20	7.26	3062	26	0.64	-166.3	4,600	6.56
1546	21.19	7.26	3048	28	0.68	-166.3	~~RC~~ 5,200	6.57
1549	21.19	7.26	3040	26	0.71	-166.5	5,800	6.57

Did well dewater? Yes (No) | Amount actually evacuated: 5,800

Sampling Time: 1551 | Sampling Date: 01-08-10

Sample I.D.: BLD120-mw6 | Laboratory: Calscience

Analyzed for: ~~TPH-G~~ BTEX MTBE TPH-D | Other: See SOW

Equipment Blank I.D.: QCEB-7 @ Time 1505 | Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 100105-01	Client: Geosyntech
Sampler: CP	Start Date: 01-05-10
Well I.D.: BLD120 - MW7	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 15.05	Depth to Water: 6.66
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	Flow Cell Type: YSI

Purge Method: 2" Grundfos Pump | Peristaltic Pump | (Bladder Pump)
Sampling Method: Dedicated Tubing | (New Tubing) | Other ____
Flow Rate: 200 mL/min | Pump Depth: 14'

1235 Start Purge Time	Temp. (°C or °F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water
1241	24.5	7.2	9321	23	7.3	-107.9	600	6.68
1244	24.1	7.2	9327	19	7.2	-126.8	1200	7.08
1247	24.0	7.2	9300	19	3.8	-125.2	1800	7.10
1250	24.0	7.1	9190	18	2.6	-122.2	2400	7.14
1253	24.0	7.1	9015	17	1.6	-122.3	3000	7.16
1256	24.0	7.1	8994	17	1.5	-125.4	3600	7.19
1259	24.0	7.1	8986	16	1.5	-125.8	4200	7.22

Did well dewater? Yes (No) | Amount actually evacuated: 4.2 L
Sampling Time: 1302 | Sampling Date: 01-05-10
Sample I.D.: BLD120 - MW7 | Laboratory: Calscience
Analyzed for: TPH-G BTEX MTBE TPH-D | Other: See S.O.W.
Equipment Blank I.D.: @ Time | Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: ~~04~~ 100105-CD1	Client: Geosyntech
Sampler: CD	Start Date: 01-05-10
Well I.D.: BLD120-MW8	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 15.22	Depth to Water: 5.99
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	Flow Cell Type: YSI

Purge Method: 2" Grundfos Pump | Peristaltic Pump | (Bladder Pump)
Sampling Method: Dedicated Tubing | (New Tubing) | Other ____

Flow Rate: 200mL/min | Pump Depth: 14'

1333 Start Purge Time	Temp. (°C) or °F)	pH	Cond. (mS or (uS))	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water
1336	22.9	7.0	2446	51	2.3	-127.6	600	6.05
1339	22.1	6.8	2358	47	1.7	-126.1	1200	6.68
1342	21.6	6.8	2336	35	1.0	-128.6	1800	6.70
1345	21.6	6.8	2326	37	1.0	-126.9	2400	6.69
1348	21.6	6.8	2324	34	0.9	-125.6	3000	6.69
1351	21.5	6.8	2319	33	0.9	-126.3	3600	6.69
1354	21.5	6.8	2315	33	0.9	-126.4	4200	6.69

Did well dewater? Yes (No) | Amount actually evacuated: 4.2L

Sampling Time: 1356 | Sampling Date: 01-05-10

Sample I.D.: BLD 120-MW8 | Laboratory: CalScience

Analyzed for: TPH-G BTEX MTBE TPH-D | Other: See S.O.W.

Equipment Blank I.D.: @ Time | Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 100105 - D1	Client: Geosyntech
Sampler: CD	Start Date: 01-05-10
Well I.D.: BID120-MW9	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth: 15.37	Depth to Water: 5.57
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	Flow Cell Type: YSI

Purge Method: 2" Grundfos Pump | Peristaltic Pump | (Bladder Pump)
Sampling Method: Dedicated Tubing | (New Tubing) | Other ___

Flow Rate: 200 mL / min | Pump Depth: 14'

Time (1420 Start Purge)	Temp. (°C or °F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water
1423	21.3	7.0	3830	77	1.5	-147.8	600	5.85
1426	21.1	6.9	3854	66	1.3	-149.3	1200	6.04
1429	20.6	6.9	3876	59	1.0	-149.9	1800	6.10
1432	20.4	6.9	3870	54	1.0	-149.0	2400	6.14
1435	20.4	6.9	3868	52	1.0	-148.7	3000	6.17
1438	20.2	6.9	3865	50	1.1	-147.9	3600	6.21

Did well dewater? Yes (No) | Amount actually evacuated: 3.6L

Sampling Time: 1440 | Sampling Date: 01-05-10

Sample I.D.: BID120-MW9 | Laboratory: Calscience

Analyzed for: TPH-G BTEX MTBE TPH-D | Other: See S.O.W.

Equipment Blank I.D.: @ Time | Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 09 100105-01	Client: Geosyntech
Sampler: CJ	Start Date: 01-05-10
Well I.D.: B1D131-MW1	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth: 14.55	Depth to Water: 6.58
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	Flow Cell Type: YSI

Purge Method: 2" Grundfos Pump | Peristaltic Pump | Bladder Pump
Sampling Method: Dedicated Tubing | ~~New Tubing~~ | Other
Flow Rate: 200 ml | N/A | Pump Depth: 13'

0655 Start Purge Time	Temp. (°C) or °F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water
0658	19.2	7.6	3787	100	1.2	111.2	600	6.53
0701	19.0	7.6	3827	80	0.9	-43.6	1200	6.60
0704	19.3	7.7	3805	64	0.7	-76.7	1800	6.60
0707	19.5	7.7	3670	48	0.7	-94.1	2400	6.60
0710	19.6	7.7	3634	45	0.7	-106.7	3000	6.60
0713	19.7	7.7	3579	44	0.7	-109.9	3600	6.60
0716	19.7	7.7	3559	44	0.7	-110.2	4200	6.60

Did well dewater? Yes (No)	Amount actually evacuated: 4.2L
Sampling Time: 0718	Sampling Date: 01-07-10
Sample I.D.: B1D131-MW1	Laboratory: Calscience
Analyzed for: TPH-G BTEX MTBE TPH-D	Other: See SOW
Equipment Blank I.D.: @ Time	Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 100105-01	Client: Geosyntech
Sampler:	Start Date: 01-05-10
Well I.D.: BLD131-MW2	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth: 14.51	Depth to Water: 6.97
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	Flow Cell Type: YSI

Purge Method: 2" Grundfos Pump | Peristaltic Pump | (Bladder Pump)
Sampling Method: Dedicated Tubing | (New Tubing) | Other ___

Flow Rate: 200 ml/min | Pump Depth: 13'

1330 Time	Temp. (°C or °F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or (mL))	Depth to Water
1333	22.6	7.2	4338	13	1.2	-116.3	600	7.15
1336	22.6	7.2	3520	11	1.0	-119.1	1200	7.05
1339	22.5	7.2	2916	5	0.5	-114.5	1800	7.05
1342	22.4	7.1	2892	4	0.5	-114.3	2400	7.05
1345	22.3	7.1	2877	4	0.5	-114.6	3000	7.05
1348	22.3	7.1	2869	3	0.5	-114.8	3600	7.05

Did well dewater? Yes (No) | Amount actually evacuated: 3.6 L

Sampling Time: 1350 | Sampling Date: 01-05-10

Sample I.D.: BLD131-MW2 | Laboratory: Calscience

Analyzed for: TPH-G BTEX MTBE TPH-D | Other: See SOW

Equipment Blank I.D.: @ Time | Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 160105-C1	Client: Geosyntec
Sampler: CI	Start Date: 01-07-09
Well I.D.: BLD131-MW2D	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth: 40.08	Depth to Water: 7.65
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	Flow Cell Type: YSI

Purge Method: 2" Grundfos Pump | Peristaltic Pump | (Bladder Pump)
Sampling Method: Dedicated Tubing | (New Tubing) | Other ___
Flow Rate: 200mL/min - 160mL/min | Pump Depth: 37.5'

0835 Start Time	Temp. (°C or °F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or (mL))	Depth to Water
0836	21.9	7.2	62.53	66	0.7	-151.0	600	7.85
0841	21.9	7.1	62.90	90	0.5	-142.8	1200	7.95
0844	21.8	7.1	63.08	50	0.6	-139.4	1800	9.00
0847	21.7	7.1	63.07	29	0.5	-137.4	2400	9.40
0850	21.3	7.1	63.04	18	0.4	-137.3	2700	9.47
0853	21.2	7.1	63.03	7	0.4	-139.3	3000	9.50
0856	21.2	7.1	63.01	4	0.4	-140.3	3300	9.54
0859	21.2	7.1	63.00	4	0.4	-141.2	3600	9.58
0902	21.2	7.1	62.98	3	0.4	-141.9	3900	9.69

Did well dewater? Yes (No) | Amount actually evacuated: 3.9L
Sampling Time: 0904 | Sampling Date: 01-07-09
Sample I.D.: BLD131-MW2D | Laboratory: Columbia
Analyzed for: TPH-G BTEX MTBE TPH-D | Other:
Equipment Blank I.D.: @ Time | Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 100105-cd1	Client: Geosyntech
Sampler: CD	Start Date: 01-05-10
Well I.D.: BD131-MW3D	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth: 39.88	Depth to Water: 7.77
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	Flow Cell Type: YSI

Purge Method: 2" Grundfos Pump | Peristaltic Pump | Bladder Pump
Sampling Method: Dedicated Tubing | New Tubing | Other ___
Flow Rate: 200 mL/min | Pump Depth: 37.5

1145 Time	Temp. (C or °F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water
1148	23.3	7.1	60.58	7	1.0	-113.3	600	8.15
1151	23.2	7.0	60.63	5	1.3	-110.3	1200	8.22
1154	23.3	7.0	60.68	4	1.2	-109.0	1800	8.34
1157	23.2	7.0	60.63	4	1.2	-107.6	2400	8.37
1200	23.2	7.0	60.60	3	1.2	-105.9	3000	8.41
1203	23.2	7.0	60.59	3	1.2	-104.0	3600	8.45

Did well dewater? Yes (No)	Amount actually evacuated: 3.6L
Sampling Time: 1205	Sampling Date: ~~12~~ 01-06-10
Sample I.D.: BD131-MW3D	Laboratory: CalScience
Analyzed for: TPH-G BTEX MTBE TPH-D	Other: See SAP
Equipment Blank I.D.: @ Time	Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 100105-01	Client: Geosyntech
Sampler: CA	Start Date: 01-05-10
Well I.D.: BLD131 - MW3	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth: 14.16	Depth to Water: 6.89
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	Flow Cell Type: YSI

Purge Method: 2" Grundfos Pump | Peristaltic Pump | (Bladder Pump)
Sampling Method: Dedicated Tubing | (New Tubing) | Other ___
Flow Rate: 200 mL/min | Pump Depth: 13'

Time	Temp. (°C or °F)	pH	Cond. (mS or (uS))	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or (mL))	Depth to Water
1033	23.4	7.1	4992	18	1.0	-117.8	600	7.10
1036	23.4	7.0	5125	15	0.8	-115.6	1200	7.05
1039	23.0	7.0	5156	15	0.6	-110.8	1800	7.04
1042	23.1	7.0	5146	14	0.6	-112.1	2400	7.04
1045	23.1	7.0	5140	14	0.6	-114.3	3000	7.04
1048	23.1	7.0	5138	14	0.6	-114.9	3600	7.04

Did well dewater? Yes (No) — Amount actually evacuated: 3.6L

Sampling Time: 1050 — Sampling Date: 01-06-09

Sample I.D.: BLD131 - MW3 — Laboratory: Calscience

Analyzed for: TPH-G BTEX MTBE TPH-D — Other: See SOW

Equipment Blank I.D.: @ Time — Duplicate I.D.: BLD131-MW3-B

LOW FLOW WELL MONITORING DATA SHEET

Project #: 100105-CD1	Client: Geosyntec
Sampler: RC	Start Date: 01-05-10
Well I.D.: BLD131-MW04	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 13.70	Depth to Water: 6.65
Depth to Free Product: ———	Thickness of Free Product (feet): ———
Referenced to: (PVC) Grade	Flow Cell Type: YSI 550

Purge Method: 2" Grundfos Pump | Peristaltic Pump | (Bladder Pump)
Sampling Method: Dedicated Tubing | (New Tubing) | Other ____

Flow Rate: 200 mL/min | Pump Depth: 12.50

Time	Temp. (°C or °F)	pH	Cond. (mS or (uS))	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or (mL))	Depth to Water
0830	———	———	———	Start Purge	———	———	———	
0835	21.17	6.99	1595	242	0.59	-49.4	1,000	6.75
0838	21.36	6.99	1604	171	0.52	-51.6	1,600	6.78
0841	21.49	6.99	1610	110	0.70	-58.0	2,200	6.80
0844	21.54	6.99	1612	92	0.61	-61.5	2,800	6.81
0847	21.56	7.00	1612	82	0.52	-66.5	3,400	6.81
0850	21.48	7.01	1614	66	0.48	-75.3	4,000	6.81
0853	21.56	7.03	1613	50	0.44	-79.8	4,600	6.81
0856	21.62	7.05	1612	41	0.40	-86.3	5,200	6.81
0859	21.58	7.06	1610	34	0.39	-89.0	5,800	6.81
0902	21.56	7.07	1609	28	0.39	-90.8	6,400	6.81
0905	21.59	7.09	1607	26	0.39	-93.1	7,00	6.81
0908	21.52	7.13	1608	27	0.38	96.2	7,600	6.81

Did well dewater? Yes (No) | Amount actually evacuated: 7,600

Sampling Time: 0910 | Sampling Date: 01-07-10

Sample I.D.: BLD131-MW04 | Laboratory: Calscience

Analyzed for: TPH-G BTEX MTBE TPH-D | Other: See SCOC

Equipment Blank I.D.: @ Time | Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 100105-001	Client: Geosyntec
Sampler: MC	Start Date: 01-05-10
Well I.D.: BLD131-MW5	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 13.55	Depth to Water: 7.91
Depth to Free Product: ____	Thickness of Free Product (feet): ____
Referenced to: (PVC) Grade	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump | Peristaltic Pump | (Bladder Pump)
Sampling Method: Dedicated Tubing | (New Tubing) | Other ____

Flow Rate: 200 ml/min | Pump Depth: 1300

Time	Temp. (°C or °F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water
0714	____		____	Start Purge	____	____	____	
0719	17.98	7.06	5153	61	1.04	-108.9	1,000	8.00
0722	18.63	7.11	5152	60	0.98	-122.4	1,600	8.02
0725	19.04	7.08	5097	43	1.62	-125.9	2,200	8.02
0728	19.52	7.06	4967	40	1.28	-130.5	2,800	8.02
0731	20.13	7.05	4878	35	0.96	-136.8	3,400	8.02
0734	20.36	7.05	4863	34	0.84	-138.2	4,000	8.02
0737	20.33	7.02	4876	37	0.75	-139.7	4,600	8.02
0740	20.19	7.04	4868	36	0.74	-139.3	5,200	8.02

Did well dewater? Yes (No) | Amount actually evacuated: 5,200

Sampling Time: 0742 | Sampling Date: 01-07-10

Sample I.D.: BLD131-MW5 | Laboratory: Calscience

Analyzed for: TPH-G BTEX MTBE TPH-D | Other: See SOW

Equipment Blank I.D.: @ Time | Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #100105-CD1	Client: Geosyntec
Sampler:	Start Date: 01-05-09
Well I.D.: BLD131-MW6	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth: 15.19	Depth to Water: 7.17
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	Flow Cell Type: YSI

Purge Method: 2" Grundfos Pump | Peristaltic Pump | Bladder Pump
Sampling Method: Dedicated Tubing | New Tubing | Other ___
Flow Rate: 200 mL/min | Pump Depth: 14'

Time (Start Purge: 0936)	Temp. (°C or °F)	pH	Cond. (mS or (uS))	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or (mL))	Depth to Water
0933	23.2	7.4	5123	25	1.2	-108.9	600	7.18
0936	23.3	7.3	5368	22	1.0	-118.7	1200	7.18
0939	23.0	7.3	5520	12	1.0	-131.6	1800	7.18
0942	23.0	7.3	5449	6	0.6	-134.0	2400	7.18
0945	23.0	7.3	5439	4	0.6	-134.1	3000	7.18
0948	23.0	7.3	5442	3	0.6	-135.1	3600	7.18

Did well dewater? Yes (No) | Amount actually evacuated: 3.6L
Sampling Time: 0950 | Sampling Date: 01-06-10
Sample I.D.: BLD131-MW6 | Laboratory: CASchloe
Analyzed for: TPH-G BTEX MTBE TPH-D | Other: Cr 5.0.W.
Equipment Blank I.D.: @ Time | Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 01 100105-01	Client: Geosyntec
Sampler: CD	Start Date: 01-05-09
Well I.D.: BID156-MW1	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth: 15.36	Depth to Water: 6.77
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	Flow Cell Type: YSI

Purge Method: 2" Grundfos Pump | Peristaltic Pump | (Bladder Pump)
Sampling Method: Dedicated Tubing | (New Tubing) | Other ___
Flow Rate: 200 mL/min | Pump Depth: 14

0751 Start Time	Temp. (°C or °F)	pH	Cond. (mS or uS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water
0754	19.9	8.1	1206	13	1.5	-128.1	600	6.81
0757	19.8	8.0	1040	4	0.4	-126.5	1200	6.84
0800	19.6	7.9	993	5	0.4	-127.4	1800	6.84
0803	19.6	7.9	979	4	0.4	-127.9	2400	6.83
0806	19.6	7.9	976	4	0.4	-128.2	3000	6.83
0809	19.6	7.9	975	4	0.4	-127.9	3600	6.83

Did well dewater? Yes (No) | Amount actually evacuated: 3.6L
Sampling Time: 0811 | Sampling Date: 01-07-09 10
Sample I.D.: BID156-MW1 | Laboratory: Calscience
Analyzed for: TPH-G BTEX MTBE TPH-D | Other: (PCB's)
Equipment Blank I.D.: @ Time | Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 100105-001	Client: Geosyntech
Sampler: A	Start Date: 01.05.09
Well I.D.: BID158-MW1	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 14.97	Depth to Water: 6.65
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	Flow Cell Type: YSI

Purge Method: 2" Grundfos Pump | Peristaltic Pump | (Bladder Pump)
Sampling Method: Dedicated Tubing | (New Tubing) | Other ____
Flow Rate: 200 mL / min | Pump Depth: 14'

1200 Start Time	Temp. (°C or °F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or (mL))	Depth to Water
1203	18.3	7.4	13.80	507	2.4	60.6	600	6.71
1206	18.6	7.4	14.73	537	1.3	62.3	1200	6.80
1209	18.6	7.4	15.09	545	0.9	64.1	1800	6.80
1212	18.6	7.4	15.06	537	0.8	64.4	2400	6.80
1215	18.6	7.4	14.83	539	0.8	65.6	3000	6.80
1218	18.5	7.3	14.82	540	0.8	67.0	3600	6.80

Did well dewater? Yes (No) | Amount actually evacuated: 3.6L
Sampling Time: 1220 | Sampling Date: 01-07-09
Sample I.D.: BID158-MW1 | Laboratory: Calscience
Analyzed for: TPH-G BTEX MTBE TPH-D | Other: See Sow
Equipment Blank I.D.: @ Time | Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 100105-CD1	Client: Geosyntech
Sampler: CD	Start Date: 01-05-10
Well I.D.: BLD155-MW2	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth: 16.51	Depth to Water: 6.70
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	Flow Cell Type: YSI

Purge Method: 2" Grundfos Pump | Peristaltic Pump | (Bladder Pump)
Sampling Method: Dedicated Tubing | (New Tubing) | Other ___
Flow Rate: 200 ml/min | Pump Depth: 15'

0938 Stdy Time	Temp. (°C or °F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water
0941	21.6	7.5	9921	>1,000	1.4	-73.7	600	6.75
0944	20.8	7.5	9871	>1,000	0.7	-79.8	1200	6.78
0947	20.7	7.4	9638	837	0.7	-78.9	1800	6.75
0950	20.6	7.4	9355	706	0.6	-77.4	2400	6.75
0953	20.6	7.4	7580	392	0.5	-68.0	3000	6.75
0956	20.7	7.4	6560	280	0.5	-63.0	3600	6.75
0959	20.7	7.2	4555	124	0.5	-48.9	4200	6.75
1002	21.0	7.4	3750	129	0.5	-48.6	4800	6.75
1005	21.0	7.4	3740	127	0.5	-48.5	5400	6.75
1008	21.0	7.4	3732	120	0.5	-48.2	6000	6.75

Did well dewater? Yes (No)	Amount actually evacuated: 6L
Sampling Time: 1010	Sampling Date: 01-07-09
Sample I.D.: BLD155-MW2	Laboratory: Calscience
Analyzed for: TPH-G BTEX MTBE TPH-D	Other: See SOW.
Equipment Blank I.D.: @ Time	Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 100105-CD1	Client: Geosyntec
Sampler: KC	Start Date: ~~10-05-10~~ KC 01-05-10
Well I.D.: BLD180-mw1	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 15.25	Depth to Water: 6.60
Depth to Free Product: ———	Thickness of Free Product (feet): ———
Referenced to: (PVC) Grade	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump | Peristaltic Pump | (Bladder Pump)
Sampling Method: Dedicated Tubing | (New Tubing) | Other ____

Flow Rate: 200 mL/min | Pump Depth: 14.00

Time	Temp. (°C or °F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or (mL))	Depth to Water
1458	———	———	Start purge ———					
1503	22.43	7.33	17,432	>1000	0.64	-110.7	1,000	6.48
1506	22.42	7.35	17,720	>1000	0.47	-124.2	1,600	6.50
1509	22.40	7.35	17,764	>1000	0.53	-126.7	2,200	6.51
1512	22.60	7.36	18,012	760	0.57	-123.7	2,800	6.53
1515	22.65	7.36	18,428	615	0.55	-120.9	3,400	6.53
1518	22.78	7.36	18,383	431	0.71	-129.3	4,000	6.55
1521	22.79	7.36	18,260	260	0.67	-132.4	4,600	6.56
1524	22.79	7.37	18,176	210	0.59	-137.1	5,200	6.56
1527	22.81	7.37	18,081	164	0.54	-140.4	5,800	6.57
1530	22.82	7.37	17,947	130	0.51	-141.6	6,400	6.58
1533	22.79	7.37	17,919	106	0.50	-141.9	7,000	6.58
1536	22.81	7.37	17,902	104	0.49	-142.2	7,600	6.58
1539	22.78	7.37	17,879	99	0.47	-143.0	8,200	6.58

Did well dewater? Yes (No) | Amount actually evacuated: 8,200

Sampling Time: 1541 | Sampling Date: 01-05-10

Sample I.D.: BLD180-mw1 | Laboratory: Calscience

Analyzed for: TPH-G BTEX MTBE TPH-D | Other: See COC

Equipment Blank I.D.: @ Time | Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 100105-CD1	Client: Geosyntec
Sampler: KC	Start Date: 01-05-10
Well I.D.: BLD180-MW2	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 13.35	Depth to Water: 6.76
Depth to Free Product: ———	Thickness of Free Product (feet): ———
Referenced to: (PVC) Grade	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump | Peristaltic Pump | (Bladder Pump)
Sampling Method: Dedicated Tubing | (New Tubing) | Other ____

Flow Rate: ____ ml/min | Pump Depth: 12.00

Time	Temp. (°C or °F)	pH	Cond. (mS or (uS))	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or (mL))	Depth to Water
1303	———		———	Start Purge	———		———	
1308	22.28	7.06	5571	66	1.10	-134.6	1,000	7.06
1311	22.40	7.06	5649	55	0.93	-136.8	1,600	7.08
1314	22.47	7.06	5672	52	0.76	-140.8	2,200	7.08
1317	22.46	7.05	5670	58	0.98	-146.3	2,800	7.08
1320	22.43	7.04	5672	58	9.98	-146.9	3,400	7.08
1323	22.42	7.04	5672	60	1.00	-147.5	4,000	7.08

Did well dewater? Yes (No) | Amount actually evacuated: 4,000

Sampling Time: 1325 | Sampling Date: 01-07-10

Sample I.D.: BLD180-MW2 | Laboratory: Calscience

Analyzed for: TPH-G BTEX MTBE TPH-D | Other: See SAP

Equipment Blank I.D.: @ Time | Duplicate I.D.: BLD180-MW2-8 @1325

LOW FLOW WELL MONITORING DATA SHEET

Project #: 100105-001	Client: GeoSyntec
Sampler: CD	Start Date: 01-05-10
Well I.D.: FMY - MW1	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth: 15.15	Depth to Water: 6.17
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	Flow Cell Type: YSI

Purge Method: 2" Grundfos Pump | Peristaltic Pump | (Bladder Pump)
Sampling Method: Dedicated Tubing | (New Tubing) | Other ___
Flow Rate: 200 mL/min | Pump Depth: 14'

1308 Start Time	Temp. (°C or °F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or (mL))	Depth to Water
1311	24.9	7.2	3768	144	0.5	-138.4	600	6.35
1314	23.8	7.1	3731	131	0.5	-153.9	1200	6.50
1317	23.9	7.1	3723	133	0.4	-156.9	1800	6.61
1320	23.9	7.1	3721	130	0.3	-157.9	2400	6.72
1323	23.9	7.0	3720	129	0.3	-158.2	30000	6.79
1326	23.8	7.0	3722	131	0.3	-158.4	3600	6.88

Did well dewater? Yes (No)	Amount actually evacuated: 3.6 L
Sampling Time: 1329	Sampling Date: 01-07-09
Sample I.D.: FMY - MW1	Laboratory: Calscience
Analyzed for: TPH-G BTEX MTBE TPH-D	Other: See SOW.
Equipment Blank I.D.: @ Time	Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: ~~GT~~ 100105-C01	Client: Geosyntech
Sampler: C	Start Date: 1-05-10
Well I.D.: GT4	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth: 15.66	Depth to Water: 7.04
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	Flow Cell Type: YSI

Purge Method: 2" Grundfos Pump | Peristaltic Pump | (Bladder Pump)
Sampling Method: Dedicated Tubing | (New Tubing) | Other ___
Flow Rate: 200 mL/min | Pump Depth: 14'

1600 Start Time	Temp. (°C or °F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water
1603	20.9	7.2	15.3	12	2.0	-91.3	600	7.08
1606	20.3	7.3	17.1	6	1.6	-103.2	1200	7.10
1609	20.2	7.3	17.7	2	0.9	-111.1	1800	7.14
1612	20.1	7.3	17.7	1	0.7	-123.9	2400	7.14
1615	20.1	7.3	17.6	0	0.7	-125.9	3000	7.15
1618	20.1	7.3	17.6	0	0.7	-127.6	3600	7.15

Did well dewater? Yes (No)	Amount actually evacuated: 3.6L
Sampling Time: 1620	Sampling Date: 01-05-10
Sample I.D.: GT4	Laboratory: Calscience
Analyzed for: TPH-G BTEX MTBE TPH-D	Other: See SAP.
Equipment Blank I.D.: @ Time	Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: ~~1005~~ 10005-01	Client: Geosyntech
Sampler: ~~P2~~ CD	Start Date: 01-05-10
Well I.D.: D2	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth: 14.85	Depth to Water: 6.35
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	Flow Cell Type: ~~T35~~ YSI

Purge Method: 2" Grundfos Pump ~~Peristaltic Pump~~ (Bladder Pump) ~~Other~~

Sampling Method: Dedicated Tubing (New Tubing)

Flow Rate: 200 mL/min Pump Depth: 13.5'

0836 Start purge Time	Temp. (°C or °F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water
0839	16.8	6.4	600	60	1.1	28.7	600	6.52
0842	16.7	6.2	556	6	0.8	42.0	1200	6.68
0845	16.8	6.2	551	4	0.7	42.5	1800	6.70
0848	16.8	6.2	549	4	0.6	42.4	2400	6.71
0851	16.8	6.2	547	3	0.6	43.8	3000	6.73
0854	16.8	6.2	545	3	0.6	42.1	3600	6.74

Did well dewater? Yes (No) Amount actually evacuated: 3.6L

Sampling Time: 0857 Sampling Date: 01-06-10

Sample I.D.: P2 Laboratory: Calscience

Analyzed for: TPH-G BTEX MTBE TPH-D Other: See S.O.W.

Equipment Blank I.D.: @ Time Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 100-105-CD1	Client: Geosyntec
Sampler: KC	Start Date: 01-05-10
Well I.D.: MW-CL-1	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 42.20	Depth to Water: 6.64
Depth to Free Product: ————	Thickness of Free Product (feet): ————
Referenced to: (PVC) Grade	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump | Peristaltic Pump | (Bladder Pump)
Sampling Method: Dedicated Tubing | (New Tubing) | Other ____

Flow Rate: 200 ml/min | Pump Depth: 39.00

Time	Temp. (°C or °F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or (mL))	Depth to Water
0756	————		————	Start Purge	————		————	
0801	19.28	6.85	37,138	8	1.49	-108.0	1,000	6.70
0804	19.40	6.85	37,644	6	1.01	-110.9	1,600	6.80
0807	19.64	6.83	37,662	4	1.38	-120.5	2,200	6.82
0810	20.09	6.82	37,723	4	1.26	-128.8	2,800	6.84
0813	20.19	6.89	37,968	5	0.84	-130.5	3,400	6.84
0816	20.23	6.91	38,039	5	0.78	-134.8	4,000	6.84
0819	20.24	6.95	38,183	4	0.74	-132.9	4,600	6.84
0822	20.29	6.94	38,348	4	0.71	-130.3	5,200	6.84

Did well dewater? Yes (No)	Amount actually evacuated: 5,200
Sampling Time: 0824	Sampling Date: 01-08-10
Sample I.D.: MW-CL-1	Laboratory: Calscience
Analyzed for: TPH-G BTEX MTBE TPH-D	Other: See Sent
Equipment Blank I.D.: @ Time	Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 100105-CD1	Client: Geosyntec
Sampler: MC	Start Date: 01-05-10
Well I.D.: MWCL-2	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 14.20	Depth to Water: 6.46
Depth to Free Product: ———	Thickness of Free Product (feet): ———
Referenced to: (PVC) Grade	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump | Peristaltic Pump | (Bladder Pump)
Sampling Method: Dedicated Tubing | (New Tubing) | Other ____

Flow Rate: 200 ml/min | Pump Depth: 13.00

Time	Temp. (°C or °F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Depth to water ~~Water Removed~~ (~~gals. or~~ (mL))	water removed ml. ~~Depth to Water~~
1440	———			Start Purge	———			
1445	21.65	7.34	19,120	60	1.18	-109.6	6.67	1,000
1448	21.69	7.33	19,467	49	0.55	-113.6	6.69	1,600
1451	21.60	7.34	19,561	70	0.42	-115.6	6.67	2,200
1454	21.45	7.35	19,524	56	0.40	-113.3	6.67	2,800
1457	21.46	7.34	19,463	42	0.44	-112.2	6.67	3,400
1500	21.43	7.34	19,301	35	0.50	-114.9	6.67	4,000
1503	21.33	7.34	19,231	34	0.41	-114.6	6.67	4,600
1506	21.31	7.34	19,131	31	0.35	-115.5	6.67	5,200
1509	21.30	7.34	19,065	32	0.31	-115.3	6.67	5,800

Did well dewater? Yes (No)	Amount actually evacuated: 5,800
Sampling Time: 1511	Sampling Date: 01-07-10
Sample I.D.: MWCL-2	Laboratory: Calscience
Analyzed for: TPH-G BTEX MTBE TPH-D	Other: See Sec
Equipment Blank I.D.: QCEB-6 @ Time 1630	Duplicate I.D.: MWCL-2-B @ 1511

LOW FLOW WELL MONITORING DATA SHEET

Project #: 100105-CD1	Client: Geosyntec
Sampler: KC	Start Date: 01-05-10
Well I.D.: MW-3	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 43.40	Depth to Water: 8.66
Depth to Free Product: ———	Thickness of Free Product (feet): ———
Referenced to: (PVC) Grade	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump | Peristaltic Pump | (Bladder Pump)
Sampling Method: Dedicated Tubing | (New Tubing) | Other ____

Flow Rate: 150 ml/min | Pump Depth: 40.00

Time	Temp. (°C or °F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or (mL))	Depth to Water
0922	———	———	———	Start Purge	———	———	———	
0927	20.85	6.86	74,516	85	2.08	-78.3	750	9.13
0930	20.78	6.89	74,832	79	0.91	-85.9	1,200	9.37
0933	20.89	6.91	74,731	87	0.80	-96.4	1650	9.53
0936	21.11	6.94	74,527	62	0.79	-104.3	2,100	9.72
0939	21.22	6.95	74,348	57	0.62	-114.5	2,550	9.90
0942	21.24	6.95	74,378	56	0.56	-119.4	3,000	10.05
0945	21.31	6.96	74,053	51	0.52	-122.5	3,450	10.11
0948	21.06	6.97	74,136	47	0.50	-123.5	4,350	10.14
0951	21.11	6.98	73,963	49	0.48	-123.1	4,800	10.15

Did well dewater? Yes (No)	Amount actually evacuated: 4,800
Sampling Time: 0953	Sampling Date: 01-08-09
Sample I.D.: MW-3	Laboratory: Calscience
Analyzed for: TPH-G BTEX MTBE TPH-D	Other: See SOW
Equipment Blank I.D.: @ Time	Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 100105-CD1	Client: Cosigntec
Sampler: KC	Start Date: 01-05-10
Well I.D.: MW-4	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: ~~17.66~~ KLC 14.30	Depth to Water: ~~6.77~~ KLC 7.90
Depth to Free Product: ———	Thickness of Free Product (feet): ———
Referenced to: (PVC) Grade	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump | Peristaltic Pump | (Bladder Pump)
Sampling Method: Dedicated Tubing | (New Tubing) | Other ____

Flow Rate: 200 ml/min | Pump Depth: 13.00

Time	Temp. (°C or °F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or (mL))	Depth to Water
1042	———	———	———	Start Purge	———	———	———	
1047	21.55	7.38	3570	31	0.90	-73.0	1,000	8.08
1050	21.55	7.38	2874	23	0.86	-74.1	1,600	8.08
1053	21.52	7.39	2191	13	0.72	-75.0	2,200	8.08
1056	21.47	7.38	2081	9	0.74	-75.1	2,800	8.08
1059	21.52	7.38	1898	10	0.86	-74.0	3,400	8.08
1102	21.55	7.37	1867	9	0.82	-73.8	4,000	8.08
1105	21.60	7.36	1848	8	0.76	-75.7	4,600	8.08
1108	21.58	7.36	1839	8	0.74	-78.3	5,200	8.08

Did well dewater? Yes (No)	Amount actually evacuated: 5,200
Sampling Time: 1110	Sampling Date: 01-08-10
Sample I.D.: MW-4	Laboratory: Calscience
Analyzed for: TPH-G BTEX MTBE TPH-D	Other: See SAP
Equipment Blank I.D.: @ Time	Duplicate I.D.:

SHELL WELL MONITORING DATA SHEET

Project #: 100105-CD1	Site: Geosyntec
Sampler: HC	Date: 01-05-10
Well I.D.: MW GL-5	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth (TD): 42.50	Depth to Water (DTW): 10.03
Depth to Free Product: ———	Thickness of Free Product (feet): ———
Referenced to: (PVC) Grade	D.O. Meter (if req'd): (YSI) HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 15.67	

Purge Method: Bailer; Disposable Bailer; (Positive Air Displacement); Electric Submersible; Waterra; 2" Rediflo pump; Extraction Pump; Other_____

Sampling Method: Bailer; (Disposable Bailer); Extraction Port; Dedicated Tubing; Other:_____

Start Purge: 12 00 **Purge Rate:** 0.8 gpm

5.2 (Gals.) X 3 = 15.6 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
(2")	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	°C Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	mL. ~~Gals.~~ Removed	DTW: Observations
1208	22.59	7.85	69,654	23	6.50	38.7	6.5	38.21
1208	———	———	———	water level @ pump inlet			@ 6.5	38.21
	———	———	———	Slow Recharging			———	
1408	22.81	7.49	68,372	11	4.79	-59.4	———	21.28

Did well dewater? Yes (No) Gallons actually evacuated: 6.5

Sampling Date: 01-08-10 Sampling Time: 1408 Depth to Water: 21.28

Sample I.D.: MW GL-5 Laboratory: (CalScience) Other_____

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other: See Below

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

FB I.D. (if applicable): @ Time Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

LOW FLOW WELL MONITORING DATA SHEET

Project #: 100105-CD1	Client: Geosyntec
Sampler: RC	Start Date: 01-05-10
Well I.D.: MW-CL-6	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 14.90	Depth to Water: 9.75
Depth to Free Product: ____	Thickness of Free Product (feet): ____
Referenced to: (PVC) Grade	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump | Peristaltic Pump | (Bladder Pump)
Sampling Method: Dedicated Tubing | (New Tubing) | Other ____

Flow Rate: 200 mL/min | Pump Depth: 13.50

Time	Temp. (°C or °F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or (mL))	Depth to Water
				Start Purge				
1237	23.07	7.71	5747	19	1.74	-41.8	1,000	9.90
1240	22.70	7.79	5522	13	1.53	-62.2	1,600	9.90
1243	22.39	7.73	5397	9	1.44	-79.1	2,200	9.90
1246	22.22	7.76	5371	6	1.38	-89.4	2,800	9.90
1249	22.18	7.68	5357	5	1.39	-89.9	3,400	9.90
1252	22.11	7.68	5347	5	1.41	-90.8	4,000	9.90

Did well dewater? Yes (No)	Amount actually evacuated: 4,000
Sampling Time: 1254	Sampling Date: 01-08-10
Sample I.D.: MW-CL-6	Laboratory: Calscience
Analyzed for: TPH-G BTEX MTBE TPH-D	Other: See SAP
Equipment Blank I.D.: @ Time	Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 100105-CD1	Client: Geosyntec
Sampler: KC	Start Date: 01-05-10
Well I.D.: MWCL-7	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth: 65.00	Depth to Water: 9.99
Depth to Free Product: ———	Thickness of Free Product (feet): ———
Referenced to: (PVC) Grade	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump | Peristaltic Pump | (Bladder Pump)
Sampling Method: Dedicated Tubing | (New Tubing) | Other ___

Flow Rate: 200 ml/min | Pump Depth: 61.00

Time	Temp. (°C or °F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or (mL))	Depth to Water
1340	———	———	———	Start Purge	———	———	———	
1345	22.26	7.12	75,781	529	1.71	-134.5	1,000	10.50
1348	22.23	7.14	76,752	171	1.11	-140.9	1,600	10.57
1351	22.12	7.15	76,183	162	0.83	-144.1	2,200	10.59
1354	22.04	7.15	77,979	168	0.61	-148.0	2,800	10.59
1357	21.98	7.13	78,108	174	0.64	-146.2	3,400	10.59
1400	21.93	7.12	78,198	171	0.60	-146.5	4,000	10.59

Did well dewater? Yes (No)	Amount actually evacuated: 4,000
Sampling Time: 1402	Sampling Date: 01-08-10
Sample I.D.: MWCL-7	Laboratory: Calscience
Analyzed for: TPH-G BTEX MTBE TPH-D	Other: See Below
Equipment Blank I.D.: @ Time	Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 100105-01	Client: Geosyntech
Sampler: CD	Start Date: 01-05-09
Well I.D.: MWCL-8R	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 12.19	Depth to Water: 7.77
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	Flow Cell Type: YSI

Purge Method: 2" Grundfos Pump | Peristaltic Pump | (Bladder Pump)
Sampling Method: Dedicated Tubing | (New Tubing) | Other: ____

Flow Rate: 200 mL/min | Pump Depth: 11

1430 Time	Temp. (°C or °F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water
1433	20.6	7.2	5528	39	1.7	19.2	600	7.85
1436	20.5	7.1	5571	16	1.7	20.3	1200	7.95
1439	20.3	7.1	5740	15	1.6	21.3	1800	7.85
1442	20.0	7.1	5931	5	0.8	22.3	2400	7.85
1445	19.9	7.1	5956	4	0.8	22.2	3000	7.85
1448	19.8	7.1	5976	3	0.8	22.0	3600	7.85

Did well dewater? Yes (No)	Amount actually evacuated: 3.6L
Sampling Time: 1450	Sampling Date: 01-07-09
Sample I.D.: MWCL-8R	Laboratory: Calscience
Analyzed for: TPH-G BTEX MTBE TPH-D	Other: See SAW.
Equipment Blank I.D.: @ Time	Duplicate I.D.:

WELLHEAD INSPECTION CHECKLIST

Client Geosyntech Date 01-05-09

Site Address 2701 N. Harbor Dr. San Diego

Job Number 100105-01 Technician JD

Well ID	Well Inspected - No Corrective Action Required	WELL IS SECURABLE BY DESIGN (12"or less)	WELL IS CLEARLY MARKED WITH THE WORDS "MONITORING WELL" (12"or less)	Water Bailed From Wellbox	Wellbox Components Cleaned	Cap Replaced	Lock Replaced	Other Action Taken (explain below)	Well Not Inspected (explain below)	Repair Order Submitted
BID120-MW1										X
BID120-MW2										X
BID120-MW3										X
BID120-MW4										X
BID120-MW5										X
BID120-MW6										X
BID120-MW7										
BID120-MW8										
BID120-MW9										
BID131-MW1										
BID131-MW2										
BID131-MW3D										
BID131-MW3										X
BID131-MW3D										X
BID131-MW4										X
BID131-MW5										X
BID131-MW6										

NOTES:

WELLHEAD INSPECTION CHECKLIST

Client Geosyntech Date 01-05-10

Site Address 2701 N. Harbor Dr - San Diego

Job Number 100105-001 Technician Chris Davis

Well ID	Well Inspected - No Corrective Action Required	WELL IS SECURABLE BY DESIGN (12"or less)	WELL IS CLEARLY MARKED WITH THE WORDS "MONITORING WELL" (12"or less)	Water Bailed From Wellbox	Wellbox Components Cleaned	Cap Replaced	Lock Replaced	Other Action Taken (explain below)	Well Not Inspected (explain below)	Repair Order Submitted
BLD150-MW1										X
BLD180-MW2										
BLD102-MW4										X
BLD102-MW5										X
BLD102-MW6										X
BLD156-MW1										
MWCL-1										
MWCL-2										X
MWCL-3										
MWCL-4										X
MWCL-5										X
MWCL-6										
MWCL-7										
MWCL-8R										
~~MW~~ GT4										X
P2										
BLD158-MW1										

NOTES:

WELLHEAD INSPECTION CHECKLIST

Client Geostratech Date 01-05-10

Site Address 2701 N. Harbor Dr. San Diego

Job Number 10005-01 Technician CD

Well ID	Well Inspected - No Corrective Action Required	WELL IS SECURABLE BY DESIGN (12"or less)	WELL IS CLEARLY MARKED WITH THE WORDS "MONITORING WELL" (12"or less)	Water Bailed From Wellbox	Wellbox Components Cleaned	Cap Replaced	Lock Replaced	Other Action Taken (explain below)	Well Not Inspected (explain below)	Repair Order Submitted
BLD 155-MW2										
AREAD-MW1										
AREAD-MW2										
FMY-MW1										

NOTES:

TEST EQUIPMENT CALIBRATION LOG

PROJECT NAME	Geosyntec @ Teledyne Ryan	PROJECT NUMBER	100105-CD1

EQUIPMENT NAME	EQUIPMENT NUMBER	DATE/TIME OF TEST	STANDARDS USED	EQUIPMENT READING	CALIBRATED TO: OR WITHIN 10%:	TEMP.	INITIALS
YSI 556	06F2009 AD	01-05-10 1240	PH — 4,7,10 cond — 3900 orp — 240	4,7,10 3900 240	✓	18.3°C	KLC
			DO%	100 %	✓	17.9°C	KLC
		01-06-10 0550	PH — 4,7,10 cond — 3900 orp — 244	4,7,10 3900 244	✓	24.4	KLC
			DO%	99.8%	✓	13.6°C	KLC
		01-07-10 0540	PH — 4,7,10 cond — 3900 orp — 244	4,7,10 3900 244	✓	15.6°C	KLC
			DO%	98.9 %	✓	15.8	KLC
		01-08-10 0600	PH — 4,7,10 cond — 3900 orp — 241	4,7,10 3900 241	✓	17.0	KLC
			DO%	99.0%	✓	16.8	KLC

TEST EQUIPMENT CALIBRATION LOG

PROJECT NAME Teledyne Ryan w/ Geosyntec | PROJECT NUMBER ~~09~~ 100105-CD1

EQUIPMENT NAME	EQUIPMENT NUMBER	DATE/TIME OF TEST	STANDARDS USED	EQUIPMENT READING	CALIBRATED TO: OR WITHIN 10%:	TEMP.	INITIALS
YSI-556	09B100198	01-05-10 0800	PH-4.0,10.0,7.0 Cond 3900	4.0,7.0,10.0 3900	✓	15.98	CD
↓	↓	↓	ORP 249 DO 100%	249 100%	✓	16°C	CD
YSI-556	09B100198	01-06-10 0648	PH 4.0,7.0,10.0 Cond. 3900	4.0,7.0,10.0 3900	✓	14°C	CD
		↓	ORP 250 DO 100%	250 100%	w 13.93 ✓	13.93	CD
		01-07-10 0630	PH 4.0,7.0,10.0 Cond. 3900	4.0,7.0,10.0 3900	✓	13.78°C	CD
↓	↓	↓	ORP 250 DO 100%	250 100%	✓	14°C	CD

APPENDIX D

PDF Copy of Groundwater Monitoring Report, 1st Quarter 2009, including Laboratory Analytical Data (Compact Disc)