

Prepared for

TDY Industries, Inc
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GROUNDWATER MONITORING REPORT

FIRST QUARTER 2009

2701 North Harbor Drive
San Diego, California



Prepared by

A handwritten signature in blue ink, appearing to read "Chris Lieder", written over a horizontal line.

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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 2009 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 2008 monitoring report (Geosyntec, 2008c) and by the Regional Water Quality Control Board (RWQCB). 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, and Mr. Sam Williams, 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 a 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”.

Groundwater samples were collected from 25 monitor wells during the first quarter 2009 semi-annual sampling event (Table 2, Figure 2). An additional 5 wells were sampled as a part of the ongoing EISB implementation. 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 to evaluate the potential for the 60-inch storm drain to serve as a preferential pathway for constituent transport.

Monitor wells within the Building 131/242 pilot study area were added to the semiannual monitoring program at the conclusion of the 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. B131-MW2D and B131-MW3D are 30-foot deep monitor wells installed adjacent to B131-MW2 and -MW3 respectively. They are used to evaluate the deeper groundwater quality in the pilot study area.

On 24 and 25 March 2008, monitor wells TC4-WNC Deep, TC4-WNC, and TC4-WSC were abandoned during remedial activities to remove LNAPL and petroleum hydrocarbon impacted soil from Area D. LNAPL observed within the excavation was removed over three days of skimming with a vacuum truck. The excavation was then backfilled with clean fill. A new monitor well, Area D – MW1, was installed in the center of the excavation for post remediation monitoring purposes (Figure 2). This well has been added to the routine sampling schedule and is analyzed for volatile organic compounds (VOCs), total petroleum hydrocarbons (TPH), and 1,4-dioxane. Area-D monitor well TC4-EGP was additionally sampled to evaluate potential impacts downgradient from the Area D AOC. Due to poor well condition, TC4-EGP was abandoned following this sampling event. It is recommended to be replaced with a newly constructed monitor well downgradient from Area-D, on the west side of the 54-inch SWCS.

Monitor well B158-MW1 is located in the center of Building 158 to monitor chromium impacts associated with the Building 158 AOC. The well is sampled for total and hexavalent chromium. To monitor downgradient groundwater conditions in the vicinity of Building 158 a newly constructed monitor well is recommended to be installed south of this AOC.

As remediation activities are performed, wells may be recommended for addition or removal from the routine monitoring network, as site conditions dictate. Groundwater monitoring of ongoing enhanced in-situ bioaugmentation areas (Building 166AST/120/121, Former Maintenance Yard, Building 180 AOCs) is being conducted

separately, under individual remedial action monitoring plans. However, overall progress of the EISB programs will be summarized within this report.

1.2 Objective

The objective of this Report is to present the results of the 1st quarter 2009 groundwater monitoring event, and to provide conclusions and recommendations for the ongoing monitoring program based on the results presented herein.

1.3 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 diurnally with tidal variations in the San Diego Bay.

1.4 Modifications to the MRP

The following modifications were made to the MRP during the 1st quarter 2009 monitoring event.

- Monitor well B158-MW1 was added to the MRP and was sampled for total chromium and hexavalent chromium;
- 1,4-dioxane was added to the sampling suite for shallow groundwater monitor wells located in the Building 131/242 pilot study area;
- Dissolved metals was added to the sampling suite for the Convair Lagoon groundwater monitor wells; and
- High resolution PCB analyses were added to the sampling suite for monitor wells MWCL-2, -4, -6, -8, B120-MW2, and B120-MW3 (Table 2).

Recommendations for modifications to the 3rd quarter 2009 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 2009 sampling event. Prior to sampling, groundwater levels were measured in 41 monitor wells at the Site on 14 January 2009 (Table 3, Figure 3). Groundwater samples were collected on 14 - 16 January 2008 in accordance with the recommendations from the Third Quarter 2008 Monitoring Report (Geosyntec, 2007) and in subsequent comments from the RWQCB on 5 January 2009. All monitor wells were sampled using low flow purging and sampling methods in accordance with the MRP. Groundwater sample collection logs are provided in Appendix B.

2.1 Groundwater Elevations and Flow Direction

There are 41 wells at the Site that have surveyed top of casing elevations and are gauged on a semiannual basis (Table 1, Figure 2). Before sampling activities take place, groundwater gauging is performed by two teams within approximately 3 hours during a period of high tide. Groundwater elevations at the Site ranged from a low of 0.89 feet above mean sea level (ft MSL) in monitor well MWCL-5 located in the west portion of Convair Lagoon, to a high of 4.06 ft MSL in monitor well B120-MW8 located in the north-east portion of the Site.

In the Building 131/242 pilot study area, groundwater flows to the southwest with a gradient of 0.0015 feet per foot (ft/ft). In the vicinity of Area D and Building 158, the groundwater gradient is to the south at approximately 0.0013 ft/ft. In the western portion of the Site the groundwater generally flows in a southerly direction with a hydraulic gradient of 0.0028 ft/ft. In the central portion of the Site the groundwater generally flows in a south southwesterly direction with a gradient of 0.0034 ft/ft. In the eastern portion of the Site, groundwater generally flows to the east and southeast with a gradient of 0.0045 ft/ft to 0.006 ft/ft. The groundwater flow gradient increases in the vicinity of Convair Lagoon (Figure 3).

Downward vertical gradients were observed between shallow and deep well pairs B131-MW2 and -MW2D (0.27 ft), B131-MW3 and -MW3D (0.5 ft), MWCL-3 and -4 (0.7 ft), and MWCL-5 and -6 (0.11). An upward vertical gradient was observed between well pairs MWCL-6 and -7 (0.99 ft).

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
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 B.

2.3.1 **Total Petroleum Hydrocarbons**

Petroleum hydrocarbons were detected at trace and low level concentrations in groundwater samples collected from monitor wells AREA D-MW1, B120-MW1, B120-MW2, B120-MW3, MWCL-5, and TC4EGP (Tables 4 and 5). No groundwater samples exceeded the proposed site-specific Risk Based Concentrations (RBCs). No TPH has been detected in B131-MW4 for several monitoring events. It is proposed that TPH be removed from the sampling protocol for this well.

2.3.2 1,4-Dioxane

Groundwater samples were analyzed using EPA method 8270C (M). 1,4-dioxane was significantly detected in monitor wells B120-MW1 (1,000 µg/L), B120-MW3 (380 µg/L), B131-MW3 (200 µg/L), and B131-MW5 (1,400 µg/L) (Table 4). Moderate to low concentrations were observed in B102-MW4, B120-MW2, B120-MW6, B131-MW2, B131-MW6, and MWCL-1 with concentrations ranging from 4.4 µg/L to 24 µg/L. No samples exceeded the proposed site-specific RBCs. No 1,4-Dioxane has been detected in AreaD-MW1 during the past several monitoring events, and only very low levels (4.4 µg/L) have been detected at B102-MW4. It is proposed that 1,4-Dioxane be removed from the sampling protocol for these wells.

2.3.3 Polychlorinated Biphenyls

Groundwater was analyzed for PCB homologs using high resolution method 1668A after laboratory filtration using a 0.45 micron filter to remove suspended particulates. PCBs were detected in all groundwater samples at concentrations ranging from 0.00414 µg/L to 0.586 µg/L in on-site samples, and between 0.0007 µg/L to 0.00484 µg/L in Convair Lagoon samples (Table 4, Table 5). The laboratory method blank also contained a reported 0.0018 µg/L of total PCBs. Samples with PCB results within 5 times the method blank value are deemed to be below the reporting limit.

2.3.4 Volatile Organic Compounds

Cis-1,2-dichloroethene (cis-1,2-DCE), trichloroethene (TCE), tetrachloroethene (PCE), and vinyl chloride (VC) were detected in groundwater samples collected from Building 120 monitor wells B120-MW1, B120-MW2, B120-MW3, and B120-MW6 (Table 4). The distribution and concentration trends of VOCs within these wells indicate that the recently initiated EISB interim action appears to be progressing rapidly (Appendix B). Chlorinated ethenes in the Building 120 area will continue to be monitored to evaluate degradation trends.

Low concentrations of VOCs were also detected in groundwater samples collected from west Convair Lagoon monitor wells MWCL-5 and MWCL-7 (Table 5). All VOCs detected within Convair Lagoon during this sampling event were below RBC and CTR values. If concentrations substantially increase in the future, the potential source will be further investigated. The remaining groundwater samples collected from the off-site sentry wells contained no detectable VOCs.

Trace concentrations of cis-1,2-DCE and benzene were detected below RBC values in BLD120-MW4 and cis-1,2-DCE and chloroform were detected in BLD120-MW5. No other COCs were detected in these monitor wells, which are immediately downgradient of the groundwater VOC impacts observed in the Building 166AST/120/121 area of concern (AOC). VOC concentrations in the former maintenance yard and Building 180 AOCs declined to below RBC values during the 1Q09 sampling event (Appendix B).

2.3.5 Semi-Volatile Organic Compounds

During the First Quarter 2009 sampling event, SVOCs were sampled in the off-site Convair Lagoon wells. Trace detections of bis-2-ethylhexyl phthalate, diethyl phthalate, and di-n-butyl phthalate were observed in four of the Convair Lagoon vicinity monitor wells (MWCL-1, -3, -4, and -5) (Table 5). All SVOCs detected within Convair Lagoon during this sampling event were below RBC and CTR values. These trace level detections will continue to be monitored.

2.3.6 Metals

During the First Quarter 2009 sampling event, metals were sampled in the off-site Convair Lagoon wells. Copper and Nickel were detected at concentrations above the CTRs in the western monitoring cluster (MWCL-6, -7, and -8) and in the 60-inch SWCS backfill well MWCL-8 (Table 5). Nickel, however, was within background groundwater concentrations as presented in the Site Characterization Report (Geosyntec, 2005). A site specific background value was not able to be calculated for copper in groundwater because it was not detected in on-site groundwater samples enough times to statistically calculate a background value. In 152 on-site samples for copper, it has been detected 7 times, representing a detection rate of less than 5%. On-site concentrations have ranged from 0.002 mg/L to 0.019 mg/L. In contrast, copper has been detected in 11 of 13 samples in Convair lagoon wells (an approximate 85% detection rate), with concentrations ranging from 0.00234 mg/L to 0.11 mg/L. Based on the statistical distribution of samples and the detection of higher concentrations of copper in off-site wells, the copper detected in the Convair Lagoon sentry wells does not appear to be Site related.

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.

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. BLD131-MW2, -MW3, and -MW6, have met RBC goals, and contain only low level residual VOC concentrations (Table 4, Appendix A, Appendix B). The groundwater sample from monitor well BLD131-MW5 exceeded RBCs for vinyl chloride (1,400 µg/L). However, continued reduction in both vinyl chloride and total VOC concentrations coupled with high ethene concentrations is a strong indication that complete degradation is occurring. Vinyl chloride concentration is expected to continue to decline in BLD131-MW5 in future groundwater sampling events.

As requested by the RWQCB, deep screened monitor wells (BLD131-MW2D & 3D) were re-sampled to evaluate concentrations of VOCs, dissolved gases, and 1,4-dioxane in deeper groundwater. Only trace VOCs and no 1,4-dioxane were detected in groundwater samples from these wells, which indicates that VOCs were not displaced vertically downward during the EISB injection process (Table 4). It is recommended that these wells be removed from the routine monitoring and reporting program.

2.4.2 Area D Monitoring Results

Monitor well Area D-MW1 was installed following remedial excavation and groundwater/LNAPL extraction activities that took place in the vicinity of Area D. This well was sampled for VOCs, TPH, and 1,4-dioxane. No constituents were identified in excess of RBCs during this sampling event. TPH was detected at a concentration of 5.4 mg/L (Table 4). Acetone was detected at a concentration of 32 µg/L. Acetone is a common laboratory contaminant and was detected at trace concentration. This constituent will be monitored to evaluate if detection was anomalous. 1,4-dioxane was not detected in the groundwater sample collected from AreaD-MW1. This is the second consecutive monitoring event with no detectable 1,4-dioxane. It is recommended that this constituent be removed from the MRP for AreaD-MW1.

Monitor well TC4-EGP is located downgradient from Area D and was sampled for VOCs, TPH, and 1,4-dioxane. Results indicate trace to low level detections of benzene, isopropylbenzene, n-propylbenzene, sec-butylbenzene, and tert-butylbenzene with concentrations ranging between 0.36 ug/L to 3.9 ug/L. No TPH or 1,4-dioxane were detected.

2.4.3 Building 158 Monitoring Results

Monitor well B158-MW1 was installed following interim remedial activities to mitigate chromium impacts to groundwater in Building 158. The monitor well had detections of total chromium and hexavalent chromium (880 mg/L and 700 mg/L respectively) (Table 4). Trends will be evaluated once sufficient data has been collected.

2.4.4 Building 120 Monitoring Results

Significant reductions in total VOC concentrations were observed in monitor wells B120-MW1, -2, -3, -6, -7, -8, and -9 following the implementation of the interim action EISB program in October through December 2008. Based on the data from this initial sampling event following the EISB implementation, rapid progress toward RBC goals appears to be progressing across the treated areas (Table 4). These trends will continue to be tracked during future monitoring events (Appendix A, Appendix B).

2.4.5 Former Maintenance Yard Results

Significant 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 initial sampling event following the EISB implementation, RBC goals have been met in the vicinity of the former maintenance yard (Appendix B).

2.4.6 Building 180 Results

Significant 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 initial sampling event following the EISB implementation, RBC goals have been met in the vicinity of the Building 180 AOC (Appendix B).

2.4.7 Convair Lagoon Monitoring Results

The low levels of VOCs historically detected at the western monitor well cluster (MWCL-5, -6, and -7) have shown a generally decreasing trend (Table 5, Appendix A). All constituents detected within Convair Lagoon during this sampling event were below RBC values. CTR exceedances were observed for Copper and Nickel in the western monitor well cluster MWCL-5, -6, and -7 and the 60-inch SWCS backfill well. Nickel, however, was within background groundwater concentrations.

A site specific background value was not able to be calculated for copper due to infrequent on-site detection. However, based on the statistical distribution of samples and the detection of higher concentrations of copper in off-site wells, the copper detected in the Convair Lagoon sentry wells does not appear to be Site related.

3. CONCLUSIONS AND RECOMMENDATIONS

Groundwater elevations at the Site and near Convair Lagoon ranged from approximately 0.89 to 4.06 ft MSL. Groundwater generally flows in a southerly direction with a hydraulic gradient ranging from 0.0028 to 0.006 ft/ft. The hydraulic gradient appears to increase in the vicinity of Convair Lagoon.

In the 1st quarter 2009 sampling event, monitoring well BLD158-MW1 was added to the monitoring and reporting program, to be analyzed for total and hexavalent chromium concentrations. Monitor wells in the 131/242 AOC (BLD131-MW2, -MW2D, -MW3, -MW3D, -MW5, and -MW6) were additionally sampled for 1,4-dioxane. Dissolved metals were added to the MRP for all Convair Lagoon wells. Monitor wells B120-MW2, B120-MW3, and shallow Convair Lagoon wells MWCL-2, -4, -6, and -8, were sampled for high resolution PCBs.

The highest off-site concentration of cis-1,2-DCE was 0.78 µg/L in the groundwater sample collected from monitor well MWCL-5. Concentrations of cis-1,2-DCE in MWCL-5 continue to decline from previous sampling events. The highest off-site concentration of TCE was 3.6 µg/L detected in the groundwater sample collected from MWCL-7. The current trends indicate that VOC concentrations are decreasing within the Convair Lagoon vicinity wells and are currently below the ESLs. However these wells will continue to be evaluated for VOC trends.

A site specific background value was not able to be calculated for copper in groundwater because it was not detected in on-site groundwater samples enough times to statistically calculate a background value. Based on the statistical distribution of samples, and the detection of higher concentrations of copper in off-site wells, the copper detected in the Convair Lagoon sentry wells does not appear to be Site related.

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.

Groundwater samples collected in the former maintenance yard and Building 180 AOCs were below RBC concentrations during the first quarter 2009 sampling event. Building 166AST/120/121 AOC monitor wells demonstrated marked reductions in VOC concentrations during this first monitoring event following the implementation of the interim EISB action.

It is recommended that downgradient monitor wells be constructed downgradient from Building 158 and Area D AOCs. These wells will be monitored for equivalent constituents as the existing Building 158 and Area D monitor wells, respectively.

Based on two consecutive sampling events without significant detection of COCs, it is proposed to remove B131-MW2D and B131-MW3D from the MRP. Similarly, it is proposed that 1,4-Dioxane be removed from the sampling protocol for AreaD-MW1 and B102-MW4, and that TPH be removed from the sampling protocol for B131-MW4, based on two consecutive sampling events without significant detection.

Time series trends for monitor wells were added to the monitoring and reporting program and will be further evaluated in future reports as more data becomes available to aid in the interpretation of trends of COCs at the Site.

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)
142NC	9.827	5-10*
AREA D-MW1	11.351	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*
BLD-156-MW1	9.263	10-15*
BLD-156-MW3	9.314	10-15*
BLD158-MW1	9.370	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-8	8.900	7-12
P1	10.903	5-15
TC4EEP	10.457	5-10*
TC4EGP	10.318	7-11
TC4EHP	9.851	5-15

MSL - Mean Sea Level

ft toc - feet below top of casing

NS - Not surveyed at time of report

* - Estimated screened interval

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	Dissolved Metals by EPA Method 6010B/7470A	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 ¹	Semi-Annually	X	-	-	X	-	-	X	-	-
MWCL-1	Semi-Annually	X	-	X	X	-	X	X	-	-
MWCL-2	Semi-Annually	X	-	X	X	X	X	X	-	-
MWCL-3	Semi-Annually	X	-	X	X	-	X	X	-	-
MWCL-4	Semi-Annually	X	-	X	X	X	X	X	-	-
MWCL-5	Semi-Annually	X	-	X	X	-	X	X	-	-
MWCL-6	Semi-Annually	X	-	X	X	X	X	X	-	-
MWCL-7	Semi-Annually	X	-	X	X	-	X	X	-	-
MWCL-8	Semi-Annually	X	-	X	X	X	X	X	-	-
BLD102-MW4	Semi-Annually	X	-	-	X	-	-	-	-	-
BLD120-MW1	Semi-Annually	X	X	-	X	-	-	X	X	-
BLD120-MW2	Semi-Annually	X	X	-	X	X	-	X	X	-
BLD120-MW3	Semi-Annually	X	X	-	X	X	-	X	X	-
BLD120-MW4	Semi-Annually	X	X	-	X	-	-	X	X	-
BLD120-MW5	Semi-Annually	X	X	-	X	-	-	X	X	-
BLD120-MW6	Semi-Annually	X	X	-	X	-	-	X	X	-
BLD131-MW2	Semi-Annually	X	X	-	-	-	-	X	X	-
BLD131-MW2D	Single Event	-	-	-	-	-	-	-	-	-
BLD131-MW3	Semi-Annually	X	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	-
BLD158-MW1	Semi-Annually	-	-	-	-	-	-	-	-	X
BLD158-MW2 ¹	Semi-Annually	-	-	-	-	-	-	-	-	X
TC4EGP	Single Event	-	-	-	-	-	-	-	-	-

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 - Sampling will commence in Third Quarter 2009

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

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

New Addition To MRP

New Removal from MRP

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

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
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
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
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
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
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
BLD120-MW7	8.786	1/14/2009	15.05	6.21	2.58
BLD120-MW8	8.941	1/14/2009	15.22	4.88	4.06
BLD120-MW9	8.455	1/14/2009	15.37	4.62	3.84
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
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
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
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

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

Well Number	Top of Casing Elevation (ft MSL)	Date	Depth to Bottom (ft toc)	Depth to Water (ft toc)	Groundwater Elevation (ft MSL)
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
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
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
BLD131-MW6	9.458	7/21/2008	15.19	6.88	2.58
		1/14/2009	15.19	6.88	2.58
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
	1/14/2009	15.25	6.40	1.49	
BLD180-MW2	8.465	1/14/2009	13.35	6.52	1.95
BLD102-MW3	9.685	8/30/2006	17.03	7.35	2.34
		1/8/2007	17.03	7.65	2.04
		8/21/2007	17.03	7.57	2.12
		1/21/2008	17.03	7.29	2.40
		7/21/2008	17.03	7.22	2.47
		1/14/2009	17.03	6.88	2.81
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
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
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
BLD-156-MW3	9.314	8/30/2006	15.30	6.44	2.87
		1/8/2007	15.30	6.70	2.61
		8/21/2007	15.30	6.69	2.62
		1/21/2008	15.30	6.26	3.05
		7/21/2008	15.30	6.41	2.90
		1/14/2009	15.30	6.24	3.07
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

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

Well Number	Top of Casing Elevation (ft MSL)	Date	Depth to Bottom (ft toc)	Depth to Water (ft toc)	Groundwater Elevation (ft MSL)
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
		MWCL-3	9.520	8/30/2006	43.32
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
MWCL-4	9.604			8/30/2006	14.30
		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
		MWCL-5	11.074	8/30/2006	42.44
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
MWCL-6	10.949			8/30/2006	14.85
		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
		MWCL-7	11.150	1/8/2007	65.00
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
MWCL-8	8.900			1/8/2007	12.00
		8/21/2007	12.00	8.02	0.88
		1/21/2008	12.00	6.38	2.52
		7/21/2008	12.00	7.50	1.40
		1/14/2009	12.00	7.51	1.39
		142NC	9.827	8/30/2006	9.64
1/8/2007	9.64			7.40	2.43
8/21/2007	9.64			7.29	2.54
1/21/2008	9.64			7.30	2.53
7/21/2008	9.64			6.93	2.90
1/14/2009	9.64			6.85	2.98
GT4	8.917			8/30/2006	15.66
		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
		P1	10.903	8/30/2006	15.30
1/8/2007	15.30			-	-
8/21/2007	15.30			8.30	2.60
1/21/2008	15.30			7.95	2.95
7/21/2008	15.30			7.92	2.98
1/14/2009	15.30			7.75	3.15
TC4-EEP	10.457			8/30/2006	9.93
		1/8/2007	9.93	7.95	2.51
		8/21/2007	9.93	7.91	2.55
		1/21/2008	9.93	7.53	2.93
		7/21/2008	9.93	7.41	3.05

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

Well Number	Top of Casing Elevation (ft MSL)	Date	Depth to Bottom (ft toc)	Depth to Water (ft toc)	Groundwater Elevation (ft MSL)
		1/14/2009	9.93	7.16	3.30
TC4-EGP	10.318	8/30/2006	9.93	7.51	2.81
		1/8/2007	9.93	7.95	2.37
		8/21/2007	9.93	7.77	2.55
		1/21/2008	9.93	7.37	2.95
		7/21/2008	9.93	7.40	2.92
		1/14/2009	9.93	7.10	3.22
TC4-EHP	9.851	8/30/2006	15.33	7.05	2.80
		1/8/2006	15.33	7.40	2.45
		8/21/2007	15.33	7.34	2.51
		1/21/2008	15.33	6.95	2.90
		7/21/2008	15.33	7.40	2.45
		1/14/2009	15.33	6.68	3.17
B158-MW1	9.370	7/21/2008	14.97	6.60	2.77
		1/14/2009	14.97	6.38	2.99
AreaD-MW1	11.351	7/21/2008	16.69	8.41	2.94
		1/14/2009	16.69	8.25	3.10
FMY-MW1	8.314	1/14/2009	15.15	6.05	2.26

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

Constituent	units		RBC	AreaD-MW1	BLD102-MW4	BLD120-MW1	BLD120-MW2	BLD120-MW3	BLD120-MW4	BLD120-MW5	BLD120-MW6	BLD120-MW7	BLD120-MW8	BLD120-MW9
		Background		1/15/2009	1/15/2009	1/16/2009	1/15/2009	1/15/2009	1/15/2009	1/15/2009	1/16/2009	1/15/2009	1/15/2009	1/15/2009
General Chemistry Parameters														
Carbon, Total Organic	mg/L	NE	NE	NA	NA	900	860	1600	17	4.1	120	740	170	630
Chloride	mg/L	NE	NE	NA	NA	260 D	160 D	280 D	900 D	160 D	260 D	720 D	33 D	170 D
Sulfate	mg/L	NE	NE	NA	NA	2.1	2.9	2.4	9.6	270 D	22 D	2.3	2.0	1.1
Sulfide, Total	mg/L	NE	NE	NA	NA	0.80	0.20	0.50	0.25	ND<0.05	0.70	0.70	0.15	0.30
Nitrate (as N)	mg/L	NE	NE	NA	NA	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.1
Nitrite (as N)	mg/L	NE	NE	NA	NA	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND<0.1	0.068 J	0.026 J	0.033 J
Metals														
Chromium	mg/L	0.03	23000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium, Hexavalent	mg/L	NE	23	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Volatile Organic Compounds														
1,2-Dichlorobenzene	ug/L	NE	NE	ND<1	ND<1	ND<100	ND<10	ND<10	ND<1	ND<1	ND<1	ND<1	ND<2	ND<10
1,3-Dichlorobenzene	ug/L	NE	NE	ND<1	ND<1	ND<100	ND<10	ND<10	ND<1	ND<1	ND<1	ND<1	ND<2	ND<10
1,4-Dichlorobenzene	ug/L	NE	NE	ND<1	ND<1	ND<100	ND<10	ND<10	ND<1	ND<1	ND<1	ND<1	ND<2	ND<10
1,1-Dichloroethane	ug/L	NE	80000	ND<1	ND<1	ND<100	ND<10	ND<10	ND<1	ND<1	2.3	0.50 J	ND<2	18
1,1-Dichloroethene	ug/L	NE	4800	ND<1	ND<1	56 J	ND<10	9.9 J	ND<1	ND<1	1.4	ND<1	5.7	32
1,2,4-Trimethylbenzene	ug/L	NE	1100	ND<1	ND<1	ND<100	ND<10	ND<10	ND<1	ND<1	ND<1	ND<1	ND<2	ND<10
1,3,5-Trimethylbenzene	ug/L	NE	450	ND<1	ND<1	ND<100	ND<10	ND<10	ND<1	ND<1	ND<1	ND<1	ND<2	ND<10
Acetone	ug/L	NE	430000	32 J	ND<50	ND<5000	ND<500	ND<500	ND<50	ND<50	ND<50	36 J	180	ND<500
Benzene	ug/L	NE	1500	ND<0.5	ND<0.5	ND<50	ND<5	ND<5	1.2	ND<0.5	ND<0.5	0.79	ND<1	ND<5
c-1,2-Dichloroethene	ug/L	NE	2400	ND<1	0.56 J	8400	560	740	0.98 J	0.86 J	200 D	3.0	88	2900 D
Chlorobenzene	ug/L	NE	7800	ND<1	ND<1	ND<100	ND<10	ND<10	ND<1	ND<1	ND<1	ND<1	ND<2	ND<10
Chloroethane	ug/L	NE	47000	ND<5	ND<5	ND<500	ND<50	ND<50	ND<5	ND<5	ND<5	ND<5	ND<10	ND<50
Chloroform	ug/L	NE	9900	ND<1	ND<1	ND<100	ND<10	11	ND<1	0.66 J	ND<1	ND<1	ND<2	10 J
Ethane	ug/L	NE	NE	NA	NA	1.76	2.93	3.52	ND<1	ND<1	0.560 J	2.19	0.350 J	2.07
Ethylene	ug/L	NE	NE	NA	NA	89.5	797	53.9	ND<1	ND<1	78.5	103	5.62	35.4
Isopropylbenzene	ug/L	NE	12000	ND<1	ND<1	ND<100	ND<10	ND<10	ND<1	ND<1	ND<1	ND<1	ND<2	ND<10
Methane	ug/L	NE	NE	NA	NA	817	1900	1970	9780	40.5	415	10900	10500	94.1
n-Propylbenzene	ug/L	NE	4400	ND<1	ND<1	ND<100	ND<10	ND<10	ND<1	ND<1	ND<1	ND<1	ND<2	ND<10
o-Xylene	ug/L	NE	44000	ND<1	ND<1	ND<100	ND<10	ND<10	ND<1	ND<1	ND<1	ND<1	ND<2	ND<10
p/m-Xylene	ug/L	NE	44000	ND<1	ND<1	ND<100	ND<10	ND<10	ND<1	ND<1	ND<1	ND<1	ND<2	ND<10
sec-Butylbenzene	ug/L	NE	2800	ND<1	ND<1	ND<100	ND<10	ND<10	ND<1	ND<1	ND<1	ND<1	ND<2	ND<10
t-1,2-Dichloroethene	ug/L	NE	4800	ND<1	ND<1	ND<100	31	8.1 J	ND<1	ND<1	13	2.7	ND<2	11
tert-Butylbenzene	ug/L	NE	2800	ND<1	ND<1	ND<100	ND<10	ND<10	ND<1	ND<1	ND<1	ND<1	ND<2	ND<10
Tetrachloroethene	ug/L	NE	320	ND<1	ND<1	390	260	39	ND<1	ND<1	ND<1	ND<1	2.3	46
Toluene	ug/L	NE	20000	ND<1	ND<1	ND<100	ND<10	ND<10	ND<1	ND<1	ND<1	0.37 J	ND<2	ND<10
Trichloroethene	ug/L	NE	260	ND<1	ND<1	190	27	7.0 J	ND<1	0.53 J	ND<1	ND<1	3.1	31
Vinyl Chloride	ug/L	NE	500	ND<0.5	2.0	400	470	43	ND<0.5	ND<0.5	42	2.3	11	240
Semi Volatile Organic Compounds														
1,4-Dioxane	ug/L	NE	910000	ND<2	4.4	1000 D	24	380	ND<2	ND<2	15	NA	NA	NA
Bis(2-Ethylhexyl) Phthalate	ug/L	NE	23000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Diethyl Phthalate	ug/L	NE	1200000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Di-n-Butyl Phthalate	ug/L	NE	19000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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

Constituent	units		RBC	AreaD-MW1	BLD102-MW4	BLD120-MW1	BLD120-MW2	BLD120-MW3	BLD120-MW4	BLD120-MW5	BLD120-MW6	BLD120-MW7	BLD120-MW8	BLD120-MW9
		Background		1/15/2009	1/15/2009	1/16/2009	1/15/2009	1/15/2009	1/15/2009	1/15/2009	1/16/2009	1/15/2009	1/15/2009	1/15/2009
Organic Acids														
Acetic Acid	mg/L	NE	NE	NA	NA	1100	1200 D	1700 D	20	ND<1	170 D	1200 D	130 D	720 D
Butyric Acid	mg/L	NE	NE	NA	NA	140	130	150	ND<1	ND<1	ND<1	93	32	60
Lactic Acid	mg/L	NE	NE	NA	NA	ND<40	69	ND<5	ND<1	ND<1	ND<1	ND<4	ND<1	13
Propionic Acid	mg/L	NE	NE	NA	NA	270	110	880 D	ND<1	ND<1	20	28	33	210 D
Pyruvic Acid	mg/L	NE	NE	NA	NA	ND<20	ND<2.5	ND<2.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	1.3
Total Petroleum Hydrocarbons														
C7	ug/L	NE	13000	76	-	70	-	9.9	-	-	-	NA	NA	NA
C8	ug/L	NE	13000	140	-	200	-	4.9	-	-	-	NA	NA	NA
C9-C10	ug/L	NE	10000	9.3	-	220	54	270	-	-	-	NA	NA	NA
C11-C12	ug/L	NE	10000	420	-	1200	16	310	-	-	-	NA	NA	NA
C13-C14	ug/L	NE	10000	540	-	870	250	340	-	-	-	NA	NA	NA
C15-C16	ug/L	NE	10000	650	-	150	67	44	-	-	-	NA	NA	NA
C17-C18	ug/L	NE	10000	700	-	62	21	27	-	-	-	NA	NA	NA
C19-C20	ug/L	NE	10000	580	-	540	5.1	-	-	-	-	NA	NA	NA
C21-C22	ug/L	NE	10000	390	-	290	12	27	-	-	-	NA	NA	NA
C23-C24	ug/L	NE	10000	320	-	150	81	77	-	-	-	NA	NA	NA
C25-C28	ug/L	NE	10000	660	-	130	58	210	-	-	-	NA	NA	NA
C29-C32	ug/L	NE	10000	530	-	22	-	-	-	-	-	NA	NA	NA
C33-C36	ug/L	NE	10000	210	-	-	-	-	-	-	-	NA	NA	NA
C37-C40	ug/L	NE	10000	100	-	-	-	-	-	-	-	NA	NA	NA
C41-C44	ug/L	NE	10000	43	-	-	-	-	-	-	-	NA	NA	NA
C6-C44 Total	ug/L	NE	NE	5400	ND<500	3900	560	1300	ND<500	ND<500	ND<500	NA	NA	NA
Polychlorinated Biphenyls														
Total PCBs	ug/L	NE	NE	-	-	-	0.586	0.00594 JB	-	-	-	-	-	-

Notes:

mg/L - Milligrams per liter

µg/L - Micrograms per liter

MDL - Method Detection Limit

RL - Reporting Limit

- Not detected at concentrations greater than or equal to the RL

(MDL not calculated for individual carbon ranges)

ND<0.5 - Not detected at concentrations

greater than or equal to the RL

NA - Constituent Not Analyzed

J - Estimated concentration, below method reporting limit

JB- Estimated concentration within 5x method blank concentration

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

Constituent	units		RBC	BLD131-MW2	BLD131-MW2D	BLD131-MW3	BLD131-MW3D	BLD131-MW4	BLD131-MW5	BLD131-MW6	BLD158-MW1	BLD180-MW2	TC4EGP
		Background		1/14/2009	1/14/2009	1/14/2009	1/14/2009	1/15/2009	1/15/2009	1/16/2009	1/15/2009	1/15/2009	1/16/2009
General Chemistry Parameters													
Carbon, Total Organic	mg/L	NE	NE	24	NA	17	NA	NA	11	7.9	NA	1000	NA
Chloride	mg/L	NE	NE	440 D	NA	440 D	NA	NA	750 D	800 D	NA	640 D	NA
Sulfate	mg/L	NE	NE	4.9	NA	3.0	NA	NA	360 D	9.2	NA	2.0 JD	NA
Sulfide, Total	mg/L	NE	NE	0.40	NA	1.3	NA	NA	0.20	0.40	NA	0.70	NA
Nitrate (as N)	mg/L	NE	NE	ND<0.1	NA	0.47	NA	NA	ND<0.1	ND<0.1	NA	ND<0.2 D	NA
Nitrite (as N)	mg/L	NE	NE	ND<0.1	NA	ND<0.1	NA	NA	ND<0.1	ND<0.1	NA	0.048 JD	NA
Metals													
Chromium	mg/L	0.03	23000	NA	NA	NA	NA	NA	NA	NA	880	NA	NA
Chromium, Hexavalent	mg/L	NE	23	NA	NA	NA	NA	NA	NA	NA	700	NA	NA
Volatile Organic Compounds													
1,2-Dichlorobenzene	ug/L	NE	NE	6.6	ND<1	ND<1	ND<1	ND<1	ND<20	0.84 J	NA	ND<10	ND<1
1,3-Dichlorobenzene	ug/L	NE	NE	0.41 J	ND<1	ND<1	ND<1	ND<1	ND<20	ND<1	NA	ND<10	ND<1
1,4-Dichlorobenzene	ug/L	NE	NE	12	ND<1	2.4	ND<1	ND<1	ND<20	5.2	NA	ND<10	ND<1
1,1-Dichloroethane	ug/L	NE	80000	ND<1	ND<1	ND<1	ND<1	ND<1	ND<20	0.46 J	NA	ND<10	ND<1
1,1-Dichloroethene	ug/L	NE	4800	ND<1	ND<1	ND<1	ND<1	ND<1	ND<20	ND<1	NA	ND<10	ND<1
1,2,4-Trimethylbenzene	ug/L	NE	1100	0.55 J	0.46 J	ND<1	ND<1	ND<1	ND<20	ND<1	NA	ND<10	ND<1
1,3,5-Trimethylbenzene	ug/L	NE	450	0.54 J	ND<1	ND<1	ND<1	ND<1	ND<20	ND<1	NA	ND<10	ND<1
Acetone	ug/L	NE	430000	ND<50	ND<50	ND<50	ND<50	ND<50	ND<1000	ND<50	NA	890	ND<50
Benzene	ug/L	NE	1500	1.4	ND<0.5	2.4	ND<0.5	ND<0.5	11	17	NA	ND<5	1.1
c-1,2-Dichloroethene	ug/L	NE	2400	40	2.5	0.98 J	0.77 J	1.3	ND<20	1.2	NA	ND<10	ND<1
Chlorobenzene	ug/L	NE	7800	2.0	ND<1	ND<1	ND<1	ND<1	ND<20	2.0	NA	ND<10	ND<1
Chloroethane	ug/L	NE	47000	1.6 J	ND<5	ND<5	ND<5	ND<5	ND<100	ND<5	NA	ND<50	ND<5
Chloroform	ug/L	NE	9900	ND<1	ND<1	ND<1	ND<1	ND<1	ND<20	ND<1	NA	3.7 J	ND<1
Ethane	ug/L	NE	NE	1.78	NA	1.50	NA	NA	131	79.7	NA	4.02	NA
Ethylene	ug/L	NE	NE	144	NA	5.86	NA	NA	147	442	NA	17.3	NA
Isopropylbenzene	ug/L	NE	12000	ND<1	ND<1	ND<1	ND<1	ND<1	ND<20	ND<1	NA	ND<10	3.9
Methane	ug/L	NE	NE	2720	NA	3750	NA	NA	7130	3130	NA	992	NA
n-Propylbenzene	ug/L	NE	4400	ND<1	ND<1	ND<1	ND<1	ND<1	ND<20	ND<1	NA	ND<10	3.6
o-Xylene	ug/L	NE	44000	0.44 J	0.31 J	ND<1	ND<1	ND<1	ND<20	ND<1	NA	ND<10	ND<1
p/m-Xylene	ug/L	NE	44000	0.64 J	0.50 J	ND<1	ND<1	ND<1	ND<20	ND<1	NA	ND<10	ND<1
sec-Butylbenzene	ug/L	NE	2800	ND<1	ND<1	ND<1	ND<1	ND<1	ND<20	ND<1	NA	ND<10	0.65 J
t-1,2-Dichloroethene	ug/L	NE	4800	2.2	ND<1	1.1	ND<1	ND<1	14 J	0.77 J	NA	ND<10	ND<1
tert-Butylbenzene	ug/L	NE	2800	ND<1	ND<1	ND<1	ND<1	ND<1	ND<20	ND<1	NA	ND<10	0.36 J
Tetrachloroethene	ug/L	NE	320	ND<1	2.3	ND<1	ND<1	ND<1	ND<20	ND<1	NA	ND<10	ND<1
Toluene	ug/L	NE	20000	0.52 J	ND<1	0.54 J	ND<1	ND<1	ND<20	1.0	NA	ND<10	ND<1
Trichloroethene	ug/L	NE	260	ND<1	1.8	ND<1	2.8	ND<1	ND<20	ND<1	NA	ND<10	ND<1
Vinyl Chloride	ug/L	NE	500	98	ND<0.5	1.0	ND<0.5	0.85	1400	12	NA	16	ND<0.5
Semi Volatile Organic Compounds													
1,4-Dioxane	ug/L	NE	910000	16	ND<2	200	ND<2	ND<2	1400	19	NA	NA	ND<2
Bis(2-Ethylhexyl) Phthalate	ug/L	NE	23000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Diethyl Phthalate	ug/L	NE	1200000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Di-n-Butyl Phthalate	ug/L	NE	19000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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

Constituent	units		RBC	BLD131-MW2	BLD131-MW2D	BLD131-MW3	BLD131-MW3D	BLD131-MW4	BLD131-MW5	BLD131-MW6	BLD158-MW1	BLD180-MW2	TC4EGP
		Background		1/14/2009	1/14/2009	1/14/2009	1/14/2009	1/15/2009	1/15/2009	1/16/2009	1/15/2009	1/15/2009	1/16/2009
Organic Acids													
Acetic Acid	mg/L	NE	NE	11	NA	ND<1	NA	NA	ND<1	ND<1	NA	1300 D	NA
Butyric Acid	mg/L	NE	NE	ND<1	NA	ND<1	NA	NA	ND<1	ND<1	NA	130	NA
Lactic Acid	mg/L	NE	NE	ND<1	NA	ND<1	NA	NA	ND<1	ND<1	NA	ND<5	NA
Propionic Acid	mg/L	NE	NE	ND<1	NA	ND<1	NA	NA	ND<1	ND<1	NA	270 D	NA
Pyruvic Acid	mg/L	NE	NE	ND<0.5	NA	ND<0.5	NA	NA	ND<0.5	ND<0.5	NA	4.4	NA
Total Petroleum Hydrocarbons													
C7	ug/L	NE	13000	NA	NA	NA	NA	-	NA	NA	NA	NA	-
C8	ug/L	NE		NA	NA	NA	NA	-	NA	NA	NA	NA	NA
C9-C10	ug/L	NE	10000	NA	NA	NA	NA	-	NA	NA	NA	NA	63
C11-C12	ug/L	NE		NA	NA	NA	NA	-	NA	NA	NA	NA	75
C13-C14	ug/L	NE		NA	NA	NA	NA	-	NA	NA	NA	NA	72
C15-C16	ug/L	NE		NA	NA	NA	NA	-	NA	NA	NA	NA	54
C17-C18	ug/L	NE		NA	NA	NA	NA	-	NA	NA	NA	NA	24
C19-C20	ug/L	NE		NA	NA	NA	NA	-	NA	NA	NA	NA	3.9
C21-C22	ug/L	NE	10000	NA	NA	NA	NA	-	NA	NA	NA	NA	-
C23-C24	ug/L	NE		NA	NA	NA	NA	-	NA	NA	NA	NA	-
C25-C28	ug/L	NE		NA	NA	NA	NA	-	NA	NA	NA	NA	-
C29-C32	ug/L	NE		NA	NA	NA	NA	-	NA	NA	NA	NA	-
C33-C36	ug/L	NE		NA	NA	NA	NA	-	NA	NA	NA	NA	-
C37-C40	ug/L	NE		NA	NA	NA	NA	-	NA	NA	NA	NA	-
C41-C44	ug/L	NE	NA	NA	NA	NA	-	NA	NA	NA	NA	NA	-
C6-C44 Total	ug/L	NE	NE	NA	NA	NA	NA	ND<500	NA	NA	NA	NA	ND<500
Polychlorinated Biphenyls													
Total PCBs	ug/L	NE	NE	-	-	-	-	-	-	-	-	-	-

Notes:

mg/L - Milligrams per liter

ug/L - Micrograms per liter

MDL - Method Detection Limit

RL - Reporting Limit

- Not detected at concentrations greater than or equal to the RL

(MDL not calculated for individual carbon ranges)

ND<0.5 - Not detected at concentrations

greater than or equal to the RL

NA - Constituent Not Analyzed

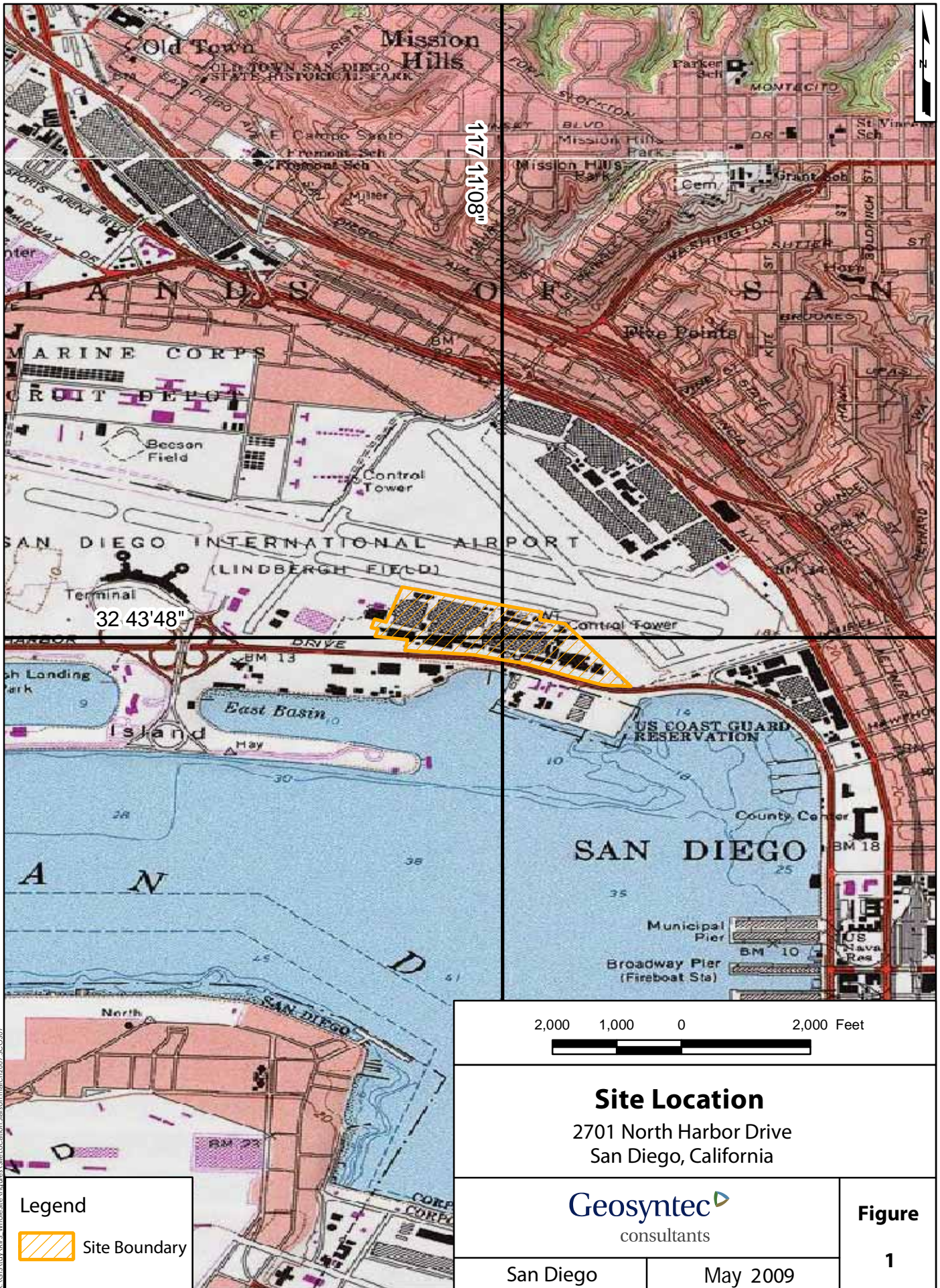
J - Estimated concentration, below method reporting limit

JB- Estimated concentration within 5x method blank concentra

Table 5
Summary of Detected Constituents in Off-Site Wells
2701 North Harbor Drive
San Diego, California

Constituent	units	Background	RBC	MWCL-1	MWCL-2	MWCL-3	MWCL-4	MWCL-5	MWCL-6	MWCL-7	MWCL-8
				1/16/2009	1/16/2009	1/16/2009*	1/16/2009	1/16/2009*	1/16/2009*	1/16/2009*	1/16/2009*
Metals											
Antimony	mg/L	NE	6.2	0.00220 J	ND<0.00209	0.00658 J	ND<0.00209	ND<0.00209	ND<0.00209	ND<0.00209	ND<0.00209
Barium	mg/L	0.49	1100	0.0472	0.109	0.0518	0.0487	0.0557	0.0405	0.0539	0.0321
Beryllium	mg/L	NE	31	ND<0.00176	0.000509 J	ND<0.000176	ND<0.000176	ND<0.000176	ND<0.000176	ND<0.000176	ND<0.000176
Cadmium	mg/L	NE	7700	ND<0.000350	ND<0.000350	0.000858 J	ND<0.000350	0.000516 J	0.000350 J	0.00101 J	0.00200 J
Chromium	mg/L	0.03	23000	ND<0.000350	ND<0.000350	ND<0.000350	ND<0.000350	ND<0.000350	ND<0.000350	ND<0.000350	0.0316
Cobalt	mg/L	0.04	310	ND<0.000696	ND<0.000696	ND<0.000696	ND<0.000696	0.00101 J	ND<0.000696	0.0265	ND<0.000696
Copper	mg/L	NE	620	ND<0.00134	0.00234 J	0.00299 J	ND<0.00134	0.0101	0.00327 J	0.00562	0.11
Mercury	mg/L	NE	4.6	ND<0.0000177	ND<0.0000177	ND<0.0000177	0.0000242 J	ND<0.0000177	ND<0.0000177	ND<0.0000177	ND<0.0000177
Molybdenum	mg/L	0.046	77	0.00286 J	0.00209 J	ND<0.000800	0.00220 J	ND<0.000800	ND<0.000800	ND<0.000800	ND<0.000800
Nickel	mg/L	0.1	1500	ND<0.00137	ND<0.00137	0.00705	ND<0.00137	0.0085	0.00369 J	0.0129	0.733
Selenium	mg/L	0.63	77	0.00529 J	ND<0.00295	0.0282	ND<0.00295	0.0189	0.00468 J	0.0234	0.0186
Thallium	mg/L	NE	1000	ND<0.00233	ND<0.00233	ND<0.00233	ND<0.00233	ND<0.00233	ND<0.00233	0.00240 J	ND<0.00233
Vanadium	mg/L	0.076	15	0.00354 J	ND<0.000314	ND<0.000314	0.00350 J	0.00263 J,B	0.00245 J,B	ND<0.000314	ND<0.000314
Zinc	mg/L	0.069	7700	0.00213 J	0.00962 J	0.0069	0.00270 J	0.0592	0.027	0.0684	0.0454
Volatile Organic Compounds											
1,2-Dichlorobenzene	ug/L	NE	NE	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1
1,3-Dichlorobenzene	ug/L	NE	NE	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1
1,4-Dichlorobenzene	ug/L	NE	NE	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1
1,1-Dichloroethane	ug/L	NE	80000	0.42 J	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1
1,1-Dichloroethene	ug/L	NE	4800	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1
1,2,4-Trimethylbenzene	ug/L	NE	1100	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1
1,3,5-Trimethylbenzene	ug/L	NE	450	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1
Acetone	ug/L	NE	430000	ND<50	ND<50	ND<50	ND<50	ND<50	ND<50	ND<50	ND<50
Benzene	ug/L	NE	1500	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5
c-1,2-Dichloroethene	ug/L	NE	2400	ND<1	ND<1	ND<1	ND<1	0.78 J	ND<1	ND<1	ND<1
Chlorobenzene	ug/L	NE	7800	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1
Chloroethane	ug/L	NE	47000	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5
Chloroform	ug/L	NE	9900	0.46 J	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1
Isopropylbenzene	ug/L	NE	12000	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1
n-Propylbenzene	ug/L	NE	4400	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1
o-Xylene	ug/L	NE	44000	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1
p/m-Xylene	ug/L	NE	44000	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1
sec-Butylbenzene	ug/L	NE	2800	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1
t-1,2-Dichloroethene	ug/L	NE	4800	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1
tert-Butylbenzene	ug/L	NE	2800	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1
Tetrachloroethene	ug/L	NE	320	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1
Toluene	ug/L	NE	20000	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1
Trichloroethene	ug/L	NE	260	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	3.6	ND<1
Vinyl Chloride	ug/L	NE	500	1.1	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5

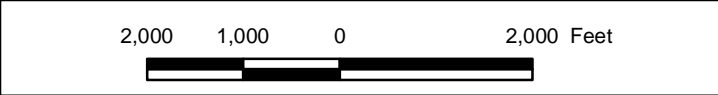
FIGURES



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Legend

 Site Boundary



Site Location
 2701 North Harbor Drive
 San Diego, California

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 consultants

San Diego

Figure
 1

May 2009



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Legend

- Groundwater Monitor Well
- Site Boundary

200 100 0 200 Feet

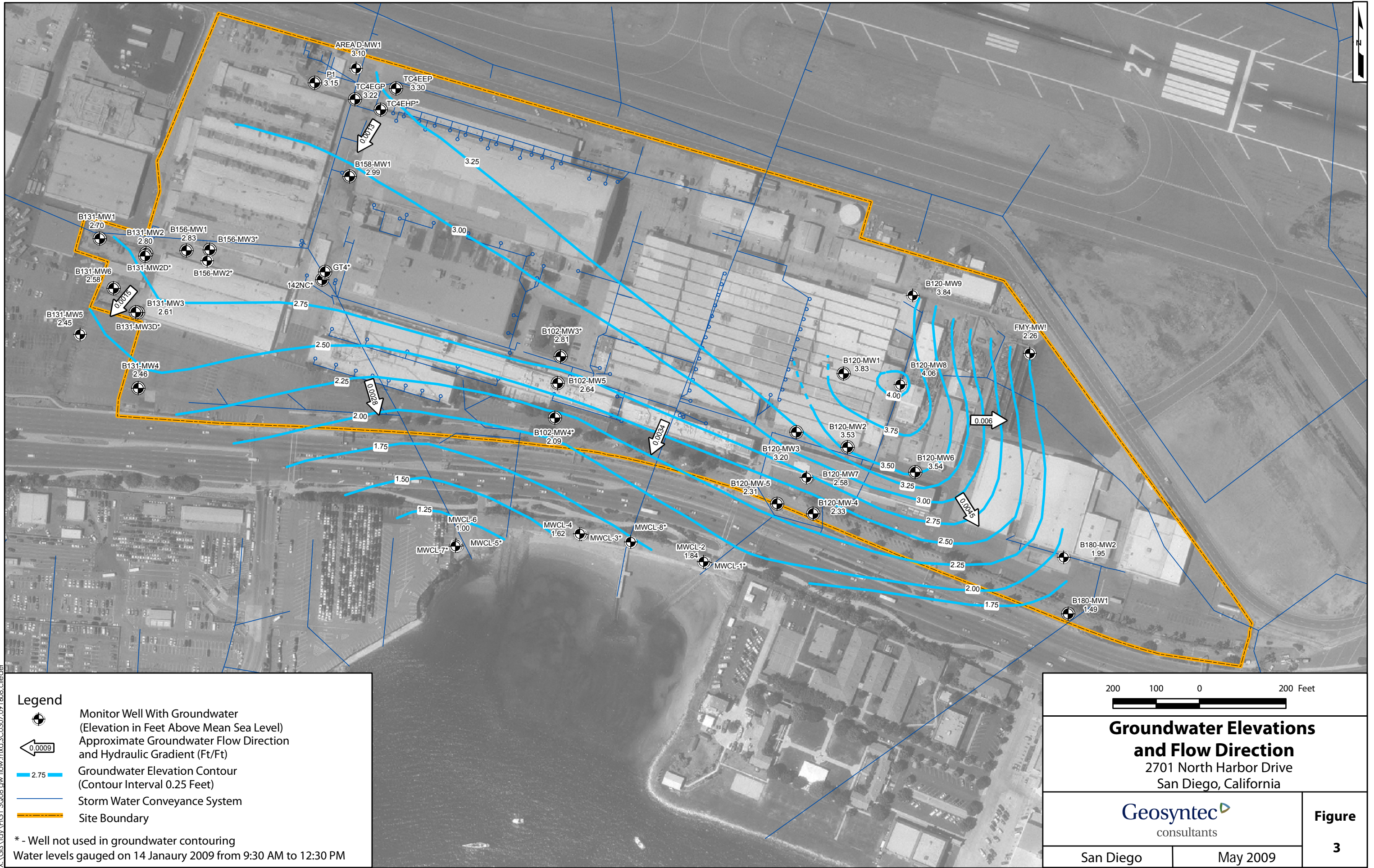
Groundwater Monitor Well Locations

2701 North Harbor Drive
San Diego, California






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San Diego May 2009

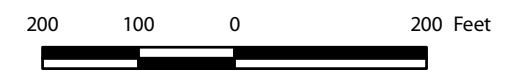
Figure
2



Legend

-  Monitor Well With Groundwater
(Elevation in Feet Above Mean Sea Level)
-  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 14 January 2009 from 9:30 AM to 12:30 PM



**Groundwater Elevations
and Flow Direction**
 2701 North Harbor Drive
 San Diego, California

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 consultants

Figure

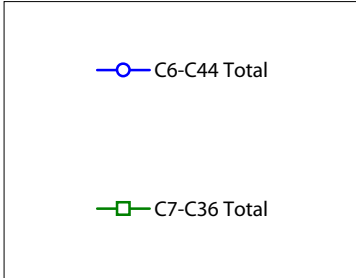
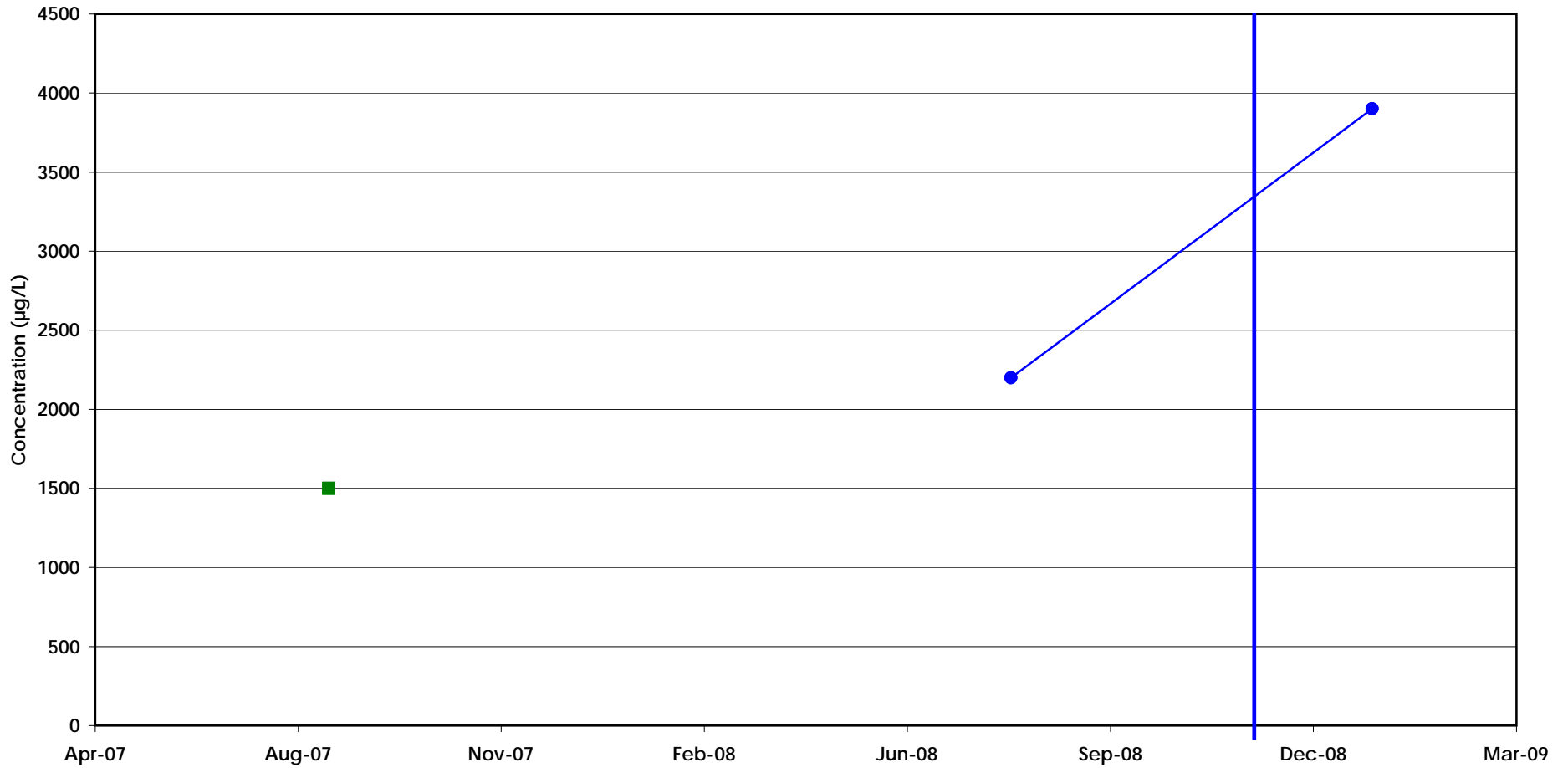
3


San Diego

May 2009

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APPENDIX A
MRP Time Series Plots



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

Monitor Well BLD120-MW1 Time-Series Graph for TPH
 2701 North Harbor Drive
 San Diego, California

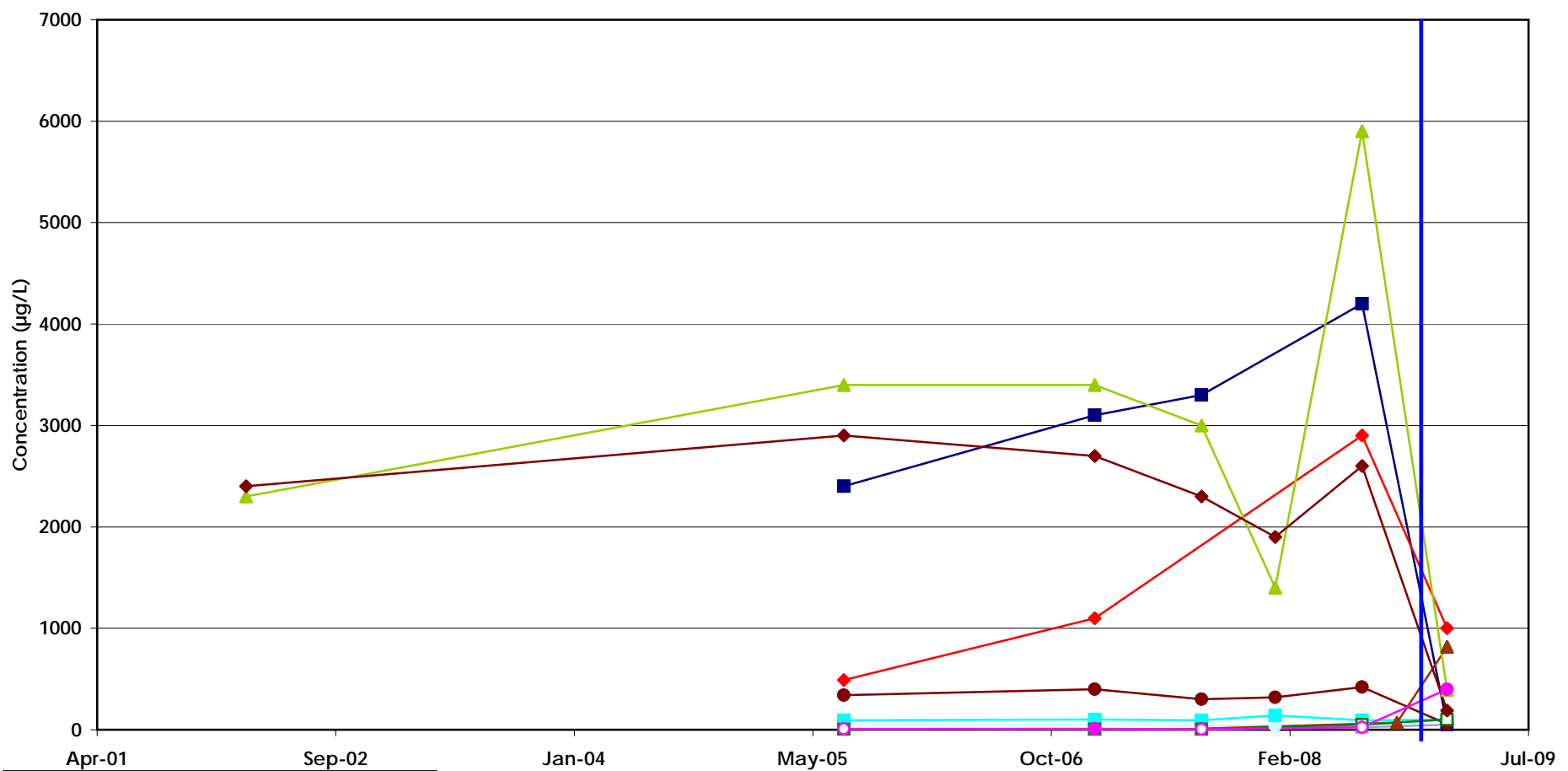


Figure
A-1

San Diego

May 2009

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- 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
- △ Methane
- △ Tetrachloroethene (PCE)
- 1,1,2-Trichloroethane
- ◇ Trichloroethene (TCE)
- Vinyl chloride

— EISB Implementation

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

Monitor Well BLD120-MW1 Time-Series Graph for VOCs
 2701 North Harbor Drive
 San Diego, California

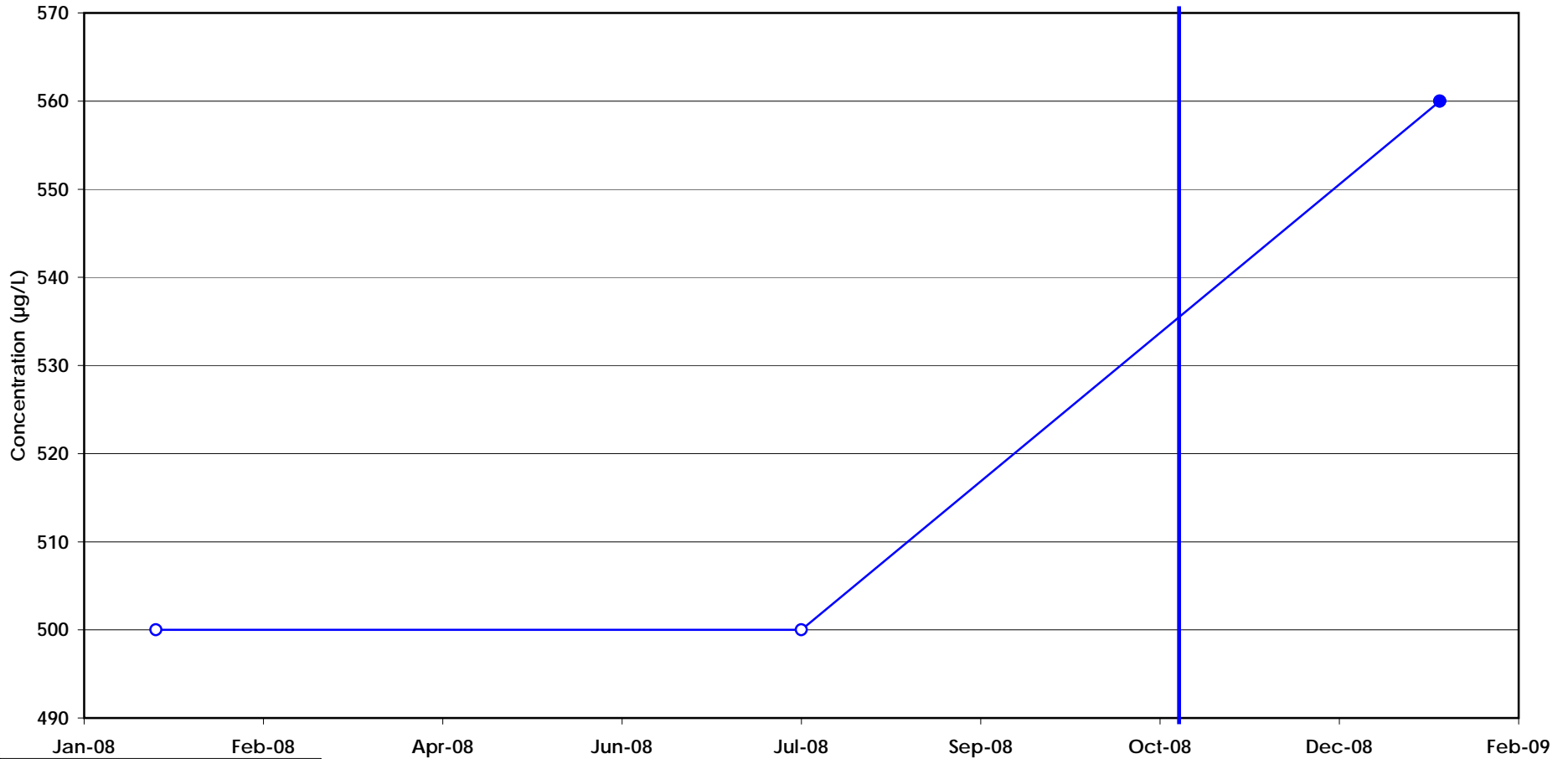


Figure

A-2

San Diego

May 2009



○ C6-C44 Total

— EISB Implementation

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



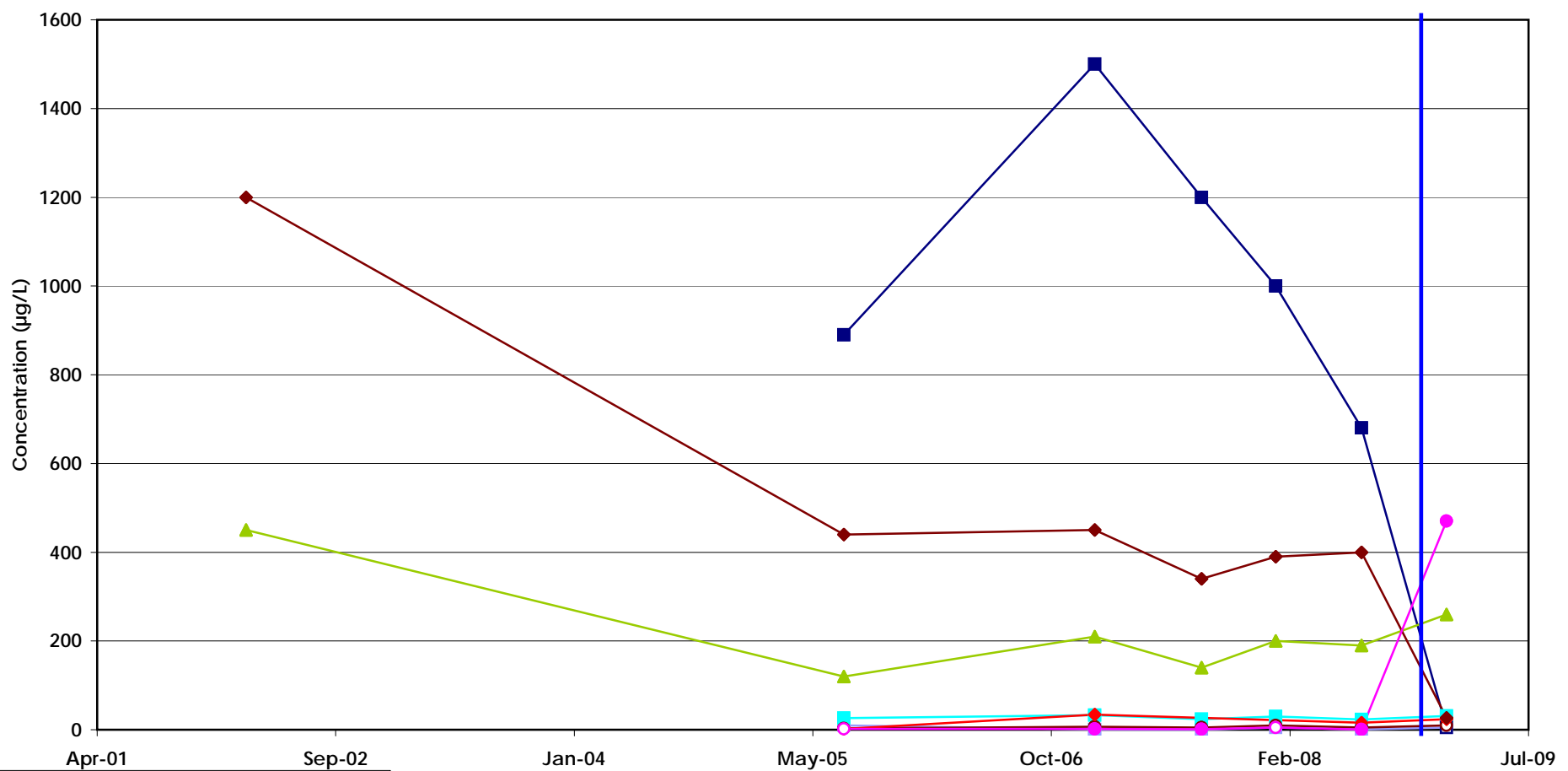
Figure

A-3

San Diego

May 2009

C:\Project\TDV\TDV_5_6_2009\fig\Plot_SVOCs_MMCL-8



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

— EISB Implementation

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

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

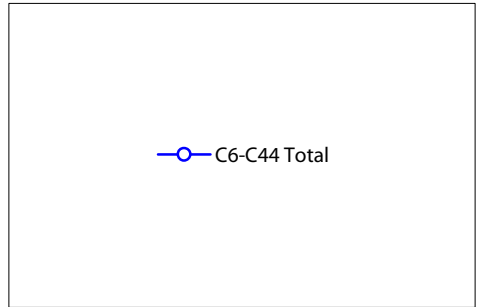
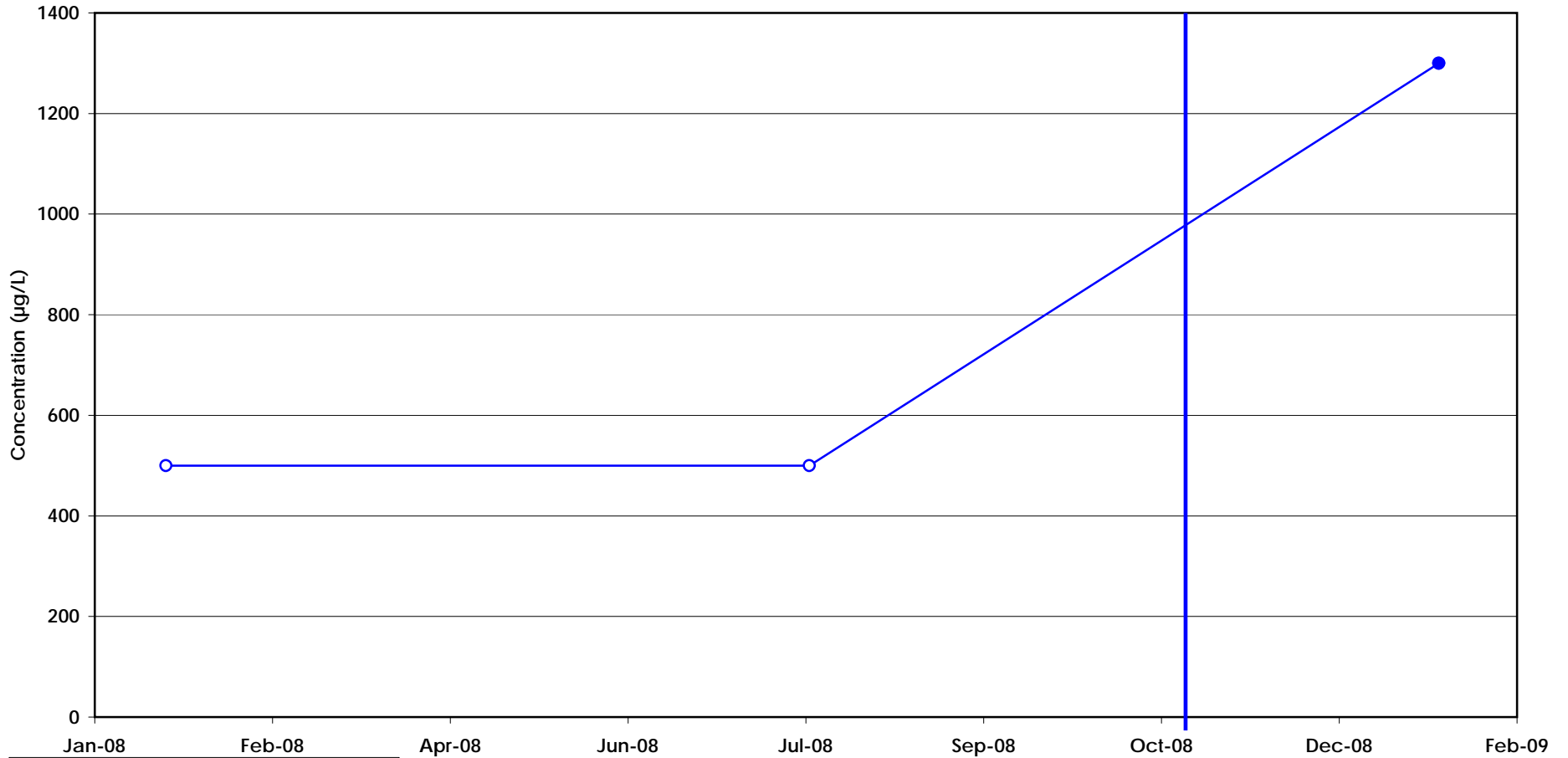


Figure

A-4

San Diego

May 2009



— EISB Implementation

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

Monitor Well BLD120-MW3 Time-Series Graph for TPH

2701 North Harbor Drive
San Diego, California



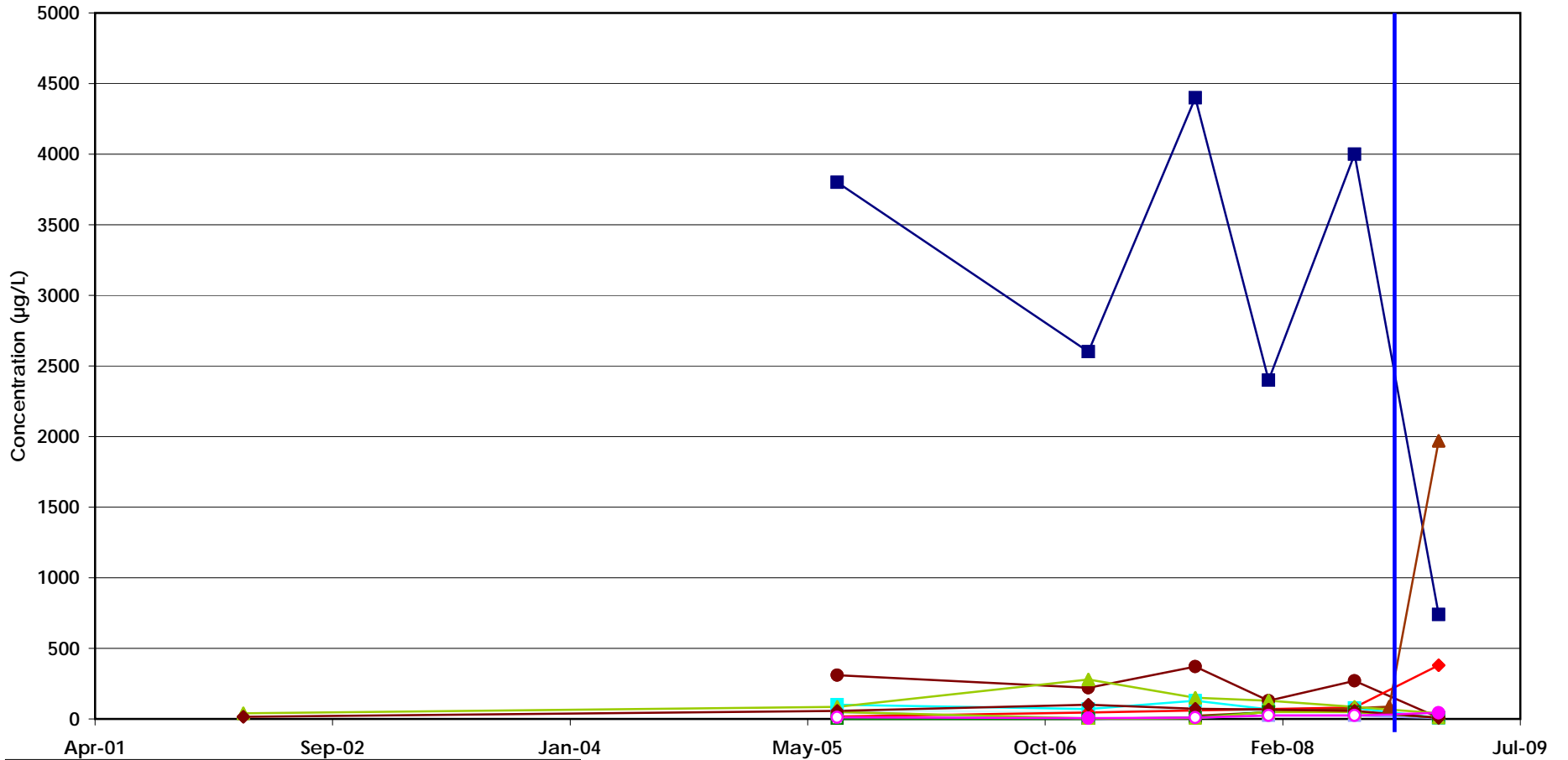
Figure

A-5

San Diego

May 2009

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

— EISB Implementation

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

Monitor Well BLD120-MW3 Time-Series Graph for VOCs
 2701 North Harbor Drive
 San Diego, California

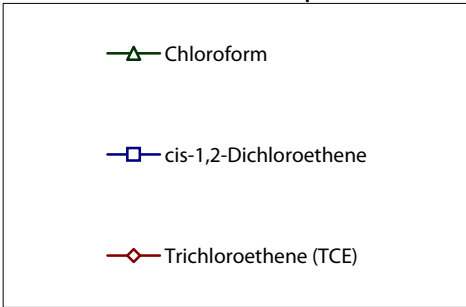
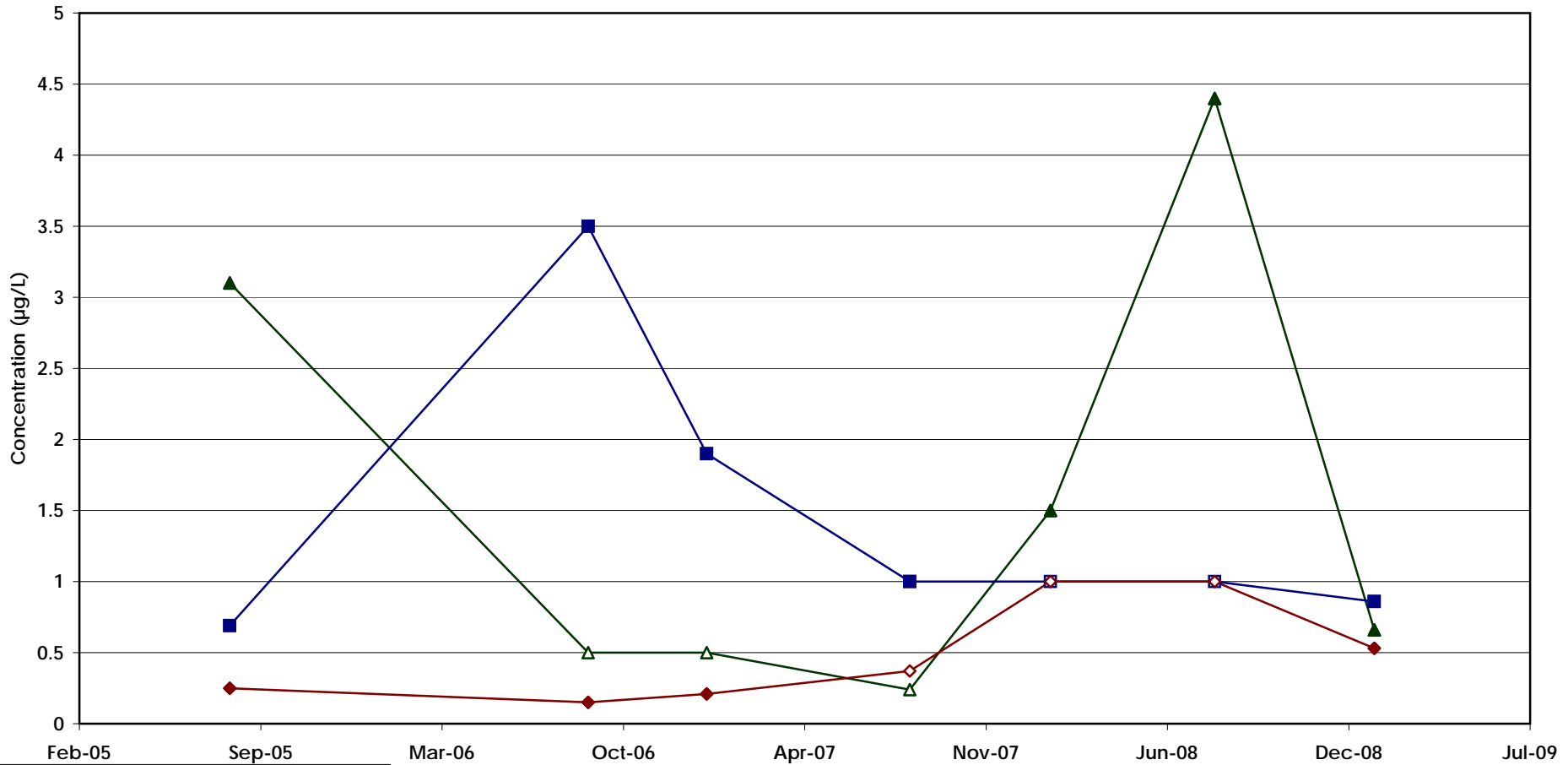


Figure

A-6

San Diego

May 2009



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

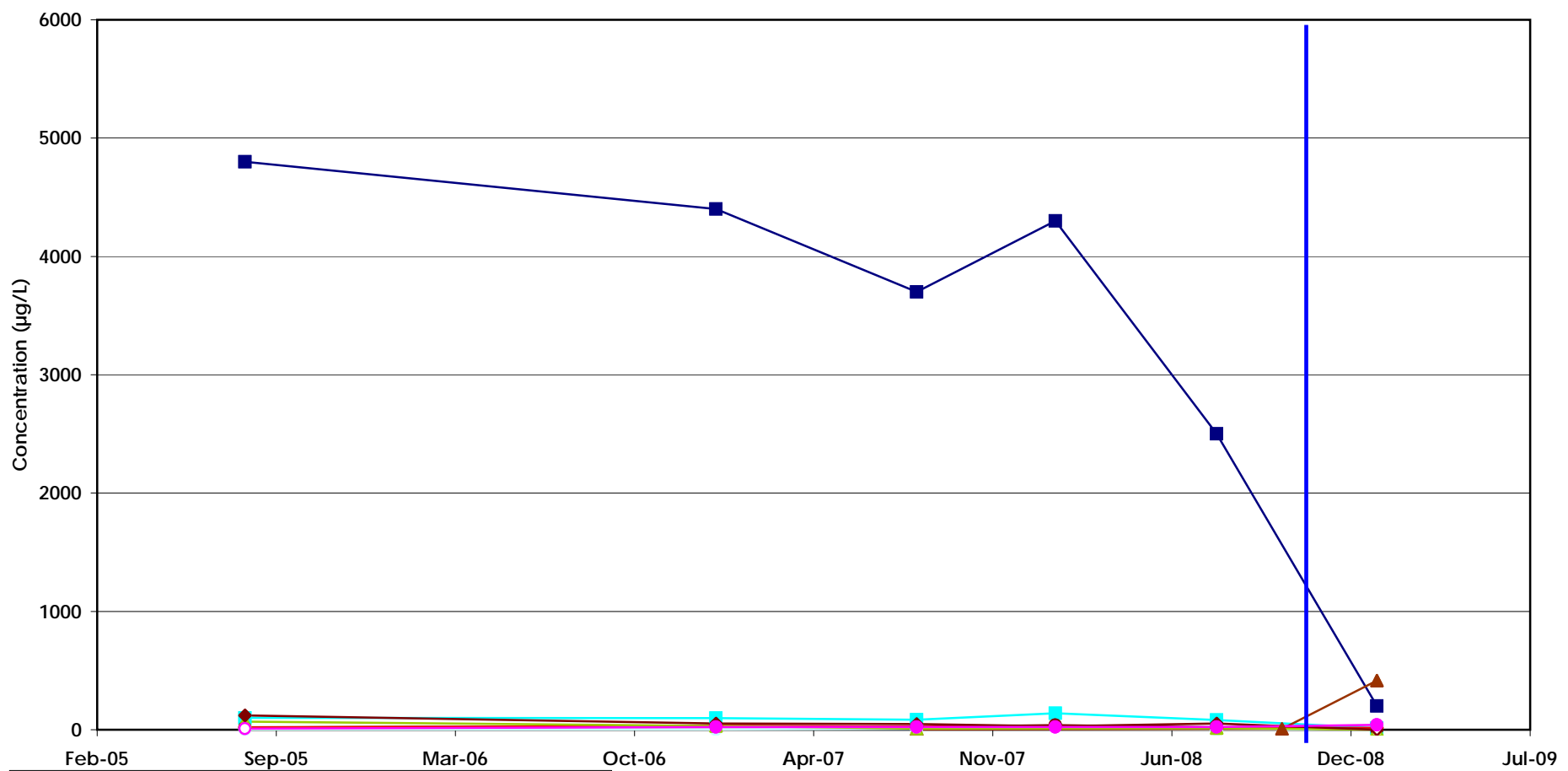


Figure
A-7

San Diego

May 2009

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

EISB Implementation

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

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

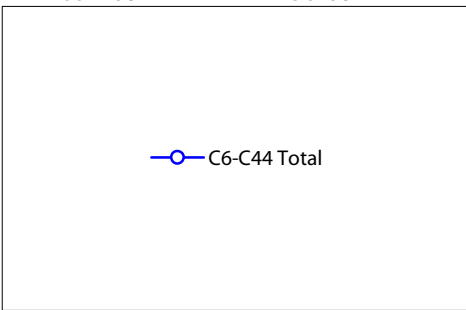
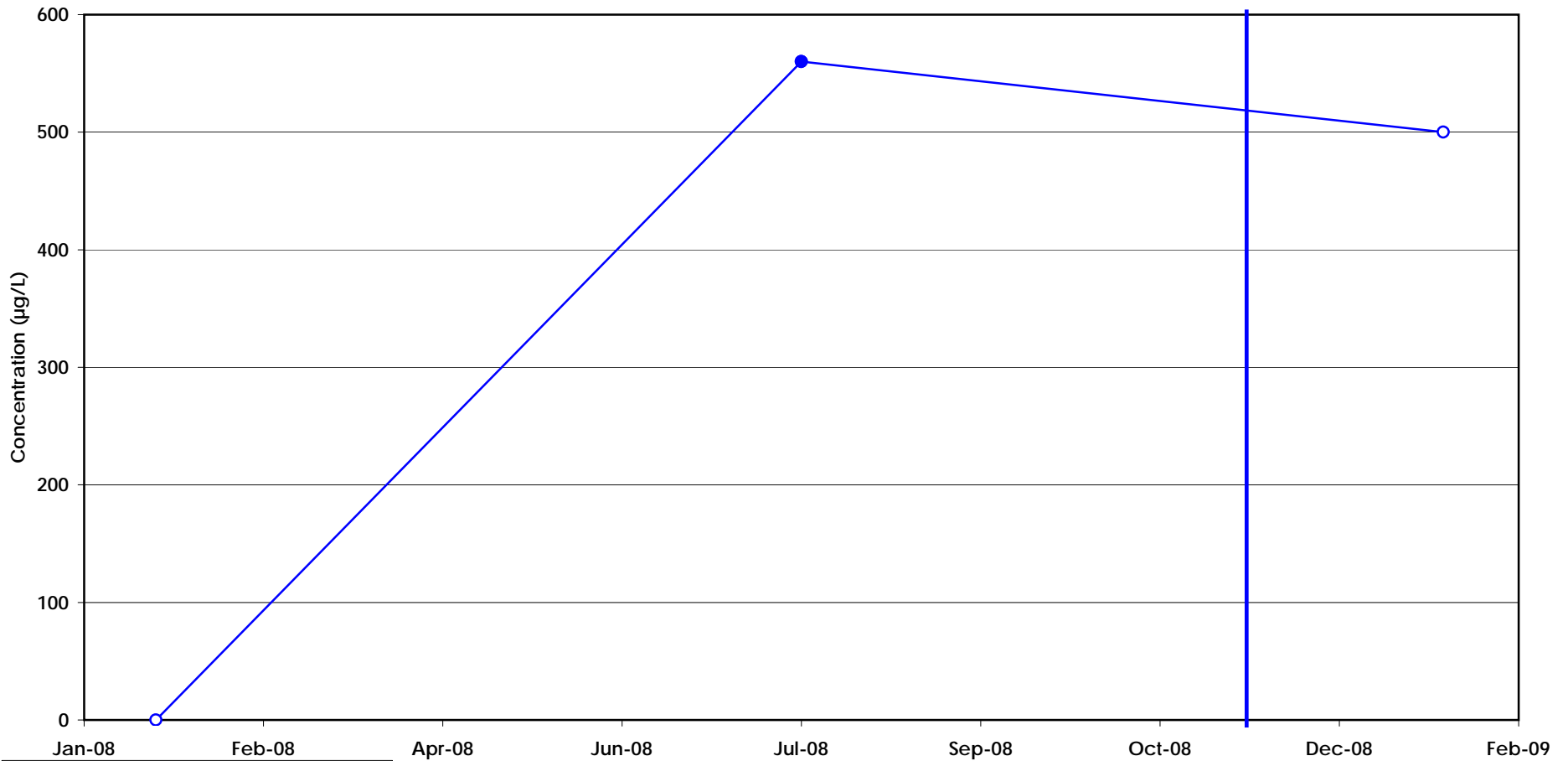


Figure

A-8

San Diego

May 2009



— EISB Implementation

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



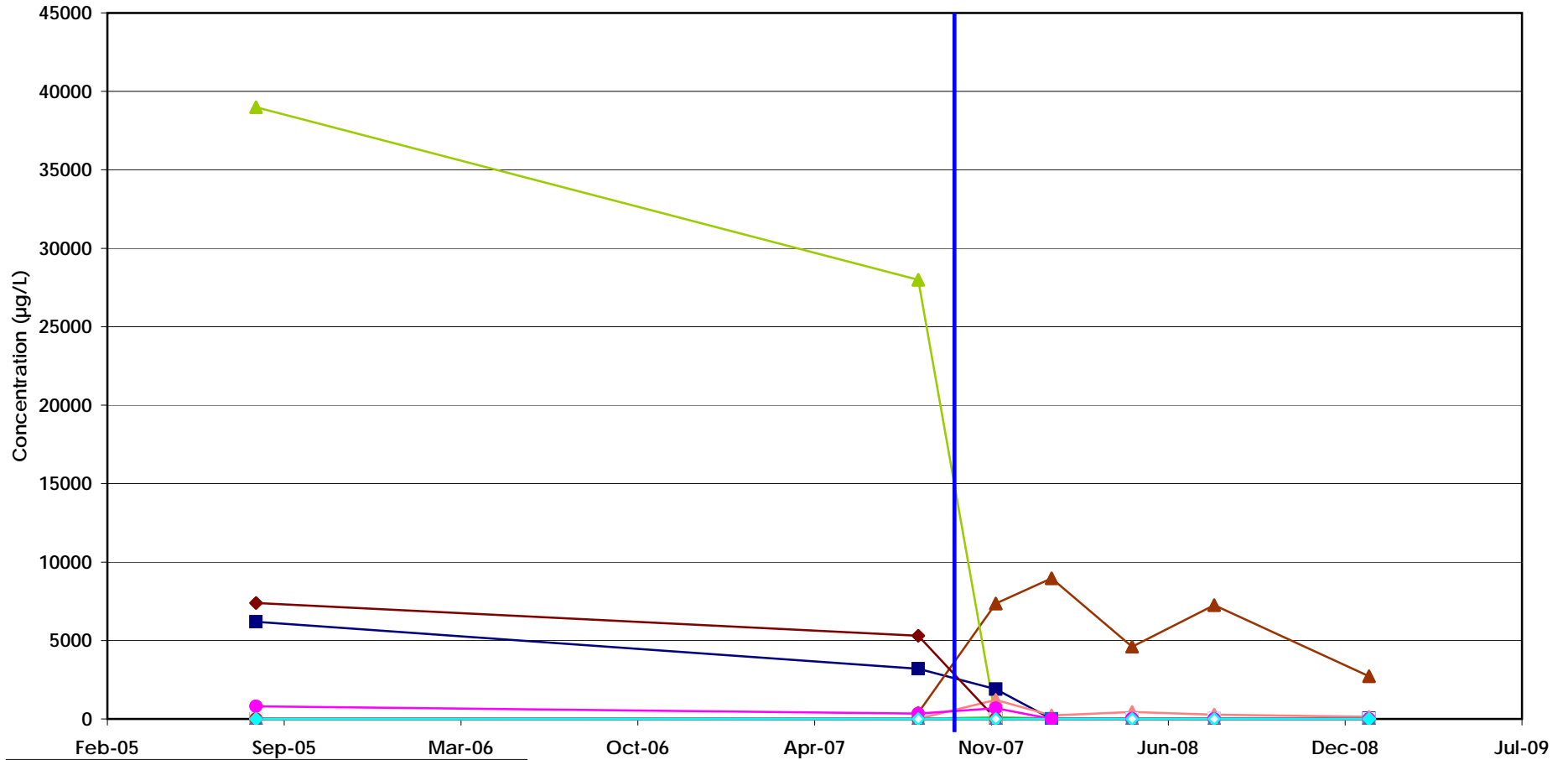
Figure

A-9

San Diego

May 2009

C:\Project\TDV\TDV_5_6_2009\Plot_SVOCs_MWCL-8



- Carbon disulfide
- 2-Chlorotoluene
- ◇ 1,2-Dichlorobenzene
- cis-1,2-Dichloroethene
- △ Ethane
- ◇ Ethylbenzene
- n-Propylbenzene
- Benzene
- 1,2,4-Trimethylbenzene
- Vinyl Chloride
- ◇ m,p-Xylenes
- Chlorobenzene
- 1,4-Dichlorobenzene
- trans-1,2-Dichloroethene
- ◇ 1,4-Dioxane
- △ Ethene
- ◇ Methane
- △ Tetrachloroethene (PCE)
- ◇ Trichloroethene (TCE)
- 1,3,5-Trimethylbenzene
- △ o-Xylene

— EISB Implementation

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



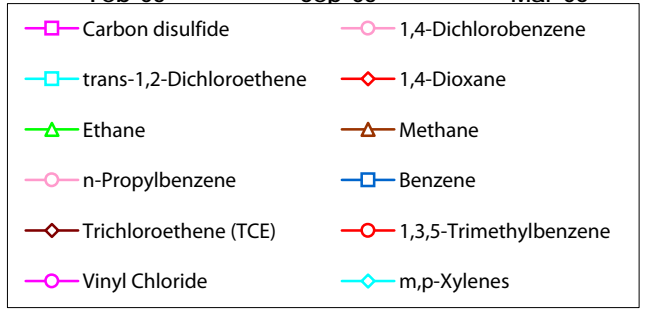
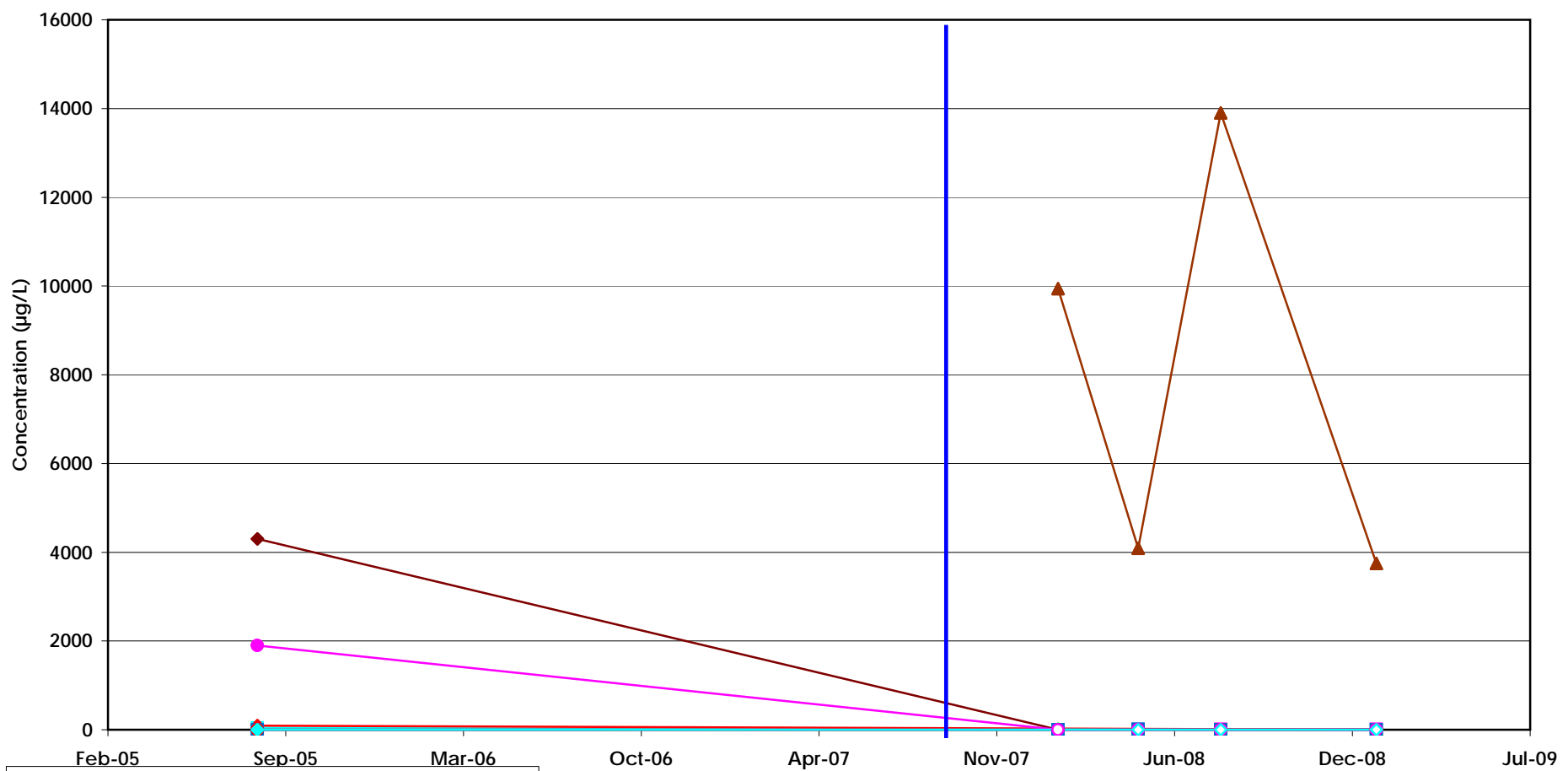
Figure

A-10

San Diego

May 2009

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— EISB Implementation

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

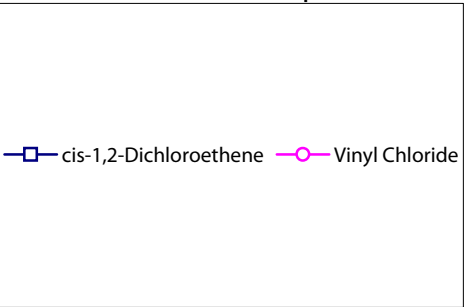
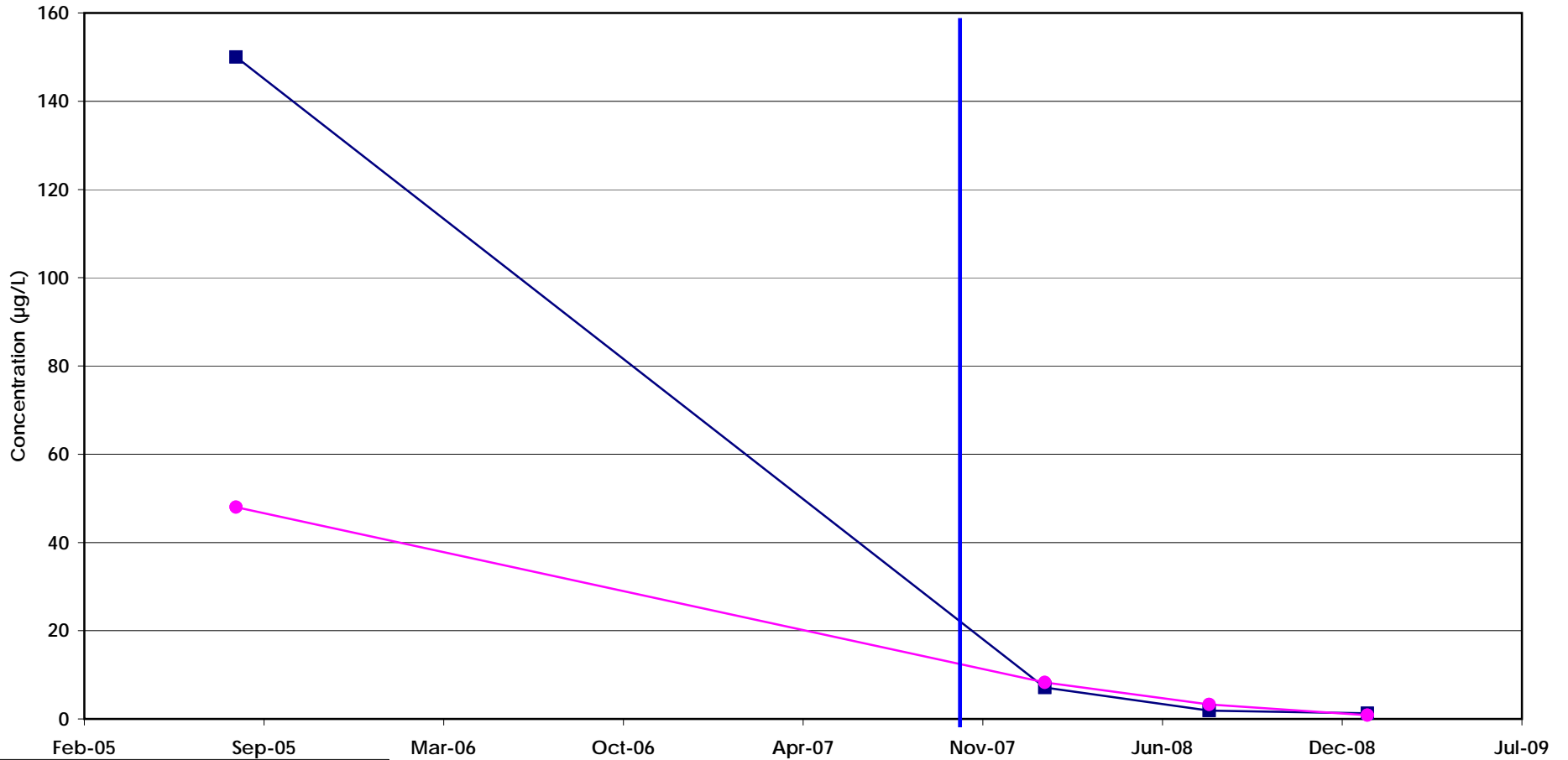


Figure

A-11

San Diego

May 2009



— EISB Implementation

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

Monitor Well BLD131-MW4 Time-Series Graph for VOCs
 2701 North Harbor Drive
 San Diego, California



Figure

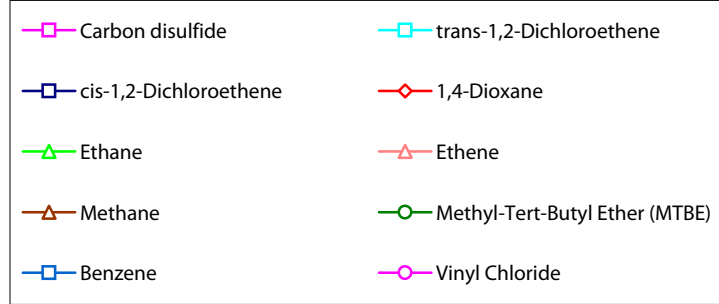
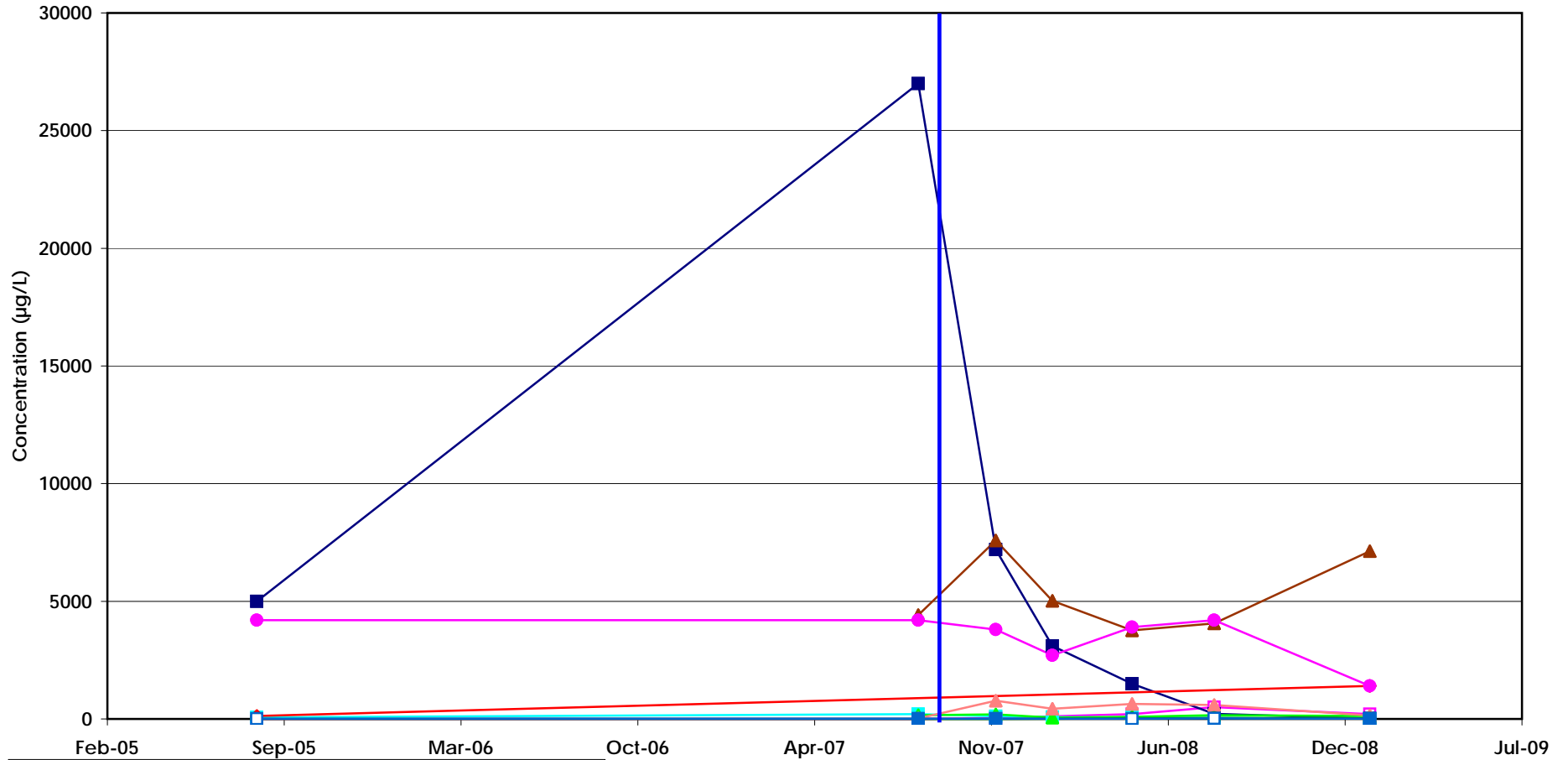
A-12

San Diego

May 2009

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C:\Project\TDY\5_6_2009\86\PLOT_SVOCS_MMCL-8

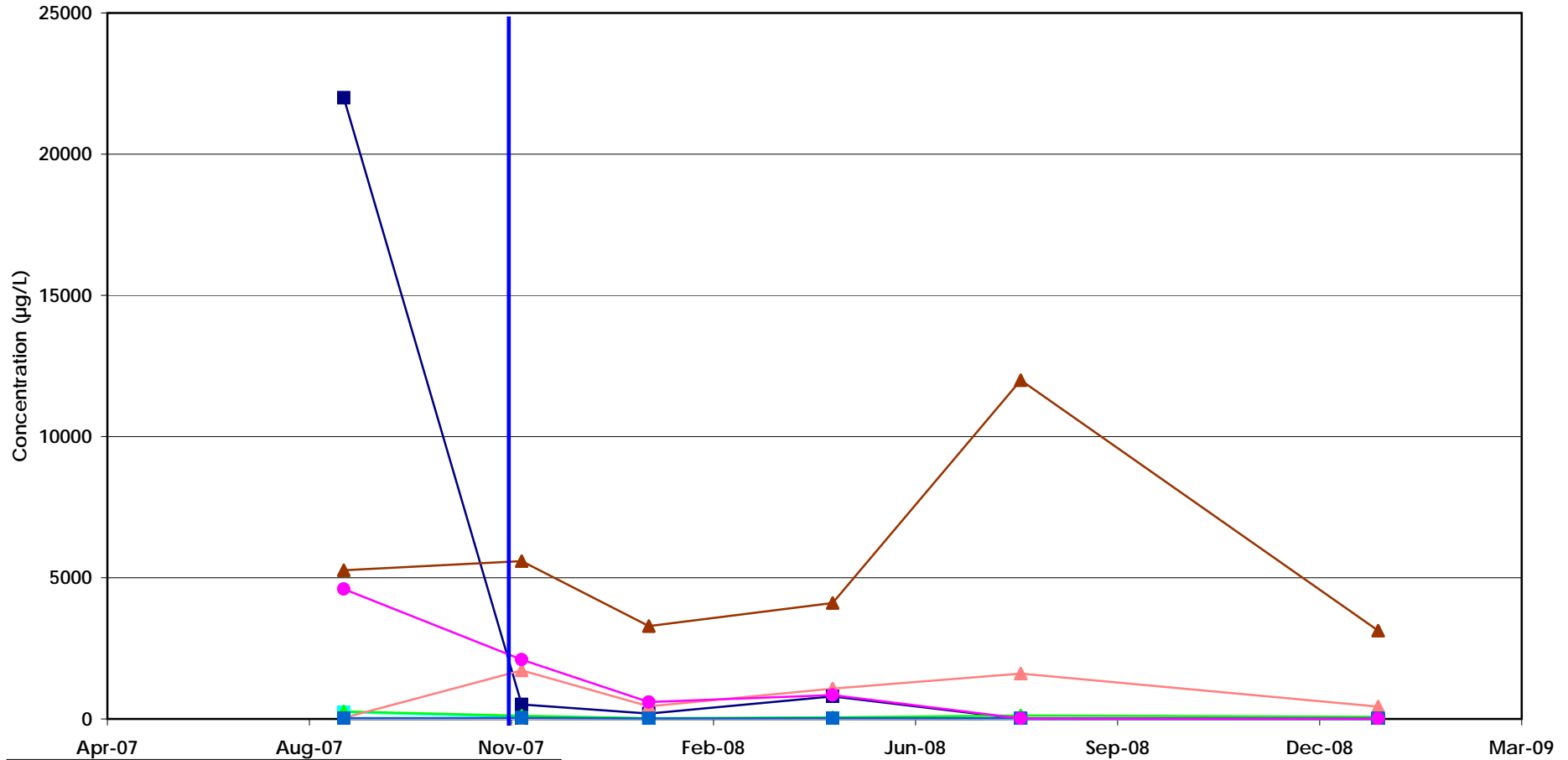


— EISB Implementation

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

<p>Monitor Well BLD131-MW5 Time-Series Graph for VOCs 2701 North Harbor Drive San Diego, California</p>	
<p>Geosyntec consultants</p>	
San Diego	May 2009
<p>Figure A-13</p>	

C:\Project\TDY\5_6_2009\86\PLOT_SVOCs_MMCL-8



- Chlorobenzene
- ◇— 1,2-Dichlorobenzene
- cis-1,2-Dichloroethene
- △— Ethene
- Toluene
- Vinyl chloride
- 1,4-Dichlorobenzene
- trans-1,2-Dichloroethene
- △— Ethane
- △— Methane
- Benzene

— EISB Implementation

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

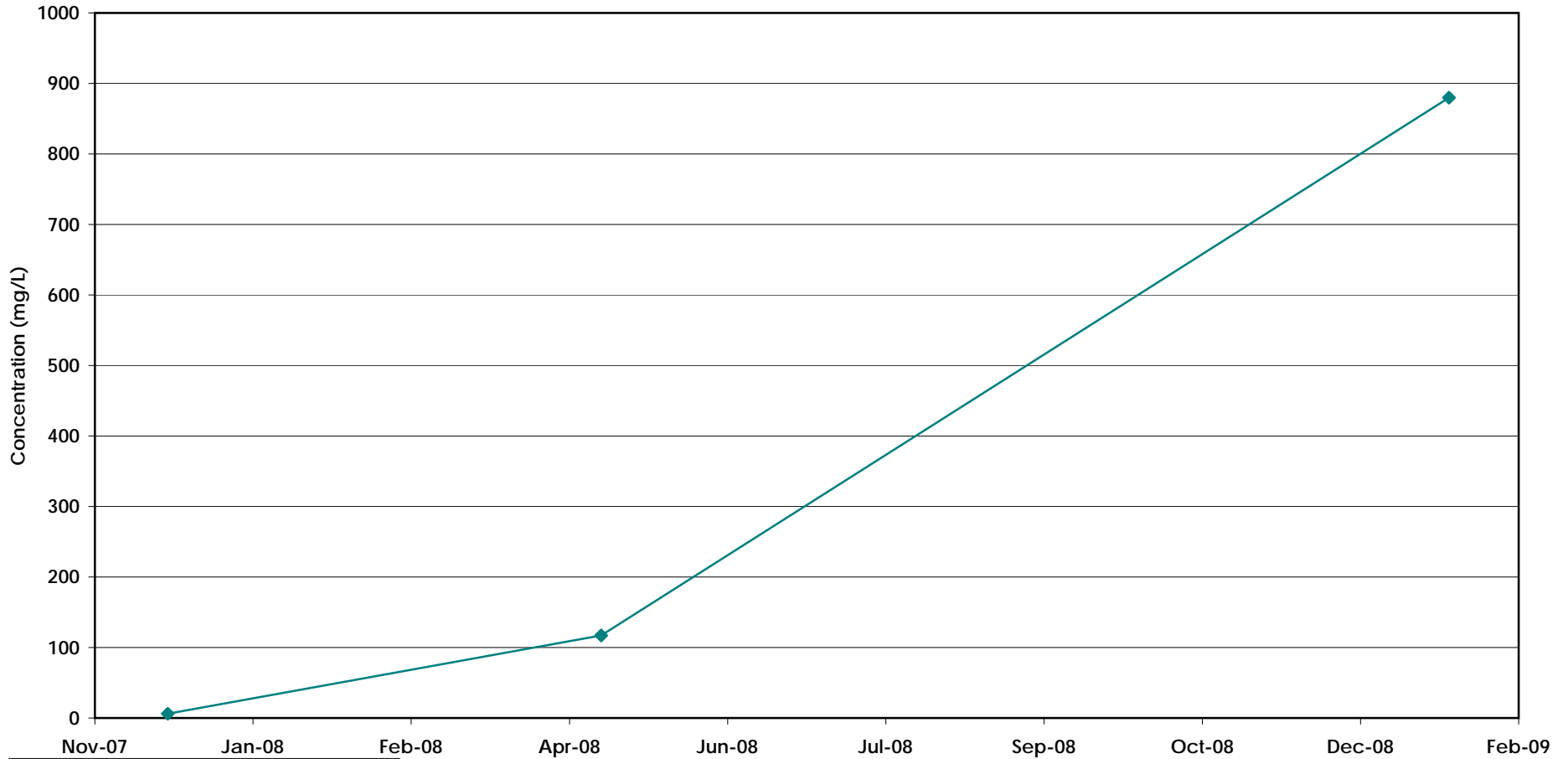


Figure

A-14

San Diego

May 2009



—◇— Chromium

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

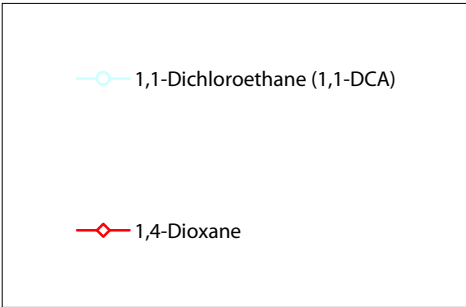
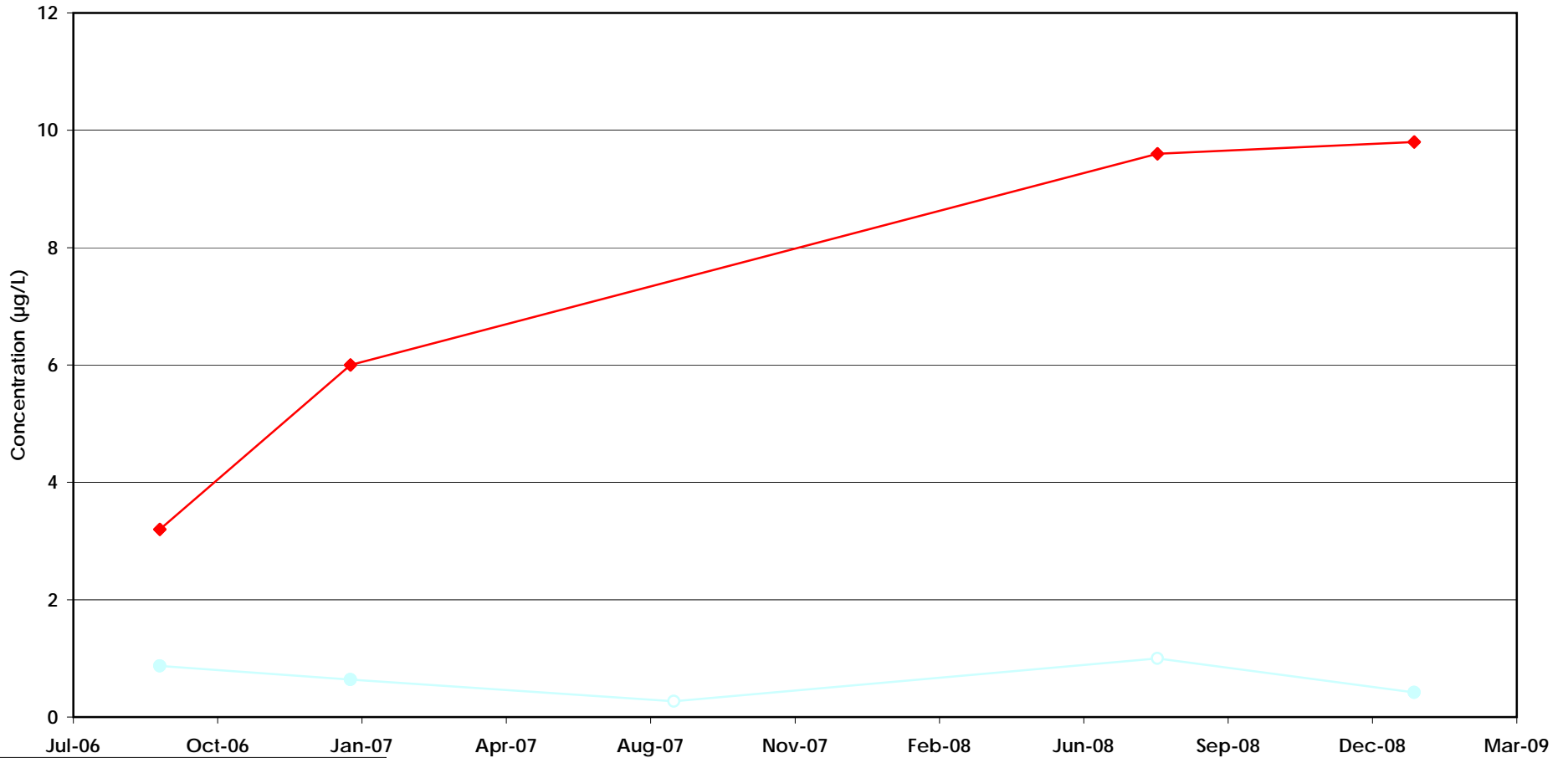
Geosyntec
 consultants

Figure

A-15

San Diego

May 2009



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

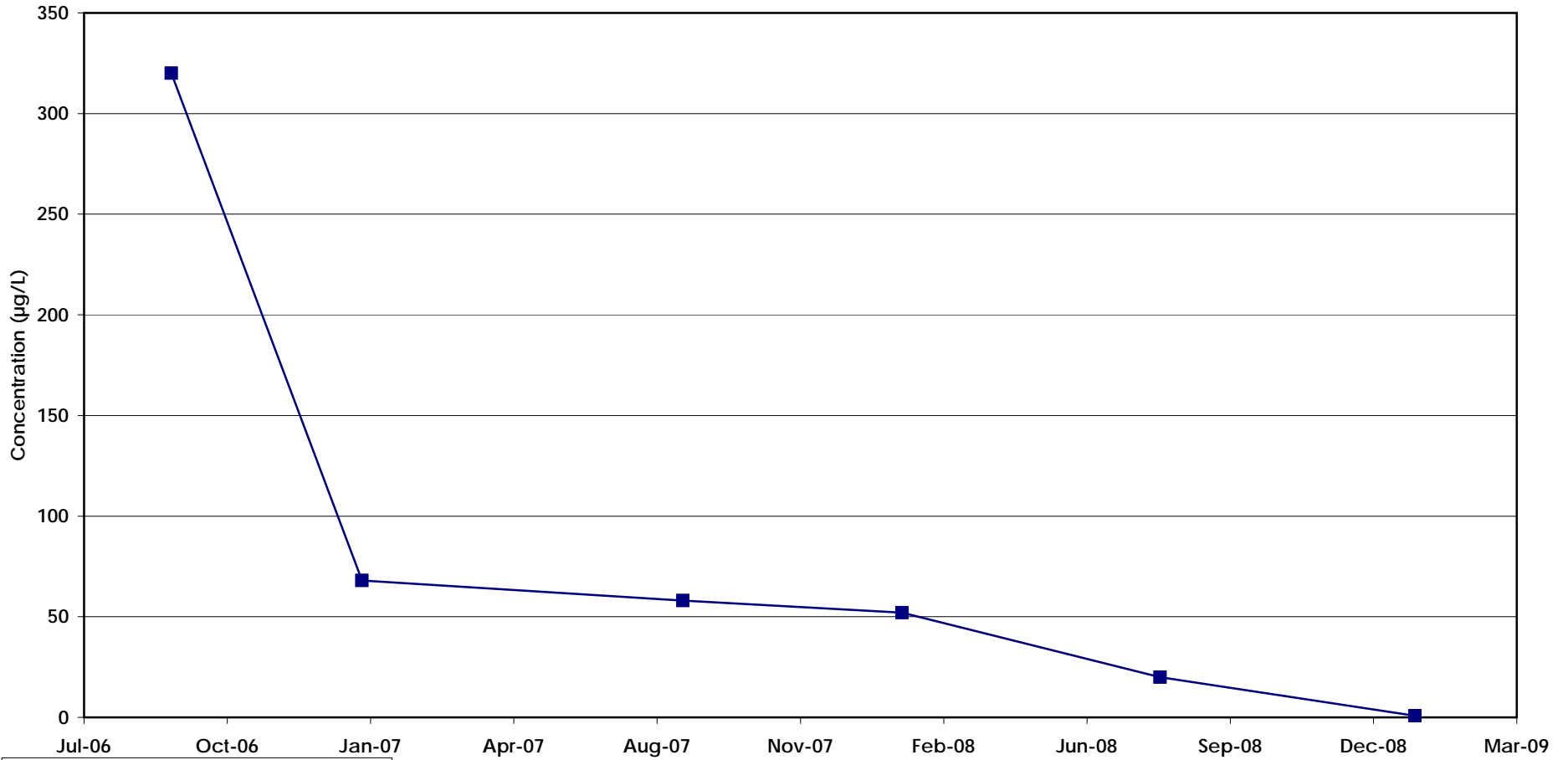


Figure

A-16

San Diego

May 2009



—□ 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

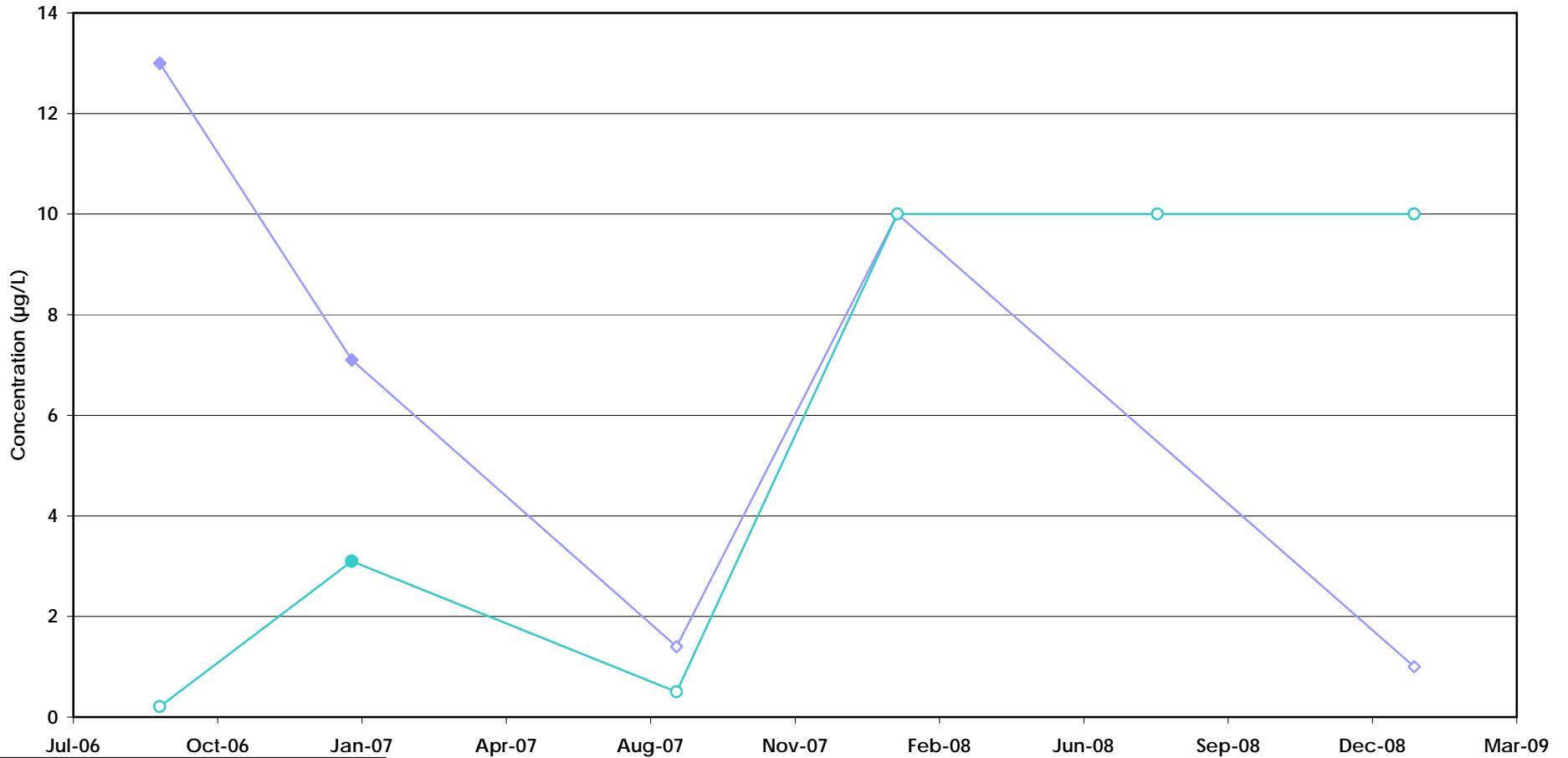
Geosyntec
consultants

Figure

A-17

San Diego

May 2009



◆ Acenaphthene ○ Naphthalene

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

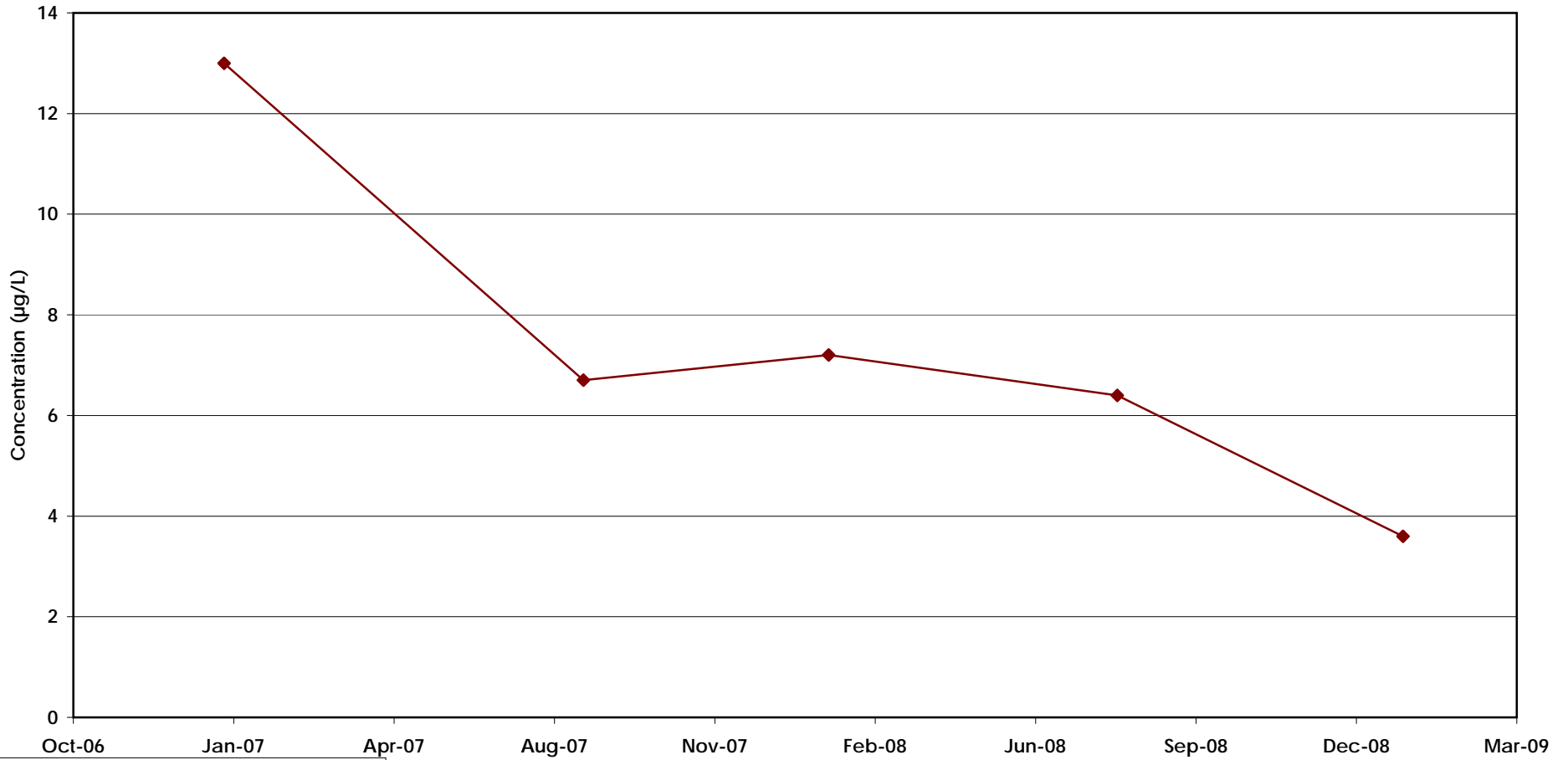


Figure

A-18

San Diego

May 2009



—◇— 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

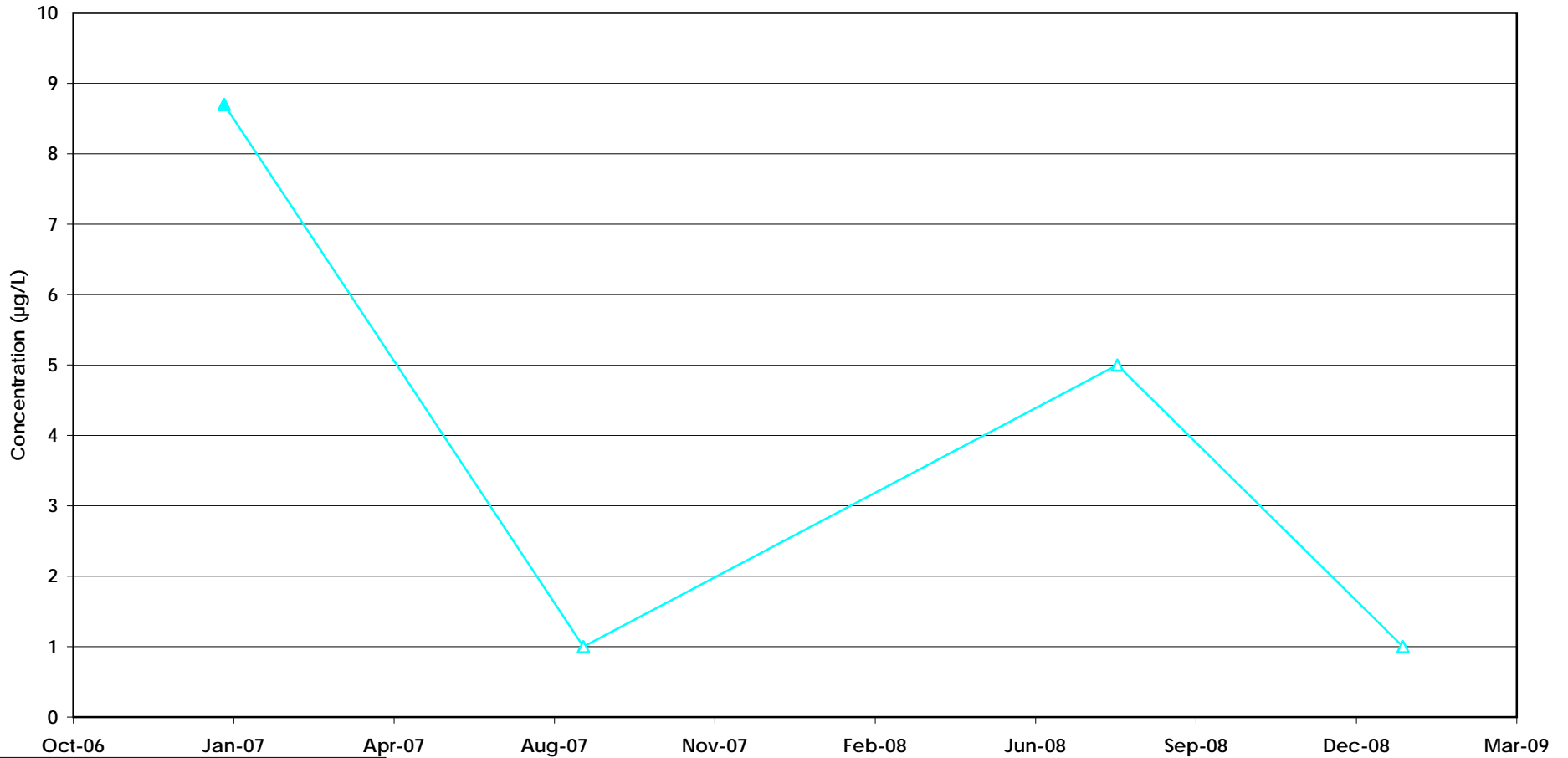
Geosyntec
consultants

Figure

A-19

San Diego

May 2009



—▲ Bis(2-Ethylhexyl) Phthalate

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

Monitor Well MWCL-8 Time-Series Graph for SVOCs

2701 North Harbor Drive
San Diego, California

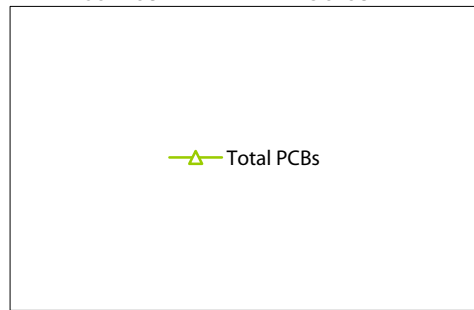
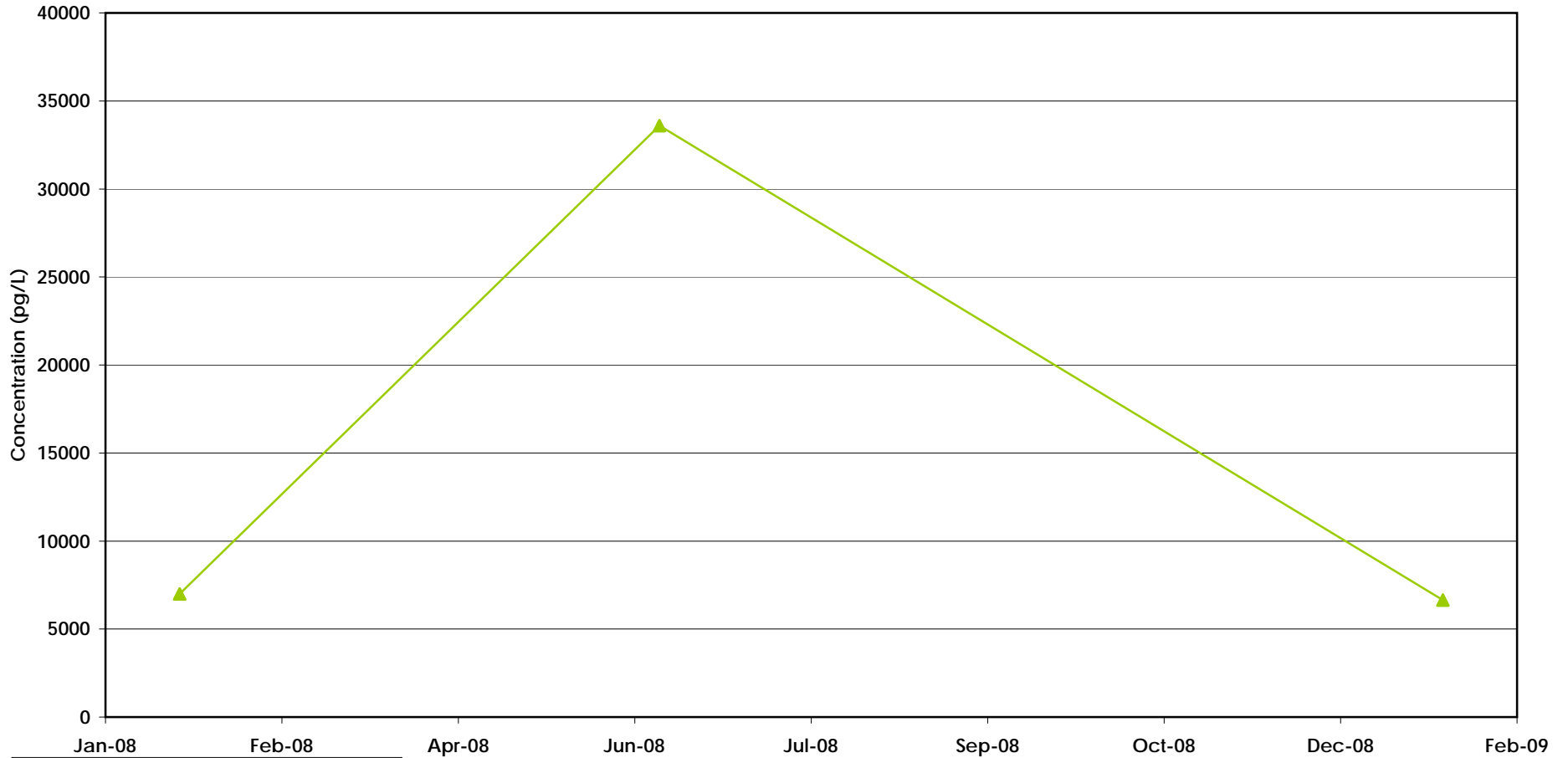


Figure

A-20

San Diego

May 2009



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

Figure

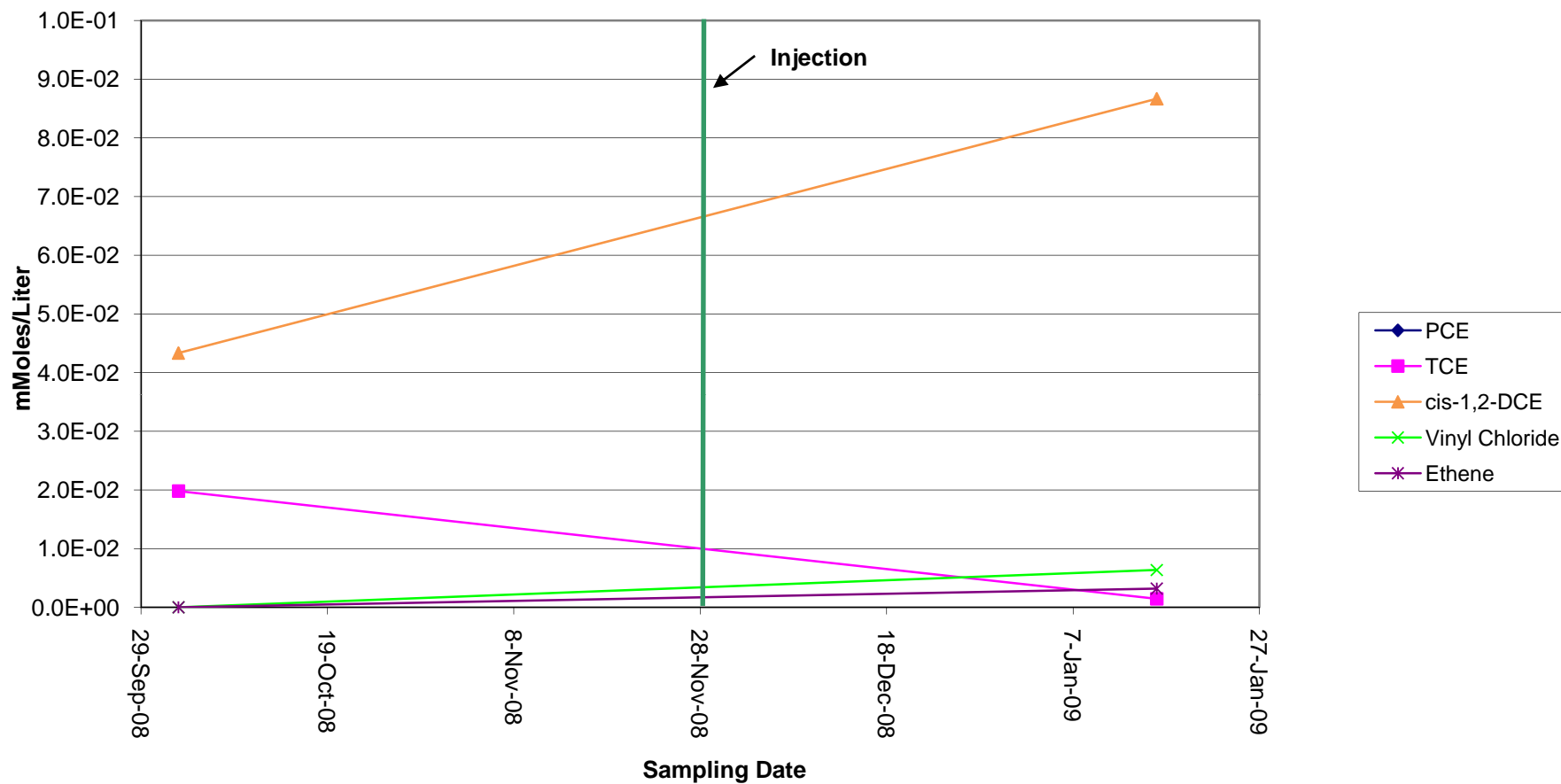
A-21

San Diego

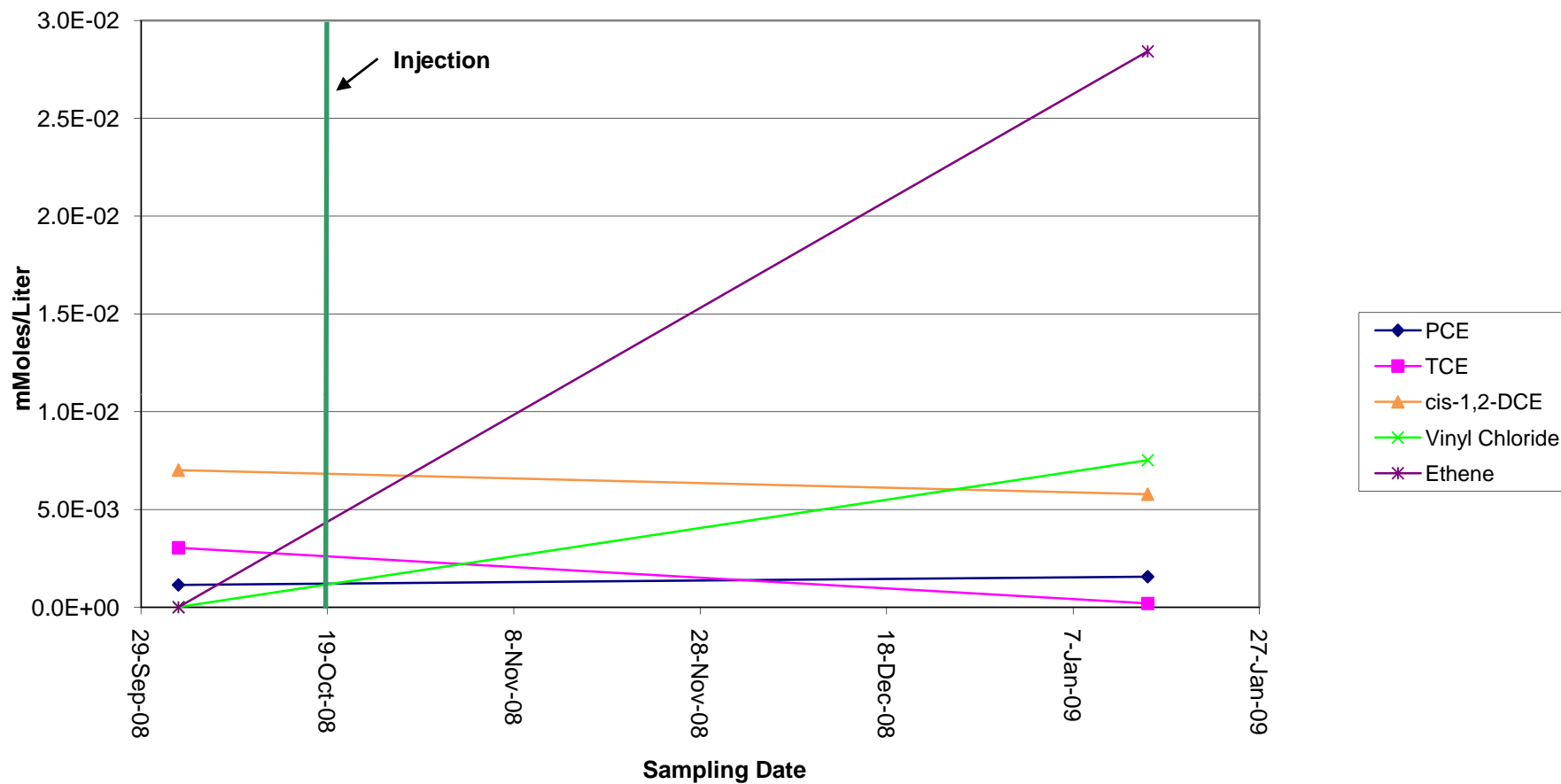
May 2009

APPENDIX B
EISB Time Series Plots

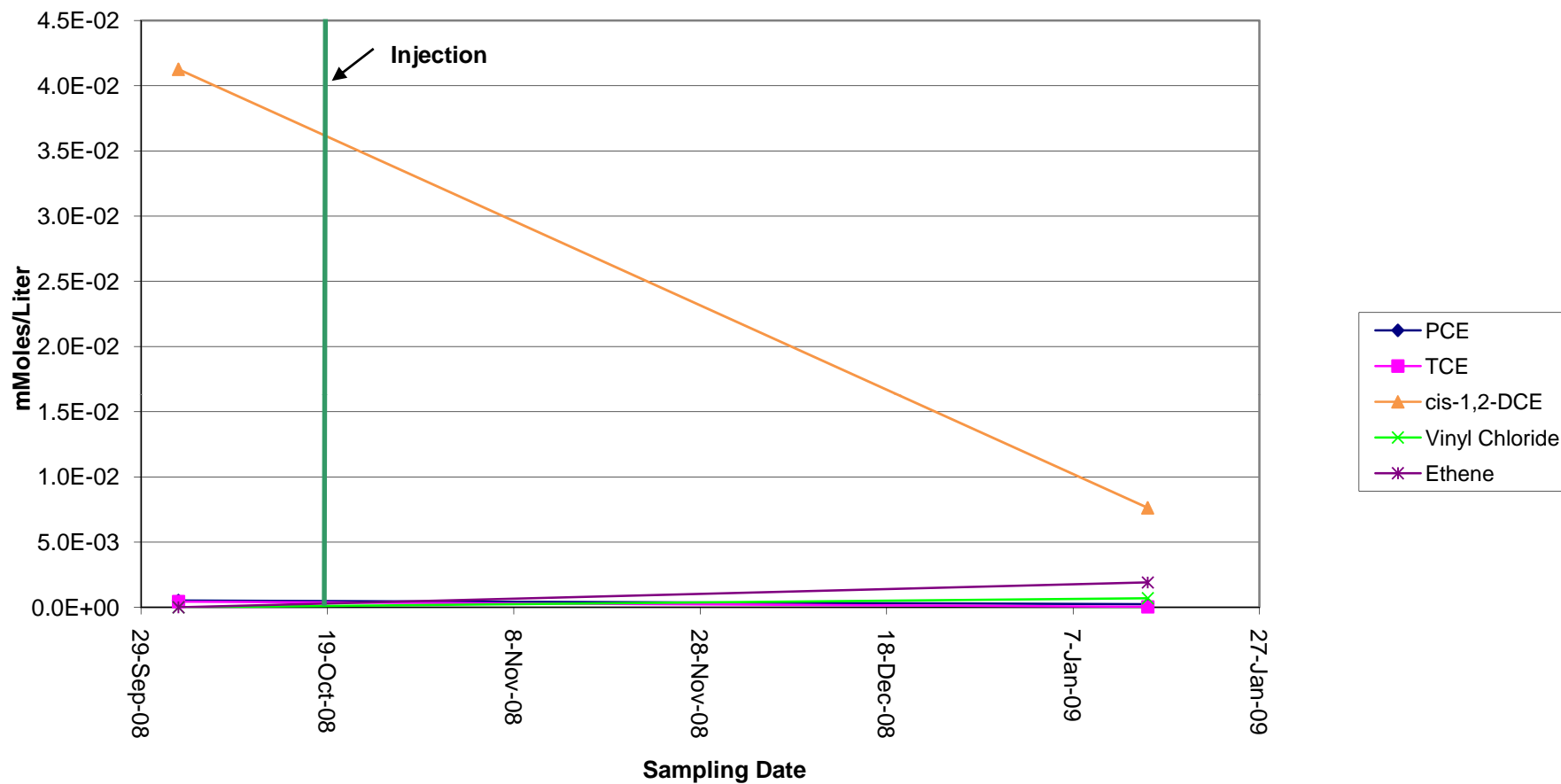
B-1
BLD120-MW1 (mMol/L)



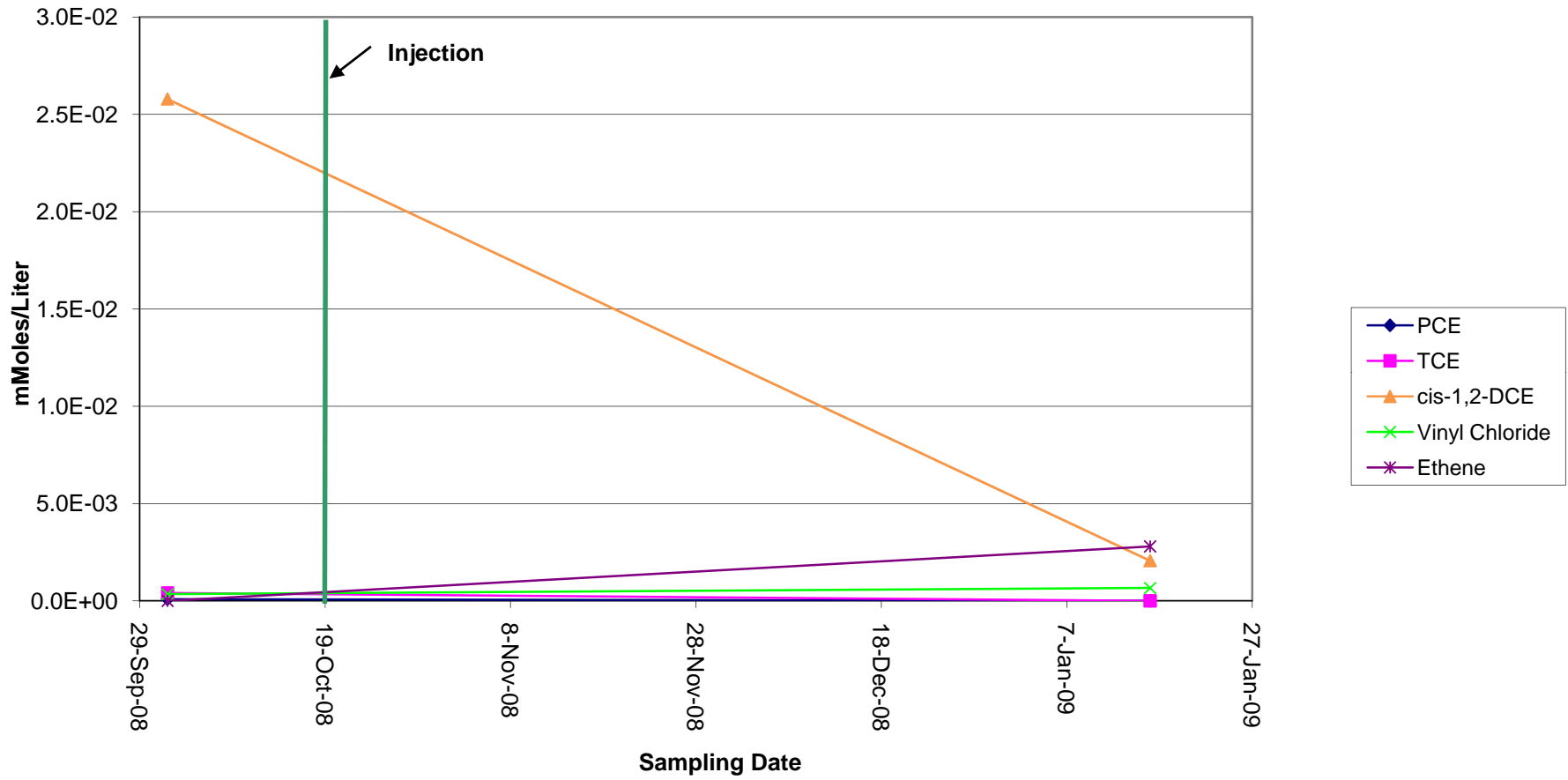
B-2
BLD120-MW2 (mMol/L)



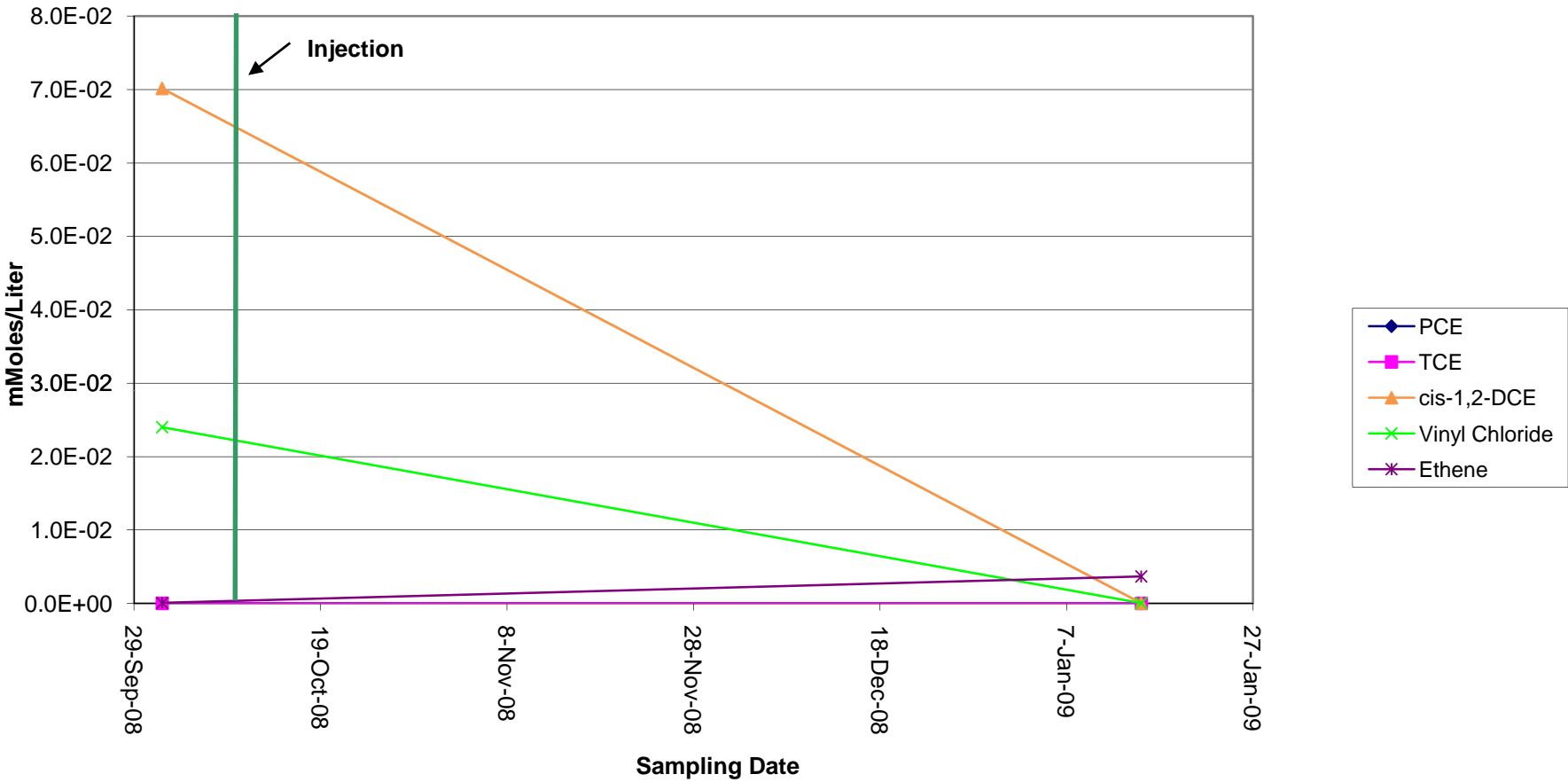
B-3
BLD120-MW3 (mMol/L)



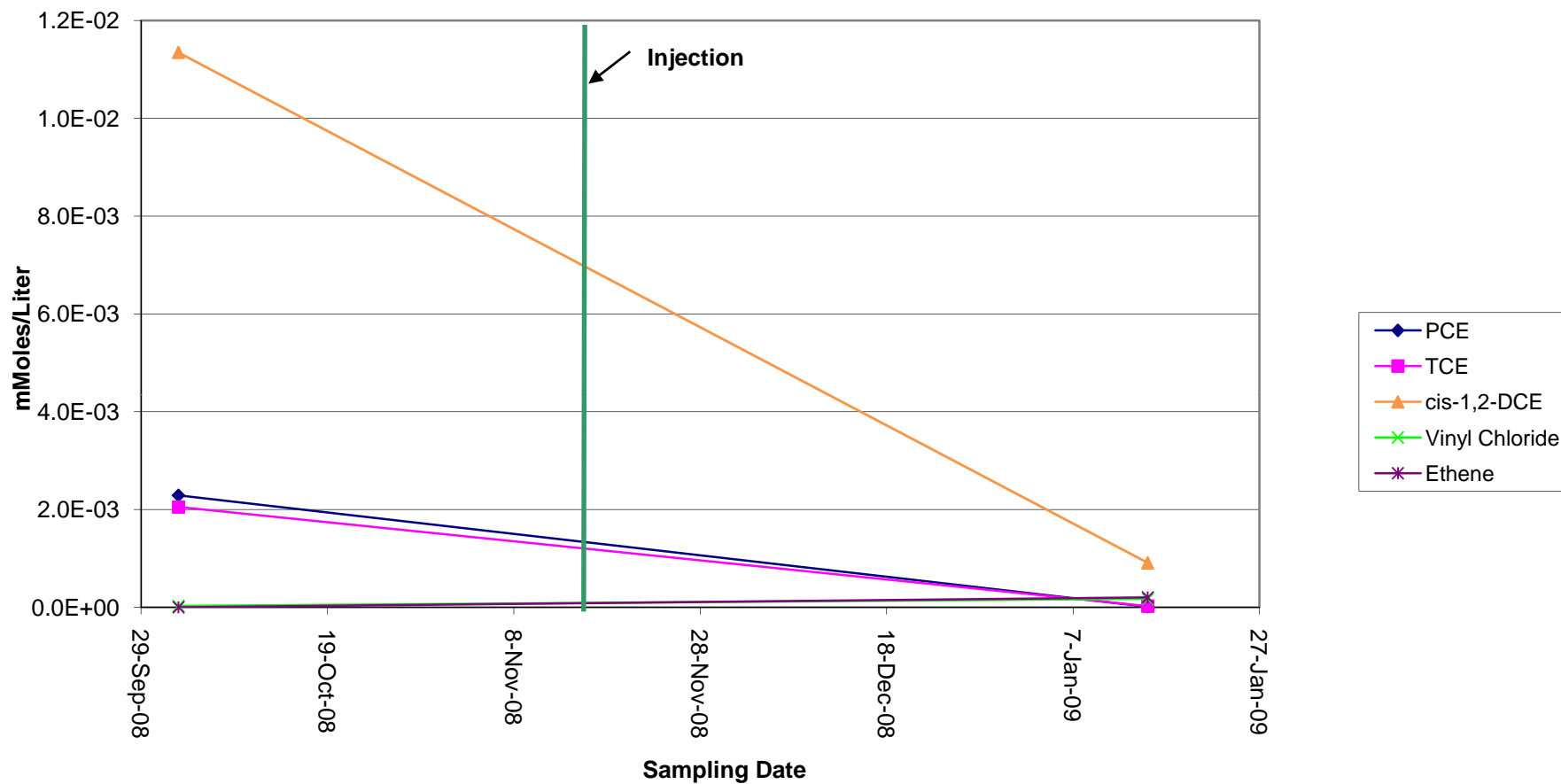
B-4
BLD120-MW6 (mMol/L)



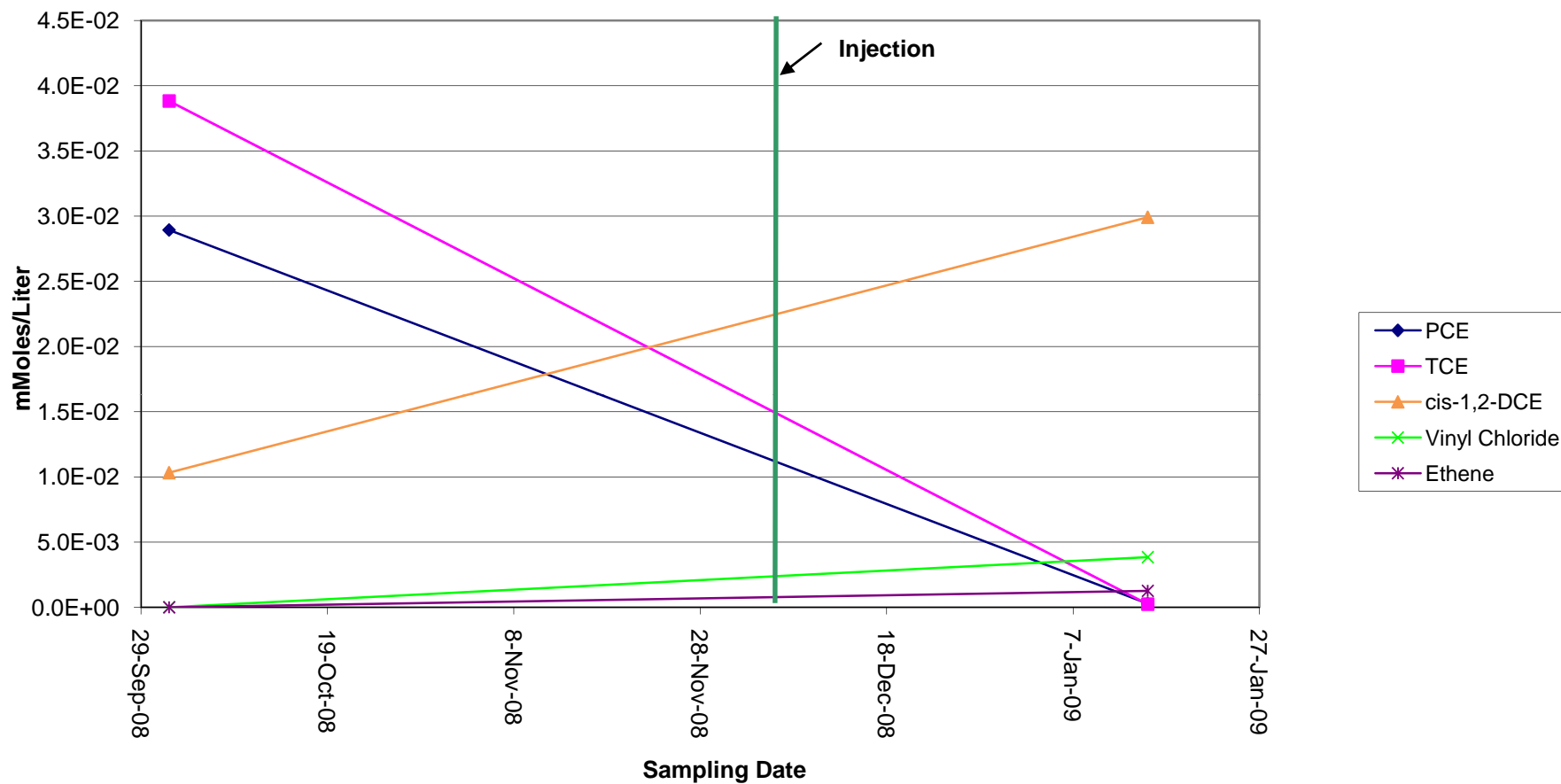
B-5
BLD120-MW7 (mMol/L)



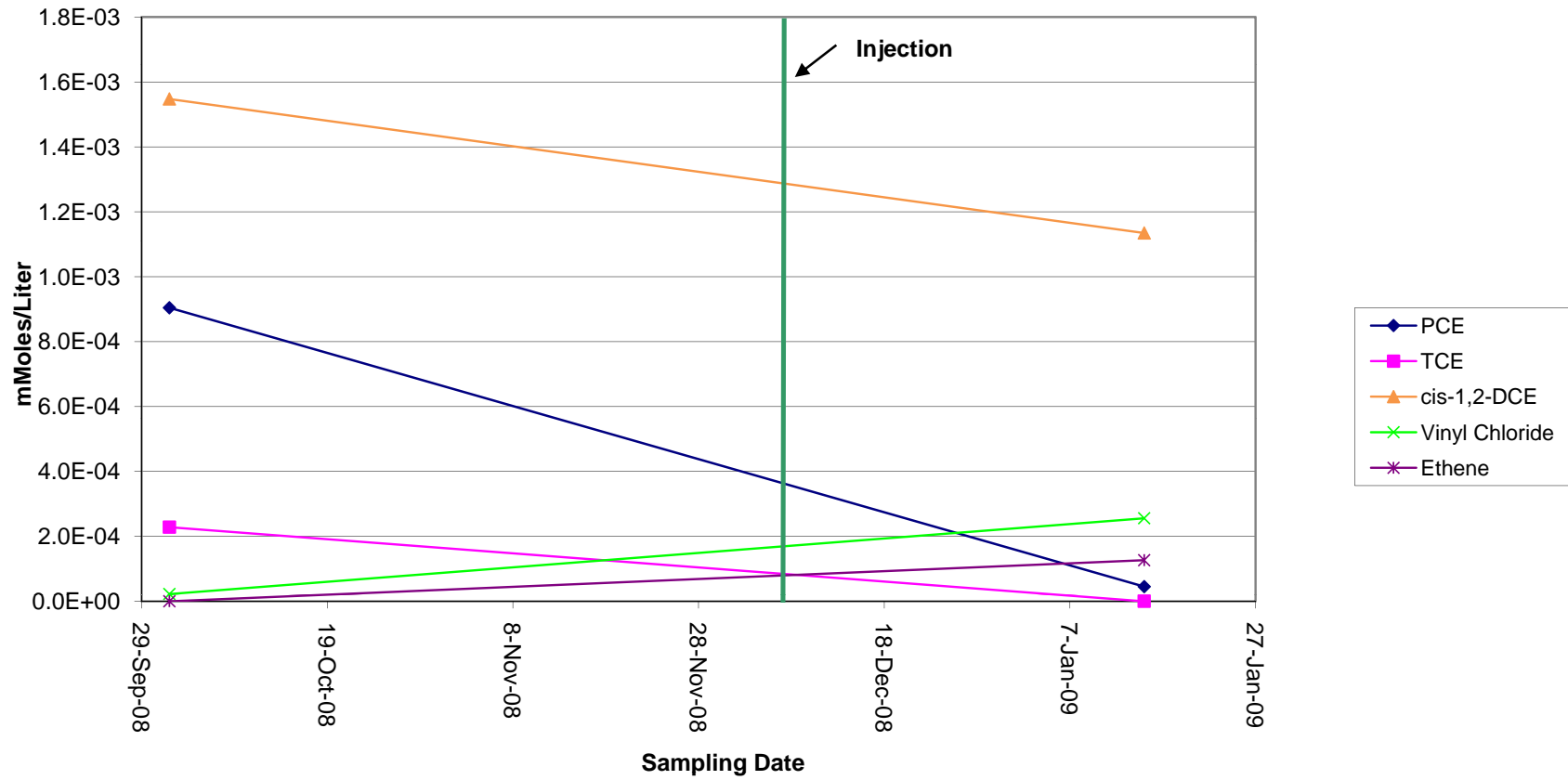
B-6
BLD120-MW8 (mMol/L)



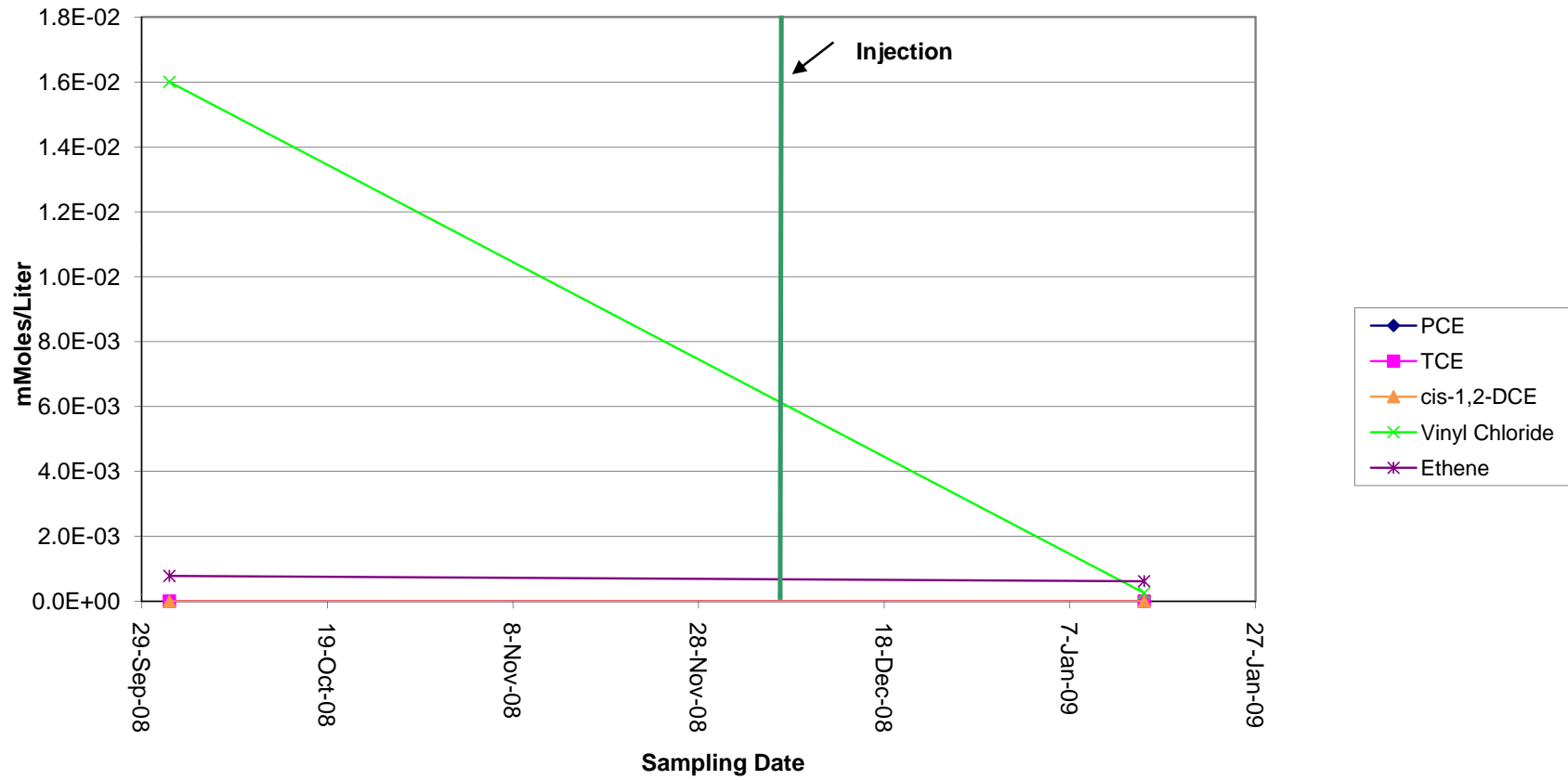
B-7
BLD120-MW9 (mMol/L)



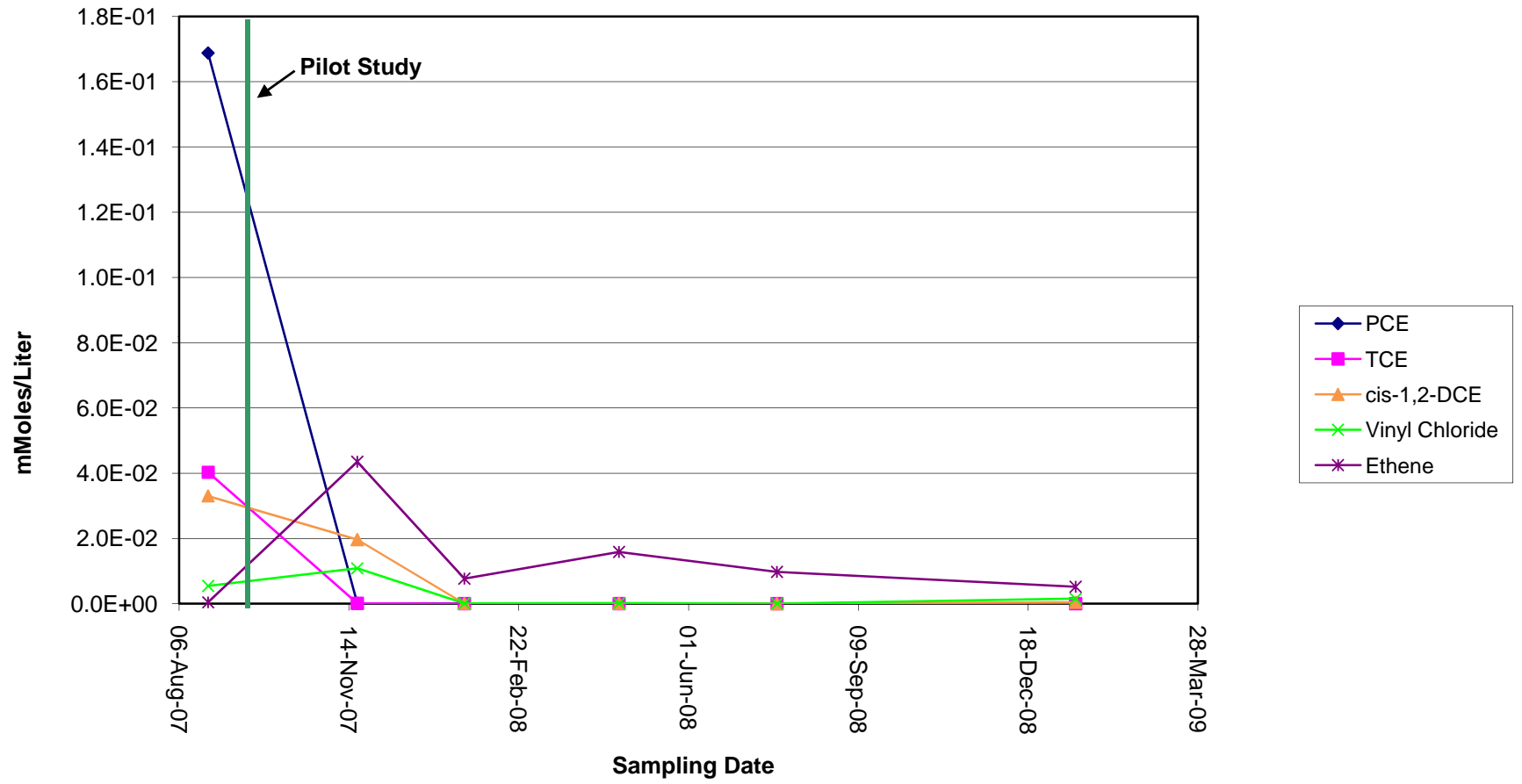
B-8
FMY-MW1(mMol/L)



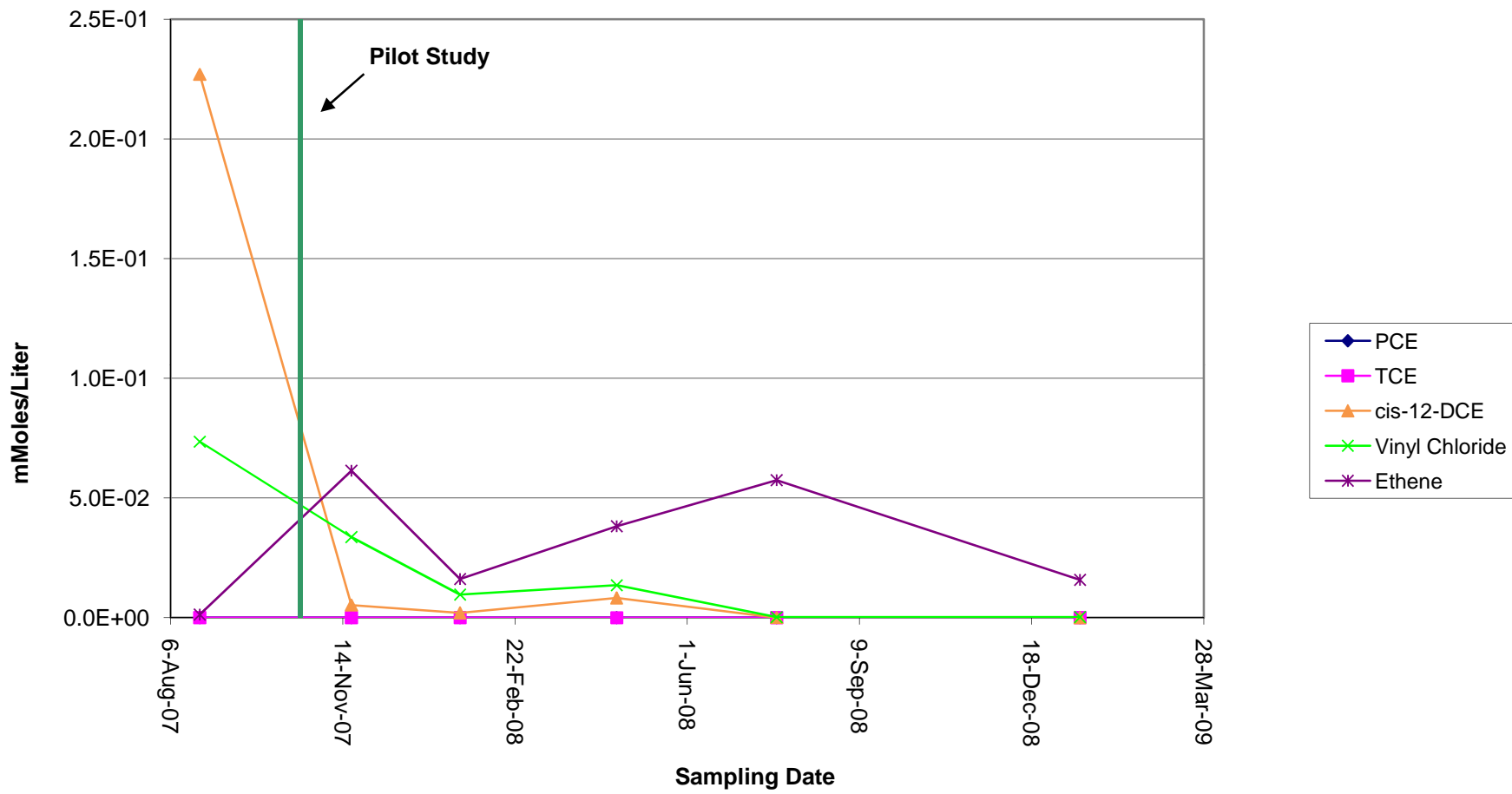
B-9
B180-MW2 (mMol/L)



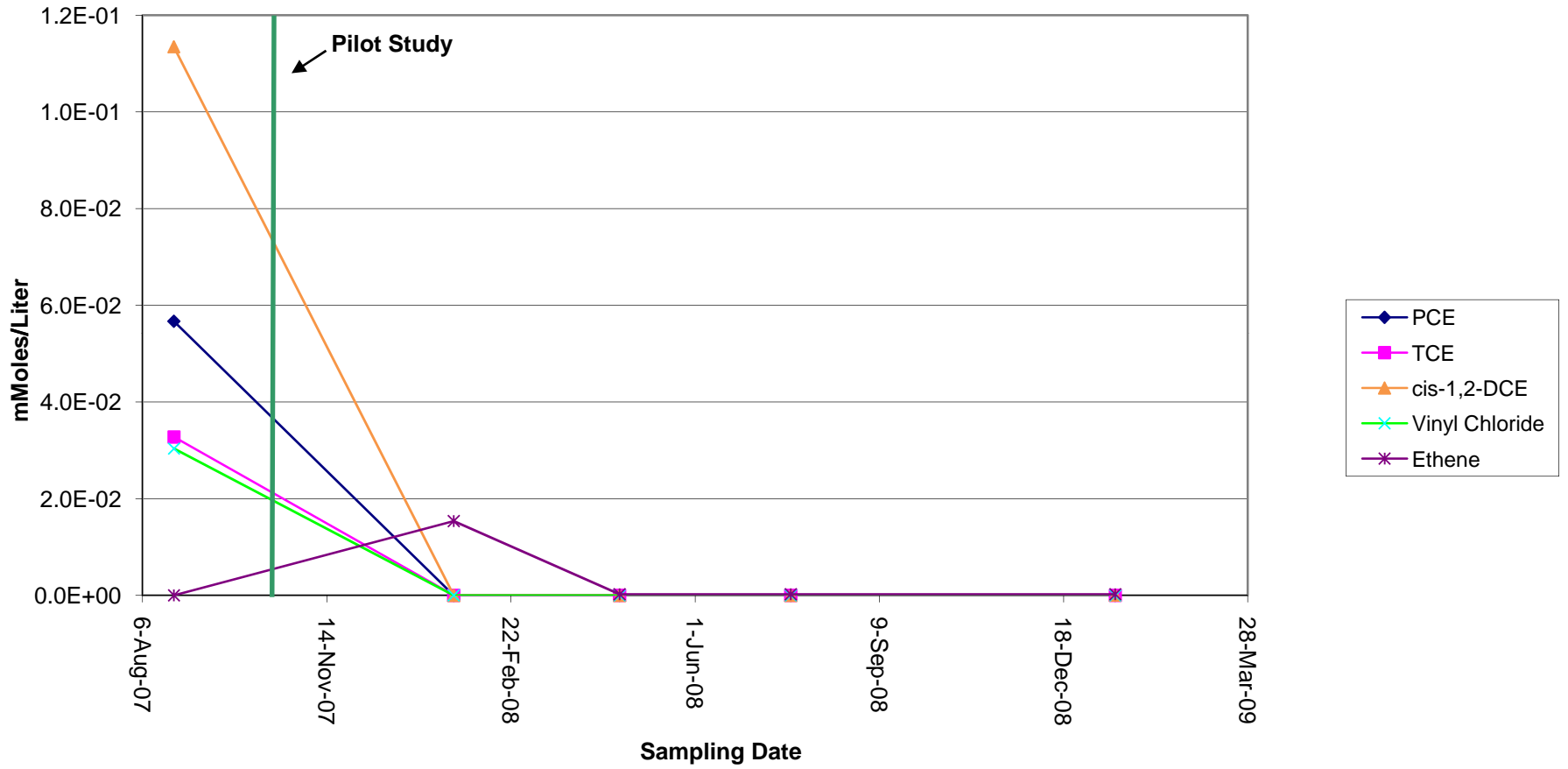
B-10
BLD 131-MW2 (mMols/L)



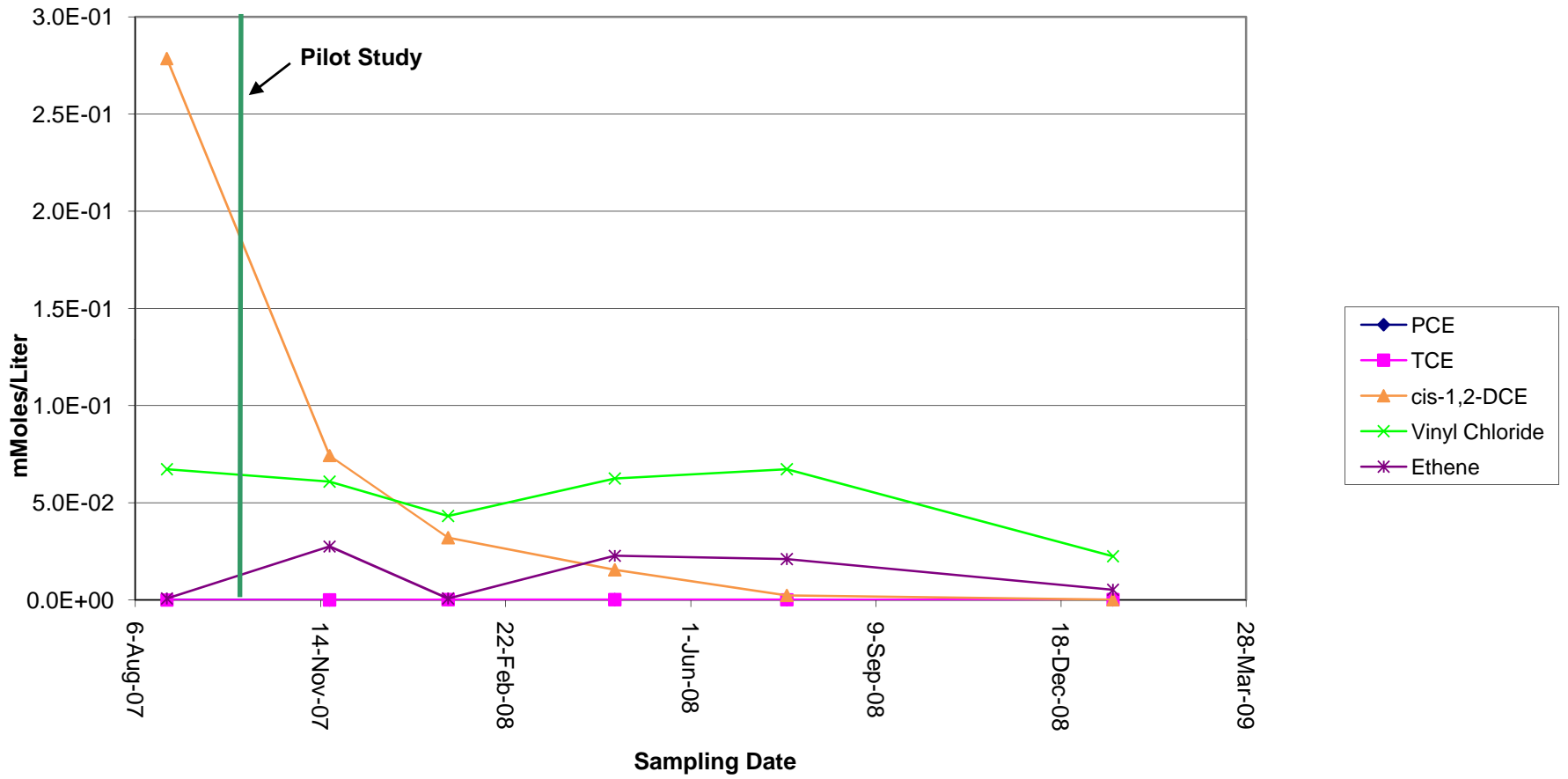
B-11
BLD131-MW6 (mMols/L)



B-12
BLD131-MW3 (mMols/L)



B-13
BLD131-MW5 (mMols/L)



APPENDIX C

Groundwater Sampling Field Forms

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

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 9:56	8.882	8/30/2006	14.75	6.30	2.58	NO NAPL
		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	
		1/14/09		5.05		
BLD120-MW2 9:55	8.867	8/30/2006	13.60	6.49	2.38	NO NAPL
		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	
		1/14/09		5.34		
BLD120-MW3 9:57	8.776	8/30/2006	14.34	6.45	2.33	NO NAPL
		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	
		1/14/09		5.58		
BLD120-MW4 10:30	7.071	8/30/2006	14.55	5.00	2.07	NO NAPL
		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	
		1/14/09		4.74		
BLD120-MW5 10:33	8.029	8/30/2006	15.15	6.00	2.03	NO NAPL
		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	
		1/14/09		5.72		
BLD120-MW6 9:59	8.728	8/30/2006	14.55	6.36	2.37	NO NAPL
		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	
		1/14/09		5.19		
BLD120-MW7	8.786	1/14/09		6.21		NO NAPL
BLD120-MW8	8.941	1/14/09		4.88		NO NAPL
BLD120-MW9	8.455	1/14/09		4.62		NO NAPL
BLD131-MW1 9:20	8.995	8/30/2006	14.55	6.36	2.64	NO NAPL
		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	
		1-14-09		6.30		
BLD131-MW2 9:27	9.460	8/30/2006	14.51	6.80	2.66	NO NAPL
		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	
		1-14-09		6.66		
BLD131-MW2D 9:25	9.670	8/30/2006	40.08	7.57	2.10	NO NAPL
		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	
		1-14-09		7.14		
BLD131-MW3 9:30	9.196	8/30/2006	14.46	6.61	2.59	NO NAPL
		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	
		1-14-09		6.59		

10:20
 10:06
 10:03

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

Well Number	Top of Casing Elevation (ft MSL)	Date	Depth to Bottom (ft toe)	Depth to Water (ft toe)	Groundwater Elevation (ft MSL)	
BLD131-MW3D 9:31	9.750	8/30/2006	39.88	7.76	1.99	NO NAPL
		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	
		1-14-09		7.64		
BLD131-MW4 10:45	8.916	8/30/2006	13.70	6.29	2.63	NO NAPL
		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	
		1/14/09		6.46		
BLD131-MW5 10:43	10.116	8/30/2006	13.55	-	-	NO NAPL
		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	
		1/14/09		7.67		
BLD131-MW6 1102	9.458	7/21/2008	15.19	6.88	2.58	NO NAPL
		1-14-09		6.88		
BLD180-MW1 10:25 10:16	7.887	8/30/2006	15.25	6.29	1.60	NO NAPL
		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	
		1/14/08		6.40		
BLD180-MW2	8.125	7/21/2008	15.19	6.88	2.58	NO NAPL
		1-14-09		6.88		
BLD102-MW3 10:31	9.685	8/30/2006	17.03	7.35	2.34	NO NAPL
		1/8/2007	17.03	7.65	2.04	
		8/21/2007	17.03	7.57	2.12	
		1/21/2008	17.03	7.29	2.40	
		7/21/2008	17.03	7.22	2.47	
		1-14-09		6.88		
BLD102-MW4 10:26	8.831	8/30/2006	17.80	6.44	2.39	NO NAPL
		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	
		1/14/09		6.74		
BLD102-MW5 10:37	9.533	8/30/2006	15.18	7.11	2.42	NO NAPL
		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	
		1-14-09		6.87		
BLD-156-MW1 9:37	9.263	8/30/2006	15.36	6.61	2.65	NO NAPL
		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	
		1-14-09		6.43		
BLD-156-MW3 9:40	9.314	8/30/2006	15.30	6.44	2.87	NO NAPL
		1/8/2007	15.30	6.70	2.61	
		8/21/2007	15.30	6.69	2.62	
		1/21/2008	15.30	6.26	3.05	
		7/21/2008	15.30	6.41	2.90	
		1-14-09		6.24		
MWCL-1 9:26	8.426	8/30/2006	42.20	6.55	1.88	NO NAPL
		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	
		1/14/09		6.52		

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

Well Number	Top of Casing Elevation (ft MSL)	Date	Depth to Bottom (ft toe)	Depth to Water (ft toe)	Groundwater Elevation (ft MSL)
MWCL-2 9:30	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
		1/14/09		6.65	
MWCL-3 9:35	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
		1/14/09		8.60	
MWCL-4 9:38	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
		1/14/09		7.98	
MWCL-5 9:48	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
		1/14/09		10.18	
MWCL-6 9:43	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
		1/14/09		9.95	
MWCL-7 9:45	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
		1/14/09		9.16	
MWCL-8 9:33	8.900	1/8/2007	12.00	7.80	1.10
		8/21/2007	12.00	8.02	0.88
		1/21/2008	12.00	6.38	2.52
		7/21/2008	12.00	7.50	1.40
		1/14/09		7.51	
142NC 9:43	9.827	8/30/2006	9.64	7.09	2.74
		1/8/2007	9.64	7.40	2.43
		8/21/2007	9.64	7.29	2.54
		1/21/2008	9.64	7.30	2.53
		7/21/2008	9.64	6.93	2.90
		1-14-09		6.85	
GT4 9:45	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
		1-14-09		6.84	
PI 10:05	10.903	8/30/2006	15.30	7.97	2.93
		1/8/2007	15.30	-	-
		8/21/2007	15.30	8.30	2.60
		1/21/2008	15.30	7.95	2.95
		7/21/2008	15.30	7.92	2.98
		1-14-09		7.75	
TC4-EPP 10:16	10.457	8/30/2006	9.93	7.62	2.84
		1/8/2007	9.93	7.95	2.51
		8/21/2007	9.93	7.91	2.55
		1/21/2008	9.93	7.53	2.93
		7/21/2008	9.93	7.41	3.05
		1-14-09		7.16	

NO NAPL

NO NAPL

NO NAPL

NO NAPL

NO NAPL

NO NAPL

NO NAPL

NO NAPL

NO NAPL

NO NAPL

NO NAPL

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

Well Number	Top of Casing Elevation (ft MSL)	Date	Depth to Bottom (ft toe)	Depth to Water (ft toe)	Groundwater Elevation (ft MSL)
TC4-EGP 1120	10.318	8/30/2006	9.93	7.51	2.81
		1/8/2007	9.93	7.95	2.37
		8/21/2007	9.93	7.77	2.55
		1/21/2008	9.93	7.37	2.95
		7/21/2008	9.93	7.40	2.92
		1-14-09		7.10	
TC4-EHP 955	9.851	8/30/2006	15.33	7.05	2.80
		1/8/2006	15.33	7.40	2.45
		8/21/2007	15.33	7.34	2.51
		1/21/2008	15.33	6.95	2.90
		7/21/2008	15.33	7.40	2.45
		1-14-09		6.68	
B158-MW1 980	9.370	7/21/2008 1-14-09	14.97	6.60 6.38	2.77
AreaD-MW1 1010	11.351	7/21/2008 1-14-09	16.69	8.41 8.25	2.94
FMY-MW1	8.314	1/14/09		6.05	

No NAPL

No NAPL

No NAPL

No NAPL

No NAPL

10:10

Notes:

ft toe = 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 #: <i>090114-1121</i>	Client: <i>Greenshield</i>
Sampler: <i>SK</i>	Start Date: <i>1-14-08</i>
Well I.D.: <i>MLVCL-1</i>	Well Diameter: <u>2</u> 3 4 6 8
Total Well Depth: <i>47.25</i>	Depth to Water: <i>6.52</i>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>RVC</u> Grade	Flow Cell Type: <i>YSI 556</i>

Purge Method: 2" Grundfos Pump Peristaltic Pump Bladder Pump
 Sampling Method: Dedicated Tubing New Tubing Other _____
 Flow Rate: 200 mL/min Pump Depth: 40.5 ft

Time	Temp. (°C or °F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	DTW
<i>0846</i>	<i>-</i>	<i>-</i>	<i>-</i>					
<i>0849</i>	<i>23.06</i>	<i>7.26</i>	<i>2275</i>	<i>1</i>	<i>1.00</i>	<i>-167.6</i>	<i>600</i>	<i>7.25</i>
<i>0852</i>	<i>22.91</i>	<i>7.34</i>	<i>24.46</i>	<i>1</i>	<i>0.61</i>	<i>-221.5</i>	<i>1200</i>	<i>7.25</i>
<i>0855</i>	<i>22.42</i>	<i>7.31</i>	<i>26.02</i>	<i>1</i>	<i>0.44</i>	<i>-246.1</i>	<i>1800</i>	<i>7.25</i>
<i>0856</i>	<i>22.85</i>	<i>7.28</i>	<i>27.57</i>	<i>1</i>	<i>0.66</i>	<i>-262.3</i>	<i>2400</i>	<i>7.25</i>
<i>0901</i>	<i>22.73</i>	<i>7.26</i>	<i>24.43</i>	<i>1</i>	<i>1.11</i>	<i>-270.6</i>	<i>3000</i>	<i>7.22</i>
<i>0904</i>	<i>22.61</i>	<i>7.24</i>	<i>30.09</i>	<i>1</i>	<i>0.87</i>	<i>-264.9</i>	<i>3600</i>	<i>7.23</i>
<i>0907</i>	<i>22.66</i>	<i>7.22</i>	<i>30.77</i>	<i>1</i>	<i>0.67</i>	<i>-274.7</i>	<i>4200</i>	<i>7.24</i>
<i>0910</i>	<i>22.76</i>	<i>7.22</i>	<i>32.98</i>	<i>1</i>	<i>0.60</i>	<i>-274.1</i>	<i>4800</i>	<i>7.24</i>

Did well dewater? Yes No Amount actually evacuated: *4.82*

Sampling Time: *0915* Sampling Date: *1-16-09*

Sample I.D.: *MLVCL-1* Laboratory: *ColScience*

Analyzed for: TPH-G BTEX MTBE TPH-D Other: *See C.C.C.*

Duplicate I.D.: _____

LOW FLOW WELL MONITORING DATA SHEET

Project #: <u>C4C114-K21</u>	Client: <u>GROSS/ITEC</u>
Sampler: <u>SK</u>	Start Date: <u>1-14-07</u>
Well I.D.: <u>MWCL-2</u>	Well Diameter: <u>2</u> 3 4 6 8
Total Well Depth: <u>14.20</u>	Depth to Water <u>6.65</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	Flow Cell Type: <u>1/31 S56</u>

Purge Method: <u>2" Grundfos Pump</u>	Peristaltic Pump	<u>Bladder Pump</u>
Sampling Method: <u>Dedicated Tubing</u>	<u>New Tubing</u>	Other _____
Flow Rate: <u>200 ml/min</u>	Pump Depth: <u>13 ft</u>	

Time	Temp. (°C or °F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	DTW
<u>0740</u>	<u>- Begin Rise</u>							
<u>0743</u>	<u>20.97</u>	<u>7.28</u>	<u>9.021</u>	<u>28</u>	<u>0.92</u>	<u>-26.5</u>	<u>600</u>	<u>6.84</u>
<u>0746</u>	<u>21.16</u>	<u>7.31</u>	<u>9.604</u>	<u>21</u>	<u>0.58</u>	<u>-38.0</u>	<u>1200</u>	<u>6.85</u>
<u>0749</u>	<u>21.24</u>	<u>7.32</u>	<u>10.05</u>	<u>17</u>	<u>0.75</u>	<u>-43.2</u>	<u>1800</u>	<u>6.85</u>
<u>0752</u>	<u>21.32</u>	<u>7.34</u>	<u>10.65</u>	<u>8</u>	<u>0.69</u>	<u>-44.7</u>	<u>2400</u>	<u>6.85</u>
<u>0755</u>	<u>21.34</u>	<u>7.33</u>	<u>10.87</u>	<u>6</u>	<u>0.71</u>	<u>-45.4</u>	<u>3000</u>	<u>6.85</u>
<u>0758</u>	<u>21.51</u>	<u>7.34</u>	<u>10.44</u>	<u>5</u>	<u>0.89</u>	<u>-52.7</u>	<u>3600</u>	<u>6.85</u>

Did well dewater? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Amount actually evacuated: <u>3.6L</u>
Sampling Time: <u>0803</u>	Sampling Date: <u>1-16-07</u>
Sample I.D.: <u>MWCL-2</u>	Laboratory: <u>Cal Science</u>
Analyzed for: TPH-G BTEX MTBE TPH-D	Other: <u>See C.O.C</u>
Equipment Blank I.D.: @ _____	Duplicate I.D.: _____

LOW FLOW WELL MONITORING DATA SHEET

Project #: <u>C90114-KC1</u>	Client: <u>Greenswater</u>
Sampler: <u>SR</u>	Start Date: <u>1-14-09</u>
Well I.D.: <u>MWCL-3</u>	Well Diameter: <u>2</u> 3 4 6 8
Total Well Depth: <u>4340</u>	Depth to Water: <u>460</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	Flow Cell Type: <u>YSI 556</u>

Purge Method: 2" Grundfos Pump Peristaltic Pump Bladder Pump
 Sampling Method: Dedicated Tubing New Tubing Other _____
 Flow Rate: 200 ml/min Pump Depth: 41.5 ft

Time	Temp. (°C or °F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	DTW
1057	- Begin Purge -							
1100	22.46	7.17	73.35	12	1.60	-6.4	600	9.54
1103	22.45	7.22	74.36	10	0.66	-27.4	1200	9.64
1106	22.42	7.23	74.54	9	0.58	-38.4	1800	9.47
1109	22.77	7.23	74.56	7	0.58	-41.1	2400	9.49
1112	22.74	7.23	74.55	5	0.71	-46.2	3000	10.02

Did well dewater? Yes No Amount actually evacuated: 3 L
 Sampling Time: 1117 Sampling Date: 1-16-09
 Sample I.D.: MWCL-3 Laboratory: CSI Science
 Analyzed for: TPH-G BTEX MTBE TPH-D Other: Le.C.O.C.
 Duplicate I.D.: _____

LOW FLOW WELL MONITORING DATA SHEET

Project #: <u>090114-KC1</u>	Client: <u>Geocon</u>
Sampler: <u>LA</u>	Start Date: <u>1-14-09</u>
Well I.D.: <u>MWCL-4</u>	Well Diameter: <u>2</u> 3 4 6 8
Total Well Depth: <u>14.30</u>	Depth to Water <u>7.99</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	Flow Cell Type: <u>1/2" 556</u>

Purge Method: 2" Grundfos Pump Peristaltic Pump Bladder Pump
 Sampling Method: Dedicated Tubing New Tubing Other _____
 Flow Rate: 200ml/min Pump Depth: 13 ft

Time	Temp. (°C or °F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	DTW
0950	-	-	-	-	-	-	-	-
0953	22.53	7.27	1.614	30	1.16	-209	600	8.21
0956	22.53	7.27	1.633	25	1.12	-224	1200	8.20
0959	22.77	7.26	1.643	21	1.03	-282	1800	8.20
1002	22.54	7.24	1.653	14	0.98	-324	2400	8.21
1005	22.10	7.23	1.663	11	0.96	-364	3000	8.21
1008	22.13	7.23	1.652	9	0.96	-367	3600	8.21
1011	22.15	7.22	1.652	8	0.99	-364	4200	8.20
1014	22.71	7.22	1.653	4	1.01	-370	4800	8.20

Did well dewater? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Amount actually evacuated: <u>4.82</u>
Sampling Time: <u>1019</u>	Sampling Date: <u>1-16-09</u>
Sample I.D.: <u>MWCL-4</u>	Laboratory: <u>Cal Science</u>
Analyzed for: TPH-G BTEX MTBE TPH-D	Other: <u>See C.O.C.</u>
	Duplicate I.D.: _____

LOW FLOW WELL MONITORING DATA SHEET

Project #: 090114-K01	Client: Geosyntec
Sampler: HC	Start Date: 01-14-09
Well I.D.: mwCL-5	Well Diameter: (2) 3 4 6 8
Total Well Depth: 42.50	Depth to Water Pre: 10.18 Post: 13.60
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 / 100 ml/min Pump Depth: 35

Time	Temp. (°C or °F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Observations
0746	—	—	Start Purge @ 200 ml/min	—	—	—	—	DTC:
0750	20.27	6.86	69,180	12	1.35	138.0	800	10.60
0753	20.49	6.89	69,350	14	0.72	114.3	1,400	11.80
0756	20.46	6.91	69,577	13	0.63	91.5	2,000	12.53
0759	20.33	6.93	69,511	13	0.68	71.3	^{adjusted to 100 ml/min} 2,300	12.92
0802	20.01	6.90	69,611	12	0.81	47.5	2,600	13.18
0805 0805	19.84	6.88	69,650	12	0.76	42.6	2,900	13.44
0808 0808	19.67	6.93	69,749	12	0.73	41.2	3,200	13.60

Did well dewater? Yes No Amount actually evacuated: 3,200

Sampling Time: 0811 Sampling Date: 01-16-09

Sample I.D.: mwCL-5 Laboratory: Calceidre

Analyzed for: TPH-G BTEX MTBE TPH-D Other: See (see)

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

LOW FLOW WELL MONITORING DATA SHEET

Project #: 090114-601	Client: <u>Essex</u>
Sampler: <u>HC</u>	Start Date: <u>1-14-09</u>
Well I.D.: <u>mwcl-6</u>	Well Diameter: <u>(2)</u> 3 4 6 8
Total Well Depth: <u>14.90</u>	Depth to Water Pre: <u>9.95</u> Post: <u>10.20</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>(PVC)</u> Grade	Flow Cell Type: <u>YSI 556</u>

Purge Method: 2" Grundfos Pump Peristaltic Pump Bladder Pump
 Sampling Method: Dedicated Tubing New Tubing Other _____
 Flow Rate: 200 ml/min Pump Depth: 12

Time	Temp. (°C or °F)	pH	Cond. (mg or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Observations
0853	—	—	Start Purge @ 200 ml/min	—	—	—	—	STW:
0857	20.56	7.37	7,768	20	0.13	-68.6	800	10.20
0900	20.52	7.35	6,949	18	0.13	-70.3	1,400	10.20
0903	20.63	7.32	6,513	13	0.11	-68.2	2,000	10.20
0906	20.50	7.31	6,342	12	0.11	-72.8	2,600	10.20
0909	20.58	7.29	6,289	12	0.13	-75.6	3,200	10.20
0912	20.57	7.27	6,266	11	0.14	-78.6	3,800	10.20

Did well dewater? Yes <u>(No)</u>	Amount actually evacuated: <u>3,800</u>
Sampling Time: <u>0915</u>	Sampling Date: <u>01-16-09</u>
Sample I.D.: <u>mwcl-6</u>	Laboratory: <u>See Sew</u>
Analyzed for: TPH-G BTEX MTBE TPH-D Other:	
Equipment Blank I.D.: @ Tune	Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 090114-KCI	Client: Geosyntec
Sampler: KC	Start Date: 01-14-09
Well I.D.: mwcl-7	Well Diameter: (2) 3 4 6 8
Total Well Depth: 65.00	Depth to Water Pre: 9.16 Post: 9.90
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: ~~40~~ ⁴¹ 60

Time	Temp. (°C or °F)	pH	Cond. (µS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Observations
1002	—	—	Start	Purge @	200 ml/min	—	—	DTLO:
1006	22.09	6.68	71,088	15	0.00	-93.6	800	9.81
1009	21.61	6.64	74,589	8	0.00	-103.5	1,400	9.90
1012	21.89	6.61	75,146	5	0.00	-113.4	2,000	9.90
1015	21.99	6.61	75,408	3	0.00	-115.1	2,600	9.90
1018	21.97	6.60	73,454	3	0.00	-116.1	3,200	9.90

Did well dewater? Yes <u>(No)</u>	Amount actually evacuated: 3,200
Sampling Time: 1021	Sampling Date: 01-16-09
Sample I.D.: mwcl-7	Laboratory: Calacience
Analyzed for: TPH-G BTEX MTBE TPH-D	Other: See SOW
Equipment Blank I.D.: @ <small>Time</small>	Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 090114-K01	Client: Geosyntec
Sampler: WC	Start Date: 01-14-09
Well I.D.: mwcl-8	Well Diameter: 2 3 4 6 8 <u>1"</u>
Total Well Depth: 12.00	Depth to Water Pre: 7.51 Post: 7.80
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> 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: 9

Time	Temp. (°C or °F)	pH	Cond. (mg or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or <u>ml</u>)	Observations
1104	—	—	Start purge @ ¹⁰⁰ / ₂₀₀ ml/min	—	—	—	—	Start
1112	19.31	6.95	23,205	>1000	1.60	98.0	800	
1115	19.06	6.96	22,478	>1000	1.28	101.2	1,100	
1118	19.36	6.96	21,404	>1000	1.06	100.3	1,400	
1132 ^{Rec} 1132	18.87	7.03	17,638	110	0.00	67.3	2,800	
1135	18.74	7.06	17,381	93	0.00	66.3	3,100 ^{gals} 3,100	
1138	18.74	7.07	17,112	96	0.00	65.4	3,400	
1141	18.76	7.07	17,062	100	0.00	64.3	3,700	
1144	18.80	7.08	16,990	99	0.00	63.4	4,000	7.80

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

Sampling Time: 1147 Sampling Date: 01-16-09

Sample I.D.: mwcl-8 Laboratory: CalScienc

Analyzed for: TPH-G BTEX MTBE TPH-D Other: See ROW

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

LOW FLOW WELL MONITORING DATA SHEET

Project #: 090114-KC1	Client: Gasolmatic
Sampler: KC	Start Date: 01-14-09
Well I.D.: BLD102-mw4	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth: 17.80	Depth to Water Pre: 6.74 Post: 6.80
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>KVC</u> 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

Time	Temp. (°C or °F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Observations
1001	—	—	Start Purge @ 200 ml/min	—	—	—	—	DTW:
1005	22.17	7.49	12,130	14	2.91	-146.8	800	6.80
1008	22.09	7.54	13,873	9	0.51	-182.5	1,400	6.78
1011	22.10	7.54	13,893	10	0.37	-187.1	2,000	6.80
1014	22.12	7.54	13,593	9	0.29	-192.0	2,600	6.80
1017	22.10	7.54	13,230	9	0.27	-194.4	3,200	6.80
1020	22.10	7.54	13,199	9	0.24	-195.9	3,800	6.80

Did well dewater? Yes <input type="radio"/> <u>No</u> <input checked="" type="radio"/>	Amount actually evacuated: 3,800
Sampling Time: 1023	Sampling Date: 01-15-09
Sample I.D.: BLD102-mw4	Laboratory: CalSciener
Analyzed for: TPH-G BTEX MTBE TPH-D Other: See SWD	
Equipment Blank I.D.: @ Time	Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: <u>C9C114-KU</u>	Client: <u>GLCS/ntec</u>
Sampler: <u>LK</u>	Start Date: <u>1/14/09</u>
Well I.D.: <u>BLD120-MW1</u>	Well Diameter: <u>3</u> <u>4</u> <u>6</u> <u>8</u>
Total Well Depth: <u>14.75</u>	Depth to Water Pre: <u>5.05</u> Post: <u>5.46</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	Flow Cell Type: <u>VSI 55C</u>

Purge Method: <u>2" Grundfos Pump</u>	Peristaltic Pump	Bladder Pump
Sampling Method: <u>Dedicated Tubing</u>	<u>New</u> Tubing	Other _____
Flow Rate: <u>20 L/min @ 1500</u>	Pump Depth: <u>13 ft</u>	

Time	Temp. (C or °F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Observations
<u>1247</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>DPL</u>
<u>1250</u>	<u>20.62</u>	<u>5.99</u>	<u>3.048</u>	<u>23</u>	<u>2.10</u>	<u>-43.5</u>	<u>600</u>	<u>5.31</u>
<u>1253</u>	<u>20.19</u>	<u>5.99</u>	<u>3.074</u>	<u>16</u>	<u>1.71</u>	<u>-5.9</u>	<u>1200</u>	<u>5.40</u>
<u>1258</u>	<u>14.43</u>	<u>5.97</u>	<u>3.094</u>	<u>15</u>	<u>1.51</u>	<u>-56.0</u>	<u>1800</u>	<u>5.42</u>
<u>1259</u> <u>1259</u>	<u>14.79</u>	<u>5.97</u>	<u>3.103</u>	<u>15</u>	<u>0.56</u>	<u>-60.0</u>	<u>2400</u>	<u>5.45</u>
<u>1302</u>	<u>14.70</u>	<u>5.96</u>	<u>3.103</u>	<u>12</u>	<u>0.76</u>	<u>-63.7</u>	<u>3000</u>	<u>5.46</u>
<u>1305</u>	<u>14.65</u>	<u>5.96</u>	<u>3.102</u>	<u>12</u>	<u>0.63</u>	<u>-68.4</u>	<u>3600</u>	<u>5.46</u>

Did well dewater? Yes <u>No</u>	Amount actually evacuated: <u>3.6L</u>
Sampling Time: <u>1300</u>	Sampling Date: <u>1/16/09</u>
Sample I.D.: <u>BLD120-MW1</u>	Laboratory: <u>C.I. Science</u>
Analyzed for: TPH-G BTEX MTBE TPH-D	Other: <u>See C.I.C.</u>
Equipment Blank I.D.: <u>Q68-6 @ 1330</u>	Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 090114-K1	Client: <u>Geosyntec</u>
Sampler: <u>KC</u>	Start Date: <u>01-14-09</u>
Well I.D.: <u>BLD120-mw2</u>	Well Diameter: 2 3 <u>(4)</u> 6 8
Total Well Depth: <u>13.33</u>	Depth to Water Pre: <u>5.31</u> Post: <u>5.95</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>(PVC)</u> Grade	Flow Cell Type: <u>YSI 556</u>

Purge Method: 2" Grundfos Pump Peristaltic Pump (Bladder Pump)
 Sampling Method: Dedicated Tubing (New Tubing) Other _____
 Flow Rate: 200 ml/min Pump Depth: 10

Time	Temp. (°C or °F)	pH	Cond. (mS or <u>µS</u>)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or <u>mL</u>)	Observations
1241	—	—	Start purge @ 200 ml/min			—	—	DTW:
1245	22.25	6.42	3526	35	0.89	-111.3	800	5.57
1248	22.12	6.39	3551	30	0.58	-117.4	1400	5.73
1251	22.02	6.39	3556	32	0.58	-119.6	2,000	5.81
1254	21.94	6.38	3557	31	0.55	-121.0	2,600	5.88
1257	21.94	6.38	3560	30	0.52	-122.8	3,200	5.95

Did well dewater? Yes <u>(No)</u>	Amount actually evacuated: <u>3,200</u>
Sampling Time: <u>1300</u>	Sampling Date: <u>01-15-09</u>
Sample I.D.: <u>BLD120-mw2</u>	Laboratory: <u>CalScience</u>
Analyzed for: TPH-G BTEX MTBE TPH-D Other: <u>See Sec 0</u>	
Equipment Blank I.D.: @ Time	Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 090114-KC1	Client: Geosyntec
Sampler: KC	Start Date: 01-14-09
Well I.D.: BLD120-mw3	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth: 14.35	Depth to Water Pre: 5.57 Post: 6.17
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	Flow Cell Type: <u>YSI 556</u>

Purge Method: 2" Grundfos Pump Peristaltic Pump Bladder Pump

Sampling Method: Dedicated Tubing New Tubing Other _____

Flow Rate: 200 ml/min Pump Depth: _____

Time	Temp. (°C or °F)	pH	Cond. (mS or μ S)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Observations
1342	—	—	Start Purge @ 200 ml/min	—	—	—	—	DTC:
1346	22.24	5.73	4417	31	1.14	-68.7	800	5.79
1349	22.00	5.66	4425	25	0.56	-77.2	1,400	5.89
1352	21.98	5.64	4423	22	0.47	-80.3	2,000	6.01
1355	22.16	5.63	4415	20	0.43	-84.4	2,600	6.09
1358	22.00	5.62	4423	20	0.41	-85.6	3,200	6.17

Did well dewater? Yes <u>No</u>	Amount actually evacuated: 3,200
Sampling Time: 1401	Sampling Date: 01-15-09
Sample I.D.: BLD120-mw3	Laboratory: Colscience
Analyzed for: TPH-G BTEX MTBE TPH-D	Other: See Sec
Equipment Blank I.D.: QCEB-3 @ Time 1434	Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 090114-K01	Client: Geosyntec
Sampler: KC	Start Date: 01-14-09
Well I.D.: BLD120-mw4	Well Diameter: (2) 3 4 6 8
Total Well Depth: 14.55	Depth to Water Pre: 4.74 Post: 5.81
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (EVC) 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: 10

Time	Temp. (°C or °F)	pH	Cond. (mS or μ S)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Observations
0852	—	—	Start	purge @	200 ml/min	—	—	DTW:
0856	22.95	6.78	4320	38	1.04	-169.8	800	5.04
0859	23.00	6.76	4364	32	0.59	-172.6	1,400	5.21
0902	23.30	6.91	4385	29	0.71	-177.4	2,000	5.56
0905	23.23	6.84	4390	26	0.98	-175.3	2,600	5.64
0908	23.32	6.79	4394	24	0.88	-180.3	3,200	5.75
0912	23.36	6.82	4398	23	0.83	-180.1	3,800	5.80
0915	23.33	6.85	4396	22	0.80	-180.1	4,400	5.81

Did well dewater? Yes (No) Amount actually evacuated: 4,400

Sampling Time: 0918 Sampling Date: 01-15-09

Sample I.D.: BLD120-mw4 Laboratory: Colwell Inc

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

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

LOW FLOW WELL MONITORING DATA SHEET

Project #: 090114-101	Client: Geosyntec
Sampler: KC	Start Date: 01-14-09
Well I.D.: BLD120-mw5	Well Diameter: (2) 3 4 6 8
Total Well Depth: 15.15	Depth to Water Pre: 5.72 Post: 5.92
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: 11

Time	Temp. (°C or °F)	pH	Cond. (mS or μ S)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Observations
0752	---	---	Start purge @ 200 ml/min	---	---	---	---	BTW:
0756	23.90	7.14	1617	81	1.33	113.8	800	5.93
0759	24.27	7.13	1572	50	0.92	95.7	1,400	5.83
0802	24.29	7.13	1543	38	0.89	83.4	2,000	5.86
0805	24.26	7.12	1534	36	0.91	72.1	2,600	5.91
0808	24.30	7.12	1532	37	0.95	57.9	3,200	5.90
0811	24.37	7.12	1525	39	0.98	58.3 48.3	3,800	5.92
0814	24.46	7.12	1526	37	100.1 1.01	45.9	4,400	5.92
0817	24.42	7.12	1526	38	100.1 1.03	41.7	5,000	5.92

Did well dewater? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Amount actually evacuated: 5,000
Sampling Time: 0820	Sampling Date: 01-14-09 ^{KLC} 01-15-09
Sample I.D.: BLD120-mw5	Laboratory: CalCoience
Analyzed for: TPH-G BTEX MTBE TPH-D	Other: See below
Equipment Blank I.D.: @	Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: <u>096114.004</u>	Client: <u>Crossintel</u>
Sampler: <u>SL</u>	Start Date: <u>1/14/09</u>
Well I.D.: <u>BLD120-MWG</u>	Well Diameter: <u>2</u> 3 4 6 8
Total Well Depth: <u>14.55</u>	Depth to Water: <u>5.23</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>RVC</u> Grade	Flow Cell Type: <u>VSI 556</u>

Purge Method: 2" Grundfos Pump Peristaltic Pump Bladder Pump
 Sampling Method: Dedicated Tubing New Tubing Other _____
 Flow Rate: 200 ml/min Pump Depth: 13 ft

Time	Temp. °C or °F	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	DTW
1201	-Begin Purge-							
1204	22.57	7.34	2.732	30	2.58	-140.5	600	5.42
1207	22.44	7.34	2.619	27	2.52	-137.7	1200	5.28
1210	22.22	7.32	2.560	26	2.00	-141.9	1800	5.29
1213	22.24	7.30	2.553	26	2.01	-138.2	2400	5.29

Did well dewater? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Amount actually evacuated: <u>2.46</u>
Sampling Time: <u>1215</u>	Sampling Date: <u>1/16/09</u>
Sample I.D.: <u>BLD120-MWG</u>	Laboratory: <u>Geo. Cal Science</u>
Analyzed for: TPH-G BTEX MTBE TPH-D Other: <u>see L.O.B.</u>	
Equipment Blank I.D. @ Duplicate I.D.:	

LOW FLOW WELL MONITORING DATA SHEET

Project #: <u>090114-KC1</u>	Client: <u>Carroll</u>
Sampler: <u>BLD131-116-6 SK</u>	Start Date: <u>1-14-09</u>
Well I.D.: <u>BLD131-116-6</u>	Well Diameter: <u>2</u> 3 4 6 8
Total Well Depth: <u>1519</u>	Depth to Water Pre: <u>6.48</u> Post:
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <input checked="" type="checkbox"/> VC Grade	Flow Cell Type: <u>YSI 55C</u>

Purge Method: 2" Grundfos Pump Peristaltic Pump Bladder Pump
 Sampling Method: Dedicated Tubing New Tubing Other _____
 Flow Rate: 200 ml/min Pump Depth: 14 ft

Time	Temp. (°C or °F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Observations
<u>1350</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>DPL 2</u>
<u>1353</u>	<u>25.19</u>	<u>7.34</u>	<u>4.820</u>	<u>20</u>	<u>0.91</u>	<u>-138.4</u>	<u>600</u>	<u>6.48</u>
<u>1356</u>	<u>24.81</u>	<u>7.48</u>	<u>4.884</u>	<u>16</u>	<u>0.74</u>	<u>-145.1</u>	<u>1200</u>	<u>6.89</u>
<u>1359</u>	<u>24.45</u>	<u>7.48</u>	<u>4.898</u>	<u>11</u>	<u>0.87</u>	<u>-149.6</u>	<u>1800</u>	<u>6.88</u>
<u>1402</u>	<u>24.22</u>	<u>7.48</u>	<u>4.913</u>	<u>8</u>	<u>0.52</u>	<u>-152.5</u>	<u>2400</u>	<u>6.89</u>
<u>1405</u>	<u>24.06</u>	<u>7.48</u>	<u>4.910</u>	<u>7</u>	<u>0.46</u>	<u>-153.7</u>	<u>3000</u>	<u>6.89</u>
<u>1408</u>	<u>23.93</u>	<u>7.48</u>	<u>4.896</u>	<u>5</u>	<u>0.42</u>	<u>-153.6</u>	<u>3600</u>	<u>6.89</u>

Did well dewater? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Amount actually evacuated: <u>36L</u>
Sampling Time: <u>1413</u>	Sampling Date: <u>1-16-09</u>
Sample I.D.: <u>BLD131-116-6</u>	Laboratory: <u>Cal Science</u>
Analyzed for: TPH-G BTEX MTBE TPH-D	Other: <u>See C.C.C.</u>
Equipment Blank I.D.: @ _____	Duplicate I.D.: _____

LOW FLOW WELL MONITORING DATA SHEET

Project #: <u>090114-1101</u>	Client: <u>Prospital</u>
Sampler: <u>LC</u>	Start Date: <u>1/14/09</u>
Well I.D.: <u>BLO120-MW7</u>	Well Diameter: <u>3</u> 3 4 6 8
Total Well Depth: <u>15.03</u>	Depth to Water Pre: <u>6.19</u> Post: <u>7.49</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	Flow Cell Type: <u>YSI 556</u>

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	Temp. (°C or °F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or <u>ML</u>)	Observations
0735	- Begin	Purge -						Over-
0736	21.31	6.58	4.399	241	5.10	-98.8	600	6.58
0741	21.20	6.59	4.606	69	0.97	-118.3	1200	7.02
0744	21.24	6.59	4.625	58	1.16	-126.6	1400	7.23
0747	21.39	6.58	4.637	43	0.62	-130.8	2400	7.20
0750	21.40	6.57	4.671	34	0.53	-135.4	3200	7.25
0753	21.43	6.58	4.733	30	0.44	-136.0	3600	7.38
0756	21.53	6.59	4.786	24	0.41	-135.2	4200	7.40
0759	21.64	6.60	4.839	23	0.37	-137.4	4800	7.45
0802	21.57	6.61	4.879	22	0.34	-140.1	5400	7.48

Did well dewater? Yes No Amount actually evacuated: 54L

Sampling Time: 0807 Sampling Date: 1/15/09

Sample I.D.: BLO120-MW7 Laboratory: Cal Science

Analyzed for: TPH-G BTEX MTBE TPH-D Other: See C.O.L.

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

LOW FLOW WELL MONITORING DATA SHEET

Project #: 090114-KC1	Client: <u>Geosyntec</u>
Sampler: <u>KC</u>	Start Date: <u>01-14-09</u>
Well I.D.: <u>BLD131-mw3</u>	Well Diameter: <u>②</u> 3 4 6 8 _____
Total Well Depth: <u>14.46</u>	Depth to Water Pre: <u>6.59</u> Post: <u>6.78</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	Flow Cell Type: <u>PSI 556</u>

Purge Method: 2" Grundfos Pump Peristaltic Pump Bladder Pump

Sampling Method: Dedicated Tubing New Tubing Other _____

Flow Rate: 200 ml/min Pump Depth: 10.53

Time	Temp. (°C or °F)	pH	Cond. (mS or <u>µS</u>)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or <u>mL</u>)	Observations
1246	_____	_____	Start purge @	_____	_____	_____	_____	DTW:
1250	22.71	6.85	4098	32	0.00	-157.6	800	_____
1253	22.62	6.76	4083	32	0.03	-140.8	1,400	_____
1256	22.69	6.83	4085	31	0.00	-158.0	2,000	6.74
1259	22.69	6.84	4093	30	0.00	-160.6	2,600	6.78
1302	22.68	6.84	4101	29	0.00	-162.5	3,200	6.75
1305	22.69	6.84	4103	30	0.00	-170.2	3,800	6.78

Did well dewater? Yes <u>No</u>	Amount actually evacuated: <u>3,800 ml</u>
Sampling Time: <u>1308</u>	Sampling Date: <u>01-14-09</u>
Sample I.D.: <u>BLD131-mw3</u>	Laboratory: <u>elacscience</u>
Analyzed for: TPH-G BTEX MTBE TPH-D Other: <u>See SOW</u>	
Equipment Blank I.D.: @ Time	Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 090114-KC1	Client: <u>Geodyntec</u>
Sampler: <u>KC</u>	Start Date: <u>01-14-09</u>
Well I.D.: <u>BLD131-mw3D</u>	Well Diameter: <u>(2)</u> 3 4 6 8
Total Well Depth: <u>39.88</u>	Depth to Water Pre: <u>7.64</u> Post: <u>9.40</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	Flow Cell Type: <u>YSI 556</u>

Purge Method: 2" Grundfos Pump Peristaltic Pump Bladder Pump
 Sampling Method: Dedicated Tubing New Tubing Other _____
 Flow Rate: 200 ml/min Pump Depth: 35.00

Time	Temp. (°C or °F)	pH	Cond. (<u>µS</u> or <u>µS</u>)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or <u>mL</u>)	Observations
1356	—	—	Start Purge @ 200 ml/min	—	—	—	—	DTW:
1400	22.80	7.00	61,825	7	0.50	-128.7	800	8.40
1403	22.95	6.97	62,156	6	0.54	-133.7	1,400	8.85
1406	22.96	6.96	62,346	6	0.52	-153.5	2,000	9.10
1409	22.94	6.95	62,405	6	0.49	-163.7	2,600	9.21
1412	22.96	6.95	62,404	6	0.46	-169.4	3,200	9.33
1415	22.93	6.94	62,466	6	0.43	-171.3	3,800	9.40

Did well dewater? Yes <input type="radio"/> No <input checked="" type="radio"/>	Amount actually evacuated: <u>3,800</u>
Sampling Time: <u>1418</u>	Sampling Date: <u>01-14-09</u>
Sample I.D.: <u>BLD131-mw3D</u>	Laboratory: <u>calscienc</u>
Analyzed for: TPH-G BTEX MTBE TPH-D Other: <u>See below</u>	
Equipment Blank I.D.: <u>QCEB-1</u> @ Time <u>1440</u>	Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 090114-1601	Client: <u>Geocontec</u>
Sampler: <u>KL</u>	Start Date: <u>01-14-09</u>
Well I.D.: <u>BLD131-mw4</u>	Well Diameter: 2 3 4 6 8 _____
Total Well Depth: <u>13.70</u>	Depth to Water Pre: <u>6.46</u> Post: <u>6.66</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	Flow Cell Type: <u>YSI 556</u>

Purge Method: 2" Grundfos Pump Peristaltic Pump Bladder Pump
 Sampling Method: Dedicated Tubing New Tubing Other _____
 Flow Rate: 200^{ml}/min Pump Depth: YSI 556

Time	Temp. (°C or °F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Observations
1134	—	—	Start purge @ 200 ^{ml} /min	—	—	—	—	DW:
1138	22.43	6.97	1634	83	2.50	-58.9	800	6.70
1141	22.59	6.90	1568	63	0.43	-63.6	1,400	6.68
1144	22.61	6.90	1558	59	0.35	-69.4	2,000	6.66
1147	22.62	6.89	1551	64	0.31	-75.6	2,600	6.66
1150	22.60	6.90	1548	60	0.30	-77.3	3,200	6.66

Did well dewater? Yes <u>No</u>	Amount actually evacuated: <u>3,200</u>
Sampling Time: <u>1153</u>	Sampling Date: <u>01-15-09</u>
Sample I.D.: <u>BLD131-mw4</u>	Laboratory: <u>CalScienc</u>
Analyzed for: TPH-G BTEX MTBE TPH-D	Other: <u>See 880</u>
Equipment Blank I.D.: @ Time	Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 090114-V01	Client: <u>Geosyntec</u>
Sampler: <u>KC</u>	Start Date: <u>01-14-09</u>
Well I.D.: 8.75 ^{KC} <u>BLD131-mw05</u>	Well Diameter: <u>(2)</u> 3 4 6 8
Total Well Depth: <u>13.55</u>	Depth to Water Pre: <u>7.67</u> Post: <u>7.83</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>(PVC)</u> Grade	Flow Cell Type: <u>YSI 556</u>

Purge Method: 2" Grundfos Pump Peristaltic Pump Bladder Pump

Sampling Method: Dedicated Tubing New Tubing Other _____

Flow Rate: 200 ml/min Pump Depth: 10

Time	Temp. (°C or °F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or <u>ml</u>)	Observations
1047	—	—	Start purge @ 200 ml/min			—	—	DTC:
1051	23.29	6.98	4,341	83	1.28	-159.3	800	7.83
1054	23.62	6.97	4,306	56	0.36	-163.8	1,400	7.83
1057	23.80	6.97	4,363	41	0.38	-166.9	2,000	7.83
1100	23.88	6.98	4,428	39	0.43	-168.5	2,600	7.83
1103	23.95	6.99	4,410	39	0.40	-169.5	3,200	7.83

Did well dewater? Yes <u>(No)</u>	Amount actually evacuated: <u>3,200</u>
Sampling Time: <u>1106</u>	Sampling Date: <u>01-15-09</u>
Sample I.D.: <u>BLD131-mw05</u>	Laboratory: <u>Calciener</u>
Analyzed for: TPH-G BTEX MTBE TPH-D Other: <u>See SOW</u>	
Equipment Blank I.D.: @ Time	Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: <u>090114-1001</u>	Client: <u>Geospatial</u>
Sampler: <u>SK</u>	Start Date: <u>1/14/09</u>
Well I.D.: <u>BLD150-MW2</u>	Well Diameter: <u>2</u> 3 4 6 8
Total Well Depth: <u>13.26</u>	Depth to Water Pre: <u>6.52</u> Post: <u>6.74</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	Flow Cell Type: <u>1/5155C</u>

Purge Method: <u>2" Grundfos Pump</u>	Peristaltic Pump	<u>Sample #2</u> Bladder Pump
Sampling Method: <u>Dedicated Tubing</u>	<u>New Tubing</u>	Other
Flow Rate: <u>200 L/min</u>	Pump Depth: <u>11.5</u>	

Time	Temp. (C or °F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Observations
<u>0844</u>	<u>- Bladder Pump -</u>							
<u>0847</u>	<u>21.44</u>	<u>6.33</u>	<u>6.177</u>	<u>65</u>	<u>1.68</u>	<u>-62.1</u>	<u>600</u>	<u>D74 = 6.68</u>
<u>0850</u>	<u>21.45</u>	<u>6.33</u>	<u>6.274</u>	<u>66</u>	<u>1.09</u>	<u>-70.4</u>	<u>1200</u>	<u>6.72</u>
<u>0853</u>	<u>21.41</u>	<u>6.31</u>	<u>6.307</u>	<u>34</u>	<u>0.63</u>	<u>-78.4</u>	<u>1800</u>	<u>6.74</u>
<u>0856</u>	<u>21.45</u>	<u>6.20</u>	<u>6.321</u>	<u>32</u>	<u>0.53</u>	<u>-63.9</u>	<u>2400</u>	<u>6.72</u>
<u>0859</u>	<u>21.47</u>	<u>6.21</u>	<u>6.326</u>	<u>28</u>	<u>0.52</u>	<u>-65.4</u>	<u>3000</u>	<u>6.72</u>
<u>0902</u>	<u>21.46</u>	<u>6.22</u>	<u>6.328</u>	<u>26</u>	<u>0.55</u>	<u>-69.1</u>	<u>3600</u>	<u>6.74</u>
<u>0906</u>	<u>22.01</u>	<u>6.20</u>	<u>6.326</u>	<u>24</u>	<u>0.59</u>	<u>-64.2</u>	<u>4200</u>	<u>6.73</u>
<u>0909</u>	<u>21.98</u>	<u>6.18</u>	<u>6.314</u>	<u>24</u>	<u>0.61</u>	<u>-60.1</u>	<u>4800</u>	<u>6.74</u>

Did well dewater? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Amount actually evacuated: <u>4.5 L</u>
Sampling Time: <u>0913</u>	Sampling Date: <u>1/15/09</u>
Sample I.D.: <u>BLD150-MW2</u>	Laboratory: <u>California</u>
Analyzed for: TPH-G BTEX MTBE TPH-D	Other: <u>See C.C.C.</u>
Equipment Blank I.D.: <u>@</u>	Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 090114-KC1	Client: GEOSYNTEC
Sampler: SK	Start Date: 1-14-09
Well I.D.: FAY-AW1	Well Diameter: 2 3 4 6 8
Total Well Depth: 15.04	Depth to Water: 5.55
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: 250 ml/min

Pump Depth: 14'

Time	Temp. (C or °F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	DTW
0954	- Purge	Purge						
0957	24.71	5.62	2.192	56	1.53	-23.1	600	5.51
1000	24.31	5.59	3.993	56	1.10	-31.1	1200	5.61
1003	24.21	5.63	4.030	56	0.74	-34.9	1800	5.64
1006	24.05	5.67	4.063	57	0.67	-39.6	2400	5.68
1009	23.64	5.72	4.135	53	0.67	-44.1	3000	5.71
1012	23.41	5.76	4.194	49	0.59	-76.9	3600	5.74
1015	23.43	5.60	4.290	49	0.56	-81.2	4200	5.77
1016	23.73	5.43	4.302	47	0.57	-86.4	4800	5.41

Did well dewater? Yes No Amount actually evacuated: 4.92

Sampling Time: 1023 Sampling Date: 1-15-09

Sample I.D.: FAY-AW1 Laboratory: Science

Analyzed for: TPH-G BTEX MTBE TPH-D Other: see C.O.C.

Duplicate I.D.: _____ @ _____

LOW FLOW WELL MONITORING DATA SHEET

Project #: <u>090114-KC1</u>	Client: <u>CalSystec</u>
Sampler: <u>SK</u>	Start Date: <u>1-16-08</u>
Well I.D.: <u>BLODND-MW4</u>	Well Diameter: <u>(2)</u> 3 4 6 8
Total Well Depth: <u>111.97</u>	Depth to Water Pre: <u>4.79</u> Post: <u>5.51</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	Flow Cell Type: <u>V51 554</u>

Purge Method: 2" Grundfos Pump Peristaltic Pump Simple As Bladder Pump
 Sampling Method: Dedicated Tubing New Tubing Other _____
 Flow Rate: 200 ml/min Pump Depth: 13.5 ft

Time	Temp. (°C or °F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Observations
1100	- Begin Purge -							
1103	20.75	6.12	1.229	55	1.33	-624	600	5.25
1106	20.72	6.12	1.234	46	1.20	-633	1200	5.38
1109	20.57	6.13	1.233	41	1.04	-67.1	1800	5.45
1112	20.45	6.17	1.232	37	0.67	-68.9	2400	5.53
1115	20.36	6.14	1.234	36	0.59	-68.7	3000	5.52
1118	20.37	6.16	1.236	35	0.54	-68.7	3600	5.51

Did well dewater? Yes <u>(No)</u>	Amount actually evacuated: <u>3.6L</u>
Sampling Time: <u>1123</u>	Sampling Date: <u>1-15-08</u>
Sample I.D.: <u>BLODND-MW4</u>	Laboratory: <u>CalSystec</u>
Analyzed for: TPH-G BTEX MTBE TPH-D Other: <u>See C.O.C.</u>	
Equipment Blank I.D.: @ Time	Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 090114-201	Client: <u>Greenspring</u>
Sampler: <u>GR</u>	Start Date: <u>1.14.08</u>
Well I.D.: <u>BLD120-MW9</u>	Well Diameter: <u>2</u> 3 4 6 8
Total Well Depth: <u>15.21</u>	Depth to Water Pre: <u>4.63</u> Post: _____
Depth to Free Product: _____	Thickness of Free Product (feet): _____
Referenced to: <u>RVC</u> Grade	Flow Cell Type: <u>YS1556</u>

Purge Method: 2" Grundfos Pump Peristaltic Pump Bladder Pump
 Sampling Method: Dedicated Tubing New Tubing Other _____
 Flow Rate: 2.22 gpm/min Pump Depth: 13.5 ft

Time	Temp. (C or °F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or L)	Observations
1146	-	-	-	-	-	-	-	DLW =
1151	21.64	5.75	2.526	111	1.53	-334	600	5.34
1154	21.16	5.76	2.535	105	1.50	-361	1200	5.34
1157	20.41	5.74	2.531	93	0.72	-34.1	1800	5.41
1200	20.00	5.73	2.427	79	0.74	-39.2	2400	5.40
1203	19.67	5.72	2.522	63	0.61	-400	3000	5.42
1206	19.43	5.71	2.507	55	0.60	-407	3600	5.45
1209	19.27	5.71	2.409	47	0.59	-41.5	4200	5.44
1212	19.14	5.70	2.442	46	0.59	-41.9	4800	5.42
1215	19.12	5.70	2.479	43	0.59	-41.6	5400	5.43

Did well dewater? Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/>	Amount actually evacuated: _____
Sampling Time: <u>1220</u>	Sampling Date: <u>1-15-08</u>
Sample I.D.: <u>BLD120-MW9</u>	Laboratory: <u>C&S Science</u>
Analyzed for: TPH-G BTEX MTBE TPH-D	Other: <u>See C.O.C.</u>
Equipment Blank I.D.: _____ @ _____ Time	Duplicate I.D.: _____

LOW FLOW WELL MONITORING DATA SHEET

Project #: <u>0910114-101</u>	Client: <u>Fred's Motel</u>
Sampler: <u>511</u>	Start Date: <u>1/14/09</u>
Well I.D.: <u>BLD158-MW1</u>	Well Diameter: <u>2</u> 3 4 6 8
Total Well Depth: <u>14.97</u>	Depth to Water <u>6.36</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	Flow Cell Type: <u>134m VSI 255</u>

Purge Method: 2" Grundfos Pump Peristaltic Pump Bladder Pump
 Sampling Method: Dedicated Tubing New Tubing Other _____
 Flow Rate: 200 ml/min Pump Depth: 135 ft

Time	Temp. (°C or °F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	DTW
1257	-	-	-	-	-	-	-	-
1300	21.11	7.13	6576	434	2.12	94.9	600	6.36
1303	20.66	7.17	6469	30	1.66	107.9	1200	6.41
1306	20.35	7.19	6365	905	1.60	112.0	1400	6.44
1309	20.11	7.18	6312	963	1.61	116.4	2400	6.44
1312	19.49	7.20	6315	681	1.65	116.5	3000	6.46
1315	19.95	7.20	6314	559	1.65	119.1	3600	6.43
1318	19.60	7.25	6060	451	2.15	115.2	4200	6.42
1321	19.70	7.27	6027	263	2.15	117.3	4800	6.44
1324	19.64	7.27	6023	254	2.17	117.3	5400	6.43
1327	19.67	7.27	6005	242	2.19	117.3	6000	6.45

Did well dewater? Yes No Amount actually evacuated: 6L

Sampling Time: 1332 Sampling Date: 1-15-09

Sample I.D.: ~~BLD158-MW1~~ BLD158-MW1 Laboratory: CalScience

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

Blank I.D.: @ Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: <u>090114-KC1</u>	Client: <u>Freeport</u>
Sampler: <u>51c</u>	Start Date: <u>1-14-09</u>
Well I.D.: <u>AREA D - MW1</u>	Well Diameter: <u>2</u> 3 4 6 8 _____
Total Well Depth: <u>16.69</u>	Depth to Water <u>8.25</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	Flow Cell Type: <u>YS155C</u>

Purge Method: 2" Grundfos Pump

Peristaltic Pump

Bladder Pump

Sampling Method: Dedicated Tubing

New Tubing

Other _____

Flow Rate: 200 ml/min

Pump Depth: 15 ft

Time	Temp. (C or °F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	DTW
<u>1359</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>
<u>1402</u>	<u>22.95</u>	<u>10.74</u>	<u>3.194</u>	<u>59</u>	<u>1.25</u>	<u>-65.9</u>	<u>600</u>	<u>8.30</u>
<u>1405</u>	<u>22.35</u>	<u>10.46</u>	<u>3.243</u>	<u>57</u>	<u>0.93</u>	<u>-101.8</u>	<u>1200</u>	<u>8.30</u>
<u>1408</u>	<u>21.97</u>	<u>10.46</u>	<u>3.259</u>	<u>42</u>	<u>0.60</u>	<u>-101.7</u>	<u>1500</u>	<u>8.29</u>
<u>1411</u>	<u>21.67</u>	<u>10.46</u>	<u>3.266</u>	<u>30</u>	<u>0.44</u>	<u>-107.5</u>	<u>2400</u>	<u>8.30</u>
<u>1414</u>	<u>21.41</u>	<u>10.41</u>	<u>3.268</u>	<u>26</u>	<u>0.50</u>	<u>-94.5</u>	<u>3000</u>	<u>8.30</u>
<u>1417</u>	<u>21.24</u>	<u>10.47</u>	<u>3.271</u>	<u>23</u>	<u>0.43</u>	<u>-99.7</u>	<u>3600</u>	<u>8.30</u>
<u>1420</u>	<u>21.14</u>	<u>10.44</u>	<u>3.266</u>	<u>14</u>	<u>0.44</u>	<u>-97.4</u>	<u>4200</u>	<u>8.29</u>
<u>1423</u>	<u>21.13</u>	<u>10.40</u>	<u>3.267</u>	<u>17</u>	<u>0.43</u>	<u>-97.9</u>	<u>4800</u>	<u>8.29</u>
<u>1426</u>	<u>21.04</u>	<u>10.92</u>	<u>3.267</u>	<u>14</u>	<u>0.40</u>	<u>-99.1</u>	<u>5400</u>	<u>8.29</u>

Did well dewater? Yes No

Amount actually evacuated: 5.46

Sampling Time: 1431

Sampling Date: 1-15-09

Sample I.D.: Area D - MW1

Laboratory: Gal Science

Analyzed for: TPH-G BTEX MTBE TPH-D

Other: SLC C.O.C.

Equipment Blank I.D.: QLEAD @ 1445

Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: <u>09E114-1201</u>	Client: <u>7005/ptec</u>
Sampler: <u>SIC</u>	Start Date: <u>1.14.09</u>
Well I.D.: <u>BLD171-MW2</u>	Well Diameter: <u>2</u> 3 4 6 8
Total Well Depth: <u>14.51</u>	Depth to Water Pre: <u>6.66</u> Post: _____
Depth to Free Product: _____	Thickness of Free Product (feet): _____
Referenced to: <u>VC</u> Grade	Flow Cell Type: _____

Purge Method: <u>2" Grundfos Pump</u>	Peristaltic Pump <input type="checkbox"/>	<u>Sample pro</u>
Sampling Method: <u>Dedicated Tubing</u>	New Tubing <input checked="" type="checkbox"/>	Bladder Pump <input type="checkbox"/>
Flow Rate: <u>200ml/min</u>	Pump Depth: <u>13 ft</u>	Other <input type="checkbox"/>

Time	Temp. (C or °F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Observations
1334	-	<u>Begin Purge</u>						
1337	<u>23.60</u>	<u>6.73</u>	<u>4.420</u>	<u>21</u>	<u>0.73</u>	<u>-130.9</u>	<u>600</u>	<u>6.68</u>
1340	<u>23.37</u>	<u>6.72</u>	<u>4.273</u>	<u>17</u>	<u>2.31</u>	<u>-133.8</u>	<u>1200</u>	<u>6.68</u>
1343	<u>23.14</u>	<u>6.70</u>	<u>3.921</u>	<u>17</u>	<u>0.62</u>	<u>-135.4</u>	<u>1800</u>	<u>6.68</u>
1346	<u>23.03</u>	<u>6.65</u>	<u>3.716</u>	<u>14</u>	<u>0.49</u>	<u>-145.7</u>	<u>2400</u>	<u>6.68</u>
1349	<u>22.92</u>	<u>6.67</u>	<u>3.633</u>	<u>14</u>	<u>0.45</u>	<u>-143.3</u>	<u>3000</u>	<u>6.68</u>
1352	<u>22.83</u>	<u>6.67</u>	<u>3.572</u>	<u>13</u>	<u>0.38</u>	<u>-141.4</u>	<u>3600</u>	<u>6.68</u>
1355	<u>22.77</u>	<u>6.66</u>	<u>3.545</u>	<u>13</u>	<u>0.35</u>	<u>-145.6</u>	<u>4200</u>	<u>6.68</u>

Did well dewater? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Amount actually evacuated: <u>4.24</u>
Sampling Time: <u>1400</u>	Sampling Date: <u>1.14.09</u>
Sample I.D.: <u>BLD-MW2</u>	Laboratory: <u>Cal Science</u>
Analyzed for: TPH-G BTEX MTBE TPH-D	Other: <u>See C.C.C.</u>
Equipment Blank I.D.: <u>GCES @ 1425</u> <small>Time</small>	Duplicate I.D.: _____

LOW FLOW WELL MONITORING DATA SHEET

Project #: <u>090114-KC1</u>	Client: <u>Freesync</u>
Sampler: <u>SK</u>	Start Date: <u>1.14.09</u>
Well I.D.: <u>BLD131-MW2D</u>	Well Diameter: <u>2</u> 3 4 6 8
Total Well Depth: <u>40.08</u>	Depth to Water Pre: <u>7.14</u> Post: <u>7.54</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>VVC</u> Grade	Flow Cell Type: <u>VSI 556</u>

Purge Method: 2" Grundfos Pump Peristaltic Pump
 Sampling Method: Dedicated Tubing New Tubing Bladder Pump
 Flow Rate: 20 L/min Pump Depth: 35'

Time	Temp. (C or F)	pH	Cond. (mS or μS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Observations
1240	- Start	Purge						
1243	23.60	6.59	6566	19	0.69	101.2	600	DTL =
1246	23.48	6.58	6582	10	0.55	57.8	1200	7.79
1249	23.36	6.57	6585	5	0.97	42.2	1800	7.65
1252	23.26	6.57	6586	5	1.41	29.1	1800	7.91
1255	23.25	6.57	6585	5	1.24	27.2	2400	7.90
1258	23.19	6.57	6584	5	0.94	24.2	3000	7.87
1301	23.15	6.57	6584	5	0.82	23.5	3600	7.83
1304	23.12	6.57	6583	5	0.67	24.0	4200	7.84
							3000	7.84

Did well dewater? Yes No

Amount actually evacuated: 3L

Sampling Time: 1309 Sampling Date: 1.14.09

Sample I.D.: BLD131-MW2D Laboratory: Cal Science

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

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

LOW FLOW WELL MONITORING DATA SHEET

Project #: 090114-K01	Client: Geosyntec
Sampler: KC	Start Date: 01-14-09
Well I.D.: TC4EGP	Well Diameter: 2 3 4 6 8 <u>1"</u>
Total Well Depth: 9.93	Depth to Water Pre: 7.10 Post: 8.10
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	Flow Cell Type: YSI 556

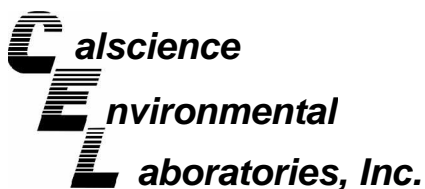
Purge Method: 2" Grundfos Pump Peristaltic Pump Bladder Pump
 Sampling Method: Dedicated Tubing New Tubing Other _____
 Flow Rate: 100 ml/min Pump Depth: 9.5

Time	Temp. (°C or °F)	pH	Cond. (µS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Observations
1336	—	—	Start Purge @ 100 ml/min	—	—	—	—	TEST
1344	20.11	6.93	11688	47	0.00	-187.1	800	
1347	19.88	6.89	1386	16	0.00	-192.1	1100	
1350	19.92	6.86	1200	11	0.00	-187.3	1400	
1353	19.99	6.86	1176	10	0.00	-187.1	1700	
1356	20.05	6.85	1169	10	0.00	-186.3	2,000	8.10

Did well dewater? Yes <u>No</u>	Amount actually evacuated: 2,000
Sampling Time: 1359	Sampling Date: 01-14-09
Sample I.D.: TC4EGP	Laboratory: CalScience
Analyzed for: TPH-G BTEX MTBE TPH-D	Other: See Spec
Equipment Blank I.D.: QCEB-5 @ time 1445	Duplicate I.D.:

APPENDIX D

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



January 30, 2009

Brian Hitchens
GeoSyntec Consultants
10875 Rancho Bernardo Road, Suite 200
San Diego, CA 92127-2116

Subject: **Calscience Work Order No.: 09-01-1396**
Client Reference: Teledyne Ryan

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 1/16/2009 and analyzed in accordance with the attached chain-of-custody.

Unless otherwise noted, all analytical testing was accomplished in accordance with the guidelines established in our Quality Systems Manual, applicable standard operating procedures, and other related documentation. The original report of subcontracted analysis, if any, is provided herein, and follows the standard Calscience data package. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety.

If you have any questions regarding this report, please do not hesitate to contact the undersigned.

Sincerely,

Calscience Environmental
Laboratories, Inc.
Stephen Nowak
Project Manager

A handwritten signature in black ink, appearing to be 'Stephen Nowak', located at the bottom left of the page.

GeoSyntec Consultants
 10875 Rancho Bernardo Road, Suite 200
 San Diego, CA 92127-2116

Date Received: 01/16/09
 Work Order No: 09-01-1396
 Preparation: EPA 3010A Total / EPA 7470A Total
 Method: EPA 6010B / EPA 7470A
 Units: mg/L

Project: Teledyne Ryan

Page 1 of 2

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MWCL-5	09-01-1396-1-G	01/16/09 08:11	Aqueous	ICP 5300	01/19/09	01/20/09 15:51	090119LA4

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.
 -Mercury was analyzed on 1/22/2009 2:38:25 PM with batch 090122L02

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Antimony	0.00375	0.0150	0.00209	1	J	Mercury	ND	0.000500	0.0000177	1	
Arsenic	ND	0.0100	0.00308	1		Molybdenum	ND	0.00500	0.000800	1	
Barium	0.0548	0.0100	0.000719	1		Nickel	0.00290	0.00500	0.00137	1	J
Beryllium	ND	0.00100	0.000176	1		Selenium	0.0319	0.0150	0.00295	1	
Cadmium	ND	0.00500	0.000350	1		Silver	ND	0.00500	0.000400	1	
Chromium	ND	0.00500	0.000350	1		Thallium	ND	0.0150	0.00233	1	
Cobalt	ND	0.00500	0.000696	1		Vanadium	0.00269	0.00500	0.000314	1	J
Copper	0.00553	0.00500	0.00134	1		Zinc	0.00679	0.0100	0.000848	1	J
Lead	ND	0.0100	0.00236	1							

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MWCL-6	09-01-1396-2-I	01/16/09 09:15	Aqueous	ICP 5300	01/19/09	01/20/09 15:54	090119LA4

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.
 -Mercury was analyzed on 1/22/2009 2:45:02 PM with batch 090122L02

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Antimony	ND	0.0150	0.00209	1		Mercury	0.000772	0.000500	0.0000177	1	
Arsenic	ND	0.0100	0.00308	1		Molybdenum	ND	0.00500	0.000800	1	
Barium	0.0610	0.0100	0.000719	1		Nickel	ND	0.00500	0.00137	1	
Beryllium	0.000183	0.00100	0.000176	1	J	Selenium	0.00358	0.0150	0.00295	1	J
Cadmium	ND	0.00500	0.000350	1		Silver	ND	0.00500	0.000400	1	
Chromium	ND	0.00500	0.000350	1		Thallium	ND	0.0150	0.00233	1	
Cobalt	ND	0.00500	0.000696	1		Vanadium	0.00156	0.00500	0.000314	1	J
Copper	0.00404	0.00500	0.00134	1	J	Zinc	0.00261	0.0100	0.000848	1	J
Lead	ND	0.0100	0.00236	1							

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MWCL-7	09-01-1396-3-G	01/16/09 10:21	Aqueous	ICP 5300	01/19/09	01/21/09 14:16	090119LA4

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.
 -Mercury was analyzed on 1/22/2009 2:47:14 PM with batch 090122L02

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Antimony	0.0102	0.0150	0.00209	1	J	Mercury	0.000101	0.000500	0.0000177	1	J
Arsenic	ND	0.0100	0.00308	1		Molybdenum	ND	0.00500	0.000800	1	
Barium	0.0717	0.0100	0.000719	1		Nickel	0.00858	0.00500	0.00137	1	
Beryllium	ND	0.00100	0.000176	1		Selenium	0.0331	0.0150	0.00295	1	
Cadmium	ND	0.00500	0.000350	1		Silver	ND	0.00500	0.000400	1	
Chromium	ND	0.00500	0.000350	1		Thallium	ND	0.0150	0.00233	1	
Cobalt	0.0237	0.00500	0.000696	1		Vanadium	ND	0.00500	0.000314	1	
Copper	ND	0.00500	0.00134	1		Zinc	0.0492	0.0100	0.000848	1	
Lead	ND	0.0100	0.00236	1							

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

GeoSyntec Consultants
 10875 Rancho Bernardo Road, Suite 200
 San Diego, CA 92127-2116

Date Received: 01/16/09
 Work Order No: 09-01-1396
 Preparation: EPA 3010A Total / EPA 7470A Total
 Method: EPA 6010B / EPA 7470A
 Units: mg/L

Project: Teledyne Ryan

Page 2 of 2

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MWCL-8	09-01-1396-4-G	01/16/09 11:47	Aqueous	ICP 5300	01/19/09	01/21/09 14:19	090119LA4

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.
 -Mercury was analyzed on 1/22/2009 2:49:27 PM with batch 090122L02

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Antimony	ND	0.0150	0.00209	1		Mercury	0.0000268	0.000500	0.0000177	1	J
Arsenic	ND	0.0100	0.00308	1		Molybdenum	0.00115	0.00500	0.000800	1	J
Barium	0.0309	0.0100	0.000719	1		Nickel	0.303	0.00500	0.00137	1	
Beryllium	0.000371	0.00100	0.000176	1	J	Selenium	0.00763	0.0150	0.00295	1	J
Cadmium	ND	0.00500	0.000350	1		Silver	ND	0.00500	0.000400	1	
Chromium	1.34	0.00500	0.000350	1		Thallium	ND	0.0150	0.00233	1	
Cobalt	ND	0.00500	0.000696	1		Vanadium	0.00321	0.00500	0.000314	1	J
Copper	0.484	0.00500	0.00134	1		Zinc	0.808	0.0100	0.000848	1	
Lead	ND	0.0100	0.00236	1							

Method Blank	099-04-008-3,903	N/A	Aqueous	Mercury	01/22/09	01/22/09 14:31	090122L02
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Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual
Mercury	ND	0.000500	0.0000177	1	

Method Blank	097-01-003-9,053	N/A	Aqueous	ICP 5300	01/19/09	01/20/09 14:29	090119LA4
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Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Antimony	ND	0.0150	0.00209	1		Lead	ND	0.0100	0.00236	1	
Arsenic	ND	0.0100	0.00308	1		Molybdenum	ND	0.00500	0.000800	1	
Barium	ND	0.0100	0.000719	1		Nickel	ND	0.00500	0.00137	1	
Beryllium	ND	0.00100	0.000176	1		Selenium	ND	0.0150	0.00295	1	
Cadmium	ND	0.00500	0.000350	1		Silver	ND	0.00500	0.000400	1	
Chromium	ND	0.00500	0.000350	1		Thallium	ND	0.0150	0.00233	1	
Cobalt	ND	0.00500	0.000696	1		Vanadium	ND	0.00500	0.000314	1	
Copper	ND	0.00500	0.00134	1		Zinc	ND	0.0100	0.000848	1	

GeoSyntec Consultants
 10875 Rancho Bernardo Road, Suite 200
 San Diego, CA 92127-2116

Date Received: 01/16/09
 Work Order No: 09-01-1396
 Preparation: EPA 3510C
 Method: EPA 8015B (M)
 Units: ug/L

Project: Teledyne Ryan

Page 1 of 3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MWCL-5	09-01-1396-1-F	01/16/09 08:11	Aqueous	GC 6	01/19/09	01/20/09 19:50	090119B11

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
C6	ND		0.0	1		C21-C22	49		0.0	1	
C7	ND		0.0	1		C23-C24	14		0.0	1	
C8	ND		0.0	1		C25-C28	8.7		0.0	1	
C9-C10	ND		0.0	1		C29-C32	ND		0.0	1	
C11-C12	ND		0.0	1		C33-C36	ND		0.0	1	
C13-C14	24		0.0	1		C37-C40	ND		0.0	1	
C15-C16	44		0.0	1		C41-C44	ND		0.0	1	
C17-C18	78		0.0	1		C6-C44 Total	ND	500	480	1	
C19-C20	53		0.0	1							
Surrogates:	REC (%)	Control Limits			Qual						
Decachlorobiphenyl	106	68-140									

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MWCL-6	09-01-1396-2-H	01/16/09 09:15	Aqueous	GC 6	01/19/09	01/20/09 20:33	090119B11

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
C6	ND		0.0	1		C21-C22	ND		0.0	1	
C7	ND		0.0	1		C23-C24	ND		0.0	1	
C8	ND		0.0	1		C25-C28	ND		0.0	1	
C9-C10	ND		0.0	1		C29-C32	ND		0.0	1	
C11-C12	ND		0.0	1		C33-C36	ND		0.0	1	
C13-C14	ND		0.0	1		C37-C40	ND		0.0	1	
C15-C16	ND		0.0	1		C41-C44	ND		0.0	1	
C17-C18	ND		0.0	1		C6-C44 Total	ND	500	480	1	
C19-C20	ND		0.0	1							
Surrogates:	REC (%)	Control Limits			Qual						
Decachlorobiphenyl	106	68-140									

GeoSyntec Consultants
 10875 Rancho Bernardo Road, Suite 200
 San Diego, CA 92127-2116

Date Received: 01/16/09
 Work Order No: 09-01-1396
 Preparation: EPA 3510C
 Method: EPA 8015B (M)
 Units: ug/L

Project: Teledyne Ryan

Page 2 of 3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MWCL-7	09-01-1396-3-F	01/16/09 10:21	Aqueous	GC 6	01/19/09	01/20/09 21:14	090119B11

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
C6	ND		0.0	1		C21-C22	ND		0.0	1	
C7	ND		0.0	1		C23-C24	ND		0.0	1	
C8	ND		0.0	1		C25-C28	ND		0.0	1	
C9-C10	ND		0.0	1		C29-C32	ND		0.0	1	
C11-C12	ND		0.0	1		C33-C36	ND		0.0	1	
C13-C14	ND		0.0	1		C37-C40	ND		0.0	1	
C15-C16	ND		0.0	1		C41-C44	ND		0.0	1	
C17-C18	ND		0.0	1		C6-C44 Total	ND	500	480	1	
C19-C20	ND		0.0	1							
Surrogates:	REC (%)	Control Limits			Qual						
Decachlorobiphenyl	100	68-140									

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MWCL-8	09-01-1396-4-H	01/16/09 11:47	Aqueous	GC 6	01/19/09	01/20/09 21:57	090119B11

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
C6	ND		0.0	1		C21-C22	ND		0.0	1	
C7	ND		0.0	1		C23-C24	ND		0.0	1	
C8	ND		0.0	1		C25-C28	ND		0.0	1	
C9-C10	ND		0.0	1		C29-C32	ND		0.0	1	
C11-C12	ND		0.0	1		C33-C36	ND		0.0	1	
C13-C14	ND		0.0	1		C37-C40	ND		0.0	1	
C15-C16	ND		0.0	1		C41-C44	ND		0.0	1	
C17-C18	ND		0.0	1		C6-C44 Total	ND	500	480	1	
C19-C20	ND		0.0	1							
Surrogates:	REC (%)	Control Limits			Qual						
Decachlorobiphenyl	105	68-140									

GeoSyntec Consultants
 10875 Rancho Bernardo Road, Suite 200
 San Diego, CA 92127-2116

Date Received: 01/16/09
 Work Order No: 09-01-1396
 Preparation: EPA 3510C
 Method: EPA 8015B (M)
 Units: ug/L

Project: Teledyne Ryan

Page 3 of 3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
TC4EGP	09-01-1396-5-E	01/16/09 13:59	Aqueous	GC 6	01/19/09	01/20/09 22:37	090119B11

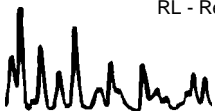
Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
C6	ND		0.0	1		C21-C22	ND		0.0	1	
C7	ND		0.0	1		C23-C24	ND		0.0	1	
C8	31		0.0	1		C25-C28	ND		0.0	1	
C9-C10	63		0.0	1		C29-C32	ND		0.0	1	
C11-C12	75		0.0	1		C33-C36	ND		0.0	1	
C13-C14	72		0.0	1		C37-C40	ND		0.0	1	
C15-C16	54		0.0	1		C41-C44	ND		0.0	1	
C17-C18	24		0.0	1		C6-C44 Total	ND	500	480	1	
C19-C20	3.9		0.0	1							
Surrogates:	REC (%)	Control Limits			Qual						
Decachlorobiphenyl	107	68-140									

Method Blank	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-12-308-980	N/A	Aqueous	GC 6	01/19/09	01/20/09 16:15	090119B11

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual
TPH as Diesel	ND	500	480	1	
Surrogates:	REC (%)	Control Limits			Qual
Decachlorobiphenyl	96	68-140			



GeoSyntec Consultants
 10875 Rancho Bernardo Road, Suite 200
 San Diego, CA 92127-2116

Date Received: 01/16/09
 Work Order No: 09-01-1396
 Preparation: EPA 3520C
 Method: EPA 8270C(M) Isotope Dilution

Project: Teledyne Ryan

Page 1 of 2

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MWCL-5	09-01-1396-1-E	01/16/09 08:11	Aqueous	GC/MS AAA	01/19/09	01/20/09 20:34	090119L09D

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units
1,4-Dioxane	ND	2.0	0.40	1		ug/L
Surrogates:	<u>REC (%)</u>	<u>Control Limits</u>			<u>Qual</u>	
Nitrobenzene-d5	96	56-123				

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MWCL-6	09-01-1396-2-G	01/16/09 09:15	Aqueous	GC/MS AAA	01/19/09	01/20/09 20:58	090119L09D

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units
1,4-Dioxane	ND	2.0	0.40	1		ug/L
Surrogates:	<u>REC (%)</u>	<u>Control Limits</u>			<u>Qual</u>	
Nitrobenzene-d5	96	56-123				

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MWCL-7	09-01-1396-3-E	01/16/09 10:21	Aqueous	GC/MS AAA	01/19/09	01/20/09 21:21	090119L09D

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units
1,4-Dioxane	ND	2.0	0.40	1		ug/L
Surrogates:	<u>REC (%)</u>	<u>Control Limits</u>			<u>Qual</u>	
Nitrobenzene-d5	99	56-123				

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MWCL-8	09-01-1396-4-E	01/16/09 11:47	Aqueous	GC/MS AAA	01/19/09	01/20/09 21:45	090119L09D

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units
1,4-Dioxane	ND	2.0	0.40	1		ug/L
Surrogates:	<u>REC (%)</u>	<u>Control Limits</u>			<u>Qual</u>	
Nitrobenzene-d5	100	56-123				

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

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Date Received: 01/16/09
 Work Order No: 09-01-1396
 Preparation: EPA 3520C
 Method: EPA 8270C(M) Isotope Dilution

Project: Teledyne Ryan

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
TC4EGP	09-01-1396-5-D	01/16/09 13:59	Aqueous	GC/MS AAA	01/19/09	01/20/09 22:09	090119L09D

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units
1,4-Dioxane	ND	2.0	0.40	1		ug/L
Surrogates:	REC (%)	Control Limits			Qual	
Nitrobenzene-d5	93	56-123				

Method Blank	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-09-004-1,185	N/A	Aqueous	GC/MS AAA	01/19/09	01/20/09 16:10	090119L09D

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units
1,4-Dioxane	ND	2.0	0.40	1		ug/L
Surrogates:	REC (%)	Control Limits			Qual	
Nitrobenzene-d5	90	56-123				

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

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Date Received: 01/16/09
 Work Order No: 09-01-1396
 Preparation: EPA 3510C
 Method: EPA 8270C SIM
 Units: ug/L

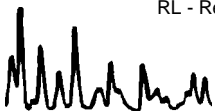
Project: Teledyne Ryan

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MWCL-5	09-01-1396-1-D	01/16/09 08:11	Aqueous	GC/MS GG	01/19/09	01/23/09 17:06	090119L07

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
1-Methylnaphthalene	ND	1.0	0.092	1		Benzo (g,h,i) Perylene	ND	1.0	0.12	1	
2,4,5-Trichlorophenol	ND	1.0	0.066	1		Benzo (k) Fluoranthene	ND	1.0	0.12	1	
2,4,6-Trichlorophenol	ND	1.0	0.079	1		Bis(2-Ethylhexyl) Phthalate	ND	1.0	0.14	1	
2,4-Dichlorophenol	ND	1.0	0.097	1		Butyl Benzyl Phthalate	ND	1.0	0.10	1	
2,4-Dimethylphenol	ND	1.0	0.092	1		Chrysene	ND	1.0	0.090	1	
2,4-Dinitrophenol	ND	10	1.9	1		Di-n-Butyl Phthalate	ND	1.0	0.096	1	
2-Chlorophenol	ND	1.0	0.10	1		Di-n-Octyl Phthalate	ND	1.0	0.11	1	
2-Methylnaphthalene	ND	1.0	0.094	1		Dibenz (a,h) Anthracene	ND	1.0	0.096	1	
2-Methylphenol	ND	1.0	0.11	1		Diethyl Phthalate	0.18	1.0	0.088	1	J
2-Nitrophenol	ND	1.0	0.14	1		Dimethyl Phthalate	ND	1.0	0.088	1	
3/4-Methylphenol	ND	1.0	0.10	1		Fluoranthene	ND	1.0	0.091	1	
4,6-Dinitro-2-Methylphenol	ND	10	2.3	1		Fluorene	ND	1.0	0.090	1	
4-Chloro-3-Methylphenol	ND	1.0	0.11	1		Indeno (1,2,3-c,d) Pyrene	ND	1.0	0.12	1	
4-Nitrophenol	ND	20	3.4	1		N-Nitrosodimethylamine	ND	1.0	0.084	1	
Acenaphthene	ND	1.0	0.086	1		Naphthalene	ND	1.0	0.097	1	
Acenaphthylene	ND	1.0	0.086	1		Pentachlorophenol	ND	10	2.6	1	
Anthracene	ND	1.0	0.086	1		Phenanthrene	ND	1.0	0.089	1	
Benzo (a) Anthracene	ND	1.0	0.093	1		Phenol	ND	1.0	0.12	1	
Benzo (a) Pyrene	ND	1.0	0.12	1		Pyrene	ND	1.0	0.11	1	
Benzo (b) Fluoranthene	ND	1.0	0.13	1							
Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	I Limits	Qual				
2,4,6-Tribromophenol	69	24-152		2-Fluorobiphenyl	35	33-144					
2-Fluorophenol	76	31-142		Nitrobenzene-d5	84	28-139					
p-Terphenyl-d14	63	23-160		Phenol-d6	53	30-136					



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Date Received: 01/16/09
 Work Order No: 09-01-1396
 Preparation: EPA 3510C
 Method: EPA 8270C SIM
 Units: ug/L

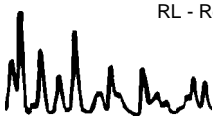
Project: Teledyne Ryan

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MWCL-6	09-01-1396-2-F	01/16/09 09:15	Aqueous	GC/MS GG	01/19/09	01/23/09 17:51	090119L07

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
1-Methylnaphthalene	ND	1.0	0.092	1		Benzo (g,h,i) Perylene	ND	1.0	0.12	1	
2,4,5-Trichlorophenol	ND	1.0	0.066	1		Benzo (k) Fluoranthene	ND	1.0	0.12	1	
2,4,6-Trichlorophenol	ND	1.0	0.079	1		Bis(2-Ethylhexyl) Phthalate	ND	1.0	0.14	1	
2,4-Dichlorophenol	ND	1.0	0.097	1		Butyl Benzyl Phthalate	ND	1.0	0.10	1	
2,4-Dimethylphenol	ND	1.0	0.092	1		Chrysene	ND	1.0	0.090	1	
2,4-Dinitrophenol	ND	10	1.9	1		Di-n-Butyl Phthalate	ND	1.0	0.096	1	
2-Chlorophenol	ND	1.0	0.10	1		Di-n-Octyl Phthalate	ND	1.0	0.11	1	
2-Methylnaphthalene	ND	1.0	0.094	1		Dibenz (a,h) Anthracene	ND	1.0	0.096	1	
2-Methylphenol	ND	1.0	0.11	1		Diethyl Phthalate	ND	1.0	0.088	1	
2-Nitrophenol	ND	1.0	0.14	1		Dimethyl Phthalate	ND	1.0	0.088	1	
3/4-Methylphenol	ND	1.0	0.10	1		Fluoranthene	ND	1.0	0.091	1	
4,6-Dinitro-2-Methylphenol	ND	10	2.3	1		Fluorene	ND	1.0	0.090	1	
4-Chloro-3-Methylphenol	ND	1.0	0.11	1		Indeno (1,2,3-c,d) Pyrene	ND	1.0	0.12	1	
4-Nitrophenol	ND	20	3.4	1		N-Nitrosodimethylamine	ND	1.0	0.084	1	
Acenaphthene	ND	1.0	0.086	1		Naphthalene	ND	1.0	0.097	1	
Acenaphthylene	ND	1.0	0.086	1		Pentachlorophenol	ND	10	2.6	1	
Anthracene	ND	1.0	0.086	1		Phenanthrene	ND	1.0	0.089	1	
Benzo (a) Anthracene	ND	1.0	0.093	1		Phenol	ND	1.0	0.12	1	
Benzo (a) Pyrene	ND	1.0	0.12	1		Pyrene	ND	1.0	0.11	1	
Benzo (b) Fluoranthene	ND	1.0	0.13	1							
Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Limits	Qual				
2,4,6-Tribromophenol	58	24-152		2-Fluorobiphenyl	33	33-144					
2-Fluorophenol	54	31-142		Nitrobenzene-d5	73	28-139					
p-Terphenyl-d14	53	23-160		Phenol-d6	36	30-136					



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Date Received: 01/16/09
 Work Order No: 09-01-1396
 Preparation: EPA 3510C
 Method: EPA 8270C SIM
 Units: ug/L

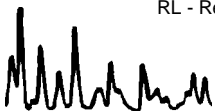
Project: Teledyne Ryan

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MWCL-7	09-01-1396-3-D	01/16/09 10:21	Aqueous	GC/MS GG	01/19/09	01/23/09 18:37	090119L07

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
1-Methylnaphthalene	ND	1.0	0.092	1		Benzo (g,h,i) Perylene	ND	1.0	0.12	1	
2,4,5-Trichlorophenol	ND	1.0	0.066	1		Benzo (k) Fluoranthene	ND	1.0	0.12	1	
2,4,6-Trichlorophenol	ND	1.0	0.079	1		Bis(2-Ethylhexyl) Phthalate	ND	1.0	0.14	1	
2,4-Dichlorophenol	ND	1.0	0.097	1		Butyl Benzyl Phthalate	ND	1.0	0.10	1	
2,4-Dimethylphenol	ND	1.0	0.092	1		Chrysene	ND	1.0	0.090	1	
2,4-Dinitrophenol	ND	10	1.9	1		Di-n-Butyl Phthalate	ND	1.0	0.096	1	
2-Chlorophenol	ND	1.0	0.10	1		Di-n-Octyl Phthalate	ND	1.0	0.11	1	
2-Methylnaphthalene	ND	1.0	0.094	1		Dibenz (a,h) Anthracene	ND	1.0	0.096	1	
2-Methylphenol	ND	1.0	0.11	1		Diethyl Phthalate	ND	1.0	0.088	1	
2-Nitrophenol	ND	1.0	0.14	1		Dimethyl Phthalate	ND	1.0	0.088	1	
3/4-Methylphenol	ND	1.0	0.10	1		Fluoranthene	ND	1.0	0.091	1	
4,6-Dinitro-2-Methylphenol	ND	10	2.3	1		Fluorene	ND	1.0	0.090	1	
4-Chloro-3-Methylphenol	ND	1.0	0.11	1		Indeno (1,2,3-c,d) Pyrene	ND	1.0	0.12	1	
4-Nitrophenol	ND	20	3.4	1		N-Nitrosodimethylamine	ND	1.0	0.084	1	
Acenaphthene	ND	1.0	0.086	1		Naphthalene	ND	1.0	0.097	1	
Acenaphthylene	ND	1.0	0.086	1		Pentachlorophenol	ND	10	2.6	1	
Anthracene	ND	1.0	0.086	1		Phenanthrene	ND	1.0	0.089	1	
Benzo (a) Anthracene	ND	1.0	0.093	1		Phenol	ND	1.0	0.12	1	
Benzo (a) Pyrene	ND	1.0	0.12	1		Pyrene	ND	1.0	0.11	1	
Benzo (b) Fluoranthene	ND	1.0	0.13	1							
Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	I Limits	Qual				
2,4,6-Tribromophenol	69	24-152		2-Fluorobiphenyl	35	33-144					
2-Fluorophenol	80	31-142		Nitrobenzene-d5	93	28-139					
p-Terphenyl-d14	67	23-160		Phenol-d6	56	30-136					



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Date Received: 01/16/09
 Work Order No: 09-01-1396
 Preparation: EPA 3510C
 Method: EPA 8270C SIM
 Units: ug/L

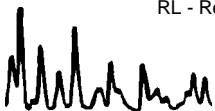
Project: Teledyne Ryan

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MWCL-8	09-01-1396-4-D	01/16/09 11:47	Aqueous	GC/MS GG	01/19/09	01/23/09 20:07	090119L07

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
1-Methylnaphthalene	ND	1.0	0.092	1		Benzo (g,h,i) Perylene	ND	1.0	0.12	1	
2,4,5-Trichlorophenol	ND	1.0	0.066	1		Benzo (k) Fluoranthene	ND	1.0	0.12	1	
2,4,6-Trichlorophenol	ND	1.0	0.079	1		Bis(2-Ethylhexyl) Phthalate	ND	1.0	0.14	1	
2,4-Dichlorophenol	ND	1.0	0.097	1		Butyl Benzyl Phthalate	ND	1.0	0.10	1	
2,4-Dimethylphenol	ND	1.0	0.092	1		Chrysene	ND	1.0	0.090	1	
2,4-Dinitrophenol	ND	10	1.9	1		Di-n-Butyl Phthalate	ND	1.0	0.096	1	
2-Chlorophenol	ND	1.0	0.10	1		Di-n-Octyl Phthalate	ND	1.0	0.11	1	
2-Methylnaphthalene	ND	1.0	0.094	1		Dibenz (a,h) Anthracene	ND	1.0	0.096	1	
2-Methylphenol	ND	1.0	0.11	1		Diethyl Phthalate	ND	1.0	0.088	1	
2-Nitrophenol	ND	1.0	0.14	1		Dimethyl Phthalate	ND	1.0	0.088	1	
3/4-Methylphenol	ND	1.0	0.10	1		Fluoranthene	ND	1.0	0.091	1	
4,6-Dinitro-2-Methylphenol	ND	10	2.3	1		Fluorene	ND	1.0	0.090	1	
4-Chloro-3-Methylphenol	ND	1.0	0.11	1		Indeno (1,2,3-c,d) Pyrene	ND	1.0	0.12	1	
4-Nitrophenol	ND	20	3.4	1		N-Nitrosodimethylamine	ND	1.0	0.084	1	
Acenaphthene	ND	1.0	0.086	1		Naphthalene	ND	1.0	0.097	1	
Acenaphthylene	ND	1.0	0.086	1		Pentachlorophenol	ND	10	2.6	1	
Anthracene	ND	1.0	0.086	1		Phenanthrene	ND	1.0	0.089	1	
Benzo (a) Anthracene	ND	1.0	0.093	1		Phenol	ND	1.0	0.12	1	
Benzo (a) Pyrene	ND	1.0	0.12	1		Pyrene	ND	1.0	0.11	1	
Benzo (b) Fluoranthene	ND	1.0	0.13	1							
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>			<u>Qual</u>	<u>Surrogates:</u>	<u>REC (%)</u>	<u>Limits</u>			<u>Qual</u>
2,4,6-Tribromophenol	66	24-152				2-Fluorobiphenyl	40	33-144			
2-Fluorophenol	65	31-142				Nitrobenzene-d5	83	28-139			
p-Terphenyl-d14	62	23-160				Phenol-d6	42	30-136			



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Date Received: 01/16/09
 Work Order No: 09-01-1396
 Preparation: EPA 3510C
 Method: EPA 8270C SIM
 Units: ug/L

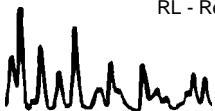
Project: Teledyne Ryan

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-12-430-61	N/A	Aqueous	GC/MS GG	01/19/09	01/23/09 11:48	090119L07

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
1-Methylnaphthalene	ND	1.0	0.092	1		Benzo (g,h,i) Perylene	ND	1.0	0.12	1	
2,4,5-Trichlorophenol	ND	1.0	0.066	1		Benzo (k) Fluoranthene	ND	1.0	0.12	1	
2,4,6-Trichlorophenol	ND	1.0	0.079	1		Bis(2-Ethylhexyl) Phthalate	ND	1.0	0.14	1	
2,4-Dichlorophenol	ND	1.0	0.097	1		Butyl Benzyl Phthalate	ND	1.0	0.10	1	
2,4-Dimethylphenol	ND	1.0	0.092	1		Chrysene	ND	1.0	0.090	1	
2,4-Dinitrophenol	ND	10	1.9	1		Di-n-Butyl Phthalate	ND	1.0	0.096	1	
2-Chlorophenol	ND	1.0	0.10	1		Di-n-Octyl Phthalate	ND	1.0	0.11	1	
2-Methylnaphthalene	ND	1.0	0.094	1		Dibenz (a,h) Anthracene	ND	1.0	0.096	1	
2-Methylphenol	ND	1.0	0.11	1		Diethyl Phthalate	ND	1.0	0.088	1	
2-Nitrophenol	ND	1.0	0.14	1		Dimethyl Phthalate	ND	1.0	0.088	1	
3/4-Methylphenol	ND	1.0	0.10	1		Fluoranthene	ND	1.0	0.091	1	
4,6-Dinitro-2-Methylphenol	ND	10	2.3	1		Fluorene	ND	1.0	0.090	1	
4-Chloro-3-Methylphenol	ND	1.0	0.11	1		Indeno (1,2,3-c,d) Pyrene	ND	1.0	0.12	1	
4-Nitrophenol	ND	20	3.4	1		N-Nitrosodimethylamine	ND	1.0	0.084	1	
Acenaphthene	ND	1.0	0.086	1		Naphthalene	ND	1.0	0.097	1	
Acenaphthylene	ND	1.0	0.086	1		Pentachlorophenol	ND	10	2.6	1	
Anthracene	ND	1.0	0.086	1		Phenanthrene	ND	1.0	0.089	1	
Benzo (a) Anthracene	ND	1.0	0.093	1		Phenol	ND	1.0	0.12	1	
Benzo (a) Pyrene	ND	1.0	0.12	1		Pyrene	ND	1.0	0.11	1	
Benzo (b) Fluoranthene	ND	1.0	0.13	1							
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>			<u>Qual</u>	<u>Surrogates:</u>	<u>REC (%)</u>	<u>Limits</u>			<u>Qual</u>
2,4,6-Tribromophenol	69	24-152				2-Fluorobiphenyl	53	33-144			
2-Fluorophenol	74	31-142				Nitrobenzene-d5	101	28-139			
p-Terphenyl-d14	87	23-160				Phenol-d6	51	30-136			



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Date Received: 01/16/09
 Work Order No: 09-01-1396
 Preparation: EPA 5030B
 Method: EPA 8260B
 Units: ug/L

Project: Teledyne Ryan

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MWCL-5	09-01-1396-1-B	01/16/09 08:11	Aqueous	GC/MS S	01/22/09	01/22/09 18:38	090122L01

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	50	9.1	1		1,3-Dichloropropane	ND	1.0	0.38	1	
Benzene	ND	0.50	0.28	1		2,2-Dichloropropane	ND	1.0	0.46	1	
Bromobenzene	ND	1.0	0.33	1		1,1-Dichloropropene	ND	1.0	0.26	1	
Bromochloromethane	ND	1.0	0.69	1		c-1,3-Dichloropropene	ND	0.50	0.28	1	
Bromodichloromethane	ND	1.0	0.33	1		t-1,3-Dichloropropene	ND	0.50	0.36	1	
Bromoform	ND	1.0	0.55	1		Ethylbenzene	ND	1.0	0.22	1	
Bromomethane	ND	10	4.3	1		2-Hexanone	ND	10	6.9	1	
2-Butanone	ND	10	6.9	1		Isopropylbenzene	ND	1.0	0.23	1	
n-Butylbenzene	ND	1.0	0.28	1		p-Isopropyltoluene	ND	1.0	0.26	1	
sec-Butylbenzene	ND	1.0	0.20	1		Methylene Chloride	ND	10	2.6	1	
tert-Butylbenzene	ND	1.0	0.28	1		4-Methyl-2-Pentanone	ND	10	4.4	1	
Carbon Disulfide	ND	10	1.9	1		Naphthalene	ND	10	2.5	1	
Carbon Tetrachloride	ND	0.50	0.43	1		n-Propylbenzene	ND	1.0	0.79	1	
Chlorobenzene	ND	1.0	0.22	1		Styrene	ND	1.0	0.30	1	
Chloroethane	ND	5.0	1.3	1		1,1,1,2-Tetrachloroethane	ND	1.0	0.35	1	
Chloroform	ND	1.0	0.33	1		1,1,2,2-Tetrachloroethane	ND	1.0	0.44	1	
Chloromethane	ND	10	0.49	1		Tetrachloroethene	ND	1.0	0.51	1	
2-Chlorotoluene	ND	1.0	0.55	1		Toluene	ND	1.0	0.33	1	
4-Chlorotoluene	ND	1.0	0.21	1		1,2,3-Trichlorobenzene	ND	1.0	0.31	1	
Dibromochloromethane	ND	1.0	0.48	1		1,2,4-Trichlorobenzene	ND	1.0	0.49	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	3.1	1		1,1,1-Trichloroethane	ND	1.0	0.45	1	
1,2-Dibromoethane	ND	1.0	0.47	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.64	1	
Dibromomethane	ND	1.0	0.59	1		1,1,2-Trichloroethane	ND	1.0	0.54	1	
1,2-Dichlorobenzene	ND	1.0	0.27	1		Trichloroethene	ND	1.0	0.30	1	
1,3-Dichlorobenzene	ND	1.0	0.28	1		Trichlorofluoromethane	ND	10	0.31	1	
1,4-Dichlorobenzene	ND	1.0	0.21	1		1,2,3-Trichloropropane	ND	5.0	1.3	1	
Dichlorodifluoromethane	ND	1.0	0.49	1		1,2,4-Trimethylbenzene	ND	1.0	0.24	1	
1,1-Dichloroethane	ND	1.0	0.37	1		1,3,5-Trimethylbenzene	ND	1.0	0.23	1	
1,2-Dichloroethane	ND	0.50	0.31	1		Vinyl Acetate	ND	10	7.1	1	
1,1-Dichloroethene	ND	1.0	0.40	1		Vinyl Chloride	ND	0.50	0.33	1	
c-1,2-Dichloroethene	0.78	1.0	0.49	1	J	p/m-Xylene	ND	1.0	0.45	1	
t-1,2-Dichloroethene	ND	1.0	0.40	1		o-Xylene	ND	1.0	0.24	1	
1,2-Dichloropropane	ND	1.0	0.38	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.30	1	
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>			<u>Qual</u>	<u>Surrogates:</u>	<u>REC (%)</u>	<u>I Limits</u>			<u>Qual</u>
Dibromofluoromethane	102	82-130				1,2-Dichloroethane-d4	104	75-141			
Toluene-d8	95	83-113				1,4-Bromofluorobenzene	92	70-118			

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

GeoSyntec Consultants
 10875 Rancho Bernardo Road, Suite 200
 San Diego, CA 92127-2116

Date Received: 01/16/09
 Work Order No: 09-01-1396
 Preparation: EPA 5030B
 Method: EPA 8260B
 Units: ug/L

Project: Teledyne Ryan

Page 2 of 8

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MWCL-6	09-01-1396-2-B	01/16/09 09:15	Aqueous	GC/MS S	01/22/09	01/22/09 19:08	090122L01

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	50	9.1	1		1,3-Dichloropropane	ND	1.0	0.38	1	
Benzene	ND	0.50	0.28	1		2,2-Dichloropropane	ND	1.0	0.46	1	
Bromobenzene	ND	1.0	0.33	1		1,1-Dichloropropene	ND	1.0	0.26	1	
Bromochloromethane	ND	1.0	0.69	1		c-1,3-Dichloropropene	ND	0.50	0.28	1	
Bromodichloromethane	ND	1.0	0.33	1		t-1,3-Dichloropropene	ND	0.50	0.36	1	
Bromoform	ND	1.0	0.55	1		Ethylbenzene	ND	1.0	0.22	1	
Bromomethane	ND	10	4.3	1		2-Hexanone	ND	10	6.9	1	
2-Butanone	ND	10	6.9	1		Isopropylbenzene	ND	1.0	0.23	1	
n-Butylbenzene	ND	1.0	0.28	1		p-Isopropyltoluene	ND	1.0	0.26	1	
sec-Butylbenzene	ND	1.0	0.20	1		Methylene Chloride	ND	10	2.6	1	
tert-Butylbenzene	ND	1.0	0.28	1		4-Methyl-2-Pentanone	ND	10	4.4	1	
Carbon Disulfide	ND	10	1.9	1		Naphthalene	ND	10	2.5	1	
Carbon Tetrachloride	ND	0.50	0.43	1		n-Propylbenzene	ND	1.0	0.79	1	
Chlorobenzene	ND	1.0	0.22	1		Styrene	ND	1.0	0.30	1	
Chloroethane	ND	5.0	1.3	1		1,1,1,2-Tetrachloroethane	ND	1.0	0.35	1	
Chloroform	ND	1.0	0.33	1		1,1,2,2-Tetrachloroethane	ND	1.0	0.44	1	
Chloromethane	ND	10	0.49	1		Tetrachloroethene	ND	1.0	0.51	1	
2-Chlorotoluene	ND	1.0	0.55	1		Toluene	ND	1.0	0.33	1	
4-Chlorotoluene	ND	1.0	0.21	1		1,2,3-Trichlorobenzene	ND	1.0	0.31	1	
Dibromochloromethane	ND	1.0	0.48	1		1,2,4-Trichlorobenzene	ND	1.0	0.49	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	3.1	1		1,1,1-Trichloroethane	ND	1.0	0.45	1	
1,2-Dibromoethane	ND	1.0	0.47	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.64	1	
Dibromomethane	ND	1.0	0.59	1		1,1,2-Trichloroethane	ND	1.0	0.54	1	
1,2-Dichlorobenzene	ND	1.0	0.27	1		Trichloroethene	ND	1.0	0.30	1	
1,3-Dichlorobenzene	ND	1.0	0.28	1		Trichlorofluoromethane	ND	10	0.31	1	
1,4-Dichlorobenzene	ND	1.0	0.21	1		1,2,3-Trichloropropane	ND	5.0	1.3	1	
Dichlorodifluoromethane	ND	1.0	0.49	1		1,2,4-Trimethylbenzene	ND	1.0	0.24	1	
1,1-Dichloroethane	ND	1.0	0.37	1		1,3,5-Trimethylbenzene	ND	1.0	0.23	1	
1,2-Dichloroethane	ND	0.50	0.31	1		Vinyl Acetate	ND	10	7.1	1	
1,1-Dichloroethene	ND	1.0	0.40	1		Vinyl Chloride	ND	0.50	0.33	1	
c-1,2-Dichloroethene	ND	1.0	0.49	1		p/m-Xylene	ND	1.0	0.45	1	
t-1,2-Dichloroethene	ND	1.0	0.40	1		o-Xylene	ND	1.0	0.24	1	
1,2-Dichloropropane	ND	1.0	0.38	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.30	1	
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>			<u>Qual</u>	<u>Surrogates:</u>	<u>REC (%)</u>	<u>I Limits</u>			<u>Qual</u>
Dibromofluoromethane	103	82-130				1,2-Dichloroethane-d4	103	75-141			
Toluene-d8	99	83-113				1,4-Bromofluorobenzene	91	70-118			

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

GeoSyntec Consultants
 10875 Rancho Bernardo Road, Suite 200
 San Diego, CA 92127-2116

Date Received: 01/16/09
 Work Order No: 09-01-1396
 Preparation: EPA 5030B
 Method: EPA 8260B
 Units: ug/L

Project: Teledyne Ryan

Page 3 of 8

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MWCL-7	09-01-1396-3-B	01/16/09 10:21	Aqueous	GC/MS S	01/22/09	01/22/09 19:37	090122L01

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	50	9.1	1		1,3-Dichloropropane	ND	1.0	0.38	1	
Benzene	ND	0.50	0.28	1		2,2-Dichloropropane	ND	1.0	0.46	1	
Bromobenzene	ND	1.0	0.33	1		1,1-Dichloropropene	ND	1.0	0.26	1	
Bromochloromethane	ND	1.0	0.69	1		c-1,3-Dichloropropene	ND	0.50	0.28	1	
Bromodichloromethane	ND	1.0	0.33	1		t-1,3-Dichloropropene	ND	0.50	0.36	1	
Bromoform	ND	1.0	0.55	1		Ethylbenzene	ND	1.0	0.22	1	
Bromomethane	ND	10	4.3	1		2-Hexanone	ND	10	6.9	1	
2-Butanone	ND	10	6.9	1		Isopropylbenzene	ND	1.0	0.23	1	
n-Butylbenzene	ND	1.0	0.28	1		p-Isopropyltoluene	ND	1.0	0.26	1	
sec-Butylbenzene	ND	1.0	0.20	1		Methylene Chloride	ND	10	2.6	1	
tert-Butylbenzene	ND	1.0	0.28	1		4-Methyl-2-Pentanone	ND	10	4.4	1	
Carbon Disulfide	ND	10	1.9	1		Naphthalene	ND	10	2.5	1	
Carbon Tetrachloride	ND	0.50	0.43	1		n-Propylbenzene	ND	1.0	0.79	1	
Chlorobenzene	ND	1.0	0.22	1		Styrene	ND	1.0	0.30	1	
Chloroethane	ND	5.0	1.3	1		1,1,1,2-Tetrachloroethane	ND	1.0	0.35	1	
Chloroform	ND	1.0	0.33	1		1,1,2,2-Tetrachloroethane	ND	1.0	0.44	1	
Chloromethane	ND	10	0.49	1		Tetrachloroethene	ND	1.0	0.51	1	
2-Chlorotoluene	ND	1.0	0.55	1		Toluene	ND	1.0	0.33	1	
4-Chlorotoluene	ND	1.0	0.21	1		1,2,3-Trichlorobenzene	ND	1.0	0.31	1	
Dibromochloromethane	ND	1.0	0.48	1		1,2,4-Trichlorobenzene	ND	1.0	0.49	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	3.1	1		1,1,1-Trichloroethane	ND	1.0	0.45	1	
1,2-Dibromoethane	ND	1.0	0.47	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.64	1	
Dibromomethane	ND	1.0	0.59	1		1,1,2-Trichloroethane	ND	1.0	0.54	1	
1,2-Dichlorobenzene	ND	1.0	0.27	1		Trichloroethene	3.6	1.0	0.30	1	
1,3-Dichlorobenzene	ND	1.0	0.28	1		Trichlorofluoromethane	ND	10	0.31	1	
1,4-Dichlorobenzene	ND	1.0	0.21	1		1,2,3-Trichloropropane	ND	5.0	1.3	1	
Dichlorodifluoromethane	ND	1.0	0.49	1		1,2,4-Trimethylbenzene	ND	1.0	0.24	1	
1,1-Dichloroethane	ND	1.0	0.37	1		1,3,5-Trimethylbenzene	ND	1.0	0.23	1	
1,2-Dichloroethane	ND	0.50	0.31	1		Vinyl Acetate	ND	10	7.1	1	
1,1-Dichloroethene	ND	1.0	0.40	1		Vinyl Chloride	ND	0.50	0.33	1	
c-1,2-Dichloroethene	ND	1.0	0.49	1		p/m-Xylene	ND	1.0	0.45	1	
t-1,2-Dichloroethene	ND	1.0	0.40	1		o-Xylene	ND	1.0	0.24	1	
1,2-Dichloropropane	ND	1.0	0.38	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.30	1	
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>			<u>Qual</u>	<u>Surrogates:</u>	<u>REC (%)</u>	<u>I Limits</u>			<u>Qual</u>
Dibromofluoromethane	105	82-130				1,2-Dichloroethane-d4	110	75-141			
Toluene-d8	96	83-113				1,4-Bromofluorobenzene	92	70-118			

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

GeoSyntec Consultants
 10875 Rancho Bernardo Road, Suite 200
 San Diego, CA 92127-2116

Date Received: 01/16/09
 Work Order No: 09-01-1396
 Preparation: EPA 5030B
 Method: EPA 8260B
 Units: ug/L

Project: Teledyne Ryan

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MWCL-8	09-01-1396-4-B	01/16/09 11:47	Aqueous	GC/MS S	01/22/09	01/22/09 20:06	090122L01

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	50	9.1	1		1,3-Dichloropropane	ND	1.0	0.38	1	
Benzene	ND	0.50	0.28	1		2,2-Dichloropropane	ND	1.0	0.46	1	
Bromobenzene	ND	1.0	0.33	1		1,1-Dichloropropene	ND	1.0	0.26	1	
Bromochloromethane	ND	1.0	0.69	1		c-1,3-Dichloropropene	ND	0.50	0.28	1	
Bromodichloromethane	ND	1.0	0.33	1		t-1,3-Dichloropropene	ND	0.50	0.36	1	
Bromoform	ND	1.0	0.55	1		Ethylbenzene	ND	1.0	0.22	1	
Bromomethane	ND	10	4.3	1		2-Hexanone	ND	10	6.9	1	
2-Butanone	ND	10	6.9	1		Isopropylbenzene	ND	1.0	0.23	1	
n-Butylbenzene	ND	1.0	0.28	1		p-Isopropyltoluene	ND	1.0	0.26	1	
sec-Butylbenzene	ND	1.0	0.20	1		Methylene Chloride	ND	10	2.6	1	
tert-Butylbenzene	ND	1.0	0.28	1		4-Methyl-2-Pentanone	ND	10	4.4	1	
Carbon Disulfide	ND	10	1.9	1		Naphthalene	ND	10	2.5	1	
Carbon Tetrachloride	ND	0.50	0.43	1		n-Propylbenzene	ND	1.0	0.79	1	
Chlorobenzene	ND	1.0	0.22	1		Styrene	ND	1.0	0.30	1	
Chloroethane	ND	5.0	1.3	1		1,1,1,2-Tetrachloroethane	ND	1.0	0.35	1	
Chloroform	ND	1.0	0.33	1		1,1,2,2-Tetrachloroethane	ND	1.0	0.44	1	
Chloromethane	ND	10	0.49	1		Tetrachloroethene	ND	1.0	0.51	1	
2-Chlorotoluene	ND	1.0	0.55	1		Toluene	ND	1.0	0.33	1	
4-Chlorotoluene	ND	1.0	0.21	1		1,2,3-Trichlorobenzene	ND	1.0	0.31	1	
Dibromochloromethane	ND	1.0	0.48	1		1,2,4-Trichlorobenzene	ND	1.0	0.49	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	3.1	1		1,1,1-Trichloroethane	ND	1.0	0.45	1	
1,2-Dibromoethane	ND	1.0	0.47	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.64	1	
Dibromomethane	ND	1.0	0.59	1		1,1,2-Trichloroethane	ND	1.0	0.54	1	
1,2-Dichlorobenzene	ND	1.0	0.27	1		Trichloroethene	ND	1.0	0.30	1	
1,3-Dichlorobenzene	ND	1.0	0.28	1		Trichlorofluoromethane	ND	10	0.31	1	
1,4-Dichlorobenzene	ND	1.0	0.21	1		1,2,3-Trichloropropane	ND	5.0	1.3	1	
Dichlorodifluoromethane	ND	1.0	0.49	1		1,2,4-Trimethylbenzene	ND	1.0	0.24	1	
1,1-Dichloroethane	ND	1.0	0.37	1		1,3,5-Trimethylbenzene	ND	1.0	0.23	1	
1,2-Dichloroethane	ND	0.50	0.31	1		Vinyl Acetate	ND	10	7.1	1	
1,1-Dichloroethene	ND	1.0	0.40	1		Vinyl Chloride	ND	0.50	0.33	1	
c-1,2-Dichloroethene	ND	1.0	0.49	1		p/m-Xylene	ND	1.0	0.45	1	
t-1,2-Dichloroethene	ND	1.0	0.40	1		o-Xylene	ND	1.0	0.24	1	
1,2-Dichloropropane	ND	1.0	0.38	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.30	1	
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>			<u>Qual</u>	<u>Surrogates:</u>	<u>REC (%)</u>	<u>I Limits</u>			<u>Qual</u>
Dibromofluoromethane	106	82-130				1,2-Dichloroethane-d4	109	75-141			
Toluene-d8	98	83-113				1,4-Bromofluorobenzene	88	70-118			

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

GeoSyntec Consultants
 10875 Rancho Bernardo Road, Suite 200
 San Diego, CA 92127-2116

Date Received: 01/16/09
 Work Order No: 09-01-1396
 Preparation: EPA 5030B
 Method: EPA 8260B
 Units: ug/L

Project: Teledyne Ryan

Page 5 of 8

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
TC4EGP	09-01-1396-5-B	01/16/09 13:59	Aqueous	GC/MS S	01/22/09	01/22/09 20:36	090122L01

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	50	9.1	1		1,3-Dichloropropane	ND	1.0	0.38	1	
Benzene	1.1	0.50	0.28	1		2,2-Dichloropropane	ND	1.0	0.46	1	
Bromobenzene	ND	1.0	0.33	1		1,1-Dichloropropene	ND	1.0	0.26	1	
Bromochloromethane	ND	1.0	0.69	1		c-1,3-Dichloropropene	ND	0.50	0.28	1	
Bromodichloromethane	ND	1.0	0.33	1		t-1,3-Dichloropropene	ND	0.50	0.36	1	
Bromoform	ND	1.0	0.55	1		Ethylbenzene	ND	1.0	0.22	1	
Bromomethane	ND	10	4.3	1		2-Hexanone	ND	10	6.9	1	
2-Butanone	ND	10	6.9	1		Isopropylbenzene	3.9	1.0	0.23	1	
n-Butylbenzene	ND	1.0	0.28	1		p-Isopropyltoluene	ND	1.0	0.26	1	
sec-Butylbenzene	0.65	1.0	0.20	1	J	Methylene Chloride	ND	10	2.6	1	
tert-Butylbenzene	0.36	1.0	0.28	1	J	4-Methyl-2-Pentanone	ND	10	4.4	1	
Carbon Disulfide	ND	10	1.9	1		Naphthalene	ND	10	2.5	1	
Carbon Tetrachloride	ND	0.50	0.43	1		n-Propylbenzene	3.6	1.0	0.79	1	
Chlorobenzene	ND	1.0	0.22	1		Styrene	ND	1.0	0.30	1	
Chloroethane	ND	5.0	1.3	1		1,1,1,2-Tetrachloroethane	ND	1.0	0.35	1	
Chloroform	ND	1.0	0.33	1		1,1,2,2-Tetrachloroethane	ND	1.0	0.44	1	
Chloromethane	ND	10	0.49	1		Tetrachloroethene	ND	1.0	0.51	1	
2-Chlorotoluene	ND	1.0	0.55	1		Toluene	ND	1.0	0.33	1	
4-Chlorotoluene	ND	1.0	0.21	1		1,2,3-Trichlorobenzene	ND	1.0	0.31	1	
Dibromochloromethane	ND	1.0	0.48	1		1,2,4-Trichlorobenzene	ND	1.0	0.49	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	3.1	1		1,1,1-Trichloroethane	ND	1.0	0.45	1	
1,2-Dibromoethane	ND	1.0	0.47	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.64	1	
Dibromomethane	ND	1.0	0.59	1		1,1,2-Trichloroethane	ND	1.0	0.54	1	
1,2-Dichlorobenzene	ND	1.0	0.27	1		Trichloroethene	ND	1.0	0.30	1	
1,3-Dichlorobenzene	ND	1.0	0.28	1		Trichlorofluoromethane	ND	10	0.31	1	
1,4-Dichlorobenzene	ND	1.0	0.21	1		1,2,3-Trichloropropane	ND	5.0	1.3	1	
Dichlorodifluoromethane	ND	1.0	0.49	1		1,2,4-Trimethylbenzene	ND	1.0	0.24	1	
1,1-Dichloroethane	ND	1.0	0.37	1		1,3,5-Trimethylbenzene	ND	1.0	0.23	1	
1,2-Dichloroethane	ND	0.50	0.31	1		Vinyl Acetate	ND	10	7.1	1	
1,1-Dichloroethene	ND	1.0	0.40	1		Vinyl Chloride	ND	0.50	0.33	1	
c-1,2-Dichloroethene	ND	1.0	0.49	1		p/m-Xylene	ND	1.0	0.45	1	
t-1,2-Dichloroethene	ND	1.0	0.40	1		o-Xylene	ND	1.0	0.24	1	
1,2-Dichloropropane	ND	1.0	0.38	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.30	1	
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>			<u>Qual</u>	<u>Surrogates:</u>	<u>REC (%)</u>	<u>I Limits</u>			<u>Qual</u>
Dibromofluoromethane	108	82-130				1,2-Dichloroethane-d4	112	75-141			
Toluene-d8	99	83-113				1,4-Bromofluorobenzene	95	70-118			

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

GeoSyntec Consultants
 10875 Rancho Bernardo Road, Suite 200
 San Diego, CA 92127-2116

Date Received: 01/16/09
 Work Order No: 09-01-1396
 Preparation: EPA 5030B
 Method: EPA 8260B
 Units: ug/L

Project: Teledyne Ryan

Page 6 of 8

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
QCTB-3	09-01-1396-6-B	01/16/09 07:45	Aqueous	GC/MS S	01/22/09	01/22/09 17:11	090122L01

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	50	9.1	1		1,3-Dichloropropane	ND	1.0	0.38	1	
Benzene	ND	0.50	0.28	1		2,2-Dichloropropane	ND	1.0	0.46	1	
Bromobenzene	ND	1.0	0.33	1		1,1-Dichloropropene	ND	1.0	0.26	1	
Bromochloromethane	ND	1.0	0.69	1		c-1,3-Dichloropropene	ND	0.50	0.28	1	
Bromodichloromethane	ND	1.0	0.33	1		t-1,3-Dichloropropene	ND	0.50	0.36	1	
Bromoform	ND	1.0	0.55	1		Ethylbenzene	ND	1.0	0.22	1	
Bromomethane	ND	10	4.3	1		2-Hexanone	ND	10	6.9	1	
2-Butanone	ND	10	6.9	1		Isopropylbenzene	ND	1.0	0.23	1	
n-Butylbenzene	ND	1.0	0.28	1		p-Isopropyltoluene	ND	1.0	0.26	1	
sec-Butylbenzene	ND	1.0	0.20	1		Methylene Chloride	ND	10	2.6	1	
tert-Butylbenzene	ND	1.0	0.28	1		4-Methyl-2-Pentanone	ND	10	4.4	1	
Carbon Disulfide	ND	10	1.9	1		Naphthalene	ND	10	2.5	1	
Carbon Tetrachloride	ND	0.50	0.43	1		n-Propylbenzene	ND	1.0	0.79	1	
Chlorobenzene	ND	1.0	0.22	1		Styrene	ND	1.0	0.30	1	
Chloroethane	ND	5.0	1.3	1		1,1,1,2-Tetrachloroethane	ND	1.0	0.35	1	
Chloroform	ND	1.0	0.33	1		1,1,2,2-Tetrachloroethane	ND	1.0	0.44	1	
Chloromethane	ND	10	0.49	1		Tetrachloroethene	ND	1.0	0.51	1	
2-Chlorotoluene	ND	1.0	0.55	1		Toluene	ND	1.0	0.33	1	
4-Chlorotoluene	ND	1.0	0.21	1		1,2,3-Trichlorobenzene	ND	1.0	0.31	1	
Dibromochloromethane	ND	1.0	0.48	1		1,2,4-Trichlorobenzene	ND	1.0	0.49	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	3.1	1		1,1,1-Trichloroethane	ND	1.0	0.45	1	
1,2-Dibromoethane	ND	1.0	0.47	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.64	1	
Dibromomethane	ND	1.0	0.59	1		1,1,2-Trichloroethane	ND	1.0	0.54	1	
1,2-Dichlorobenzene	ND	1.0	0.27	1		Trichloroethene	ND	1.0	0.30	1	
1,3-Dichlorobenzene	ND	1.0	0.28	1		Trichlorofluoromethane	ND	10	0.31	1	
1,4-Dichlorobenzene	ND	1.0	0.21	1		1,2,3-Trichloropropane	ND	5.0	1.3	1	
Dichlorodifluoromethane	ND	1.0	0.49	1		1,2,4-Trimethylbenzene	ND	1.0	0.24	1	
1,1-Dichloroethane	ND	1.0	0.37	1		1,3,5-Trimethylbenzene	ND	1.0	0.23	1	
1,2-Dichloroethane	ND	0.50	0.31	1		Vinyl Acetate	ND	10	7.1	1	
1,1-Dichloroethene	ND	1.0	0.40	1		Vinyl Chloride	ND	0.50	0.33	1	
c-1,2-Dichloroethene	ND	1.0	0.49	1		p/m-Xylene	ND	1.0	0.45	1	
t-1,2-Dichloroethene	ND	1.0	0.40	1		o-Xylene	ND	1.0	0.24	1	
1,2-Dichloropropane	ND	1.0	0.38	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.30	1	
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>			<u>Qual</u>	<u>Surrogates:</u>	<u>REC (%)</u>	<u>I Limits</u>			<u>Qual</u>
Dibromofluoromethane	109	82-130				1,2-Dichloroethane-d4	113	75-141			
Toluene-d8	97	83-113				1,4-Bromofluorobenzene	88	70-118			

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

GeoSyntec Consultants
 10875 Rancho Bernardo Road, Suite 200
 San Diego, CA 92127-2116

Date Received: 01/16/09
 Work Order No: 09-01-1396
 Preparation: EPA 5030B
 Method: EPA 8260B
 Units: ug/L

Project: Teledyne Ryan

Page 7 of 8

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
QCEB-5	09-01-1396-7-B	01/16/09 14:45	Aqueous	GC/MS S	01/22/09	01/22/09 18:09	090122L01

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	50	9.1	1		1,3-Dichloropropane	ND	1.0	0.38	1	
Benzene	ND	0.50	0.28	1		2,2-Dichloropropane	ND	1.0	0.46	1	
Bromobenzene	ND	1.0	0.33	1		1,1-Dichloropropene	ND	1.0	0.26	1	
Bromochloromethane	ND	1.0	0.69	1		c-1,3-Dichloropropene	ND	0.50	0.28	1	
Bromodichloromethane	ND	1.0	0.33	1		t-1,3-Dichloropropene	ND	0.50	0.36	1	
Bromoform	ND	1.0	0.55	1		Ethylbenzene	ND	1.0	0.22	1	
Bromomethane	ND	10	4.3	1		2-Hexanone	ND	10	6.9	1	
2-Butanone	ND	10	6.9	1		Isopropylbenzene	ND	1.0	0.23	1	
n-Butylbenzene	ND	1.0	0.28	1		p-Isopropyltoluene	ND	1.0	0.26	1	
sec-Butylbenzene	ND	1.0	0.20	1		Methylene Chloride	ND	10	2.6	1	
tert-Butylbenzene	ND	1.0	0.28	1		4-Methyl-2-Pentanone	ND	10	4.4	1	
Carbon Disulfide	ND	10	1.9	1		Naphthalene	ND	10	2.5	1	
Carbon Tetrachloride	ND	0.50	0.43	1		n-Propylbenzene	ND	1.0	0.79	1	
Chlorobenzene	ND	1.0	0.22	1		Styrene	ND	1.0	0.30	1	
Chloroethane	ND	5.0	1.3	1		1,1,1,2-Tetrachloroethane	ND	1.0	0.35	1	
Chloroform	ND	1.0	0.33	1		1,1,2,2-Tetrachloroethane	ND	1.0	0.44	1	
Chloromethane	ND	10	0.49	1		Tetrachloroethene	ND	1.0	0.51	1	
2-Chlorotoluene	ND	1.0	0.55	1		Toluene	ND	1.0	0.33	1	
4-Chlorotoluene	ND	1.0	0.21	1		1,2,3-Trichlorobenzene	ND	1.0	0.31	1	
Dibromochloromethane	ND	1.0	0.48	1		1,2,4-Trichlorobenzene	ND	1.0	0.49	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	3.1	1		1,1,1-Trichloroethane	ND	1.0	0.45	1	
1,2-Dibromoethane	ND	1.0	0.47	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.64	1	
Dibromomethane	ND	1.0	0.59	1		1,1,2-Trichloroethane	ND	1.0	0.54	1	
1,2-Dichlorobenzene	ND	1.0	0.27	1		Trichloroethene	ND	1.0	0.30	1	
1,3-Dichlorobenzene	ND	1.0	0.28	1		Trichlorofluoromethane	ND	10	0.31	1	
1,4-Dichlorobenzene	ND	1.0	0.21	1		1,2,3-Trichloropropane	ND	5.0	1.3	1	
Dichlorodifluoromethane	ND	1.0	0.49	1		1,2,4-Trimethylbenzene	ND	1.0	0.24	1	
1,1-Dichloroethane	ND	1.0	0.37	1		1,3,5-Trimethylbenzene	ND	1.0	0.23	1	
1,2-Dichloroethane	ND	0.50	0.31	1		Vinyl Acetate	ND	10	7.1	1	
1,1-Dichloroethene	ND	1.0	0.40	1		Vinyl Chloride	ND	0.50	0.33	1	
c-1,2-Dichloroethene	ND	1.0	0.49	1		p/m-Xylene	ND	1.0	0.45	1	
t-1,2-Dichloroethene	ND	1.0	0.40	1		o-Xylene	ND	1.0	0.24	1	
1,2-Dichloropropane	ND	1.0	0.38	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.30	1	
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>			<u>Qual</u>	<u>Surrogates:</u>	<u>REC (%)</u>	<u>I Limits</u>			<u>Qual</u>
Dibromofluoromethane	100	82-130				1,2-Dichloroethane-d4	101	75-141			
Toluene-d8	99	83-113				1,4-Bromofluorobenzene	96	70-118			

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

GeoSyntec Consultants
 10875 Rancho Bernardo Road, Suite 200
 San Diego, CA 92127-2116

Date Received: 01/16/09
 Work Order No: 09-01-1396
 Preparation: EPA 5030B
 Method: EPA 8260B
 Units: ug/L

Project: Teledyne Ryan

Page 8 of 8

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-10-006-28,182	N/A	Aqueous	GC/MS S	01/22/09	01/22/09 13:16	090122L01

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	50	9.1	1		1,3-Dichloropropane	ND	1.0	0.38	1	
Benzene	ND	0.50	0.28	1		2,2-Dichloropropane	ND	1.0	0.46	1	
Bromobenzene	ND	1.0	0.33	1		1,1-Dichloropropene	ND	1.0	0.26	1	
Bromochloromethane	ND	1.0	0.69	1		c-1,3-Dichloropropene	ND	0.50	0.28	1	
Bromodichloromethane	ND	1.0	0.33	1		t-1,3-Dichloropropene	ND	0.50	0.36	1	
Bromoform	ND	1.0	0.55	1		Ethylbenzene	ND	1.0	0.22	1	
Bromomethane	ND	10	4.3	1		2-Hexanone	ND	10	6.9	1	
2-Butanone	ND	10	6.9	1		Isopropylbenzene	ND	1.0	0.23	1	
n-Butylbenzene	ND	1.0	0.28	1		p-Isopropyltoluene	ND	1.0	0.26	1	
sec-Butylbenzene	ND	1.0	0.20	1		Methylene Chloride	ND	10	2.6	1	
tert-Butylbenzene	ND	1.0	0.28	1		4-Methyl-2-Pentanone	ND	10	4.4	1	
Carbon Disulfide	ND	10	1.9	1		Naphthalene	ND	10	2.5	1	
Carbon Tetrachloride	ND	0.50	0.43	1		n-Propylbenzene	ND	1.0	0.79	1	
Chlorobenzene	ND	1.0	0.22	1		Styrene	ND	1.0	0.30	1	
Chloroethane	ND	5.0	1.3	1		1,1,1,2-Tetrachloroethane	ND	1.0	0.35	1	
Chloroform	ND	1.0	0.33	1		1,1,2,2-Tetrachloroethane	ND	1.0	0.44	1	
Chloromethane	ND	10	0.49	1		Tetrachloroethene	ND	1.0	0.51	1	
2-Chlorotoluene	ND	1.0	0.55	1		Toluene	ND	1.0	0.33	1	
4-Chlorotoluene	ND	1.0	0.21	1		1,2,3-Trichlorobenzene	ND	1.0	0.31	1	
Dibromochloromethane	ND	1.0	0.48	1		1,2,4-Trichlorobenzene	ND	1.0	0.49	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	3.1	1		1,1,1-Trichloroethane	ND	1.0	0.45	1	
1,2-Dibromoethane	ND	1.0	0.47	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.64	1	
Dibromomethane	ND	1.0	0.59	1		1,1,2-Trichloroethane	ND	1.0	0.54	1	
1,2-Dichlorobenzene	ND	1.0	0.27	1		Trichloroethene	ND	1.0	0.30	1	
1,3-Dichlorobenzene	ND	1.0	0.28	1		Trichlorofluoromethane	ND	10	0.31	1	
1,4-Dichlorobenzene	ND	1.0	0.21	1		1,2,3-Trichloropropane	ND	5.0	1.3	1	
Dichlorodifluoromethane	ND	1.0	0.49	1		1,2,4-Trimethylbenzene	ND	1.0	0.24	1	
1,1-Dichloroethane	ND	1.0	0.37	1		1,3,5-Trimethylbenzene	ND	1.0	0.23	1	
1,2-Dichloroethane	ND	0.50	0.31	1		Vinyl Acetate	ND	10	7.1	1	
1,1-Dichloroethene	ND	1.0	0.40	1		Vinyl Chloride	ND	0.50	0.33	1	
c-1,2-Dichloroethene	ND	1.0	0.49	1		p/m-Xylene	ND	1.0	0.45	1	
t-1,2-Dichloroethene	ND	1.0	0.40	1		o-Xylene	ND	1.0	0.24	1	
1,2-Dichloropropane	ND	1.0	0.38	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.30	1	
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>			<u>Qual</u>	<u>Surrogates:</u>	<u>REC (%)</u>	<u>I Limits</u>			<u>Qual</u>
Dibromofluoromethane	105	82-130				1,2-Dichloroethane-d4	113	75-141			
Toluene-d8	98	83-113				1,4-Bromofluorobenzene	90	70-118			

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

GeoSyntec Consultants
 10875 Rancho Bernardo Road, Suite 200
 San Diego, CA 92127-2116

Date Received: 01/16/09
 Work Order No: 09-01-1396
 Preparation: EPA 3010A Total
 Method: EPA 6010B

Project Teledyne Ryan

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
09-01-1395-1	Aqueous	ICP 5300	01/19/09	01/20/09	090119SA4

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Antimony	110	116	72-132	6	0-10	
Arsenic	107	114	80-140	6	0-11	
Barium	104	109	87-123	4	0-6	
Beryllium	103	102	89-119	1	0-8	
Cadmium	103	100	82-124	3	0-7	
Chromium	100	95	86-122	5	0-8	
Cobalt	99	98	83-125	1	0-7	
Copper	101	119	78-126	16	0-7	4
Lead	102	98	84-120	4	0-7	
Molybdenum	107	103	78-126	3	0-7	
Nickel	99	99	84-120	0	0-7	
Selenium	106	110	79-127	4	0-9	
Silver	105	121	86-128	14	0-7	4
Thallium	100	92	79-121	8	0-8	
Vanadium	101	101	88-118	0	0-7	
Zinc	103	112	89-131	9	0-8	4

RPD - Relative Percent Difference , CL - Control Limit



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 San Diego, CA 92127-2116

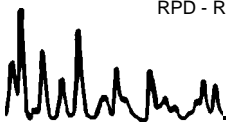
Date Received: 01/16/09
 Work Order No: 09-01-1396
 Preparation: EPA 7470A Total
 Method: EPA 7470A

Project Teledyne Ryan

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
MWCL-5	Aqueous	Mercury	01/22/09	01/22/09	090122S02

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Mercury	81	82	66-126	2	0-7	

RPD - Relative Percent Difference , CL - Control Limit



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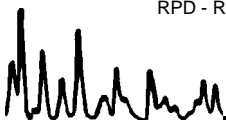
Date Received: 01/16/09
 Work Order No: 09-01-1396
 Preparation: EPA 5030B
 Method: EPA 8260B

Project Teledyne Ryan

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
09-01-1228-13	Aqueous	GC/MS S	01/22/09	01/22/09	090122S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	97	97	88-118	0	0-7	
Carbon Tetrachloride	109	114	67-145	4	0-11	
Chlorobenzene	96	96	88-118	0	0-7	
1,2-Dibromoethane	103	100	70-130	3	0-30	
1,2-Dichlorobenzene	95	96	86-116	2	0-8	
1,1-Dichloroethene	87	87	70-130	0	0-25	
Ethylbenzene	102	98	70-130	4	0-30	
Toluene	100	100	87-123	1	0-8	
Trichloroethene	95	94	79-127	2	0-10	
Vinyl Chloride	88	90	69-129	2	0-13	
Methyl-t-Butyl Ether (MTBE)	103	105	71-131	2	0-13	
Tert-Butyl Alcohol (TBA)	89	94	36-168	6	0-45	
Diisopropyl Ether (DIPE)	91	92	81-123	1	0-9	
Ethyl-t-Butyl Ether (ETBE)	91	97	72-126	6	0-12	
Tert-Amyl-Methyl Ether (TAME)	103	106	72-126	3	0-12	
Ethanol	83	85	53-149	2	0-31	

RPD - Relative Percent Difference , CL - Control Limit



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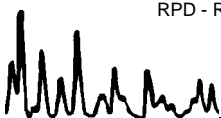
Date Received: N/A
 Work Order No: 09-01-1396
 Preparation: EPA 3010A Total
 Method: EPA 6010B

Project: Teledyne Ryan

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number		
097-01-003-9,053	Aqueous	ICP 5300	01/19/09	01/20/09	090119LA4		
Parameter	LCS %REC	LCSD %REC	%REC CL	ME CL	RPD	RPD CL	Qualifiers
Antimony	97	96	80-120	73-127	1	0-20	
Arsenic	95	94	80-120	73-127	1	0-20	
Barium	104	104	80-120	73-127	1	0-20	
Beryllium	99	99	80-120	73-127	0	0-20	
Cadmium	106	107	80-120	73-127	1	0-20	
Chromium	100	101	80-120	73-127	1	0-20	
Cobalt	106	106	80-120	73-127	0	0-20	
Copper	101	101	80-120	73-127	0	0-20	
Lead	106	105	80-120	73-127	1	0-20	
Molybdenum	103	103	80-120	73-127	1	0-20	
Nickel	109	108	80-120	73-127	1	0-20	
Selenium	98	99	80-120	73-127	1	0-20	
Silver	104	105	80-120	73-127	1	0-20	
Thallium	103	101	80-120	73-127	2	0-20	
Vanadium	97	98	80-120	73-127	1	0-20	
Zinc	105	105	80-120	73-127	0	0-20	

Total number of LCS compounds : 16
 Total number of ME compounds : 0
 Total number of ME compounds allowed : 1
 LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit





GeoSyntec Consultants
 10875 Rancho Bernardo Road, Suite 200
 San Diego, CA 92127-2116

Date Received: N/A
 Work Order No: 09-01-1396
 Preparation: EPA 3510C
 Method: EPA 8015B (M)

Project: Teledyne Ryan

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-308-980	Aqueous	GC 6	01/19/09	01/20/09	090119B11

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Diesel	85	86	75-117	1	0-13	

RPD - Relative Percent Difference , CL - Control Limit



GeoSyntec Consultants
 10875 Rancho Bernardo Road, Suite 200
 San Diego, CA 92127-2116

Date Received: N/A
 Work Order No: 09-01-1396
 Preparation: EPA 7470A Total
 Method: EPA 7470A

Project: Teledyne Ryan

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-04-008-3,903	Aqueous	Mercury	01/22/09	01/22/09	090122L02

<u>Parameter</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>%REC CL</u>	<u>RPD</u>	<u>RPD CL</u>	<u>Qualifiers</u>
Mercury	100	100	85-121	0	0-4	

RPD - Relative Percent Difference , CL - Control Limit



GeoSyntec Consultants
 10875 Rancho Bernardo Road, Suite 200
 San Diego, CA 92127-2116

Date Received: N/A
 Work Order No: 09-01-1396
 Preparation: EPA 3520C
 Method: EPA 8270C(M) Isotope Dilution

Project: Teledyne Ryan

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-09-004-1,185	Aqueous	GC/MS AAA	01/19/09	01/20/09	090119L09D

<u>Parameter</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>%REC CL</u>	<u>RPD</u>	<u>RPD CL</u>	<u>Qualifiers</u>
1,4-Dioxane	112	112	50-130	0	0-20	

RPD - Relative Percent Difference , CL - Control Limit

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 San Diego, CA 92127-2116

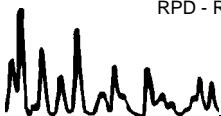
Date Received: N/A
 Work Order No: 09-01-1396
 Preparation: EPA 3510C
 Method: EPA 8270C SIM

Project: Teledyne Ryan

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number		
099-12-430-61	Aqueous	GC/MS GG	01/19/09	01/23/09	090119L07		
Parameter	LCS %REC	LCSD %REC	%REC CL	ME CL	RPD	RPD CL	Qualifiers
2,4,5-Trichlorophenol	66	69	40-160	20-180	5	0-20	
2,4-Dichlorophenol	67	70	40-160	20-180	5	0-20	
2-Methylphenol	82	88	40-160	20-180	7	0-20	
2-Nitrophenol	61	65	40-160	20-180	6	0-20	
4-Chloro-3-Methylphenol	60	63	40-160	20-180	5	0-20	
Acenaphthene	55	57	55-121	44-132	3	0-15	
Benzo (a) Pyrene	66	68	17-163	0-187	4	0-20	
Chrysene	60	62	17-168	0-193	3	0-20	
Di-n-Butyl Phthalate	72	74	40-160	20-180	2	0-20	
Dimethyl Phthalate	61	63	40-160	20-180	4	0-20	
Fluoranthene	70	73	26-137	8-156	4	0-20	
Fluorene	63	64	59-121	49-131	2	0-20	
N-Nitrosodimethylamine	46	49	40-160	20-180	6	0-20	
Naphthalene	52	54	21-133	2-152	3	0-20	
Phenanthrene	67	69	54-120	43-131	3	0-20	
Phenol	43	45	40-160	20-180	6	0-20	
Pyrene	59	61	45-129	31-143	3	0-15	

Total number of LCS compounds : 17
 Total number of ME compounds : 0
 Total number of ME compounds allowed : 1
 LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit



GeoSyntec Consultants
 10875 Rancho Bernardo Road, Suite 200
 San Diego, CA 92127-2116

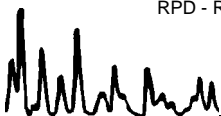
Date Received: N/A
 Work Order No: 09-01-1396
 Preparation: EPA 5030B
 Method: EPA 8260B

Project: Teledyne Ryan

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number		
099-10-006-28,182	Aqueous	GC/MS S	01/22/09	01/22/09	090122L01		
Parameter	LCS %REC	LCSD %REC	%REC CL	ME CL	RPD	RPD CL	Qualifiers
Benzene	96	100	84-120	78-126	4	0-8	
Carbon Tetrachloride	112	115	63-147	49-161	3	0-10	
Chlorobenzene	96	98	89-119	84-124	2	0-7	
1,2-Dibromoethane	100	102	80-120	73-127	2	0-20	
1,2-Dichlorobenzene	98	100	89-119	84-124	2	0-9	
1,1-Dichloroethene	96	95	77-125	69-133	1	0-16	
Ethylbenzene	102	104	80-120	73-127	2	0-20	
Toluene	100	103	83-125	76-132	3	0-9	
Trichloroethene	98	101	89-119	84-124	3	0-8	
Vinyl Chloride	87	91	63-135	51-147	4	0-13	
Methyl-t-Butyl Ether (MTBE)	101	103	82-118	76-124	2	0-13	
Tert-Butyl Alcohol (TBA)	81	91	46-154	28-172	11	0-32	
Diisopropyl Ether (DIPE)	91	90	81-123	74-130	1	0-11	
Ethyl-t-Butyl Ether (ETBE)	96	98	74-122	66-130	2	0-12	
Tert-Amyl-Methyl Ether (TAME)	102	106	76-124	68-132	4	0-10	
Ethanol	89	80	60-138	47-151	11	0-32	

Total number of LCS compounds : 16
 Total number of ME compounds : 0
 Total number of ME compounds allowed : 1
 LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit



Work Order Number: 09-01-1396

<u>Qualifier</u>	<u>Definition</u>
*	See applicable analysis comment.
1	Surrogate compound recovery was out of control due to a required sample dilution, therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to matrix interference. The associated LCS and/or LCSD was in control and, therefore, the sample data was reported without further clarification.
4	The MS/MSD RPD was out of control due to matrix interference. The LCS/LCSD RPD was in control and, therefore, the sample data was reported without further clarification.
5	The PDS/PDSD associated with this batch of samples was out of control due to a matrix interference effect. The associated batch LCS/LCSD was in control and, hence, the associated sample data was reported with no further corrective action required.
A	Result is the average of all dilutions, as defined by the method.
B	Analyte was present in the associated method blank.
C	Analyte presence was not confirmed on primary column.
E	Concentration exceeds the calibration range.
H	Sample received and/or analyzed past the recommended holding time.
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
ME	LCS Recovery Percentage is within LCS ME Control Limit range.
N	Nontarget Analyte.
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
U	Undetected at the laboratory method detection limit.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.



Stephen Nowak

From: CLieder@Geosyntec.com
Sent: Monday, January 19, 2009 10:39 AM
To: Stephen Nowak
Cc: BHitchens@Geosyntec.com
Subject: Change for MWCL-8

Steve,

It appears that MWCL-8 has a few more analyses that are not needed. The following table indicates what needs to be analyzed and what needs to be removed.

Analysis Needed	Analysis Removed
TPH (8015B) (M)	EPA 300 Anions
Mercury (7470A)	Organic Acids
VOCs (8260B)	Sulfide
1,4-Dioxane (8270C) (M) Isotope Solution	Total Organic Carbon
SVOCs (8270C) SIM Super Aqueous	
Metals (6010B/7470A) Title 22	
PCB High Res (Columbia Analytical/Houston)	

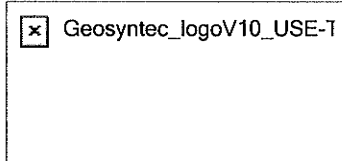
I know the PCBs are not on your sample log, but just wanted to make sure that they are being sent to Columbia Analytical. Any Questions please call me.

Thanks,

Chris

Chris Lieder, PG 8607**Geosyntec Consultants**

10875 Rancho Bernardo Road, Suite 200
San Diego, California 92127
Phone: 858-674-6559
Fax: 858-674-6586
Mobile: 619-980-4558
E-Mail: clieder@geosyntec.com



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01/19/2009

SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: Blaine Tech

DATE: 1/16/09

TEMPERATURE: (Criteria: 0.0 °C – 6.0 °C, not frozen)

Temperature 2.1 °C - 0.2 °C (CF) = 1.9 °C Blank Sample

Sample(s) outside temperature criteria (PM/APM contacted by: _____).

Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling.

Received at ambient temperature, placed on ice for transport by Courier.

Ambient Temperature: Air Filter Metals Only PCBs Only

Initial: [Signature]

CUSTODY SEALS INTACT:

Cooler _____ No (Not Intact) Not Present N/A

Initial: [Signature]

Sample _____ No (Not Intact) Not Present

Initial: W.S.C.

SAMPLE CONDITION:

	Yes	No	N/A
Chain-Of-Custody (COC) document(s) received with samples.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
COC document(s) received complete.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sampler's name indicated on COC.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sample container label(s) consistent with COC.....	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Sample container(s) intact and good condition.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Correct containers and volume for analyses requested.....	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Analyses received within holding time.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Proper preservation noted on COC or sample container.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Volatile analysis container(s) free of headspace.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Tedlar bag(s) free of condensation.....	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

CONTAINER TYPE:

Solid: 4ozCGJ 8ozCGJ 16ozCGJ Sleeve EnCores® TerraCores® _____

Water: VOA VOA_h VOA_{na2} 125AGB 125AGB_h 125AGB_{po4} 1AGB 1AGB_{na2}

1AGB_s 500AGB 500AGB_s 250CGB 250CGB_s 1PB 500PB 500PB_{na} 250PB

250PB_n 125PB 125PB_{znna} 100PBsterile 100PB_{na2} 125PB_{po4} _____ _____

Air: Tedlar® Summa® _____

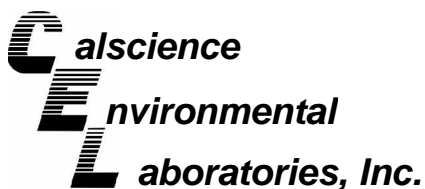
Checked/Labeled by: W.S.C.

Container: C:Clear A:Amber P:Poly/Plastic G:Glass J:Jar B:Bottle

Reviewed by: DC

Preservative: h:HCL n:HNO₃ na₂:Na₂S₂O₃ na:NaOH po₄:H₃PO₄ s:H₂SO₄ znna:ZnAc₂+NaOH

Scanned by: W.S.C.



January 28, 2009

Brian Hitchens
GeoSyntec Consultants
10875 Rancho Bernardo Road, Suite 200
San Diego, CA 92127-2116

Subject: **Calscience Work Order No.: 09-01-1395**
Client Reference: Teledyne Ryan

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 1/16/2009 and analyzed in accordance with the attached chain-of-custody.

Unless otherwise noted, all analytical testing was accomplished in accordance with the guidelines established in our Quality Systems Manual, applicable standard operating procedures, and other related documentation. The original report of subcontracted analysis, if any, is provided herein, and follows the standard Calscience data package. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety.

If you have any questions regarding this report, please do not hesitate to contact the undersigned.

Sincerely,

A handwritten signature in black ink, appearing to read "S. Nowak".

Calscience Environmental
Laboratories, Inc.
Stephen Nowak
Project Manager

Analytical Report



GeoSyntec Consultants
10875 Rancho Bernardo Road, Suite 200
San Diego, CA 92127-2116

Date Received: 01/16/09
Work Order No: 09-01-1395
Preparation: N/A
Method: RSK-175M

Project: Teledyne Ryan

Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
BLD120-MW1	09-01-1395-5-D	01/16/09 13:10	Aqueous	GC 52	N/A	01/20/09 00:00	090120L01

Comment(s): -Results were evaluated to the MDL, concentrations \geq to the MDL but $<$ RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units
Ethane	1.76	1.00	0.00547	1		ug/L
Ethylene	89.5	1.00	0.0933	1		ug/L
Methane	817	8.00	0.0627	8		ug/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
BLD120-MW6	09-01-1395-6-D	01/16/09 12:18	Aqueous	GC 52	N/A	01/20/09 00:00	090120L01

Comment(s): -Results were evaluated to the MDL, concentrations \geq to the MDL but $<$ RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units
Ethane	0.560	1.00	0.00547	1	J	ug/L
Ethylene	78.5	1.00	0.0933	1		ug/L
Methane	415	8.00	0.0627	8		ug/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
BLD131-MW6	09-01-1395-7-D	01/16/09 14:13	Aqueous	GC 52	N/A	01/20/09 00:00	090120L01

Comment(s): -Results were evaluated to the MDL, concentrations \geq to the MDL but $<$ RL, if found, are qualified with a "J" flag.

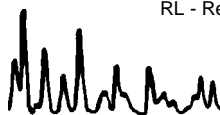
Parameter	Result	RL	MDL	DF	Qual	Units
Ethane	79.7	1.00	0.00547	1		ug/L
Ethylene	442	8.00	0.747	8		ug/L
Methane	3130	40.0	0.314	40		ug/L

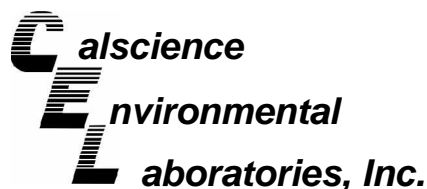
Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-12-661-161-A	N/A	Aqueous	GC 52	N/A	01/20/09 00:00	090120L01

Comment(s): -Results were evaluated to the MDL, concentrations \geq to the MDL but $<$ RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units
Ethane	ND	1.00	0.00547	1		ug/L
Ethylene	ND	1.00	0.0933	1		ug/L
Methane	ND	1.00	0.00784	1		ug/L

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers





Analytical Report



GeoSyntec Consultants
10875 Rancho Bernardo Road, Suite 200
San Diego, CA 92127-2116

Date Received: 01/16/09
Work Order No: 09-01-1395
Preparation: EPA 3010A Total / EPA 7470A Total
Method: EPA 6010B / EPA 7470A

Project: Teledyne Ryan

Page 1 of 5

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MWCL-1	09-01-1395-1-D	01/16/09 09:15	Aqueous	ICP 5300	01/19/09	01/20/09 14:48	090119LA4

Comment(s): -Results were evaluated to the MDL, concentrations \geq to the MDL but $<$ RL, if found, are qualified with a "J" flag.

-Mercury was analyzed on 01/22/2009 2:51:41 PM with batch 090122L02

Parameter	Result	RL	MDL	DF	Qual	Units
Antimony	0.00220	0.0150	0.00209	1	J	mg/L
Arsenic	ND	0.0100	0.00308	1		mg/L
Barium	0.0472	0.0100	0.000719	1		mg/L
Beryllium	ND	0.00100	0.000176	1		mg/L
Cadmium	ND	0.00500	0.000350	1		mg/L
Chromium	ND	0.00500	0.000350	1		mg/L
Cobalt	ND	0.00500	0.000696	1		mg/L
Copper	ND	0.00500	0.00134	1		mg/L
Lead	ND	0.0100	0.00236	1		mg/L
Mercury	ND	0.000500	0.0000177	1		mg/L
Molybdenum	0.00286	0.00500	0.000800	1	J	mg/L
Nickel	ND	0.00500	0.00137	1		mg/L
Selenium	0.00529	0.0150	0.00295	1	J	mg/L
Silver	ND	0.00500	0.000400	1		mg/L
Thallium	ND	0.0150	0.00233	1		mg/L
Vanadium	0.00354	0.00500	0.000314	1	J	mg/L
Zinc	0.00213	0.0100	0.000848	1	J	mg/L

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Analytical Report



GeoSyntec Consultants
10875 Rancho Bernardo Road, Suite 200
San Diego, CA 92127-2116

Date Received: 01/16/09
Work Order No: 09-01-1395
Preparation: EPA 3010A Total / EPA 7470A Total
Method: EPA 6010B / EPA 7470A

Project: Teledyne Ryan

Page 2 of 5

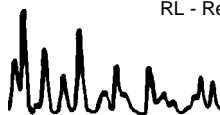
Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MWCL-2	09-01-1395-2-D	01/16/09 08:03	Aqueous	ICP 5300	01/19/09	01/20/09 15:01	090119LA4

Comment(s): -Results were evaluated to the MDL, concentrations \geq to the MDL but $<$ RL, if found, are qualified with a "J" flag.

-Mercury was analyzed on 01/22/2009 2:58:25 PM with batch 090122L02

Parameter	Result	RL	MDL	DF	Qual	Units
Antimony	ND	0.0150	0.00209	1		mg/L
Arsenic	ND	0.0100	0.00308	1		mg/L
Barium	0.109	0.0100	0.000719	1		mg/L
Beryllium	0.000509	0.00100	0.000176	1	J	mg/L
Cadmium	ND	0.00500	0.000350	1		mg/L
Chromium	ND	0.00500	0.000350	1		mg/L
Cobalt	ND	0.00500	0.000696	1		mg/L
Copper	0.00234	0.00500	0.00134	1	J	mg/L
Lead	ND	0.0100	0.00236	1		mg/L
Mercury	ND	0.000500	0.0000177	1		mg/L
Molybdenum	0.00209	0.00500	0.000800	1	J	mg/L
Nickel	ND	0.00500	0.00137	1		mg/L
Selenium	ND	0.0150	0.00295	1		mg/L
Silver	ND	0.00500	0.000400	1		mg/L
Thallium	ND	0.0150	0.00233	1		mg/L
Vanadium	ND	0.00500	0.000314	1		mg/L
Zinc	0.00962	0.0100	0.000848	1	J	mg/L

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Analytical Report



GeoSyntec Consultants
10875 Rancho Bernardo Road, Suite 200
San Diego, CA 92127-2116

Date Received: 01/16/09
Work Order No: 09-01-1395
Preparation: EPA 3010A Total / EPA 7470A Total
Method: EPA 6010B / EPA 7470A

Project: Teledyne Ryan

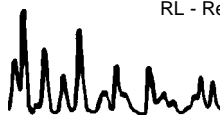
Page 3 of 5

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MWCL-3	09-01-1395-3-D	01/16/09 11:17	Aqueous	ICP 5300	01/19/09	01/20/09 15:04	090119LA4

Comment(s): -Results were evaluated to the MDL, concentrations \geq to the MDL but $<$ RL, if found, are qualified with a "J" flag.
-Mercury was analyzed on 01/22/2009 3:02:51 PM with batch 090122L02

Parameter	Result	RL	MDL	DF	Qual	Units
Antimony	0.00583	0.0150	0.00209	1	J	mg/L
Arsenic	ND	0.0100	0.00308	1		mg/L
Barium	0.0715	0.0100	0.000719	1		mg/L
Beryllium	ND	0.00100	0.000176	1		mg/L
Cadmium	ND	0.00500	0.000350	1		mg/L
Chromium	ND	0.00500	0.000350	1		mg/L
Cobalt	ND	0.00500	0.000696	1		mg/L
Copper	0.00229	0.00500	0.00134	1	J	mg/L
Lead	ND	0.0100	0.00236	1		mg/L
Mercury	ND	0.000500	0.0000177	1		mg/L
Molybdenum	ND	0.00500	0.000800	1		mg/L
Nickel	0.0161	0.00500	0.00137	1		mg/L
Selenium	0.0229	0.0150	0.00295	1		mg/L
Silver	ND	0.00500	0.000400	1		mg/L
Thallium	ND	0.0150	0.00233	1		mg/L
Vanadium	ND	0.00500	0.000314	1		mg/L
Zinc	0.0153	0.0100	0.000848	1		mg/L

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Analytical Report



GeoSyntec Consultants
10875 Rancho Bernardo Road, Suite 200
San Diego, CA 92127-2116

Date Received: 01/16/09
Work Order No: 09-01-1395
Preparation: EPA 3010A Total / EPA 7470A Total
Method: EPA 6010B / EPA 7470A

Project: Teledyne Ryan

Page 4 of 5

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MWCL-4	09-01-1395-4-D	01/16/09 10:19	Aqueous	ICP 5300	01/19/09	01/20/09 15:07	090119LA4

Comment(s): -Results were evaluated to the MDL, concentrations \geq to the MDL but $<$ RL, if found, are qualified with a "J" flag.
-Mercury was analyzed on 01/22/2009 3:05:06 PM with batch 090122L02

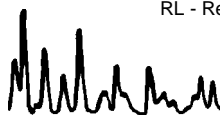
Parameter	Result	RL	MDL	DF	Qual	Units
Antimony	ND	0.0150	0.00209	1		mg/L
Arsenic	ND	0.0100	0.00308	1		mg/L
Barium	0.0487	0.0100	0.000719	1		mg/L
Beryllium	ND	0.00100	0.000176	1		mg/L
Cadmium	ND	0.00500	0.000350	1		mg/L
Chromium	ND	0.00500	0.000350	1		mg/L
Cobalt	ND	0.00500	0.000696	1		mg/L
Copper	ND	0.00500	0.00134	1		mg/L
Lead	ND	0.0100	0.00236	1		mg/L
Mercury	0.0000242	0.000500	0.0000177	1	J	mg/L
Molybdenum	0.00220	0.00500	0.000800	1	J	mg/L
Nickel	ND	0.00500	0.00137	1		mg/L
Selenium	ND	0.0150	0.00295	1		mg/L
Silver	ND	0.00500	0.000400	1		mg/L
Thallium	ND	0.0150	0.00233	1		mg/L
Vanadium	0.00350	0.00500	0.000314	1	J	mg/L
Zinc	0.00270	0.0100	0.000848	1	J	mg/L

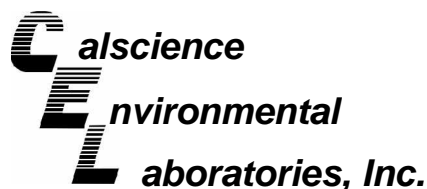
Method Blank	099-04-008-3,903	N/A	Aqueous	Mercury	01/22/09	01/22/09 14:31	090122L02
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Comment(s): -Results were evaluated to the MDL, concentrations \geq to the MDL but $<$ RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units
Mercury	ND	0.000500	0.0000177	1		mg/L

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers





Analytical Report



GeoSyntec Consultants
10875 Rancho Bernardo Road, Suite 200
San Diego, CA 92127-2116

Date Received: 01/16/09
Work Order No: 09-01-1395
Preparation: EPA 3010A Total / EPA 7470A Total
Method: EPA 6010B / EPA 7470A

Project: Teledyne Ryan

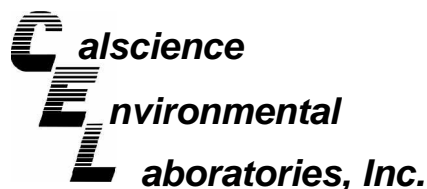
Page 5 of 5

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	097-01-003-9,053	N/A	Aqueous	ICP 5300	01/19/09	01/20/09 14:29	090119LA4

Comment(s): -Results were evaluated to the MDL, concentrations \geq to the MDL but $<$ RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units
Antimony	ND	0.0150	0.00209	1		mg/L
Arsenic	ND	0.0100	0.00308	1		mg/L
Barium	ND	0.0100	0.000719	1		mg/L
Beryllium	ND	0.00100	0.000176	1		mg/L
Cadmium	ND	0.00500	0.000350	1		mg/L
Chromium	ND	0.00500	0.000350	1		mg/L
Cobalt	ND	0.00500	0.000696	1		mg/L
Copper	ND	0.00500	0.00134	1		mg/L
Lead	ND	0.0100	0.00236	1		mg/L
Molybdenum	ND	0.00500	0.000800	1		mg/L
Nickel	ND	0.00500	0.00137	1		mg/L
Selenium	ND	0.0150	0.00295	1		mg/L
Silver	ND	0.00500	0.000400	1		mg/L
Thallium	ND	0.0150	0.00233	1		mg/L
Vanadium	ND	0.00500	0.000314	1		mg/L
Zinc	ND	0.0100	0.000848	1		mg/L

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Analytical Report



GeoSyntec Consultants
10875 Rancho Bernardo Road, Suite 200
San Diego, CA 92127-2116

Date Received: 01/16/09
Work Order No: 09-01-1395
Preparation: EPA 3510C
Method: EPA 8015B (M)
Units: ug/L

Project: Teledyne Ryan

Page 1 of 3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MWCL-1	09-01-1395-1-F	01/16/09 09:15	Aqueous	GC 46	01/19/09	01/20/09 09:38	090119B07

Comment(s): -Results were evaluated to the MDL, concentrations \geq to the MDL but $<$ RL, if found, are qualified with a "J" flag.

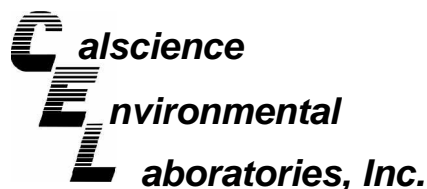
Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
C6	ND		0.0	1		C21-C22	ND		0.0	1	
C7	ND		0.0	1		C23-C24	ND		0.0	1	
C8	ND		0.0	1		C25-C28	ND		0.0	1	
C9-C10	ND		0.0	1		C29-C32	ND		0.0	1	
C11-C12	ND		0.0	1		C33-C36	ND		0.0	1	
C13-C14	ND		0.0	1		C37-C40	ND		0.0	1	
C15-C16	ND		0.0	1		C41-C44	ND		0.0	1	
C17-C18	ND		0.0	1		C6-C44 Total	ND	500	480	1	
C19-C20	ND		0.0	1							
Surrogates:	REC (%)	Control Limits			Qual						
Decachlorobiphenyl	115	68-140									

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MWCL-2	09-01-1395-2-F	01/16/09 08:03	Aqueous	GC 46	01/19/09	01/20/09 09:54	090119B07

Comment(s): -Results were evaluated to the MDL, concentrations \geq to the MDL but $<$ RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
C6	ND		0.0	1		C21-C22	ND		0.0	1	
C7	ND		0.0	1		C23-C24	ND		0.0	1	
C8	ND		0.0	1		C25-C28	ND		0.0	1	
C9-C10	ND		0.0	1		C29-C32	ND		0.0	1	
C11-C12	ND		0.0	1		C33-C36	ND		0.0	1	
C13-C14	ND		0.0	1		C37-C40	ND		0.0	1	
C15-C16	ND		0.0	1		C41-C44	ND		0.0	1	
C17-C18	ND		0.0	1		C6-C44 Total	ND	500	480	1	
C19-C20	ND		0.0	1							
Surrogates:	REC (%)	Control Limits			Qual						
Decachlorobiphenyl	102	68-140									

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Analytical Report



GeoSyntec Consultants
10875 Rancho Bernardo Road, Suite 200
San Diego, CA 92127-2116

Date Received: 01/16/09
Work Order No: 09-01-1395
Preparation: EPA 3510C
Method: EPA 8015B (M)
Units: ug/L

Project: Teledyne Ryan

Page 2 of 3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MWCL-3	09-01-1395-3-F	01/16/09 11:17	Aqueous	GC 46	01/19/09	01/20/09 10:09	090119B07

Comment(s): -Results were evaluated to the MDL, concentrations \geq to the MDL but $<$ RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
C6	ND		0.0	1		C21-C22	ND		0.0	1	
C7	ND		0.0	1		C23-C24	ND		0.0	1	
C8	ND		0.0	1		C25-C28	ND		0.0	1	
C9-C10	ND		0.0	1		C29-C32	ND		0.0	1	
C11-C12	ND		0.0	1		C33-C36	ND		0.0	1	
C13-C14	ND		0.0	1		C37-C40	ND		0.0	1	
C15-C16	ND		0.0	1		C41-C44	ND		0.0	1	
C17-C18	ND		0.0	1		C6-C44 Total	ND	500	480	1	
C19-C20	ND		0.0	1							
Surrogates:	REC (%)	Control Limits			Qual						
Decachlorobiphenyl	103	68-140									

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MWCL-4	09-01-1395-4-F	01/16/09 10:19	Aqueous	GC 46	01/19/09	01/20/09 10:24	090119B07

Comment(s): -Results were evaluated to the MDL, concentrations \geq to the MDL but $<$ RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
C6	ND		0.0	1		C21-C22	ND		0.0	1	
C7	ND		0.0	1		C23-C24	ND		0.0	1	
C8	ND		0.0	1		C25-C28	ND		0.0	1	
C9-C10	ND		0.0	1		C29-C32	ND		0.0	1	
C11-C12	ND		0.0	1		C33-C36	ND		0.0	1	
C13-C14	ND		0.0	1		C37-C40	ND		0.0	1	
C15-C16	ND		0.0	1		C41-C44	ND		0.0	1	
C17-C18	ND		0.0	1		C6-C44 Total	ND	500	480	1	
C19-C20	ND		0.0	1							
Surrogates:	REC (%)	Control Limits			Qual						
Decachlorobiphenyl	101	68-140									

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Analytical Report



GeoSyntec Consultants
10875 Rancho Bernardo Road, Suite 200
San Diego, CA 92127-2116

Date Received: 01/16/09
Work Order No: 09-01-1395
Preparation: EPA 3510C
Method: EPA 8015B (M)
Units: ug/L

Project: Teledyne Ryan

Page 3 of 3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
BLD120-MW1	09-01-1395-5-F	01/16/09 13:10	Aqueous	GC 46	01/19/09	01/20/09 10:39	090119B07

Comment(s): -Results were evaluated to the MDL, concentrations \geq to the MDL but $<$ RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
C6	ND		0.0	1		C21-C22	290		0.0	1	
C7	70		0.0	1		C23-C24	150		0.0	1	
C8	200		0.0	1		C25-C28	130		0.0	1	
C9-C10	220		0.0	1		C29-C32	22		0.0	1	
C11-C12	1200		0.0	1		C33-C36	ND		0.0	1	
C13-C14	870		0.0	1		C37-C40	ND		0.0	1	
C15-C16	150		0.0	1		C41-C44	ND		0.0	1	
C17-C18	62		0.0	1		C6-C44 Total	3900	500	480	1	
C19-C20	540		0.0	1							
Surrogates:	REC (%)	Control Limits			Qual						
Decachlorobiphenyl	99	68-140									

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
BLD120-MW6	09-01-1395-6-J	01/16/09 12:18	Aqueous	GC 46	01/19/09	01/20/09 10:55	090119B07

Comment(s): -Results were evaluated to the MDL, concentrations \geq to the MDL but $<$ RL, if found, are qualified with a "J" flag.

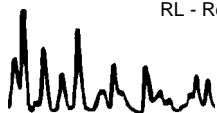
Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
C6	ND		0.0	1		C21-C22	ND		0.0	1	
C7	ND		0.0	1		C23-C24	ND		0.0	1	
C8	ND		0.0	1		C25-C28	ND		0.0	1	
C9-C10	ND		0.0	1		C29-C32	ND		0.0	1	
C11-C12	ND		0.0	1		C33-C36	ND		0.0	1	
C13-C14	ND		0.0	1		C37-C40	ND		0.0	1	
C15-C16	ND		0.0	1		C41-C44	ND		0.0	1	
C17-C18	ND		0.0	1		C6-C44 Total	ND	500	480	1	
C19-C20	ND		0.0	1							
Surrogates:	REC (%)	Control Limits			Qual						
Decachlorobiphenyl	95	68-140									

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-12-308-978	N/A	Aqueous	GC 46	01/19/09	01/20/09 05:04	090119B07

Comment(s): -Results were evaluated to the MDL, concentrations \geq to the MDL but $<$ RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual
TPH as Diesel	ND	500	480	1	
Surrogates:	REC (%)	Control Limits			Qual
Decachlorobiphenyl	115	68-140			

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Analytical Report



GeoSyntec Consultants
10875 Rancho Bernardo Road, Suite 200
San Diego, CA 92127-2116

Date Received: 01/16/09
Work Order No: 09-01-1395
Preparation: EPA 3520C
Method: EPA 8270C(M) Isotope
Dilution

Project: Teledyne Ryan

Page 1 of 2

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MWCL-1	09-01-1395-1-G	01/16/09 09:15	Aqueous	GC/MS AAA	01/19/09	01/20/09 22:33	090119L09D

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units
1,4-Dioxane	9.8	2.0	0.40	1		ug/L
Surrogates:	REC (%)	Control Limits			Qual	
Nitrobenzene-d5	93	56-123				

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MWCL-2	09-01-1395-2-I	01/16/09 08:03	Aqueous	GC/MS AAA	01/19/09	01/20/09 22:57	090119L09D

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units
1,4-Dioxane	ND	2.0	0.40	1		ug/L
Surrogates:	REC (%)	Control Limits			Qual	
Nitrobenzene-d5	78	56-123				

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MWCL-3	09-01-1395-3-G	01/16/09 11:17	Aqueous	GC/MS AAA	01/19/09	01/20/09 23:21	090119L09D

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units
1,4-Dioxane	ND	2.0	0.40	1		ug/L
Surrogates:	REC (%)	Control Limits			Qual	
Nitrobenzene-d5	93	56-123				

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MWCL-4	09-01-1395-4-I	01/16/09 10:19	Aqueous	GC/MS AAA	01/19/09	01/20/09 23:45	090119L09D

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units
1,4-Dioxane	ND	2.0	0.40	1		ug/L
Surrogates:	REC (%)	Control Limits			Qual	
Nitrobenzene-d5	95	56-123				

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Analytical Report



GeoSyntec Consultants
10875 Rancho Bernardo Road, Suite 200
San Diego, CA 92127-2116

Date Received: 01/16/09
Work Order No: 09-01-1395
Preparation: EPA 3520C
Method: EPA 8270C(M) Isotope Dilution

Project: Teledyne Ryan

Page 2 of 2

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
BLD120-MW1	09-01-1395-5-K	01/16/09 13:10	Aqueous	GC/MS AAA	01/19/09	01/21/09 00:09	090119L09D

Comment(s): -Results were evaluated to the MDL, concentrations \geq to the MDL but $<$ RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units
1,4-Dioxane	1000	20		10		ug/L
Surrogates:	REC (%)	Control Limits			Qual	
Nitrobenzene-d5	74	56-123				

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
BLD120-MW6	09-01-1395-6-K	01/16/09 12:18	Aqueous	GC/MS AAA	01/19/09	01/21/09 00:33	090119L09D

Comment(s): -Results were evaluated to the MDL, concentrations \geq to the MDL but $<$ RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units
1,4-Dioxane	15	2.0	0.40	1		ug/L
Surrogates:	REC (%)	Control Limits			Qual	
Nitrobenzene-d5	93	56-123				

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
BLD131-MW6	09-01-1395-7-J	01/16/09 14:13	Aqueous	GC/MS AAA	01/19/09	01/21/09 00:57	090119L09D

Comment(s): -Results were evaluated to the MDL, concentrations \geq to the MDL but $<$ RL, if found, are qualified with a "J" flag.

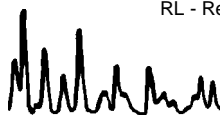
Parameter	Result	RL	MDL	DF	Qual	Units
1,4-Dioxane	19	2.0	0.40	1		ug/L
Surrogates:	REC (%)	Control Limits			Qual	
Nitrobenzene-d5	89	56-123				

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-09-004-1,185	N/A	Aqueous	GC/MS AAA	01/19/09	01/20/09 16:10	090119L09D

Comment(s): -Results were evaluated to the MDL, concentrations \geq to the MDL but $<$ RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units
1,4-Dioxane	ND	2.0	0.40	1		ug/L
Surrogates:	REC (%)	Control Limits			Qual	
Nitrobenzene-d5	90	56-123				

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Analytical Report



GeoSyntec Consultants
10875 Rancho Bernardo Road, Suite 200
San Diego, CA 92127-2116

Date Received: 01/16/09
Work Order No: 09-01-1395
Preparation: N/A
Method: HPLC/UV

Project: Teledyne Ryan

Page 1 of 2

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
BLD120-MW1	09-01-1395-5-F	01/16/09 13:10	Aqueous	HPLC 6	N/A	01/21/09 02:22	090120L01

Comment(s): -Results were evaluated to the MDL, concentrations \geq to the MDL but $<$ RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units
Acetic Acid	1100	40	31	40		mg/L
Butyric Acid	140	40	33	40		mg/L
Lactic Acid	ND	40	29	40		mg/L
Propionic Acid	270	40	31	40		mg/L
Pyruvic Acid	ND	20	3.7	40		mg/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>			<u>Qual</u>	
Dibromopropionic Acid	88	80-120				

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
BLD120-MW6	09-01-1395-6-F	01/16/09 12:18	Aqueous	HPLC 6	N/A	01/21/09 01:37	090120L01

Comment(s): -Results were evaluated to the MDL, concentrations \geq to the MDL but $<$ RL, if found, are qualified with a "J" flag.

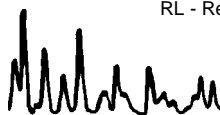
Parameter	Result	RL	MDL	DF	Qual	Units
Acetic Acid	170	40		40		mg/L
Butyric Acid	ND	1.0	0.83	1		mg/L
Lactic Acid	ND	1.0	0.72	1		mg/L
Propionic Acid	20	1.0	0.77	1		mg/L
Pyruvic Acid	ND	0.50	0.091	1		mg/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>			<u>Qual</u>	
Dibromopropionic Acid	93	80-120				

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
BLD131-MW6	09-01-1395-7-F	01/16/09 14:13	Aqueous	HPLC 6	N/A	01/21/09 02:00	090120L01

Comment(s): -Results were evaluated to the MDL, concentrations \geq to the MDL but $<$ RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units
Acetic Acid	ND	1.0	0.78	1		mg/L
Butyric Acid	ND	1.0	0.83	1		mg/L
Lactic Acid	ND	1.0	0.72	1		mg/L
Propionic Acid	ND	1.0	0.77	1		mg/L
Pyruvic Acid	ND	0.50	0.091	1		mg/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>			<u>Qual</u>	
Dibromopropionic Acid	92	80-120				

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Analytical Report



GeoSyntec Consultants
10875 Rancho Bernardo Road, Suite 200
San Diego, CA 92127-2116

Date Received: 01/16/09
Work Order No: 09-01-1395
Preparation: N/A
Method: HPLC/UV

Project: Teledyne Ryan

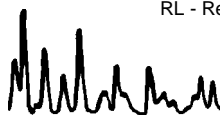
Page 2 of 2

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-12-016-170	N/A	Aqueous	HPLC 6	N/A	01/20/09 21:02	090120L01

Comment(s): -Results were evaluated to the MDL, concentrations \geq to the MDL but $<$ RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units
Acetic Acid	ND	1.0	0.78	1		mg/L
Butyric Acid	ND	1.0	0.83	1		mg/L
Lactic Acid	ND	1.0	0.72	1		mg/L
Propionic Acid	ND	1.0	0.77	1		mg/L
Pyruvic Acid	ND	0.50	0.091	1		mg/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>			<u>Qual</u>	
Dibromopropionic Acid	93	80-120				

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Analytical Report



GeoSyntec Consultants
10875 Rancho Bernardo Road, Suite 200
San Diego, CA 92127-2116

Date Received: 01/16/09
Work Order No: 09-01-1395
Preparation: EPA 3510C
Method: EPA 8270C SIM
Units: ug/L

Project: Teledyne Ryan

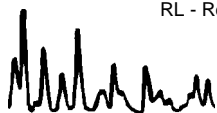
Page 1 of 5

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MWCL-1	09-01-1395-1-F	01/16/09 09:15	Aqueous	GC/MS GG	01/19/09	01/23/09 14:04	090119L07

Comment(s): -Results were evaluated to the MDL, concentrations \geq to the MDL but $<$ RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
1-Methylnaphthalene	ND	1.0	0.092	1		Benzo (g,h,i) Perylene	ND	1.0	0.12	1	
2,4,5-Trichlorophenol	ND	1.0	0.066	1		Benzo (k) Fluoranthene	ND	1.0	0.12	1	
2,4,6-Trichlorophenol	ND	1.0	0.079	1		Bis(2-Ethylhexyl) Phthalate	0.43	1.0	0.14	1	J
2,4-Dichlorophenol	ND	1.0	0.097	1		Butyl Benzyl Phthalate	ND	1.0	0.10	1	
2,4-Dimethylphenol	ND	1.0	0.092	1		Chrysene	ND	1.0	0.090	1	
2,4-Dinitrophenol	ND	10	1.9	1		Di-n-Butyl Phthalate	ND	1.0	0.096	1	
2-Chlorophenol	ND	1.0	0.10	1		Di-n-Octyl Phthalate	ND	1.0	0.11	1	
2-Methylnaphthalene	ND	1.0	0.094	1		Dibenz (a,h) Anthracene	ND	1.0	0.096	1	
2-Methylphenol	ND	1.0	0.11	1		Diethyl Phthalate	ND	1.0	0.088	1	
2-Nitrophenol	ND	1.0	0.14	1		Dimethyl Phthalate	ND	1.0	0.088	1	
3/4-Methylphenol	ND	1.0	0.10	1		Fluoranthene	ND	1.0	0.091	1	
4,6-Dinitro-2-Methylphenol	ND	10	2.3	1		Fluorene	ND	1.0	0.090	1	
4-Chloro-3-Methylphenol	ND	1.0	0.11	1		Indeno (1,2,3-c,d) Pyrene	ND	1.0	0.12	1	
4-Nitrophenol	ND	20	3.4	1		N-Nitrosodimethylamine	ND	1.0	0.084	1	
Acenaphthene	ND	1.0	0.086	1		Naphthalene	ND	1.0	0.097	1	
Acenaphthylene	ND	1.0	0.086	1		Pentachlorophenol	ND	10	2.6	1	
Anthracene	ND	1.0	0.086	1		Phenanthrene	ND	1.0	0.089	1	
Benzo (a) Anthracene	ND	1.0	0.093	1		Phenol	ND	1.0	0.12	1	
Benzo (a) Pyrene	ND	1.0	0.12	1		Pyrene	ND	1.0	0.11	1	
Benzo (b) Fluoranthene	ND	1.0	0.13	1							
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>			<u>Qual</u>	<u>Surrogates:</u>	<u>REC (%)</u>	<u>Limits</u>			<u>Qual</u>
2,4,6-Tribromophenol	71	24-152				2-Fluorobiphenyl	36	33-144			
2-Fluorophenol	61	31-142				Nitrobenzene-d5	79	28-139			
p-Terphenyl-d14	51	23-160				Phenol-d6	42	30-136			

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Analytical Report



GeoSyntec Consultants
10875 Rancho Bernardo Road, Suite 200
San Diego, CA 92127-2116

Date Received: 01/16/09
Work Order No: 09-01-1395
Preparation: EPA 3510C
Method: EPA 8270C SIM
Units: ug/L

Project: Teledyne Ryan

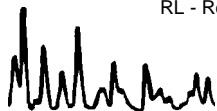
Page 2 of 5

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MWCL-2	09-01-1395-2-F	01/16/09 08:03	Aqueous	GC/MS GG	01/19/09	01/23/09 14:50	090119L07

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
1-Methylnaphthalene	ND	1.0	0.092	1		Benzo (g,h,i) Perylene	ND	1.0	0.12	1	
2,4,5-Trichlorophenol	ND	1.0	0.066	1		Benzo (k) Fluoranthene	ND	1.0	0.12	1	
2,4,6-Trichlorophenol	ND	1.0	0.079	1		Bis(2-Ethylhexyl) Phthalate	ND	1.0	0.14	1	
2,4-Dichlorophenol	ND	1.0	0.097	1		Butyl Benzyl Phthalate	ND	1.0	0.10	1	
2,4-Dimethylphenol	ND	1.0	0.092	1		Chrysene	ND	1.0	0.090	1	
2,4-Dinitrophenol	ND	10	1.9	1		Di-n-Butyl Phthalate	ND	1.0	0.096	1	
2-Chlorophenol	ND	1.0	0.10	1		Di-n-Octyl Phthalate	ND	1.0	0.11	1	
2-Methylnaphthalene	ND	1.0	0.094	1		Dibenz (a,h) Anthracene	ND	1.0	0.096	1	
2-Methylphenol	ND	1.0	0.11	1		Diethyl Phthalate	ND	1.0	0.088	1	
2-Nitrophenol	ND	1.0	0.14	1		Dimethyl Phthalate	ND	1.0	0.088	1	
3/4-Methylphenol	ND	1.0	0.10	1		Fluoranthene	ND	1.0	0.091	1	
4,6-Dinitro-2-Methylphenol	ND	10	2.3	1		Fluorene	ND	1.0	0.090	1	
4-Chloro-3-Methylphenol	ND	1.0	0.11	1		Indeno (1,2,3-c,d) Pyrene	ND	1.0	0.12	1	
4-Nitrophenol	ND	20	3.4	1		N-Nitrosodimethylamine	ND	1.0	0.084	1	
Acenaphthene	ND	1.0	0.086	1		Naphthalene	ND	1.0	0.097	1	
Acenaphthylene	ND	1.0	0.086	1		Pentachlorophenol	ND	10	2.6	1	
Anthracene	ND	1.0	0.086	1		Phenanthrene	ND	1.0	0.089	1	
Benzo (a) Anthracene	ND	1.0	0.093	1		Phenol	ND	1.0	0.12	1	
Benzo (a) Pyrene	ND	1.0	0.12	1		Pyrene	ND	1.0	0.11	1	
Benzo (b) Fluoranthene	ND	1.0	0.13	1							
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>			<u>Qual</u>	<u>Surrogates:</u>	<u>REC (%)</u>	<u>I Limits</u>			<u>Qual</u>
2,4,6-Tribromophenol	67	24-152				2-Fluorobiphenyl	37	33-144			
2-Fluorophenol	71	31-142				Nitrobenzene-d5	90	28-139			
p-Terphenyl-d14	51	23-160				Phenol-d6	48	30-136			

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Analytical Report



GeoSyntec Consultants
10875 Rancho Bernardo Road, Suite 200
San Diego, CA 92127-2116

Date Received: 01/16/09
Work Order No: 09-01-1395
Preparation: EPA 3510C
Method: EPA 8270C SIM
Units: ug/L

Project: Teledyne Ryan

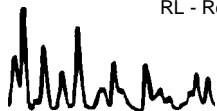
Page 3 of 5

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MWCL-3	09-01-1395-3-F	01/16/09 11:17	Aqueous	GC/MS GG	01/19/09	01/23/09 15:35	090119L07

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
1-Methylnaphthalene	ND	1.0	0.092	1		Benzo (g,h,i) Perylene	ND	1.0	0.12	1	
2,4,5-Trichlorophenol	ND	1.0	0.066	1		Benzo (k) Fluoranthene	ND	1.0	0.12	1	
2,4,6-Trichlorophenol	ND	1.0	0.079	1		Bis(2-Ethylhexyl) Phthalate	0.57	1.0	0.14	1	J
2,4-Dichlorophenol	ND	1.0	0.097	1		Butyl Benzyl Phthalate	ND	1.0	0.10	1	
2,4-Dimethylphenol	ND	1.0	0.092	1		Chrysene	ND	1.0	0.090	1	
2,4-Dinitrophenol	ND	10	1.9	1		Di-n-Butyl Phthalate	ND	1.0	0.096	1	
2-Chlorophenol	ND	1.0	0.10	1		Di-n-Octyl Phthalate	ND	1.0	0.11	1	
2-Methylnaphthalene	ND	1.0	0.094	1		Dibenz (a,h) Anthracene	ND	1.0	0.096	1	
2-Methylphenol	ND	1.0	0.11	1		Diethyl Phthalate	ND	1.0	0.088	1	
2-Nitrophenol	ND	1.0	0.14	1		Dimethyl Phthalate	ND	1.0	0.088	1	
3/4-Methylphenol	ND	1.0	0.10	1		Fluoranthene	ND	1.0	0.091	1	
4,6-Dinitro-2-Methylphenol	ND	10	2.3	1		Fluorene	ND	1.0	0.090	1	
4-Chloro-3-Methylphenol	ND	1.0	0.11	1		Indeno (1,2,3-c,d) Pyrene	ND	1.0	0.12	1	
4-Nitrophenol	ND	20	3.4	1		N-Nitrosodimethylamine	ND	1.0	0.084	1	
Acenaphthene	ND	1.0	0.086	1		Naphthalene	ND	1.0	0.097	1	
Acenaphthylene	ND	1.0	0.086	1		Pentachlorophenol	ND	10	2.6	1	
Anthracene	ND	1.0	0.086	1		Phenanthrene	ND	1.0	0.089	1	
Benzo (a) Anthracene	ND	1.0	0.093	1		Phenol	ND	1.0	0.12	1	
Benzo (a) Pyrene	ND	1.0	0.12	1		Pyrene	ND	1.0	0.11	1	
Benzo (b) Fluoranthene	ND	1.0	0.13	1							
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>			<u>Qual</u>	<u>Surrogates:</u>	<u>REC (%)</u>	<u>I Limits</u>			<u>Qual</u>
2,4,6-Tribromophenol	67	24-152				2-Fluorobiphenyl	37	33-144			
2-Fluorophenol	61	31-142				Nitrobenzene-d5	84	28-139			
p-Terphenyl-d14	54	23-160				Phenol-d6	45	30-136			

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Analytical Report



GeoSyntec Consultants
10875 Rancho Bernardo Road, Suite 200
San Diego, CA 92127-2116

Date Received: 01/16/09
Work Order No: 09-01-1395
Preparation: EPA 3510C
Method: EPA 8270C SIM
Units: ug/L

Project: Teledyne Ryan

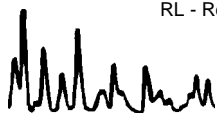
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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MWCL-4	09-01-1395-4-F	01/16/09 10:19	Aqueous	GC/MS GG	01/19/09	01/23/09 16:21	090119L07

Comment(s): -Results were evaluated to the MDL, concentrations \geq to the MDL but $<$ RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
1-Methylnaphthalene	ND	1.0	0.092	1		Benzo (g,h,i) Perylene	ND	1.0	0.12	1	
2,4,5-Trichlorophenol	ND	1.0	0.066	1		Benzo (k) Fluoranthene	ND	1.0	0.12	1	
2,4,6-Trichlorophenol	ND	1.0	0.079	1		Bis(2-Ethylhexyl) Phthalate	0.52	1.0	0.14	1	J
2,4-Dichlorophenol	ND	1.0	0.097	1		Butyl Benzyl Phthalate	ND	1.0	0.10	1	
2,4-Dimethylphenol	ND	1.0	0.092	1		Chrysene	ND	1.0	0.090	1	
2,4-Dinitrophenol	ND	10	1.9	1		Di-n-Butyl Phthalate	0.13	1.0	0.096	1	J
2-Chlorophenol	ND	1.0	0.10	1		Di-n-Octyl Phthalate	ND	1.0	0.11	1	
2-Methylnaphthalene	ND	1.0	0.094	1		Dibenz (a,h) Anthracene	ND	1.0	0.096	1	
2-Methylphenol	ND	1.0	0.11	1		Diethyl Phthalate	ND	1.0	0.088	1	
2-Nitrophenol	ND	1.0	0.14	1		Dimethyl Phthalate	ND	1.0	0.088	1	
3/4-Methylphenol	ND	1.0	0.10	1		Fluoranthene	ND	1.0	0.091	1	
4,6-Dinitro-2-Methylphenol	ND	10	2.3	1		Fluorene	ND	1.0	0.090	1	
4-Chloro-3-Methylphenol	ND	1.0	0.11	1		Indeno (1,2,3-c,d) Pyrene	ND	1.0	0.12	1	
4-Nitrophenol	ND	20	3.4	1		N-Nitrosodimethylamine	ND	1.0	0.084	1	
Acenaphthene	ND	1.0	0.086	1		Naphthalene	ND	1.0	0.097	1	
Acenaphthylene	ND	1.0	0.086	1		Pentachlorophenol	ND	10	2.6	1	
Anthracene	ND	1.0	0.086	1		Phenanthrene	ND	1.0	0.089	1	
Benzo (a) Anthracene	ND	1.0	0.093	1		Phenol	ND	1.0	0.12	1	
Benzo (a) Pyrene	ND	1.0	0.12	1		Pyrene	ND	1.0	0.11	1	
Benzo (b) Fluoranthene	ND	1.0	0.13	1							
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>			<u>Qual</u>	<u>Surrogates:</u>	<u>REC (%)</u>	<u>Limits</u>			<u>Qual</u>
2,4,6-Tribromophenol	76	24-152				2-Fluorobiphenyl	56	33-144			
2-Fluorophenol	69	31-142				Nitrobenzene-d5	95	28-139			
p-Terphenyl-d14	60	23-160				Phenol-d6	45	30-136			

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Analytical Report



GeoSyntec Consultants
10875 Rancho Bernardo Road, Suite 200
San Diego, CA 92127-2116

Date Received: 01/16/09
Work Order No: 09-01-1395
Preparation: EPA 3510C
Method: EPA 8270C SIM
Units: ug/L

Project: Teledyne Ryan

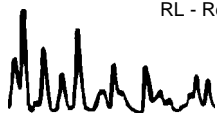
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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-12-430-61	N/A	Aqueous	GC/MS GG	01/19/09	01/23/09 11:48	090119L07

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
1-Methylnaphthalene	ND	1.0	0.092	1		Benzo (g,h,i) Perylene	ND	1.0	0.12	1	
2,4,5-Trichlorophenol	ND	1.0	0.066	1		Benzo (k) Fluoranthene	ND	1.0	0.12	1	
2,4,6-Trichlorophenol	ND	1.0	0.079	1		Bis(2-Ethylhexyl) Phthalate	ND	1.0	0.14	1	
2,4-Dichlorophenol	ND	1.0	0.097	1		Butyl Benzyl Phthalate	ND	1.0	0.10	1	
2,4-Dimethylphenol	ND	1.0	0.092	1		Chrysene	ND	1.0	0.090	1	
2,4-Dinitrophenol	ND	10	1.9	1		Di-n-Butyl Phthalate	ND	1.0	0.096	1	
2-Chlorophenol	ND	1.0	0.10	1		Di-n-Octyl Phthalate	ND	1.0	0.11	1	
2-Methylnaphthalene	ND	1.0	0.094	1		Dibenz (a,h) Anthracene	ND	1.0	0.096	1	
2-Methylphenol	ND	1.0	0.11	1		Diethyl Phthalate	ND	1.0	0.088	1	
2-Nitrophenol	ND	1.0	0.14	1		Dimethyl Phthalate	ND	1.0	0.088	1	
3/4-Methylphenol	ND	1.0	0.10	1		Fluoranthene	ND	1.0	0.091	1	
4,6-Dinitro-2-Methylphenol	ND	10	2.3	1		Fluorene	ND	1.0	0.090	1	
4-Chloro-3-Methylphenol	ND	1.0	0.11	1		Indeno (1,2,3-c,d) Pyrene	ND	1.0	0.12	1	
4-Nitrophenol	ND	20	3.4	1		N-Nitrosodimethylamine	ND	1.0	0.084	1	
Acenaphthene	ND	1.0	0.086	1		Naphthalene	ND	1.0	0.097	1	
Acenaphthylene	ND	1.0	0.086	1		Pentachlorophenol	ND	10	2.6	1	
Anthracene	ND	1.0	0.086	1		Phenanthrene	ND	1.0	0.089	1	
Benzo (a) Anthracene	ND	1.0	0.093	1		Phenol	ND	1.0	0.12	1	
Benzo (a) Pyrene	ND	1.0	0.12	1		Pyrene	ND	1.0	0.11	1	
Benzo (b) Fluoranthene	ND	1.0	0.13	1							
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>			<u>Qual</u>	<u>Surrogates:</u>	<u>REC (%)</u>	<u>Limits</u>			<u>Qual</u>
2,4,6-Tribromophenol	69	24-152				2-Fluorobiphenyl	53	33-144			
2-Fluorophenol	74	31-142				Nitrobenzene-d5	101	28-139			
p-Terphenyl-d14	87	23-160				Phenol-d6	51	30-136			

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Analytical Report



GeoSyntec Consultants
10875 Rancho Bernardo Road, Suite 200
San Diego, CA 92127-2116

Date Received: 01/16/09
Work Order No: 09-01-1395
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/L

Project: Teledyne Ryan

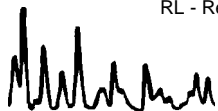
Page 1 of 10

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MWCL-1	09-01-1395-1-C	01/16/09 09:15	Aqueous	GC/MS XX	01/23/09	01/23/09 12:45	090123L01

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	50	9.1	1		1,3-Dichloropropane	ND	1.0	0.38	1	
Benzene	ND	0.50	0.28	1		2,2-Dichloropropane	ND	1.0	0.46	1	
Bromobenzene	ND	1.0	0.33	1		1,1-Dichloropropene	ND	1.0	0.26	1	
Bromochloromethane	ND	1.0	0.69	1		c-1,3-Dichloropropene	ND	0.50	0.28	1	
Bromodichloromethane	ND	1.0	0.33	1		t-1,3-Dichloropropene	ND	0.50	0.36	1	
Bromoform	ND	1.0	0.55	1		Ethylbenzene	ND	1.0	0.22	1	
Bromomethane	ND	10	4.3	1		2-Hexanone	ND	10	6.9	1	
2-Butanone	ND	10	6.9	1		Isopropylbenzene	ND	1.0	0.23	1	
n-Butylbenzene	ND	1.0	0.28	1		p-Isopropyltoluene	ND	1.0	0.26	1	
sec-Butylbenzene	ND	1.0	0.20	1		Methylene Chloride	ND	10	2.6	1	
tert-Butylbenzene	ND	1.0	0.28	1		4-Methyl-2-Pentanone	ND	10	4.4	1	
Carbon Disulfide	ND	10	1.9	1		Naphthalene	ND	10	2.5	1	
Carbon Tetrachloride	ND	0.50	0.43	1		n-Propylbenzene	ND	1.0	0.79	1	
Chlorobenzene	ND	1.0	0.22	1		Styrene	ND	1.0	0.30	1	
Chloroethane	ND	5.0	1.3	1		1,1,1,2-Tetrachloroethane	ND	1.0	0.35	1	
Chloroform	0.46	1.0	0.33	1	J	1,1,2,2-Tetrachloroethane	ND	1.0	0.44	1	
Chloromethane	ND	10	0.49	1		Tetrachloroethene	ND	1.0	0.51	1	
2-Chlorotoluene	ND	1.0	0.55	1		Toluene	ND	1.0	0.33	1	
4-Chlorotoluene	ND	1.0	0.21	1		1,2,3-Trichlorobenzene	ND	1.0	0.31	1	
Dibromochloromethane	ND	1.0	0.48	1		1,2,4-Trichlorobenzene	ND	1.0	0.49	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	3.1	1		1,1,1-Trichloroethane	ND	1.0	0.45	1	
1,2-Dibromoethane	ND	1.0	0.47	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.64	1	
Dibromomethane	ND	1.0	0.59	1		1,1,2-Trichloroethane	ND	1.0	0.54	1	
1,2-Dichlorobenzene	ND	1.0	0.27	1		Trichloroethene	ND	1.0	0.30	1	
1,3-Dichlorobenzene	ND	1.0	0.28	1		Trichlorofluoromethane	ND	10	0.31	1	
1,4-Dichlorobenzene	ND	1.0	0.21	1		1,2,3-Trichloropropene	ND	5.0	1.3	1	
Dichlorodifluoromethane	ND	1.0	0.49	1		1,2,4-Trimethylbenzene	ND	1.0	0.24	1	
1,1-Dichloroethane	0.42	1.0	0.37	1	J	1,3,5-Trimethylbenzene	ND	1.0	0.23	1	
1,2-Dichloroethane	ND	0.50	0.31	1		Vinyl Acetate	ND	10	7.1	1	
1,1-Dichloroethene	ND	1.0	0.40	1		Vinyl Chloride	1.1	0.50	0.33	1	
c-1,2-Dichloroethene	ND	1.0	0.49	1		p/m-Xylene	ND	1.0	0.45	1	
t-1,2-Dichloroethene	ND	1.0	0.40	1		o-Xylene	ND	1.0	0.24	1	
1,2-Dichloropropane	ND	1.0	0.38	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.30	1	
Surrogates:	REC (%)	Control Limits			Qual	Surrogates:	REC (%)	I Limits			Qual
Dibromofluoromethane	113	82-130				1,2-Dichloroethane-d4	110	75-141			
Toluene-d8	95	83-113				1,4-Bromofluorobenzene	80	70-118			

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Analytical Report



GeoSyntec Consultants
10875 Rancho Bernardo Road, Suite 200
San Diego, CA 92127-2116

Date Received: 01/16/09
Work Order No: 09-01-1395
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/L

Project: Teledyne Ryan

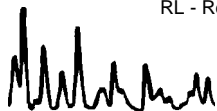
Page 2 of 10

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MWCL-2	09-01-1395-2-C	01/16/09 08:03	Aqueous	GC/MS VV	01/23/09	01/23/09 14:39	090123L01

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	50	9.1	1		1,3-Dichloropropane	ND	1.0	0.38	1	
Benzene	ND	0.50	0.28	1		2,2-Dichloropropane	ND	1.0	0.46	1	
Bromobenzene	ND	1.0	0.33	1		1,1-Dichloropropene	ND	1.0	0.26	1	
Bromochloromethane	ND	1.0	0.69	1		c-1,3-Dichloropropene	ND	0.50	0.28	1	
Bromodichloromethane	ND	1.0	0.33	1		t-1,3-Dichloropropene	ND	0.50	0.36	1	
Bromoform	ND	1.0	0.55	1		Ethylbenzene	ND	1.0	0.22	1	
Bromomethane	ND	10	4.3	1		2-Hexanone	ND	10	6.9	1	
2-Butanone	ND	10	6.9	1		Isopropylbenzene	ND	1.0	0.23	1	
n-Butylbenzene	ND	1.0	0.28	1		p-Isopropyltoluene	ND	1.0	0.26	1	
sec-Butylbenzene	ND	1.0	0.20	1		Methylene Chloride	ND	10	2.6	1	
tert-Butylbenzene	ND	1.0	0.28	1		4-Methyl-2-Pentanone	ND	10	4.4	1	
Carbon Disulfide	ND	10	1.9	1		Naphthalene	ND	10	2.5	1	
Carbon Tetrachloride	ND	0.50	0.43	1		n-Propylbenzene	ND	1.0	0.79	1	
Chlorobenzene	ND	1.0	0.22	1		Styrene	ND	1.0	0.30	1	
Chloroethane	ND	5.0	1.3	1		1,1,1,2-Tetrachloroethane	ND	1.0	0.35	1	
Chloroform	ND	1.0	0.33	1		1,1,2,2-Tetrachloroethane	ND	1.0	0.44	1	
Chloromethane	ND	10	0.49	1		Tetrachloroethene	ND	1.0	0.51	1	
2-Chlorotoluene	ND	1.0	0.55	1		Toluene	ND	1.0	0.33	1	
4-Chlorotoluene	ND	1.0	0.21	1		1,2,3-Trichlorobenzene	ND	1.0	0.31	1	
Dibromochloromethane	ND	1.0	0.48	1		1,2,4-Trichlorobenzene	ND	1.0	0.49	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	3.1	1		1,1,1-Trichloroethane	ND	1.0	0.45	1	
1,2-Dibromoethane	ND	1.0	0.47	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.64	1	
Dibromomethane	ND	1.0	0.59	1		1,1,2-Trichloroethane	ND	1.0	0.54	1	
1,2-Dichlorobenzene	ND	1.0	0.27	1		Trichloroethene	ND	1.0	0.30	1	
1,3-Dichlorobenzene	ND	1.0	0.28	1		Trichlorofluoromethane	ND	10	0.31	1	
1,4-Dichlorobenzene	ND	1.0	0.21	1		1,2,3-Trichloropropane	ND	5.0	1.3	1	
Dichlorodifluoromethane	ND	1.0	0.49	1		1,2,4-Trimethylbenzene	ND	1.0	0.24	1	
1,1-Dichloroethane	ND	1.0	0.37	1		1,3,5-Trimethylbenzene	ND	1.0	0.23	1	
1,2-Dichloroethane	ND	0.50	0.31	1		Vinyl Acetate	ND	10	7.1	1	
1,1-Dichloroethene	ND	1.0	0.40	1		Vinyl Chloride	ND	0.50	0.33	1	
c-1,2-Dichloroethene	ND	1.0	0.49	1		p/m-Xylene	ND	1.0	0.45	1	
t-1,2-Dichloroethene	ND	1.0	0.40	1		o-Xylene	ND	1.0	0.24	1	
1,2-Dichloropropane	ND	1.0	0.38	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.30	1	
Surrogates:	REC (%)	Control Limits			Qual	Surrogates:	REC (%)	I Limits			Qual
Dibromofluoromethane	111	82-130				1,2-Dichloroethane-d4	93	75-141			
Toluene-d8	96	83-113				1,4-Bromofluorobenzene	109	70-118			

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Analytical Report



GeoSyntec Consultants
10875 Rancho Bernardo Road, Suite 200
San Diego, CA 92127-2116

Date Received: 01/16/09
Work Order No: 09-01-1395
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/L

Project: Teledyne Ryan

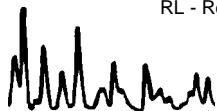
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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MWCL-3	09-01-1395-3-C	01/16/09 11:17	Aqueous	GC/MS VV	01/23/09	01/23/09 15:05	090123L01

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	50	9.1	1		1,3-Dichloropropane	ND	1.0	0.38	1	
Benzene	ND	0.50	0.28	1		2,2-Dichloropropane	ND	1.0	0.46	1	
Bromobenzene	ND	1.0	0.33	1		1,1-Dichloropropene	ND	1.0	0.26	1	
Bromochloromethane	ND	1.0	0.69	1		c-1,3-Dichloropropene	ND	0.50	0.28	1	
Bromodichloromethane	ND	1.0	0.33	1		t-1,3-Dichloropropene	ND	0.50	0.36	1	
Bromoform	ND	1.0	0.55	1		Ethylbenzene	ND	1.0	0.22	1	
Bromomethane	ND	10	4.3	1		2-Hexanone	ND	10	6.9	1	
2-Butanone	ND	10	6.9	1		Isopropylbenzene	ND	1.0	0.23	1	
n-Butylbenzene	ND	1.0	0.28	1		p-Isopropyltoluene	ND	1.0	0.26	1	
sec-Butylbenzene	ND	1.0	0.20	1		Methylene Chloride	ND	10	2.6	1	
tert-Butylbenzene	ND	1.0	0.28	1		4-Methyl-2-Pentanone	ND	10	4.4	1	
Carbon Disulfide	ND	10	1.9	1		Naphthalene	ND	10	2.5	1	
Carbon Tetrachloride	ND	0.50	0.43	1		n-Propylbenzene	ND	1.0	0.79	1	
Chlorobenzene	ND	1.0	0.22	1		Styrene	ND	1.0	0.30	1	
Chloroethane	ND	5.0	1.3	1		1,1,1,2-Tetrachloroethane	ND	1.0	0.35	1	
Chloroform	ND	1.0	0.33	1		1,1,2,2-Tetrachloroethane	ND	1.0	0.44	1	
Chloromethane	ND	10	0.49	1		Tetrachloroethene	ND	1.0	0.51	1	
2-Chlorotoluene	ND	1.0	0.55	1		Toluene	ND	1.0	0.33	1	
4-Chlorotoluene	ND	1.0	0.21	1		1,2,3-Trichlorobenzene	ND	1.0	0.31	1	
Dibromochloromethane	ND	1.0	0.48	1		1,2,4-Trichlorobenzene	ND	1.0	0.49	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	3.1	1		1,1,1-Trichloroethane	ND	1.0	0.45	1	
1,2-Dibromoethane	ND	1.0	0.47	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.64	1	
Dibromomethane	ND	1.0	0.59	1		1,1,2-Trichloroethane	ND	1.0	0.54	1	
1,2-Dichlorobenzene	ND	1.0	0.27	1		Trichloroethene	ND	1.0	0.30	1	
1,3-Dichlorobenzene	ND	1.0	0.28	1		Trichlorofluoromethane	ND	10	0.31	1	
1,4-Dichlorobenzene	ND	1.0	0.21	1		1,2,3-Trichloropropane	ND	5.0	1.3	1	
Dichlorodifluoromethane	ND	1.0	0.49	1		1,2,4-Trimethylbenzene	ND	1.0	0.24	1	
1,1-Dichloroethane	ND	1.0	0.37	1		1,3,5-Trimethylbenzene	ND	1.0	0.23	1	
1,2-Dichloroethane	ND	0.50	0.31	1		Vinyl Acetate	ND	10	7.1	1	
1,1-Dichloroethene	ND	1.0	0.40	1		Vinyl Chloride	ND	0.50	0.33	1	
c-1,2-Dichloroethene	ND	1.0	0.49	1		p/m-Xylene	ND	1.0	0.45	1	
t-1,2-Dichloroethene	ND	1.0	0.40	1		o-Xylene	ND	1.0	0.24	1	
1,2-Dichloropropane	ND	1.0	0.38	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.30	1	
Surrogates:	REC (%)	Control Limits			Qual	Surrogates:	REC (%)	I Limits			Qual
Dibromofluoromethane	115	82-130				1,2-Dichloroethane-d4	102	75-141			
Toluene-d8	95	83-113				1,4-Bromofluorobenzene	108	70-118			

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Analytical Report



GeoSyntec Consultants
10875 Rancho Bernardo Road, Suite 200
San Diego, CA 92127-2116

Date Received: 01/16/09
Work Order No: 09-01-1395
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/L

Project: Teledyne Ryan

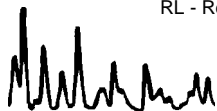
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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MWCL-4	09-01-1395-4-C	01/16/09 10:19	Aqueous	GC/MS VV	01/23/09	01/23/09 15:31	090123L01

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	50	9.1	1		1,3-Dichloropropane	ND	1.0	0.38	1	
Benzene	ND	0.50	0.28	1		2,2-Dichloropropane	ND	1.0	0.46	1	
Bromobenzene	ND	1.0	0.33	1		1,1-Dichloropropene	ND	1.0	0.26	1	
Bromochloromethane	ND	1.0	0.69	1		c-1,3-Dichloropropene	ND	0.50	0.28	1	
Bromodichloromethane	ND	1.0	0.33	1		t-1,3-Dichloropropene	ND	0.50	0.36	1	
Bromoform	ND	1.0	0.55	1		Ethylbenzene	ND	1.0	0.22	1	
Bromomethane	ND	10	4.3	1		2-Hexanone	ND	10	6.9	1	
2-Butanone	ND	10	6.9	1		Isopropylbenzene	ND	1.0	0.23	1	
n-Butylbenzene	ND	1.0	0.28	1		p-Isopropyltoluene	ND	1.0	0.26	1	
sec-Butylbenzene	ND	1.0	0.20	1		Methylene Chloride	ND	10	2.6	1	
tert-Butylbenzene	ND	1.0	0.28	1		4-Methyl-2-Pentanone	ND	10	4.4	1	
Carbon Disulfide	ND	10	1.9	1		Naphthalene	ND	10	2.5	1	
Carbon Tetrachloride	ND	0.50	0.43	1		n-Propylbenzene	ND	1.0	0.79	1	
Chlorobenzene	ND	1.0	0.22	1		Styrene	ND	1.0	0.30	1	
Chloroethane	ND	5.0	1.3	1		1,1,1,2-Tetrachloroethane	ND	1.0	0.35	1	
Chloroform	ND	1.0	0.33	1		1,1,2,2-Tetrachloroethane	ND	1.0	0.44	1	
Chloromethane	ND	10	0.49	1		Tetrachloroethene	ND	1.0	0.51	1	
2-Chlorotoluene	ND	1.0	0.55	1		Toluene	ND	1.0	0.33	1	
4-Chlorotoluene	ND	1.0	0.21	1		1,2,3-Trichlorobenzene	ND	1.0	0.31	1	
Dibromochloromethane	ND	1.0	0.48	1		1,2,4-Trichlorobenzene	ND	1.0	0.49	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	3.1	1		1,1,1-Trichloroethane	ND	1.0	0.45	1	
1,2-Dibromoethane	ND	1.0	0.47	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.64	1	
Dibromomethane	ND	1.0	0.59	1		1,1,2-Trichloroethane	ND	1.0	0.54	1	
1,2-Dichlorobenzene	ND	1.0	0.27	1		Trichloroethene	ND	1.0	0.30	1	
1,3-Dichlorobenzene	ND	1.0	0.28	1		Trichlorofluoromethane	ND	10	0.31	1	
1,4-Dichlorobenzene	ND	1.0	0.21	1		1,2,3-Trichloropropane	ND	5.0	1.3	1	
Dichlorodifluoromethane	ND	1.0	0.49	1		1,2,4-Trimethylbenzene	ND	1.0	0.24	1	
1,1-Dichloroethane	ND	1.0	0.37	1		1,3,5-Trimethylbenzene	ND	1.0	0.23	1	
1,2-Dichloroethane	ND	0.50	0.31	1		Vinyl Acetate	ND	10	7.1	1	
1,1-Dichloroethene	ND	1.0	0.40	1		Vinyl Chloride	ND	0.50	0.33	1	
c-1,2-Dichloroethene	ND	1.0	0.49	1		p/m-Xylene	ND	1.0	0.45	1	
t-1,2-Dichloroethene	ND	1.0	0.40	1		o-Xylene	ND	1.0	0.24	1	
1,2-Dichloropropane	ND	1.0	0.38	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.30	1	
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>			<u>Qual</u>	<u>Surrogates:</u>	<u>REC (%)</u>	<u>I Limits</u>			<u>Qual</u>
Dibromofluoromethane	114	82-130				1,2-Dichloroethane-d4	96	75-141			
Toluene-d8	95	83-113				1,4-Bromofluorobenzene	108	70-118			

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Analytical Report



GeoSyntec Consultants
10875 Rancho Bernardo Road, Suite 200
San Diego, CA 92127-2116

Date Received: 01/16/09
Work Order No: 09-01-1395
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/L

Project: Teledyne Ryan

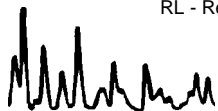
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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
BLD120-MW1	09-01-1395-5-C	01/16/09 13:10	Aqueous	GC/MS VV	01/23/09	01/23/09 15:58	090123L01

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	5000	910	100		1,3-Dichloropropane	ND	100	38	100	
Benzene	ND	50	28	100		2,2-Dichloropropane	ND	100	46	100	
Bromobenzene	ND	100	33	100		1,1-Dichloropropene	ND	100	26	100	
Bromochloromethane	ND	100	69	100		c-1,3-Dichloropropene	ND	50	28	100	
Bromodichloromethane	ND	100	33	100		t-1,3-Dichloropropene	ND	50	36	100	
Bromoform	ND	100	55	100		Ethylbenzene	ND	100	22	100	
Bromomethane	ND	1000	430	100		2-Hexanone	ND	1000	690	100	
2-Butanone	ND	1000	690	100		Isopropylbenzene	ND	100	23	100	
n-Butylbenzene	ND	100	28	100		p-Isopropyltoluene	ND	100	26	100	
sec-Butylbenzene	ND	100	20	100		Methylene Chloride	ND	1000	260	100	
tert-Butylbenzene	ND	100	28	100		4-Methyl-2-Pentanone	ND	1000	440	100	
Carbon Disulfide	ND	1000	190	100		Naphthalene	ND	1000	250	100	
Carbon Tetrachloride	ND	50	43	100		n-Propylbenzene	ND	100	79	100	
Chlorobenzene	ND	100	22	100		Styrene	ND	100	30	100	
Chloroethane	ND	500	130	100		1,1,1,2-Tetrachloroethane	ND	100	35	100	
Chloroform	ND	100	33	100		1,1,2,2-Tetrachloroethane	ND	100	44	100	
Chloromethane	ND	1000	49	100		Tetrachloroethene	390	100	51	100	
2-Chlorotoluene	ND	100	55	100		Toluene	ND	100	33	100	
4-Chlorotoluene	ND	100	21	100		1,2,3-Trichlorobenzene	ND	100	31	100	
Dibromochloromethane	ND	100	48	100		1,2,4-Trichlorobenzene	ND	100	49	100	
1,2-Dibromo-3-Chloropropane	ND	500	310	100		1,1,1-Trichloroethane	ND	100	45	100	
1,2-Dibromoethane	ND	100	47	100		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	1000	64	100	
Dibromomethane	ND	100	59	100		1,1,2-Trichloroethane	ND	100	54	100	
1,2-Dichlorobenzene	ND	100	27	100		Trichloroethene	190	100	30	100	
1,3-Dichlorobenzene	ND	100	28	100		Trichlorofluoromethane	ND	1000	31	100	
1,4-Dichlorobenzene	ND	100	21	100		1,2,3-Trichloropropane	ND	500	130	100	
Dichlorodifluoromethane	ND	100	49	100		1,2,4-Trimethylbenzene	ND	100	24	100	
1,1-Dichloroethane	ND	100	37	100		1,3,5-Trimethylbenzene	ND	100	23	100	
1,2-Dichloroethane	ND	50	31	100		Vinyl Acetate	ND	1000	710	100	
1,1-Dichloroethene	56	100	40	100	J	Vinyl Chloride	400	50	33	100	
c-1,2-Dichloroethene	8400	100	49	100		p/m-Xylene	ND	100	45	100	
t-1,2-Dichloroethene	ND	100	40	100		o-Xylene	ND	100	24	100	
1,2-Dichloropropane	ND	100	38	100		Methyl-t-Butyl Ether (MTBE)	ND	100	30	100	
Surrogates:	REC (%)	Control Limits			Qual	Surrogates:	REC (%)	I Limits			Qual
Dibromofluoromethane	107	82-130				1,2-Dichloroethane-d4	93	75-141			
Toluene-d8	95	83-113				1,4-Bromofluorobenzene	108	70-118			

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Analytical Report



GeoSyntec Consultants
10875 Rancho Bernardo Road, Suite 200
San Diego, CA 92127-2116

Date Received: 01/16/09
Work Order No: 09-01-1395
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/L

Project: Teledyne Ryan

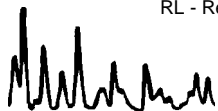
Page 6 of 10

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
BLD120-MW6	09-01-1395-6-C	01/16/09 12:18	Aqueous	GC/MS VV	01/23/09	01/23/09 16:24	090123L01

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	50	9.1	1		1,3-Dichloropropane	ND	1.0	0.38	1	
Benzene	ND	0.50	0.28	1		2,2-Dichloropropane	ND	1.0	0.46	1	
Bromobenzene	ND	1.0	0.33	1		1,1-Dichloropropene	ND	1.0	0.26	1	
Bromochloromethane	ND	1.0	0.69	1		c-1,3-Dichloropropene	ND	0.50	0.28	1	
Bromodichloromethane	ND	1.0	0.33	1		t-1,3-Dichloropropene	ND	0.50	0.36	1	
Bromoform	ND	1.0	0.55	1		Ethylbenzene	ND	1.0	0.22	1	
Bromomethane	ND	10	4.3	1		2-Hexanone	ND	10	6.9	1	
2-Butanone	ND	10	6.9	1		Isopropylbenzene	ND	1.0	0.23	1	
n-Butylbenzene	ND	1.0	0.28	1		p-Isopropyltoluene	ND	1.0	0.26	1	
sec-Butylbenzene	ND	1.0	0.20	1		Methylene Chloride	ND	10	2.6	1	
tert-Butylbenzene	ND	1.0	0.28	1		4-Methyl-2-Pentanone	ND	10	4.4	1	
Carbon Disulfide	ND	10	1.9	1		Naphthalene	ND	10	2.5	1	
Carbon Tetrachloride	ND	0.50	0.43	1		n-Propylbenzene	ND	1.0	0.79	1	
Chlorobenzene	ND	1.0	0.22	1		Styrene	ND	1.0	0.30	1	
Chloroethane	ND	5.0	1.3	1		1,1,1,2-Tetrachloroethane	ND	1.0	0.35	1	
Chloroform	ND	1.0	0.33	1		1,1,2,2-Tetrachloroethane	ND	1.0	0.44	1	
Chloromethane	ND	10	0.49	1		Tetrachloroethene	ND	1.0	0.51	1	
2-Chlorotoluene	ND	1.0	0.55	1		Toluene	ND	1.0	0.33	1	
4-Chlorotoluene	ND	1.0	0.21	1		1,2,3-Trichlorobenzene	ND	1.0	0.31	1	
Dibromochloromethane	ND	1.0	0.48	1		1,2,4-Trichlorobenzene	ND	1.0	0.49	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	3.1	1		1,1,1-Trichloroethane	ND	1.0	0.45	1	
1,2-Dibromoethane	ND	1.0	0.47	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.64	1	
Dibromomethane	ND	1.0	0.59	1		1,1,2-Trichloroethane	ND	1.0	0.54	1	
1,2-Dichlorobenzene	ND	1.0	0.27	1		Trichloroethene	ND	1.0	0.30	1	
1,3-Dichlorobenzene	ND	1.0	0.28	1		Trichlorofluoromethane	ND	10	0.31	1	
1,4-Dichlorobenzene	ND	1.0	0.21	1		1,2,3-Trichloropropane	ND	5.0	1.3	1	
Dichlorodifluoromethane	ND	1.0	0.49	1		1,2,4-Trimethylbenzene	ND	1.0	0.24	1	
1,1-Dichloroethane	2.3	1.0	0.37	1		1,3,5-Trimethylbenzene	ND	1.0	0.23	1	
1,2-Dichloroethane	ND	0.50	0.31	1		Vinyl Acetate	ND	10	7.1	1	
1,1-Dichloroethene	1.4	1.0	0.40	1		Vinyl Chloride	42	0.50	0.33	1	
c-1,2-Dichloroethene	200	5.0	2.4	5		p/m-Xylene	ND	1.0	0.45	1	
t-1,2-Dichloroethene	13	1.0	0.40	1		o-Xylene	ND	1.0	0.24	1	
1,2-Dichloropropane	ND	1.0	0.38	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.30	1	
Surrogates:	REC (%)	Control Limits			Qual	Surrogates:	REC (%)	I Limits			Qual
Dibromofluoromethane	114	82-130				1,2-Dichloroethane-d4	97	75-141			
Toluene-d8	95	83-113				1,4-Bromofluorobenzene	106	70-118			

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Analytical Report



GeoSyntec Consultants
10875 Rancho Bernardo Road, Suite 200
San Diego, CA 92127-2116

Date Received: 01/16/09
Work Order No: 09-01-1395
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/L

Project: Teledyne Ryan

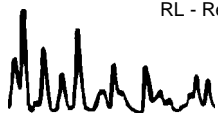
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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
BLD131-MW6	09-01-1395-7-C	01/16/09 14:13	Aqueous	GC/MS XX	01/23/09	01/23/09 15:50	090123L01

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	50	9.1	1		1,3-Dichloropropane	ND	1.0	0.38	1	
Benzene	17	0.50	0.28	1		2,2-Dichloropropane	ND	1.0	0.46	1	
Bromobenzene	ND	1.0	0.33	1		1,1-Dichloropropene	ND	1.0	0.26	1	
Bromochloromethane	ND	1.0	0.69	1		c-1,3-Dichloropropene	ND	0.50	0.28	1	
Bromodichloromethane	ND	1.0	0.33	1		t-1,3-Dichloropropene	ND	0.50	0.36	1	
Bromoform	ND	1.0	0.55	1		Ethylbenzene	ND	1.0	0.22	1	
Bromomethane	ND	10	4.3	1		2-Hexanone	ND	10	6.9	1	
2-Butanone	ND	10	6.9	1		Isopropylbenzene	ND	1.0	0.23	1	
n-Butylbenzene	ND	1.0	0.28	1		p-Isopropyltoluene	ND	1.0	0.26	1	
sec-Butylbenzene	ND	1.0	0.20	1		Methylene Chloride	ND	10	2.6	1	
tert-Butylbenzene	ND	1.0	0.28	1		4-Methyl-2-Pentanone	ND	10	4.4	1	
Carbon Disulfide	ND	10	1.9	1		Naphthalene	ND	10	2.5	1	
Carbon Tetrachloride	ND	0.50	0.43	1		n-Propylbenzene	ND	1.0	0.79	1	
Chlorobenzene	2.0	1.0	0.22	1		Styrene	ND	1.0	0.30	1	
Chloroethane	ND	5.0	1.3	1		1,1,1,2-Tetrachloroethane	ND	1.0	0.35	1	
Chloroform	ND	1.0	0.33	1		1,1,2,2-Tetrachloroethane	ND	1.0	0.44	1	
Chloromethane	ND	10	0.49	1		Tetrachloroethene	ND	1.0	0.51	1	
2-Chlorotoluene	ND	1.0	0.55	1		Toluene	1.0	1.0	0.33	1	
4-Chlorotoluene	ND	1.0	0.21	1		1,2,3-Trichlorobenzene	ND	1.0	0.31	1	
Dibromochloromethane	ND	1.0	0.48	1		1,2,4-Trichlorobenzene	ND	1.0	0.49	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	3.1	1		1,1,1-Trichloroethane	ND	1.0	0.45	1	
1,2-Dibromoethane	ND	1.0	0.47	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.64	1	
Dibromomethane	ND	1.0	0.59	1		1,1,2-Trichloroethane	ND	1.0	0.54	1	
1,2-Dichlorobenzene	0.84	1.0	0.27	1	J	Trichloroethene	ND	1.0	0.30	1	
1,3-Dichlorobenzene	ND	1.0	0.28	1		Trichlorofluoromethane	ND	10	0.31	1	
1,4-Dichlorobenzene	5.2	1.0	0.21	1		1,2,3-Trichloropropane	ND	5.0	1.3	1	
Dichlorodifluoromethane	ND	1.0	0.49	1		1,2,4-Trimethylbenzene	ND	1.0	0.24	1	
1,1-Dichloroethane	0.46	1.0	0.37	1	J	1,3,5-Trimethylbenzene	ND	1.0	0.23	1	
1,2-Dichloroethane	ND	0.50	0.31	1		Vinyl Acetate	ND	10	7.1	1	
1,1-Dichloroethene	ND	1.0	0.40	1		Vinyl Chloride	12	0.50	0.33	1	
c-1,2-Dichloroethene	1.2	1.0	0.49	1		p/m-Xylene	ND	1.0	0.45	1	
t-1,2-Dichloroethene	0.77	1.0	0.40	1	J	o-Xylene	ND	1.0	0.24	1	
1,2-Dichloropropane	ND	1.0	0.38	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.30	1	
Surrogates:	REC (%)	Control Limits			Qual	Surrogates:	REC (%)	I Limits			Qual
Dibromofluoromethane	118	82-130				1,2-Dichloroethane-d4	115	75-141			
Toluene-d8	95	83-113				1,4-Bromofluorobenzene	91	70-118			

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Analytical Report



GeoSyntec Consultants
10875 Rancho Bernardo Road, Suite 200
San Diego, CA 92127-2116

Date Received: 01/16/09
Work Order No: 09-01-1395
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/L

Project: Teledyne Ryan

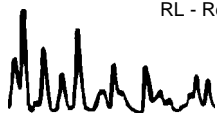
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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
QCEB-6	09-01-1395-8-C	01/16/09 13:30	Aqueous	GC/MS XX	01/23/09	01/23/09 16:16	090123L01

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	50	9.1	1		1,3-Dichloropropane	ND	1.0	0.38	1	
Benzene	ND	0.50	0.28	1		2,2-Dichloropropane	ND	1.0	0.46	1	
Bromobenzene	ND	1.0	0.33	1		1,1-Dichloropropene	ND	1.0	0.26	1	
Bromochloromethane	ND	1.0	0.69	1		c-1,3-Dichloropropene	ND	0.50	0.28	1	
Bromodichloromethane	ND	1.0	0.33	1		t-1,3-Dichloropropene	ND	0.50	0.36	1	
Bromoform	ND	1.0	0.55	1		Ethylbenzene	ND	1.0	0.22	1	
Bromomethane	ND	10	4.3	1		2-Hexanone	ND	10	6.9	1	
2-Butanone	ND	10	6.9	1		Isopropylbenzene	ND	1.0	0.23	1	
n-Butylbenzene	ND	1.0	0.28	1		p-Isopropyltoluene	ND	1.0	0.26	1	
sec-Butylbenzene	ND	1.0	0.20	1		Methylene Chloride	ND	10	2.6	1	
tert-Butylbenzene	ND	1.0	0.28	1		4-Methyl-2-Pentanone	ND	10	4.4	1	
Carbon Disulfide	ND	10	1.9	1		Naphthalene	ND	10	2.5	1	
Carbon Tetrachloride	ND	0.50	0.43	1		n-Propylbenzene	ND	1.0	0.79	1	
Chlorobenzene	ND	1.0	0.22	1		Styrene	ND	1.0	0.30	1	
Chloroethane	ND	5.0	1.3	1		1,1,1,2-Tetrachloroethane	ND	1.0	0.35	1	
Chloroform	ND	1.0	0.33	1		1,1,2,2-Tetrachloroethane	ND	1.0	0.44	1	
Chloromethane	ND	10	0.49	1		Tetrachloroethene	ND	1.0	0.51	1	
2-Chlorotoluene	ND	1.0	0.55	1		Toluene	ND	1.0	0.33	1	
4-Chlorotoluene	ND	1.0	0.21	1		1,2,3-Trichlorobenzene	ND	1.0	0.31	1	
Dibromochloromethane	ND	1.0	0.48	1		1,2,4-Trichlorobenzene	ND	1.0	0.49	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	3.1	1		1,1,1-Trichloroethane	ND	1.0	0.45	1	
1,2-Dibromoethane	ND	1.0	0.47	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.64	1	
Dibromomethane	ND	1.0	0.59	1		1,1,2-Trichloroethane	ND	1.0	0.54	1	
1,2-Dichlorobenzene	ND	1.0	0.27	1		Trichloroethene	ND	1.0	0.30	1	
1,3-Dichlorobenzene	ND	1.0	0.28	1		Trichlorofluoromethane	ND	10	0.31	1	
1,4-Dichlorobenzene	ND	1.0	0.21	1		1,2,3-Trichloropropane	ND	5.0	1.3	1	
Dichlorodifluoromethane	ND	1.0	0.49	1		1,2,4-Trimethylbenzene	ND	1.0	0.24	1	
1,1-Dichloroethane	ND	1.0	0.37	1		1,3,5-Trimethylbenzene	ND	1.0	0.23	1	
1,2-Dichloroethane	ND	0.50	0.31	1		Vinyl Acetate	ND	10	7.1	1	
1,1-Dichloroethene	ND	1.0	0.40	1		Vinyl Chloride	ND	0.50	0.33	1	
c-1,2-Dichloroethene	ND	1.0	0.49	1		p/m-Xylene	ND	1.0	0.45	1	
t-1,2-Dichloroethene	ND	1.0	0.40	1		o-Xylene	ND	1.0	0.24	1	
1,2-Dichloropropane	ND	1.0	0.38	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.30	1	
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>			<u>Qual</u>	<u>Surrogates:</u>	<u>REC (%)</u>	<u>I Limits</u>			<u>Qual</u>
Dibromofluoromethane	115	82-130				1,2-Dichloroethane-d4	112	75-141			
Toluene-d8	95	83-113				1,4-Bromofluorobenzene	77	70-118			

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Analytical Report



GeoSyntec Consultants
10875 Rancho Bernardo Road, Suite 200
San Diego, CA 92127-2116

Date Received: 01/16/09
Work Order No: 09-01-1395
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/L

Project: Teledyne Ryan

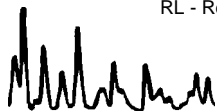
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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-10-006-28,209	N/A	Aqueous	GC/MS VV	01/23/09	01/23/09 12:02	090123L01

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	50	9.1	1		1,3-Dichloropropane	ND	1.0	0.38	1	
Benzene	ND	0.50	0.28	1		2,2-Dichloropropane	ND	1.0	0.46	1	
Bromobenzene	ND	1.0	0.33	1		1,1-Dichloropropene	ND	1.0	0.26	1	
Bromochloromethane	ND	1.0	0.69	1		c-1,3-Dichloropropene	ND	0.50	0.28	1	
Bromodichloromethane	ND	1.0	0.33	1		t-1,3-Dichloropropene	ND	0.50	0.36	1	
Bromoform	ND	1.0	0.55	1		Ethylbenzene	ND	1.0	0.22	1	
Bromomethane	ND	10	4.3	1		2-Hexanone	ND	10	6.9	1	
2-Butanone	ND	10	6.9	1		Isopropylbenzene	ND	1.0	0.23	1	
n-Butylbenzene	ND	1.0	0.28	1		p-Isopropyltoluene	ND	1.0	0.26	1	
sec-Butylbenzene	ND	1.0	0.20	1		Methylene Chloride	ND	10	2.6	1	
tert-Butylbenzene	ND	1.0	0.28	1		4-Methyl-2-Pentanone	ND	10	4.4	1	
Carbon Disulfide	ND	10	1.9	1		Naphthalene	ND	10	2.5	1	
Carbon Tetrachloride	ND	0.50	0.43	1		n-Propylbenzene	ND	1.0	0.79	1	
Chlorobenzene	ND	1.0	0.22	1		Styrene	ND	1.0	0.30	1	
Chloroethane	ND	5.0	1.3	1		1,1,1,2-Tetrachloroethane	ND	1.0	0.35	1	
Chloroform	ND	1.0	0.33	1		1,1,2,2-Tetrachloroethane	ND	1.0	0.44	1	
Chloromethane	ND	10	0.49	1		Tetrachloroethene	ND	1.0	0.51	1	
2-Chlorotoluene	ND	1.0	0.55	1		Toluene	ND	1.0	0.33	1	
4-Chlorotoluene	ND	1.0	0.21	1		1,2,3-Trichlorobenzene	ND	1.0	0.31	1	
Dibromochloromethane	ND	1.0	0.48	1		1,2,4-Trichlorobenzene	ND	1.0	0.49	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	3.1	1		1,1,1-Trichloroethane	ND	1.0	0.45	1	
1,2-Dibromoethane	ND	1.0	0.47	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.64	1	
Dibromomethane	ND	1.0	0.59	1		1,1,2-Trichloroethane	ND	1.0	0.54	1	
1,2-Dichlorobenzene	ND	1.0	0.27	1		Trichloroethene	ND	1.0	0.30	1	
1,3-Dichlorobenzene	ND	1.0	0.28	1		Trichlorofluoromethane	ND	10	0.31	1	
1,4-Dichlorobenzene	ND	1.0	0.21	1		1,2,3-Trichloropropane	ND	5.0	1.3	1	
Dichlorodifluoromethane	ND	1.0	0.49	1		1,2,4-Trimethylbenzene	ND	1.0	0.24	1	
1,1-Dichloroethane	ND	1.0	0.37	1		1,3,5-Trimethylbenzene	ND	1.0	0.23	1	
1,2-Dichloroethane	ND	0.50	0.31	1		Vinyl Acetate	ND	10	7.1	1	
1,1-Dichloroethene	ND	1.0	0.40	1		Vinyl Chloride	ND	0.50	0.33	1	
c-1,2-Dichloroethene	ND	1.0	0.49	1		p/m-Xylene	ND	1.0	0.45	1	
t-1,2-Dichloroethene	ND	1.0	0.40	1		o-Xylene	ND	1.0	0.24	1	
1,2-Dichloropropane	ND	1.0	0.38	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.30	1	
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>			<u>Qual</u>	<u>Surrogates:</u>	<u>REC (%)</u>	<u>ILimits</u>			<u>Qual</u>
Dibromofluoromethane	108	82-130				1,2-Dichloroethane-d4	93	75-141			
Toluene-d8	96	83-113				1,4-Bromofluorobenzene	108	70-118			

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Analytical Report



GeoSyntec Consultants
10875 Rancho Bernardo Road, Suite 200
San Diego, CA 92127-2116

Date Received: 01/16/09
Work Order No: 09-01-1395
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/L

Project: Teledyne Ryan

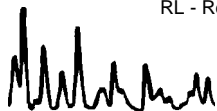
Page 10 of 10

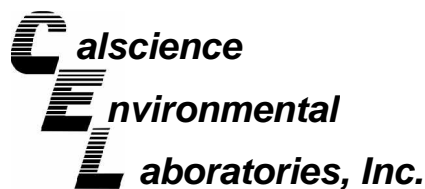
Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-10-006-28,211	N/A	Aqueous	GC/MS XX	01/23/09	01/23/09 12:19	090123L01

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	50	9.1	1		1,3-Dichloropropane	ND	1.0	0.38	1	
Benzene	ND	0.50	0.28	1		2,2-Dichloropropane	ND	1.0	0.46	1	
Bromobenzene	ND	1.0	0.33	1		1,1-Dichloropropene	ND	1.0	0.26	1	
Bromochloromethane	ND	1.0	0.69	1		c-1,3-Dichloropropene	ND	0.50	0.28	1	
Bromodichloromethane	ND	1.0	0.33	1		t-1,3-Dichloropropene	ND	0.50	0.36	1	
Bromoform	ND	1.0	0.55	1		Ethylbenzene	ND	1.0	0.22	1	
Bromomethane	ND	10	4.3	1		2-Hexanone	ND	10	6.9	1	
2-Butanone	ND	10	6.9	1		Isopropylbenzene	ND	1.0	0.23	1	
n-Butylbenzene	ND	1.0	0.28	1		p-Isopropyltoluene	ND	1.0	0.26	1	
sec-Butylbenzene	ND	1.0	0.20	1		Methylene Chloride	ND	10	2.6	1	
tert-Butylbenzene	ND	1.0	0.28	1		4-Methyl-2-Pentanone	ND	10	4.4	1	
Carbon Disulfide	ND	10	1.9	1		Naphthalene	ND	10	2.5	1	
Carbon Tetrachloride	ND	0.50	0.43	1		n-Propylbenzene	ND	1.0	0.79	1	
Chlorobenzene	ND	1.0	0.22	1		Styrene	ND	1.0	0.30	1	
Chloroethane	ND	5.0	1.3	1		1,1,1,2-Tetrachloroethane	ND	1.0	0.35	1	
Chloroform	ND	1.0	0.33	1		1,1,2,2-Tetrachloroethane	ND	1.0	0.44	1	
Chloromethane	ND	10	0.49	1		Tetrachloroethene	ND	1.0	0.51	1	
2-Chlorotoluene	ND	1.0	0.55	1		Toluene	ND	1.0	0.33	1	
4-Chlorotoluene	ND	1.0	0.21	1		1,2,3-Trichlorobenzene	ND	1.0	0.31	1	
Dibromochloromethane	ND	1.0	0.48	1		1,2,4-Trichlorobenzene	ND	1.0	0.49	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	3.1	1		1,1,1-Trichloroethane	ND	1.0	0.45	1	
1,2-Dibromoethane	ND	1.0	0.47	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.64	1	
Dibromomethane	ND	1.0	0.59	1		1,1,2-Trichloroethane	ND	1.0	0.54	1	
1,2-Dichlorobenzene	ND	1.0	0.27	1		Trichloroethene	ND	1.0	0.30	1	
1,3-Dichlorobenzene	ND	1.0	0.28	1		Trichlorofluoromethane	ND	10	0.31	1	
1,4-Dichlorobenzene	ND	1.0	0.21	1		1,2,3-Trichloropropane	ND	5.0	1.3	1	
Dichlorodifluoromethane	ND	1.0	0.49	1		1,2,4-Trimethylbenzene	ND	1.0	0.24	1	
1,1-Dichloroethane	ND	1.0	0.37	1		1,3,5-Trimethylbenzene	ND	1.0	0.23	1	
1,2-Dichloroethane	ND	0.50	0.31	1		Vinyl Acetate	ND	10	7.1	1	
1,1-Dichloroethene	ND	1.0	0.40	1		Vinyl Chloride	ND	0.50	0.33	1	
c-1,2-Dichloroethene	ND	1.0	0.49	1		p/m-Xylene	ND	1.0	0.45	1	
t-1,2-Dichloroethene	ND	1.0	0.40	1		o-Xylene	ND	1.0	0.24	1	
1,2-Dichloropropane	ND	1.0	0.38	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.30	1	
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>			<u>Qual</u>	<u>Surrogates:</u>	<u>REC (%)</u>	<u>I Limits</u>			<u>Qual</u>
Dibromofluoromethane	110	82-130				1,2-Dichloroethane-d4	109	75-141			
Toluene-d8	95	83-113				1,4-Bromofluorobenzene	80	70-118			

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers





Analytical Report



GeoSyntec Consultants
10875 Rancho Bernardo Road, Suite 200
San Diego, CA 92127-2116

Date Received: 01/16/09
Work Order No: 09-01-1395

Project: Teledyne Ryan

Page 1 of 2

Client Sample Number	Lab Sample Number	Date Collected	Matrix
BLD120-MW1	09-01-1395-5	01/16/09	Aqueous

Comment(s): (24) Results were evaluated to the MDL, concentrations \geq to the MDL but $<$ RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Chloride	260	50	2.7	50		mg/L	N/A	01/17/09	EPA 300.0
Nitrite (as N) (24)	ND	0.10	0.015	1		mg/L	N/A	01/17/09	EPA 300.0
Nitrate (as N) (24)	ND	0.10	0.028	1		mg/L	N/A	01/17/09	EPA 300.0
Sulfate	2.1	1.0	0.069	1		mg/L	N/A	01/17/09	EPA 300.0
Sulfide, Total	0.80	0.050	0.042	1		mg/L	01/21/09	01/21/09	SM 4500 S2 - D
Carbon, Total Organic	900	25	1.0	50		mg/L	N/A	01/22/09	SM 5310 D

Client Sample Number	Lab Sample Number	Date Collected	Matrix
BLD120-MW6	09-01-1395-6	01/16/09	Aqueous

Comment(s): (24) Results were evaluated to the MDL, concentrations \geq to the MDL but $<$ RL, if found, are qualified with a "J" flag.

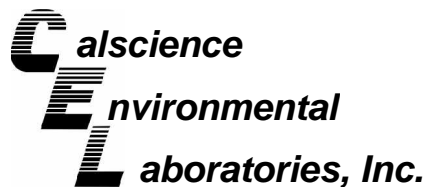
Parameter	Result	RL	MDL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Chloride	260	50	2.7	50		mg/L	N/A	01/17/09	EPA 300.0
Nitrite (as N) (24)	ND	0.10	0.015	1		mg/L	N/A	01/17/09	EPA 300.0
Nitrate (as N) (24)	ND	0.10	0.028	1		mg/L	N/A	01/17/09	EPA 300.0
Sulfate	22	5.0	0.34	5		mg/L	N/A	01/17/09	EPA 300.0
Sulfide, Total	0.70	0.050	0.042	1		mg/L	01/21/09	01/21/09	SM 4500 S2 - D
Carbon, Total Organic	120	5.0	0.21	10		mg/L	N/A	01/22/09	SM 5310 D

Client Sample Number	Lab Sample Number	Date Collected	Matrix
BLD131-MW6	09-01-1395-7	01/16/09	Aqueous

Comment(s): (24) Results were evaluated to the MDL, concentrations \geq to the MDL but $<$ RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Chloride	800	100	5.5	100		mg/L	N/A	01/17/09	EPA 300.0
Nitrite (as N) (24)	ND	0.10	0.015	1		mg/L	N/A	01/17/09	EPA 300.0
Nitrate (as N) (24)	ND	0.10	0.028	1		mg/L	N/A	01/17/09	EPA 300.0
Sulfate	9.2	1.0	0.069	1		mg/L	N/A	01/17/09	EPA 300.0
Sulfide, Total	0.40	0.050	0.042	1		mg/L	01/21/09	01/21/09	SM 4500 S2 - D
Carbon, Total Organic	7.9	0.50	0.021	1		mg/L	N/A	01/22/09	SM 5310 D

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Analytical Report



GeoSyntec Consultants
10875 Rancho Bernardo Road, Suite 200
San Diego, CA 92127-2116

Date Received: 01/16/09
Work Order No: 09-01-1395

Project: Teledyne Ryan

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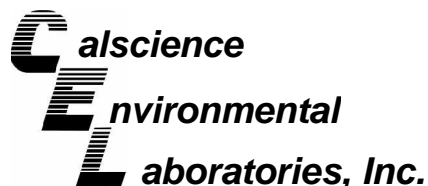
Client Sample Number	Lab Sample Number	Date Collected	Matrix
Method Blank		N/A	Aqueous

Comment(s): (24) Results were evaluated to the MDL, concentrations \geq to the MDL but $<$ RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Chloride (24)	ND	1.0	0.055	1		mg/L	N/A	01/17/09	EPA 300.0
Nitrite (as N) (24)	ND	0.10	0.015	1		mg/L	N/A	01/17/09	EPA 300.0
Nitrate (as N) (24)	ND	0.10	0.028	1		mg/L	N/A	01/17/09	EPA 300.0
Sulfate (24)	ND	1.0	0.069	1		mg/L	N/A	01/17/09	EPA 300.0
Sulfide, Total (24)	ND	0.050	0.042	1		mg/L	01/21/09	01/21/09	SM 4500 S2 - D
Carbon, Total Organic (24)	ND	0.50	0.021	1		mg/L	N/A	01/22/09	SM 5310 D

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

7440 Lincoln Way, Garden Grove, CA 92841-1427 . TEL:(714) 895-5494 . FAX: (714) 894-7501



Quality Control - Spike/Spike Duplicate



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San Diego, CA 92127-2116

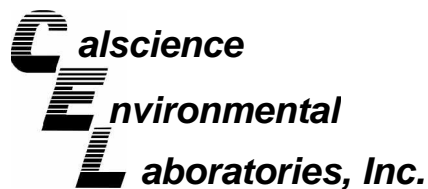
Date Received: 01/16/09
Work Order No: 09-01-1395
Preparation: EPA 3010A Total
Method: EPA 6010B

Project Teledyne Ryan

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
MWCL-1	Aqueous	ICP 5300	01/19/09	01/20/09	090119SA4

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Antimony	110	116	72-132	6	0-10	
Arsenic	107	114	80-140	6	0-11	
Barium	104	109	87-123	4	0-6	
Beryllium	103	102	89-119	1	0-8	
Cadmium	103	100	82-124	3	0-7	
Chromium	100	95	86-122	5	0-8	
Cobalt	99	98	83-125	1	0-7	
Copper	101	119	78-126	16	0-7	4
Lead	102	98	84-120	4	0-7	
Molybdenum	107	103	78-126	3	0-7	
Nickel	99	99	84-120	0	0-7	
Selenium	106	110	79-127	4	0-9	
Silver	105	121	86-128	14	0-7	4
Thallium	100	92	79-121	8	0-8	
Vanadium	101	101	88-118	0	0-7	
Zinc	103	112	89-131	9	0-8	4

RPD - Relative Percent Difference , CL - Control Limit



Quality Control - Spike/Spike Duplicate



GeoSyntec Consultants
10875 Rancho Bernardo Road, Suite 200
San Diego, CA 92127-2116

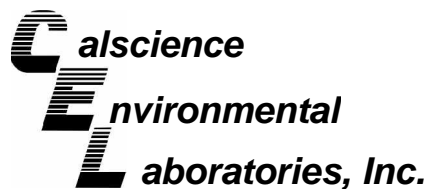
Date Received: 01/16/09
Work Order No: 09-01-1395
Preparation: EPA 7470A Total
Method: EPA 7470A

Project Teledyne Ryan

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
09-01-1396-1	Aqueous	Mercury	01/22/09	01/22/09	090122S02

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Mercury	81	82	66-126	2	0-7	

RPD - Relative Percent Difference , CL - Control Limit



Quality Control - Spike/Spike Duplicate



GeoSyntec Consultants
10875 Rancho Bernardo Road, Suite 200
San Diego, CA 92127-2116

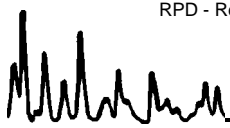
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Work Order No: 09-01-1395
Preparation: N/A
Method: HPLC/UV

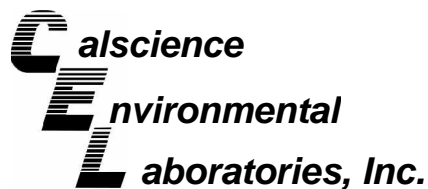
Project Teledyne Ryan

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
09-01-1335-1	Aqueous	HPLC 6	N/A	01/20/09	090120S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Acetic Acid	111	112	70-130	1	0-30	
Butyric Acid	94	97	70-130	3	0-30	
Lactic Acid	108	107	70-130	1	0-30	
Propionic Acid	102	106	70-130	4	0-30	
Pyruvic Acid	85	90	70-130	6	0-30	

RPD - Relative Percent Difference , CL - Control Limit





Quality Control - Spike/Spike Duplicate



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San Diego, CA 92127-2116

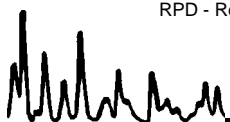
Date Received: 01/16/09
Work Order No: 09-01-1395
Preparation: EPA 5030B
Method: EPA 8260B

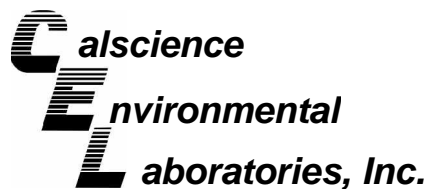
Project Teledyne Ryan

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
MWCL-1	Aqueous	GC/MS XX	01/23/09	01/23/09	090123S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	80	83	88-118	3	0-7	3
Carbon Tetrachloride	75	74	67-145	2	0-11	
Chlorobenzene	84	89	88-118	6	0-7	3
1,2-Dibromoethane	86	93	70-130	8	0-30	
1,2-Dichlorobenzene	84	92	86-116	8	0-8	3
1,1-Dichloroethene	67	68	70-130	2	0-25	3
Ethylbenzene	90	93	70-130	3	0-30	
Toluene	80	83	87-123	4	0-8	3
Trichloroethene	78	80	79-127	2	0-10	3
Vinyl Chloride	80	73	69-129	10	0-13	
Methyl-t-Butyl Ether (MTBE)	72	82	71-131	13	0-13	
Tert-Butyl Alcohol (TBA)	81	80	36-168	2	0-45	
Diisopropyl Ether (DIPE)	71	80	81-123	12	0-9	3,4
Ethyl-t-Butyl Ether (ETBE)	70	81	72-126	16	0-12	3,4
Tert-Amyl-Methyl Ether (TAME)	78	88	72-126	12	0-12	
Ethanol	81	71	53-149	13	0-31	

RPD - Relative Percent Difference , CL - Control Limit





Quality Control - Spike/Spike Duplicate



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San Diego, CA 92127-2116

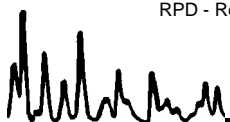
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Work Order No: 09-01-1395
Preparation: EPA 5030B
Method: EPA 8260B

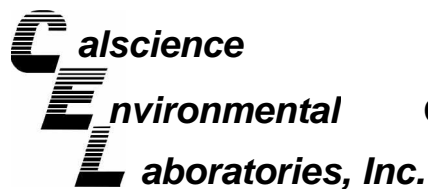
Project Teledyne Ryan

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
09-01-1907-1	Aqueous	GC/MS VV	01/23/09	01/23/09	090123S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	100	100	88-118	0	0-7	
Carbon Tetrachloride	119	122	67-145	2	0-11	
Chlorobenzene	100	99	88-118	1	0-7	
1,2-Dibromoethane	99	97	70-130	2	0-30	
1,2-Dichlorobenzene	100	99	86-116	0	0-8	
1,1-Dichloroethene	87	86	70-130	1	0-25	
Ethylbenzene	101	100	70-130	1	0-30	
Toluene	93	94	87-123	1	0-8	
Trichloroethene	97	98	79-127	1	0-10	
Vinyl Chloride	85	85	69-129	1	0-13	
Methyl-t-Butyl Ether (MTBE)	86	90	71-131	5	0-13	
Tert-Butyl Alcohol (TBA)	81	88	36-168	9	0-45	
Diisopropyl Ether (DIPE)	95	96	81-123	1	0-9	
Ethyl-t-Butyl Ether (ETBE)	83	87	72-126	4	0-12	
Tert-Amyl-Methyl Ether (TAME)	82	84	72-126	3	0-12	
Ethanol	77	83	53-149	7	0-31	

RPD - Relative Percent Difference , CL - Control Limit





Quality Control - Spike/Spike Duplicate



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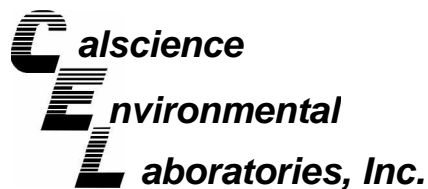
Date Received: N/A
Work Order No: 09-01-1395

Project: Teledyne Ryan

Matrix: Aqueous

<u>Parameter</u>	<u>Method</u>	<u>Quality Control Sample ID</u>	<u>Date Analyzed</u>	<u>Date Extracted</u>	<u>MS% REC</u>	<u>MSD % REC</u>	<u>%REC CL</u>	<u>RPD</u>	<u>RPD CL</u>	<u>Qualifiers</u>
Chloride	EPA 300.0	09-01-1301-4	01/17/09	N/A	4X	4X	56-134	4X	0-3	Q
Nitrite (as N)	EPA 300.0	09-01-1301-4	01/17/09	N/A	0	0	68-122	0	0-8	3
Nitrate (as N)	EPA 300.0	09-01-1301-4	01/17/09	N/A	97	98	58-142	0	0-6	
Sulfate	EPA 300.0	09-01-1301-4	01/17/09	N/A	104	103	49-133	0	0-3	
Carbon, Total Organic	SM 5310 D	09-01-1710-2	01/22/09	N/A	17	17	70-130	1	0-25	3

RPD - Relative Percent Difference , CL - Control Limit



Quality Control - Duplicate



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San Diego, CA 92127-2116

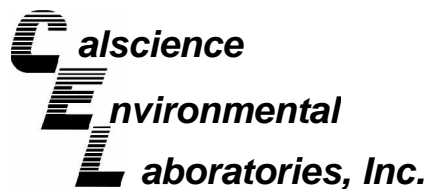
Date Received: N/A
Work Order No: 09-01-1395

Project: Teledyne Ryan

Matrix: Aqueous

<u>Parameter</u>	<u>Method</u>	<u>QC Sample ID</u>	<u>Date Analyzed</u>	<u>Sample Conc</u>	<u>DUP Conc</u>	<u>RPD</u>	<u>RPD CL</u>	<u>Qualifiers</u>
Sulfide, Total	SM 4500 S2 - D	09-01-1402-7	01/21/09	ND	ND	NA	0-25	

RPD - Relative Percent Difference , CL - Control Limit



Quality Control - LCS/LCS Duplicate



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San Diego, CA 92127-2116

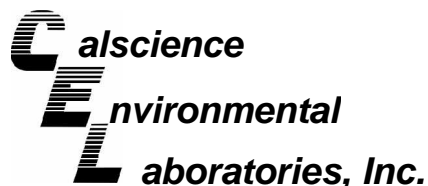
Date Received: N/A
Work Order No: 09-01-1395
Preparation: N/A
Method: RSK-175M

Project: Teledyne Ryan

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-661-161	Aqueous	GC 52	N/A	01/20/09	090120L01

<u>Parameter</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>%REC CL</u>	<u>RPD</u>	<u>RPD CL</u>	<u>Qualifiers</u>
Ethane	91	89	80-120	2	0-20	
Methane	91	86	79-109	5	0-20	

RPD - Relative Percent Difference , CL - Control Limit



Quality Control - LCS/LCS Duplicate



GeoSyntec Consultants
10875 Rancho Bernardo Road, Suite 200
San Diego, CA 92127-2116

Date Received: N/A
Work Order No: 09-01-1395
Preparation: EPA 3010A Total
Method: EPA 6010B

Project: Teledyne Ryan

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number		
097-01-003-9,053	Aqueous	ICP 5300	01/19/09	01/20/09	090119LA4		
Parameter	LCS %REC	LCSD %REC	%REC CL	ME CL	RPD	RPD CL	Qualifiers
Antimony	97	96	80-120	73-127	1	0-20	
Arsenic	95	94	80-120	73-127	1	0-20	
Barium	104	104	80-120	73-127	1	0-20	
Beryllium	99	99	80-120	73-127	0	0-20	
Cadmium	106	107	80-120	73-127	1	0-20	
Chromium	100	101	80-120	73-127	1	0-20	
Cobalt	106	106	80-120	73-127	0	0-20	
Copper	101	101	80-120	73-127	0	0-20	
Lead	106	105	80-120	73-127	1	0-20	
Molybdenum	103	103	80-120	73-127	1	0-20	
Nickel	109	108	80-120	73-127	1	0-20	
Selenium	98	99	80-120	73-127	1	0-20	
Silver	104	105	80-120	73-127	1	0-20	
Thallium	103	101	80-120	73-127	2	0-20	
Vanadium	97	98	80-120	73-127	1	0-20	
Zinc	105	105	80-120	73-127	0	0-20	

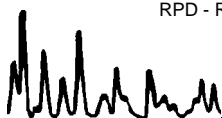
Total number of LCS compounds : 16

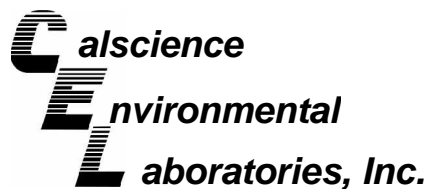
Total number of ME compounds : 0

Total number of ME compounds allowed : 1

LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit





Quality Control - LCS/LCS Duplicate



GeoSyntec Consultants
10875 Rancho Bernardo Road, Suite 200
San Diego, CA 92127-2116

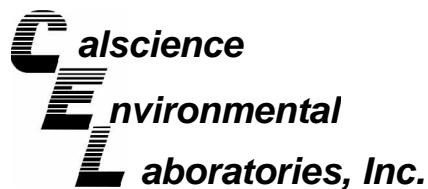
Date Received: N/A
Work Order No: 09-01-1395
Preparation: EPA 3510C
Method: EPA 8015B (M)

Project: Teledyne Ryan

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-308-978	Aqueous	GC 46	01/19/09	01/20/09	090119B07

<u>Parameter</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>%REC CL</u>	<u>RPD</u>	<u>RPD CL</u>	<u>Qualifiers</u>
TPH as Diesel	94	106	75-117	11	0-13	

RPD - Relative Percent Difference , CL - Control Limit



Quality Control - LCS/LCS Duplicate



GeoSyntec Consultants
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San Diego, CA 92127-2116

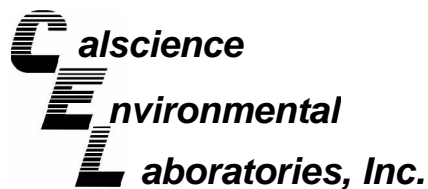
Date Received: N/A
Work Order No: 09-01-1395
Preparation: EPA 7470A Total
Method: EPA 7470A

Project: Teledyne Ryan

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-04-008-3,903	Aqueous	Mercury	01/22/09	01/22/09	090122L02

<u>Parameter</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>%REC CL</u>	<u>RPD</u>	<u>RPD CL</u>	<u>Qualifiers</u>
Mercury	100	100	85-121	0	0-4	

RPD - Relative Percent Difference , CL - Control Limit



Quality Control - LCS/LCS Duplicate



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San Diego, CA 92127-2116

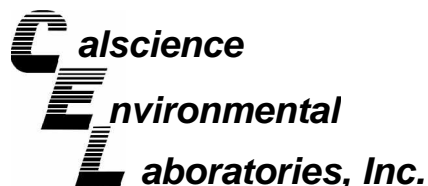
Date Received: N/A
Work Order No: 09-01-1395
Preparation: EPA 3520C
Method: EPA 8270C(M) Isotope Dilution

Project: Teledyne Ryan

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-09-004-1,185	Aqueous	GC/MS AAA	01/19/09	01/20/09	090119L09D

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
1,4-Dioxane	112	112	50-130	0	0-20	

RPD - Relative Percent Difference , CL - Control Limit



Quality Control - LCS/LCS Duplicate



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San Diego, CA 92127-2116

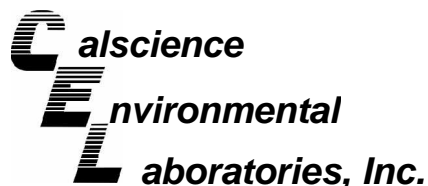
Date Received: N/A
Work Order No: 09-01-1395
Preparation: N/A
Method: HPLC/UV

Project: Teledyne Ryan

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-016-170	Aqueous	HPLC 6	N/A	01/20/09	090120L01

<u>Parameter</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>%REC CL</u>	<u>RPD</u>	<u>RPD CL</u>	<u>Qualifiers</u>
Acetic Acid	106	107	80-120	1	0-20	
Butyric Acid	99	102	80-120	4	0-20	
Lactic Acid	107	109	80-120	2	0-20	
Propionic Acid	107	108	80-120	1	0-20	
Pyruvic Acid	92	92	80-120	0	0-20	

RPD - Relative Percent Difference , CL - Control Limit



Quality Control - LCS/LCS Duplicate



GeoSyntec Consultants
10875 Rancho Bernardo Road, Suite 200
San Diego, CA 92127-2116

Date Received: N/A
Work Order No: 09-01-1395
Preparation: EPA 3510C
Method: EPA 8270C SIM

Project: Teledyne Ryan

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number		
099-12-430-61	Aqueous	GC/MS GG	01/19/09	01/23/09	090119L07		
Parameter	LCS %REC	LCSD %REC	%REC CL	ME CL	RPD	RPD CL	Qualifiers
2,4,5-Trichlorophenol	66	69	40-160	20-180	5	0-20	
2,4-Dichlorophenol	67	70	40-160	20-180	5	0-20	
2-Methylphenol	82	88	40-160	20-180	7	0-20	
2-Nitrophenol	61	65	40-160	20-180	6	0-20	
4-Chloro-3-Methylphenol	60	63	40-160	20-180	5	0-20	
Acenaphthene	55	57	55-121	44-132	3	0-15	
Benzo (a) Pyrene	66	68	17-163	0-187	4	0-20	
Chrysene	60	62	17-168	0-193	3	0-20	
Di-n-Butyl Phthalate	72	74	40-160	20-180	2	0-20	
Dimethyl Phthalate	61	63	40-160	20-180	4	0-20	
Fluoranthene	70	73	26-137	8-156	4	0-20	
Fluorene	63	64	59-121	49-131	2	0-20	
N-Nitrosodimethylamine	46	49	40-160	20-180	6	0-20	
Naphthalene	52	54	21-133	2-152	3	0-20	
Phenanthrene	67	69	54-120	43-131	3	0-20	
Phenol	43	45	40-160	20-180	6	0-20	
Pyrene	59	61	45-129	31-143	3	0-15	

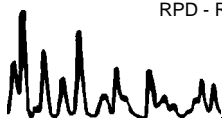
Total number of LCS compounds : 17

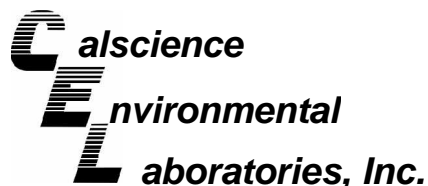
Total number of ME compounds : 0

Total number of ME compounds allowed : 1

LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit





Quality Control - LCS/LCS Duplicate



GeoSyntec Consultants
10875 Rancho Bernardo Road, Suite 200
San Diego, CA 92127-2116

Date Received: N/A
Work Order No: 09-01-1395
Preparation: EPA 5030B
Method: EPA 8260B

Project: Teledyne Ryan

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number		
099-10-006-28,211	Aqueous	GC/MS XX	01/23/09	01/23/09	090123L01		
Parameter	LCS %REC	LCSD %REC	%REC CL	ME CL	RPD	RPD CL	Qualifiers
Benzene	91	91	84-120	78-126	0	0-8	
Carbon Tetrachloride	82	83	63-147	49-161	1	0-10	
Chlorobenzene	98	99	89-119	84-124	0	0-7	
1,2-Dibromoethane	98	99	80-120	73-127	2	0-20	
1,2-Dichlorobenzene	105	104	89-119	84-124	1	0-9	
1,1-Dichloroethene	79	81	77-125	69-133	2	0-16	
Ethylbenzene	106	106	80-120	73-127	0	0-20	
Toluene	93	92	83-125	76-132	1	0-9	
Trichloroethene	90	92	89-119	84-124	2	0-8	
Vinyl Chloride	86	86	63-135	51-147	0	0-13	
Methyl-t-Butyl Ether (MTBE)	84	86	82-118	76-124	3	0-13	
Tert-Butyl Alcohol (TBA)	78	80	46-154	28-172	3	0-32	
Diisopropyl Ether (DIPE)	87	86	81-123	74-130	1	0-11	
Ethyl-t-Butyl Ether (ETBE)	86	87	74-122	66-130	1	0-12	
Tert-Amyl-Methyl Ether (TAME)	94	94	76-124	68-132	0	0-10	
Ethanol	78	71	60-138	47-151	9	0-32	

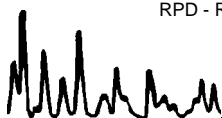
Total number of LCS compounds : 16

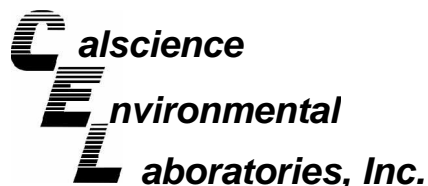
Total number of ME compounds : 0

Total number of ME compounds allowed : 1

LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit





Quality Control - LCS/LCS Duplicate



GeoSyntec Consultants
10875 Rancho Bernardo Road, Suite 200
San Diego, CA 92127-2116

Date Received: N/A
Work Order No: 09-01-1395
Preparation: EPA 5030B
Method: EPA 8260B

Project: Teledyne Ryan

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number		
099-10-006-28,209	Aqueous	GC/MS VV	01/23/09	01/23/09	090123L01		
Parameter	LCS %REC	LCSD %REC	%REC CL	ME CL	RPD	RPD CL	Qualifiers
Benzene	99	100	84-120	78-126	1	0-8	
Carbon Tetrachloride	116	117	63-147	49-161	0	0-10	
Chlorobenzene	99	101	89-119	84-124	2	0-7	
1,2-Dibromoethane	96	97	80-120	73-127	1	0-20	
1,2-Dichlorobenzene	99	99	89-119	84-124	1	0-9	
1,1-Dichloroethene	87	86	77-125	69-133	1	0-16	
Ethylbenzene	99	100	80-120	73-127	1	0-20	
Toluene	93	94	83-125	76-132	1	0-9	
Trichloroethene	100	102	89-119	84-124	2	0-8	
Vinyl Chloride	87	86	63-135	51-147	2	0-13	
Methyl-t-Butyl Ether (MTBE)	85	85	82-118	76-124	0	0-13	
Tert-Butyl Alcohol (TBA)	75	78	46-154	28-172	5	0-32	
Diisopropyl Ether (DIPE)	93	93	81-123	74-130	0	0-11	
Ethyl-t-Butyl Ether (ETBE)	82	83	74-122	66-130	0	0-12	
Tert-Amyl-Methyl Ether (TAME)	82	82	76-124	68-132	1	0-10	
Ethanol	71	79	60-138	47-151	11	0-32	

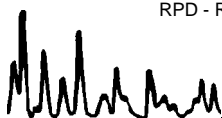
Total number of LCS compounds : 16

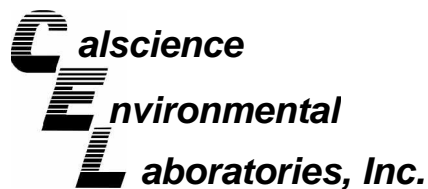
Total number of ME compounds : 0

Total number of ME compounds allowed : 1

LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit





Quality Control - LCS/LCS Duplicate



GeoSyntec Consultants
10875 Rancho Bernardo Road, Suite 200
San Diego, CA 92127-2116

Date Received:
Work Order No:

N/A
09-01-1395

Project: Teledyne Ryan

Matrix: Aqueous

<u>Parameter</u>	<u>Method</u>	<u>Quality Control</u> <u>Sample ID</u>	<u>Date</u> <u>Extracted</u>	<u>Date</u> <u>Analyzed</u>	<u>LCS %</u> <u>REC</u>	<u>LCSD %</u> <u>REC</u>	<u>%REC</u> <u>CL</u>	<u>RPD</u>	<u>RPD</u> <u>CL</u>	<u>Qual</u>
Chloride	EPA 300.0	099-05-118-5,018	N/A	01/17/09	96	96	81-111	1	0-5	
Nitrite (as N)	EPA 300.0	099-05-118-5,018	N/A	01/17/09	89	89	73-115	0	0-26	
Nitrate (as N)	EPA 300.0	099-05-118-5,018	N/A	01/17/09	102	102	87-111	0	0-12	
Sulfate	EPA 300.0	099-05-118-5,018	N/A	01/17/09	104	100	89-107	4	0-13	
Carbon, Total Organic	SM 5310 D	099-05-097-3,243	N/A	01/22/09	90	99	80-120	10	0-20	

RPD - Relative Percent Difference , CL - Control Limit

Work Order Number: 09-01-1395

<u>Qualifier</u>	<u>Definition</u>
*	See applicable analysis comment.
1	Surrogate compound recovery was out of control due to a required sample dilution, therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to matrix interference. The associated LCS and/or LCSD was in control and, therefore, the sample data was reported without further clarification.
4	The MS/MSD RPD was out of control due to matrix interference. The LCS/LCSD RPD was in control and, therefore, the sample data was reported without further clarification.
5	The PDS/PDSD associated with this batch of samples was out of control due to a matrix interference effect. The associated batch LCS/LCSD was in control and, hence, the associated sample data was reported with no further corrective action required.
A	Result is the average of all dilutions, as defined by the method.
B	Analyte was present in the associated method blank.
C	Analyte presence was not confirmed on primary column.
E	Concentration exceeds the calibration range.
H	Sample received and/or analyzed past the recommended holding time.
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
ME	LCS Recovery Percentage is within LCS ME Control Limit range.
N	Nontarget Analyte.
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
U	Undetected at the laboratory method detection limit.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.



BLAINE

1680 ROGERS AVENUE
 SAN JOSE, CALIFORNIA 95112-1105
 FAX (408) 573-7774
 PHONE (408) 573-0555

TECH SERVICES, INC.

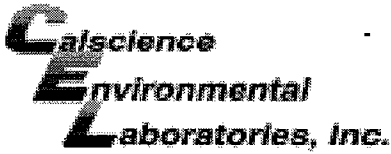
CHAIN OF CUSTODY
 CLIENT: Geosyntec
 SITE: Teledyne Ryan
 2701 N. Harbor Drive
 San Diego, CA

1395

LAB: CatScience
 SPECIAL INSTRUCTIONS:
 *Modified 8270= GC/MS isotope dilution to achieve 2ug/L detection limits
 **EISB= TOC, sulfate, sulfide, nitrate, nitrite, chloride, and organic acids
 Brian Hitchens
 Geosyntec: 10875 Rancho Bernardo Rd, suite 200
 San Diego, CA 92127
 (858) 674-6559

SAMPLE I.D.	DATE	TIME	MATRIX S = Soil W = H2O	CONTAINERS	CONDUCT ANALYSIS TO DETECT							ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #
					VOCs by 8260B	Ethene/Ethane/Methane (RSK 175)	SVOCs 8270 SIM Super	TPH (8015)	PCBs (1668A)	Metals (6010B/7470A)	1,4-Dioxane (Modified 8270)*				
MULL-1	1-16-09	0915	W		X	X	X	X	X	X	X				
MULL-2		0503			X	X	X	X	X	X	X				
MULL-3		1117			X	X	X	X	X	X	X				
MULL-4		1019			X	X	X	X	X	X	X				
BLDDB-MW1		1310			X	X	X	X	X	X	X				
BLDDB-MW6		1219			X	X	X	X	X	X	X				
BLDDB-MW6		1413			X	X	X	X	X	X	X				
CEEB-6		1330			X	X	X	X	X	X	X				

SAMPLING COMPLETED	DATE	TIME	SAMPLING PERFORMED BY	RECEIVED BY	DATE	TIME
	1-16-09	1413	Ke-14 Sy	CEL	1-16-09	1429
				WCOB	1-16-09	1705



WORK ORDER #: 09-01-1395

SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: Blaine Tech

DATE: 1/16/19

TEMPERATURE: (Criteria: 0.0°C – 6.0°C, not frozen)

Temperature 1.8 °C - 0.2°C (CF) = 1.6 °C Blank Sample

Sample(s) outside temperature criteria (PM/APM contacted by: _____).

Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling.

Received at ambient temperature, placed on ice for transport by Courier.

Ambient Temperature: Air Filter Metals Only PCBs Only Initial: [Signature]

CUSTODY SEALS INTACT:

Cooler _____ No (Not Intact) Not Present N/A Initial: [Signature]

Sample _____ No (Not Intact) Not Present Initial: DL

SAMPLE CONDITION:	Yes	No	N/A
Chain-Of-Custody (COC) document(s) received with samples.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
COC document(s) received complete.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sampler's name indicated on COC.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sample container label(s) consistent with COC.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sample container(s) intact and good condition.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Correct containers and volume for analyses requested.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Analyses received within holding time.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Proper preservation noted on COC or sample container.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Volatile analysis container(s) free of headspace.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Tedlar bag(s) free of condensation.....	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

CONTAINER TYPE:

Solid: 4ozCGJ 8ozCGJ 16ozCGJ Sleeve EnCores® TerraCores® _____

Water: VOA VOA^h ^{5-7, 1, E for RSK} VOAna₂ 125AGB 125AGBh 125AGBpo₄ 1AGB 1AGBna₂

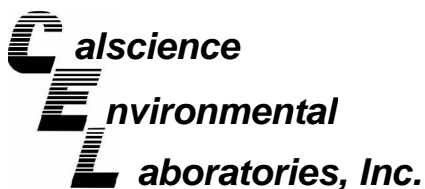
1AGBs 500AGB 500AGBs 250CGB 250CGBs 1PB 500PB 500PBna 250PB

250PBn 125PB 125PBz_{na} 100PBsterile 100PBna₂ 125PBpo₄ _____ _____

Air: Tedlar® Summa® _____ Checked/Labeled by: DL

Container: C:Clear A:Amber P:Poly/Plastic G:Glass J:Jar B:Bottle Reviewed by: W.S.C.

Preservative: h:HCL n:HNO₃ na₂:Na₂S₂O₃ na:NaOH po₄:H₃PO₄ s:H₂SO₄ z_{na}:ZnAc₂+NaOH Scanned by: DL



January 27, 2009

Brian Hitchens
GeoSyntec Consultants
10875 Rancho Bernardo Road, Suite 200
San Diego, CA 92127-2116

Subject: **Calscience Work Order No.: 09-01-1236**
Client Reference: Teledyne Ryan

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 1/15/2009 and analyzed in accordance with the attached chain-of-custody.

Unless otherwise noted, all analytical testing was accomplished in accordance with the guidelines established in our Quality Systems Manual, applicable standard operating procedures, and other related documentation. The original report of subcontracted analysis, if any, is provided herein, and follows the standard Calscience data package. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety.

If you have any questions regarding this report, please do not hesitate to contact the undersigned.

Sincerely,

A handwritten signature in black ink, appearing to read "S. Nowak".

Calscience Environmental
Laboratories, Inc.
Stephen Nowak
Project Manager

Analytical Report



GeoSyntec Consultants
10875 Rancho Bernardo Road, Suite 200
San Diego, CA 92127-2116

Date Received: 01/15/09
Work Order No: 09-01-1236
Preparation: N/A
Method: RSK-175M

Project: Teledyne Ryan

Page 1 of 2

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
BLD120-MW7	09-01-1236-1-D	01/15/09 08:07	Aqueous	GC 52	N/A	01/17/09 00:00	090117L01

Comment(s): -Results were evaluated to the MDL, concentrations \geq to the MDL but $<$ RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units
Ethane	2.19	1.00	0.00547	1		ug/L
Ethylene	103	1.00	0.0933	1		ug/L
Methane	10900	80.0	0.627	80		ug/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
BLD120-MW8	09-01-1236-2-D	01/15/09 11:23	Aqueous	GC 52	N/A	01/17/09 00:00	090117L01

Comment(s): -Results were evaluated to the MDL, concentrations \geq to the MDL but $<$ RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units
Ethane	0.350	1.00	0.00547	1	J	ug/L
Ethylene	5.62	1.00	0.0933	1		ug/L
Methane	10500	80.0	0.627	80		ug/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
BLD120-MW9	09-01-1236-3-D	01/15/09 12:20	Aqueous	GC 52	N/A	01/17/09 00:00	090117L01

Comment(s): -Results were evaluated to the MDL, concentrations \geq to the MDL but $<$ RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units
Ethane	2.07	1.00	0.00547	1		ug/L
Ethylene	35.4	1.00	0.0933	1		ug/L
Methane	94.1	1.00	0.00784	1		ug/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
BLD180-MW2	09-01-1236-4-D	01/15/09 09:13	Aqueous	GC 52	N/A	01/17/09 00:00	090117L01

Comment(s): -Results were evaluated to the MDL, concentrations \geq to the MDL but $<$ RL, if found, are qualified with a "J" flag.

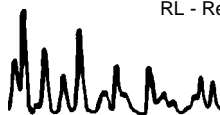
Parameter	Result	RL	MDL	DF	Qual	Units
Ethane	4.02	1.00	0.00547	1		ug/L
Ethylene	17.3	1.00	0.0933	1		ug/L
Methane	992	8.00	0.0627	8		ug/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
FMY-MW1	09-01-1236-5-D	01/15/09 10:23	Aqueous	GC 52	N/A	01/17/09 00:00	090117L01

Comment(s): -Results were evaluated to the MDL, concentrations \geq to the MDL but $<$ RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units
Ethane	0.350	1.00	0.00547	1	J	ug/L
Ethylene	3.55	1.00	0.0933	1		ug/L
Methane	1710	8.00	0.0627	8		ug/L

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Analytical Report



GeoSyntec Consultants
10875 Rancho Bernardo Road, Suite 200
San Diego, CA 92127-2116

Date Received: 01/15/09
Work Order No: 09-01-1236
Preparation: N/A
Method: RSK-175M

Project: Teledyne Ryan

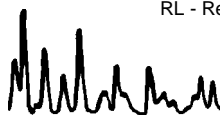
Page 2 of 2

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-12-661-159-A	N/A	Aqueous	GC 52	N/A	01/17/09 00:00	090117L01

Comment(s): -Results were evaluated to the MDL, concentrations \geq to the MDL but $<$ RL, if found, are qualified with a "J" flag.

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>MDL</u>	<u>DF</u>	<u>Qual</u>	<u>Units</u>
Ethane	ND	1.00	0.00547	1		ug/L
Ethylene	ND	1.00	0.0933	1		ug/L
Methane	ND	1.00	0.00784	1		ug/L

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Analytical Report



GeoSyntec Consultants
10875 Rancho Bernardo Road, Suite 200
San Diego, CA 92127-2116

Date Received: 01/15/09
Work Order No: 09-01-1236
Preparation: N/A
Method: HPLC/UV

Project: Teledyne Ryan

Page 1 of 2

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
BLD120-MW7	09-01-1236-1-F	01/15/09 08:07	Aqueous	HPLC 6	N/A	01/22/09 18:07	090116L02

Comment(s): -Results were evaluated to the MDL, concentrations \geq to the MDL but $<$ RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units
Acetic Acid	1200	40	31	40		mg/L
Butyric Acid	93	4.0	3.3	4		mg/L
Lactic Acid	ND	4.0	2.9	4		mg/L
Propionic Acid	28	4.0	3.1	4		mg/L
Pyruvic Acid	ND	2.0	0.37	4		mg/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>			<u>Qual</u>	
Dibromopropionic Acid	92	80-120				

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
BLD120-MW8	09-01-1236-2-F	01/15/09 11:23	Aqueous	HPLC 6	N/A	01/17/09 06:01	090116L02

Comment(s): -Results were evaluated to the MDL, concentrations \geq to the MDL but $<$ RL, if found, are qualified with a "J" flag.

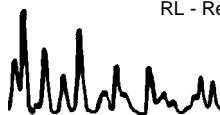
Parameter	Result	RL	MDL	DF	Qual	Units
Acetic Acid	130	10	7.8	10		mg/L
Butyric Acid	32	1.0	0.83	1		mg/L
Lactic Acid	ND	1.0	0.72	1		mg/L
Propionic Acid	33	1.0	0.77	1		mg/L
Pyruvic Acid	ND	0.50	0.091	1		mg/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>			<u>Qual</u>	
Dibromopropionic Acid	97	80-120				

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
BLD120-MW9	09-01-1236-3-F	01/15/09 12:20	Aqueous	HPLC 6	N/A	01/22/09 18:30	090116L02

Comment(s): -Results were evaluated to the MDL, concentrations \geq to the MDL but $<$ RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units
Acetic Acid	720	40	31	40		mg/L
Butyric Acid	60	2.0	1.7	2		mg/L
Lactic Acid	13	2.0	1.4	2		mg/L
Propionic Acid	210	40	31	40		mg/L
Pyruvic Acid	1.3	1.0	0.18	2		mg/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>			<u>Qual</u>	
Dibromopropionic Acid	91	80-120				

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Analytical Report



GeoSyntec Consultants
10875 Rancho Bernardo Road, Suite 200
San Diego, CA 92127-2116

Date Received: 01/15/09
Work Order No: 09-01-1236
Preparation: N/A
Method: HPLC/UV

Project: Teledyne Ryan

Page 2 of 2

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
BLD180-MW2	09-01-1236-4-F	01/15/09 09:13	Aqueous	HPLC 6	N/A	01/22/09 18:53	090116L02

Comment(s): -Results were evaluated to the MDL, concentrations \geq to the MDL but $<$ RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units
Acetic Acid	1300	40	31	40		mg/L
Butyric Acid	130	5.0	4.1	5		mg/L
Lactic Acid	ND	5.0	3.6	5		mg/L
Propionic Acid	270	40	31	40		mg/L
Pyruvic Acid	4.4	2.5	0.46	5		mg/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>			<u>Qual</u>	
Dibromopropionic Acid	91	80-120				

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
FMY-MW1	09-01-1236-5-F	01/15/09 10:23	Aqueous	HPLC 6	N/A	01/22/09 19:16	090116L02

Comment(s): -Results were evaluated to the MDL, concentrations \geq to the MDL but $<$ RL, if found, are qualified with a "J" flag.

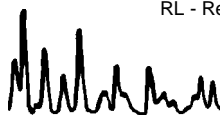
Parameter	Result	RL	MDL	DF	Qual	Units
Acetic Acid	910	40	31	40		mg/L
Butyric Acid	150	5.0	4.1	5		mg/L
Lactic Acid	ND	5.0	3.6	5		mg/L
Propionic Acid	290	40	31	40		mg/L
Pyruvic Acid	ND	2.5	0.46	5		mg/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>			<u>Qual</u>	
Dibromopropionic Acid	91	80-120				

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-12-016-171	N/A	Aqueous	HPLC 6	N/A	01/16/09 23:31	090116L02

Comment(s): -Results were evaluated to the MDL, concentrations \geq to the MDL but $<$ RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units
Acetic Acid	ND	1.0	0.78	1		mg/L
Butyric Acid	ND	1.0	0.83	1		mg/L
Lactic Acid	ND	1.0	0.72	1		mg/L
Propionic Acid	ND	1.0	0.77	1		mg/L
Pyruvic Acid	ND	0.50	0.091	1		mg/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>			<u>Qual</u>	
Dibromopropionic Acid	91	80-120				

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Analytical Report



GeoSyntec Consultants
10875 Rancho Bernardo Road, Suite 200
San Diego, CA 92127-2116

Date Received: 01/15/09
Work Order No: 09-01-1236
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/L

Project: Teledyne Ryan

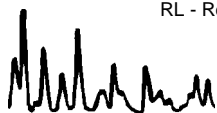
Page 1 of 7

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
BLD120-MW7	09-01-1236-1-B	01/15/09 08:07	Aqueous	GC/MS VV	01/20/09	01/20/09 19:34	090120L01

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	36	50	9.1	1	J	1,3-Dichloropropane	ND	1.0	0.38	1	
Benzene	0.79	0.50	0.28	1		2,2-Dichloropropane	ND	1.0	0.46	1	
Bromobenzene	ND	1.0	0.33	1		1,1-Dichloropropene	ND	1.0	0.26	1	
Bromochloromethane	ND	1.0	0.69	1		c-1,3-Dichloropropene	ND	0.50	0.28	1	
Bromodichloromethane	ND	1.0	0.33	1		t-1,3-Dichloropropene	ND	0.50	0.36	1	
Bromoform	ND	1.0	0.55	1		Ethylbenzene	ND	1.0	0.22	1	
Bromomethane	ND	10	4.3	1		2-Hexanone	ND	10	6.9	1	
2-Butanone	ND	10	6.9	1		Isopropylbenzene	ND	1.0	0.23	1	
n-Butylbenzene	ND	1.0	0.28	1		p-Isopropyltoluene	ND	1.0	0.26	1	
sec-Butylbenzene	ND	1.0	0.20	1		Methylene Chloride	ND	10	2.6	1	
tert-Butylbenzene	ND	1.0	0.28	1		4-Methyl-2-Pentanone	ND	10	4.4	1	
Carbon Disulfide	ND	10	1.9	1		Naphthalene	ND	10	2.5	1	
Carbon Tetrachloride	ND	0.50	0.43	1		n-Propylbenzene	ND	1.0	0.79	1	
Chlorobenzene	ND	1.0	0.22	1		Styrene	ND	1.0	0.30	1	
Chloroethane	ND	5.0	1.3	1		1,1,1,2-Tetrachloroethane	ND	1.0	0.35	1	
Chloroform	ND	1.0	0.33	1		1,1,2,2-Tetrachloroethane	ND	1.0	0.44	1	
Chloromethane	ND	10	0.49	1		Tetrachloroethene	ND	1.0	0.51	1	
2-Chlorotoluene	ND	1.0	0.55	1		Toluene	0.37	1.0	0.33	1	J
4-Chlorotoluene	ND	1.0	0.21	1		1,2,3-Trichlorobenzene	ND	1.0	0.31	1	
Dibromochloromethane	ND	1.0	0.48	1		1,2,4-Trichlorobenzene	ND	1.0	0.49	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	3.1	1		1,1,1-Trichloroethane	ND	1.0	0.45	1	
1,2-Dibromoethane	ND	1.0	0.47	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.64	1	
Dibromomethane	ND	1.0	0.59	1		1,1,2-Trichloroethane	ND	1.0	0.54	1	
1,2-Dichlorobenzene	ND	1.0	0.27	1		Trichloroethene	ND	1.0	0.30	1	
1,3-Dichlorobenzene	ND	1.0	0.28	1		Trichlorofluoromethane	ND	10	0.31	1	
1,4-Dichlorobenzene	ND	1.0	0.21	1		1,2,3-Trichloropropane	ND	5.0	1.3	1	
Dichlorodifluoromethane	ND	1.0	0.49	1		1,2,4-Trimethylbenzene	ND	1.0	0.24	1	
1,1-Dichloroethane	0.50	1.0	0.37	1	J	1,3,5-Trimethylbenzene	ND	1.0	0.23	1	
1,2-Dichloroethane	ND	0.50	0.31	1		Vinyl Acetate	ND	10	7.1	1	
1,1-Dichloroethene	ND	1.0	0.40	1		Vinyl Chloride	2.3	0.50	0.33	1	
c-1,2-Dichloroethene	3.0	1.0	0.49	1		p/m-Xylene	ND	1.0	0.45	1	
t-1,2-Dichloroethene	2.7	1.0	0.40	1		o-Xylene	ND	1.0	0.24	1	
1,2-Dichloropropane	ND	1.0	0.38	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.30	1	
Surrogates:	REC (%)	Control Limits			Qual	Surrogates:	REC (%)	I Limits			Qual
Dibromofluoromethane	105	82-130				1,2-Dichloroethane-d4	101	75-141			
Toluene-d8	102	83-113				1,4-Bromofluorobenzene	99	70-118			

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Analytical Report



GeoSyntec Consultants
10875 Rancho Bernardo Road, Suite 200
San Diego, CA 92127-2116

Date Received: 01/15/09
Work Order No: 09-01-1236
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/L

Project: Teledyne Ryan

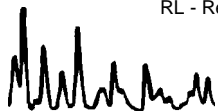
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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
BLD120-MW8	09-01-1236-2-B	01/15/09 11:23	Aqueous	GC/MS VV	01/20/09	01/20/09 20:00	090120L01

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	180	100	18	2		1,3-Dichloropropane	ND	2.0	0.76	2	
Benzene	ND	1.0	0.57	2		2,2-Dichloropropane	ND	2.0	0.92	2	
Bromobenzene	ND	2.0	0.67	2		1,1-Dichloropropene	ND	2.0	0.51	2	
Bromochloromethane	ND	2.0	1.4	2		c-1,3-Dichloropropene	ND	1.0	0.57	2	
Bromodichloromethane	ND	2.0	0.66	2		t-1,3-Dichloropropene	ND	1.0	0.72	2	
Bromoform	ND	2.0	1.1	2		Ethylbenzene	ND	2.0	0.44	2	
Bromomethane	ND	20	8.6	2		2-Hexanone	ND	20	14	2	
2-Butanone	ND	20	14	2		Isopropylbenzene	ND	2.0	0.45	2	
n-Butylbenzene	ND	2.0	0.55	2		p-Isopropyltoluene	ND	2.0	0.52	2	
sec-Butylbenzene	ND	2.0	0.41	2		Methylene Chloride	ND	20	5.2	2	
tert-Butylbenzene	ND	2.0	0.55	2		4-Methyl-2-Pentanone	ND	20	8.8	2	
Carbon Disulfide	ND	20	3.8	2		Naphthalene	ND	20	5.1	2	
Carbon Tetrachloride	ND	1.0	0.85	2		n-Propylbenzene	ND	2.0	1.6	2	
Chlorobenzene	ND	2.0	0.44	2		Styrene	ND	2.0	0.60	2	
Chloroethane	ND	10	2.6	2		1,1,1,2-Tetrachloroethane	ND	2.0	0.70	2	
Chloroform	ND	2.0	0.66	2		1,1,2,2-Tetrachloroethane	ND	2.0	0.88	2	
Chloromethane	ND	20	0.97	2		Tetrachloroethene	2.3	2.0	1.0	2	
2-Chlorotoluene	ND	2.0	1.1	2		Toluene	ND	2.0	0.65	2	
4-Chlorotoluene	ND	2.0	0.42	2		1,2,3-Trichlorobenzene	ND	2.0	0.61	2	
Dibromochloromethane	ND	2.0	0.97	2		1,2,4-Trichlorobenzene	ND	2.0	0.97	2	
1,2-Dibromo-3-Chloropropane	ND	10	6.2	2		1,1,1-Trichloroethane	ND	2.0	0.90	2	
1,2-Dibromoethane	ND	2.0	0.93	2		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	20	1.3	2	
Dibromomethane	ND	2.0	1.2	2		1,1,2-Trichloroethane	ND	2.0	1.1	2	
1,2-Dichlorobenzene	ND	2.0	0.54	2		Trichloroethene	3.1	2.0	0.61	2	
1,3-Dichlorobenzene	ND	2.0	0.57	2		Trichlorofluoromethane	ND	20	0.62	2	
1,4-Dichlorobenzene	ND	2.0	0.42	2		1,2,3-Trichloropropane	ND	10	2.7	2	
Dichlorodifluoromethane	ND	2.0	0.98	2		1,2,4-Trimethylbenzene	ND	2.0	0.49	2	
1,1-Dichloroethane	ND	2.0	0.75	2		1,3,5-Trimethylbenzene	ND	2.0	0.46	2	
1,2-Dichloroethane	ND	1.0	0.63	2		Vinyl Acetate	ND	20	14	2	
1,1-Dichloroethene	5.7	2.0	0.80	2		Vinyl Chloride	11	1.0	0.65	2	
c-1,2-Dichloroethene	88	2.0	0.97	2		p/m-Xylene	ND	2.0	0.91	2	
t-1,2-Dichloroethene	ND	2.0	0.81	2		o-Xylene	ND	2.0	0.47	2	
1,2-Dichloropropane	ND	2.0	0.76	2		Methyl-t-Butyl Ether (MTBE)	ND	2.0	0.61	2	
Surrogates:	REC (%)	Control Limits		Qual		Surrogates:	REC (%)	I Limits		Qual	
Dibromofluoromethane	107	82-130				1,2-Dichloroethane-d4	105	75-141			
Toluene-d8	102	83-113				1,4-Bromofluorobenzene	98	70-118			

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Analytical Report



GeoSyntec Consultants
10875 Rancho Bernardo Road, Suite 200
San Diego, CA 92127-2116

Date Received: 01/15/09
Work Order No: 09-01-1236
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/L

Project: Teledyne Ryan

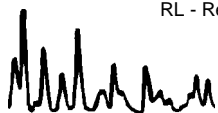
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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
BLD120-MW9	09-01-1236-3-A	01/15/09 12:20	Aqueous	GC/MS O	01/19/09	01/19/09 19:53	090119L01

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	500	91	10		1,3-Dichloropropane	ND	10	3.8	10	
Benzene	ND	5.0	2.8	10		2,2-Dichloropropane	ND	10	4.6	10	
Bromobenzene	ND	10	3.3	10		1,1-Dichloropropene	ND	10	2.6	10	
Bromochloromethane	ND	10	6.9	10		c-1,3-Dichloropropene	ND	5.0	2.8	10	
Bromodichloromethane	ND	10	3.3	10		t-1,3-Dichloropropene	ND	5.0	3.6	10	
Bromoform	ND	10	5.5	10		Ethylbenzene	ND	10	2.2	10	
Bromomethane	ND	100	43	10		2-Hexanone	ND	100	69	10	
2-Butanone	ND	100	69	10		Isopropylbenzene	ND	10	2.3	10	
n-Butylbenzene	ND	10	2.8	10		p-Isopropyltoluene	ND	10	2.6	10	
sec-Butylbenzene	ND	10	2.0	10		Methylene Chloride	ND	100	26	10	
tert-Butylbenzene	ND	10	2.8	10		4-Methyl-2-Pentanone	ND	100	44	10	
Carbon Disulfide	ND	100	19	10		Naphthalene	ND	100	25	10	
Carbon Tetrachloride	ND	5.0	4.3	10		n-Propylbenzene	ND	10	7.9	10	
Chlorobenzene	ND	10	2.2	10		Styrene	ND	10	3.0	10	
Chloroethane	ND	50	13	10		1,1,1,2-Tetrachloroethane	ND	10	3.5	10	
Chloroform	10	10	3.3	10	J	1,1,2,2-Tetrachloroethane	ND	10	4.4	10	
Chloromethane	ND	100	4.9	10		Tetrachloroethene	46	10	5.1	10	
2-Chlorotoluene	ND	10	5.5	10		Toluene	ND	10	3.3	10	
4-Chlorotoluene	ND	10	2.1	10		1,2,3-Trichlorobenzene	ND	10	3.1	10	
Dibromochloromethane	ND	10	4.8	10		1,2,4-Trichlorobenzene	ND	10	4.9	10	
1,2-Dibromo-3-Chloropropane	ND	50	31	10		1,1,1-Trichloroethane	ND	10	4.5	10	
1,2-Dibromoethane	ND	10	4.7	10		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	100	6.4	10	
Dibromomethane	ND	10	5.9	10		1,1,2-Trichloroethane	ND	10	5.4	10	
1,2-Dichlorobenzene	ND	10	2.7	10		Trichloroethene	31	10	3.0	10	
1,3-Dichlorobenzene	ND	10	2.8	10		Trichlorofluoromethane	ND	100	3.1	10	
1,4-Dichlorobenzene	ND	10	2.1	10		1,2,3-Trichloropropane	ND	50	13	10	
Dichlorodifluoromethane	ND	10	4.9	10		1,2,4-Trimethylbenzene	ND	10	2.4	10	
1,1-Dichloroethane	18	10	3.7	10		1,3,5-Trimethylbenzene	ND	10	2.3	10	
1,2-Dichloroethane	ND	5.0	3.1	10		Vinyl Acetate	ND	100	71	10	
1,1-Dichloroethene	32	10	4.0	10		Vinyl Chloride	240	5.0	3.3	10	
c-1,2-Dichloroethene	2900	100	49	100		p/m-Xylene	ND	10	4.5	10	
t-1,2-Dichloroethene	11	10	4.0	10		o-Xylene	ND	10	2.4	10	
1,2-Dichloropropane	ND	10	3.8	10		Methyl-t-Butyl Ether (MTBE)	ND	10	3.0	10	
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>			<u>Qual</u>	<u>Surrogates:</u>	<u>REC (%)</u>	<u>I Limits</u>			<u>Qual</u>
Dibromofluoromethane	98	82-130				1,2-Dichloroethane-d4	90	75-141			
Toluene-d8	104	83-113				1,4-Bromofluorobenzene	97	70-118			

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Analytical Report



GeoSyntec Consultants
10875 Rancho Bernardo Road, Suite 200
San Diego, CA 92127-2116

Date Received: 01/15/09
Work Order No: 09-01-1236
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/L

Project: Teledyne Ryan

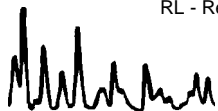
Page 4 of 7

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
BLD180-MW2	09-01-1236-4-A	01/15/09 09:13	Aqueous	GC/MS O	01/19/09	01/19/09 20:21	090119L01

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	890	500	91	10		1,3-Dichloropropane	ND	10	3.8	10	
Benzene	ND	5.0	2.8	10		2,2-Dichloropropane	ND	10	4.6	10	
Bromobenzene	ND	10	3.3	10		1,1-Dichloropropene	ND	10	2.6	10	
Bromochloromethane	ND	10	6.9	10		c-1,3-Dichloropropene	ND	5.0	2.8	10	
Bromodichloromethane	ND	10	3.3	10		t-1,3-Dichloropropene	ND	5.0	3.6	10	
Bromoform	ND	10	5.5	10		Ethylbenzene	ND	10	2.2	10	
Bromomethane	ND	100	43	10		2-Hexanone	ND	100	69	10	
2-Butanone	ND	100	69	10		Isopropylbenzene	ND	10	2.3	10	
n-Butylbenzene	ND	10	2.8	10		p-Isopropyltoluene	ND	10	2.6	10	
sec-Butylbenzene	ND	10	2.0	10		Methylene Chloride	ND	100	26	10	
tert-Butylbenzene	ND	10	2.8	10		4-Methyl-2-Pentanone	ND	100	44	10	
Carbon Disulfide	ND	100	19	10		Naphthalene	ND	100	25	10	
Carbon Tetrachloride	ND	5.0	4.3	10		n-Propylbenzene	ND	10	7.9	10	
Chlorobenzene	ND	10	2.2	10		Styrene	ND	10	3.0	10	
Chloroethane	ND	50	13	10		1,1,1,2-Tetrachloroethane	ND	10	3.5	10	
Chloroform	3.7	10	3.3	10	J	1,1,2,2-Tetrachloroethane	ND	10	4.4	10	
Chloromethane	ND	100	4.9	10		Tetrachloroethene	ND	10	5.1	10	
2-Chlorotoluene	ND	10	5.5	10		Toluene	ND	10	3.3	10	
4-Chlorotoluene	ND	10	2.1	10		1,2,3-Trichlorobenzene	ND	10	3.1	10	
Dibromochloromethane	ND	10	4.8	10		1,2,4-Trichlorobenzene	ND	10	4.9	10	
1,2-Dibromo-3-Chloropropane	ND	50	31	10		1,1,1-Trichloroethane	ND	10	4.5	10	
1,2-Dibromoethane	ND	10	4.7	10		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	100	6.4	10	
Dibromomethane	ND	10	5.9	10		1,1,2-Trichloroethane	ND	10	5.4	10	
1,2-Dichlorobenzene	ND	10	2.7	10		Trichloroethene	ND	10	3.0	10	
1,3-Dichlorobenzene	ND	10	2.8	10		Trichlorofluoromethane	ND	100	3.1	10	
1,4-Dichlorobenzene	ND	10	2.1	10		1,2,3-Trichloropropane	ND	50	13	10	
Dichlorodifluoromethane	ND	10	4.9	10		1,2,4-Trimethylbenzene	ND	10	2.4	10	
1,1-Dichloroethane	ND	10	3.7	10		1,3,5-Trimethylbenzene	ND	10	2.3	10	
1,2-Dichloroethane	ND	5.0	3.1	10		Vinyl Acetate	ND	100	71	10	
1,1-Dichloroethene	ND	10	4.0	10		Vinyl Chloride	16	5.0	3.3	10	
c-1,2-Dichloroethene	ND	10	4.9	10		p/m-Xylene	ND	10	4.5	10	
t-1,2-Dichloroethene	ND	10	4.0	10		o-Xylene	ND	10	2.4	10	
1,2-Dichloropropane	ND	10	3.8	10		Methyl-t-Butyl Ether (MTBE)	ND	10	3.0	10	
Surrogates:	REC (%)	Control Limits			Qual	Surrogates:	REC (%)	I Limits			Qual
Dibromofluoromethane	98	82-130				1,2-Dichloroethane-d4	88	75-141			
Toluene-d8	104	83-113				1,4-Bromofluorobenzene	97	70-118			

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Analytical Report



GeoSyntec Consultants
10875 Rancho Bernardo Road, Suite 200
San Diego, CA 92127-2116

Date Received: 01/15/09
Work Order No: 09-01-1236
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/L

Project: Teledyne Ryan

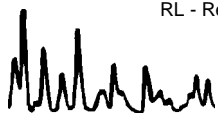
Page 5 of 7

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
FMY-MW1	09-01-1236-5-A	01/15/09 10:23	Aqueous	GC/MS O	01/19/09	01/19/09 20:48	090119L01

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	1200	500	91	10		1,3-Dichloropropane	ND	10	3.8	10	
Benzene	ND	5.0	2.8	10		2,2-Dichloropropane	ND	10	4.6	10	
Bromobenzene	ND	10	3.3	10		1,1-Dichloropropene	ND	10	2.6	10	
Bromochloromethane	ND	10	6.9	10		c-1,3-Dichloropropene	ND	5.0	2.8	10	
Bromodichloromethane	ND	10	3.3	10		t-1,3-Dichloropropene	ND	5.0	3.6	10	
Bromoform	ND	10	5.5	10		Ethylbenzene	ND	10	2.2	10	
Bromomethane	ND	100	43	10		2-Hexanone	ND	100	69	10	
2-Butanone	ND	100	69	10		Isopropylbenzene	ND	10	2.3	10	
n-Butylbenzene	ND	10	2.8	10		p-Isopropyltoluene	ND	10	2.6	10	
sec-Butylbenzene	ND	10	2.0	10		Methylene Chloride	ND	100	26	10	
tert-Butylbenzene	ND	10	2.8	10		4-Methyl-2-Pentanone	ND	100	44	10	
Carbon Disulfide	ND	100	19	10		Naphthalene	ND	100	25	10	
Carbon Tetrachloride	ND	5.0	4.3	10		n-Propylbenzene	ND	10	7.9	10	
Chlorobenzene	ND	10	2.2	10		Styrene	ND	10	3.0	10	
Chloroethane	ND	50	13	10		1,1,1,2-Tetrachloroethane	ND	10	3.5	10	
Chloroform	7.3	10	3.3	10	J	1,1,2,2-Tetrachloroethane	ND	10	4.4	10	
Chloromethane	ND	100	4.9	10		Tetrachloroethene	7.5	10	5.1	10	J
2-Chlorotoluene	ND	10	5.5	10		Toluene	ND	10	3.3	10	
4-Chlorotoluene	ND	10	2.1	10		1,2,3-Trichlorobenzene	ND	10	3.1	10	
Dibromochloromethane	ND	10	4.8	10		1,2,4-Trichlorobenzene	ND	10	4.9	10	
1,2-Dibromo-3-Chloropropane	ND	50	31	10		1,1,1-Trichloroethane	ND	10	4.5	10	
1,2-Dibromoethane	ND	10	4.7	10		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	100	6.4	10	
Dibromomethane	ND	10	5.9	10		1,1,2-Trichloroethane	ND	10	5.4	10	
1,2-Dichlorobenzene	ND	10	2.7	10		Trichloroethene	ND	10	3.0	10	
1,3-Dichlorobenzene	ND	10	2.8	10		Trichlorofluoromethane	ND	100	3.1	10	
1,4-Dichlorobenzene	ND	10	2.1	10		1,2,3-Trichloropropane	ND	50	13	10	
Dichlorodifluoromethane	ND	10	4.9	10		1,2,4-Trimethylbenzene	ND	10	2.4	10	
1,1-Dichloroethane	ND	10	3.7	10		1,3,5-Trimethylbenzene	ND	10	2.3	10	
1,2-Dichloroethane	ND	5.0	3.1	10		Vinyl Acetate	ND	100	71	10	
1,1-Dichloroethene	ND	10	4.0	10		Vinyl Chloride	16	5.0	3.3	10	
c-1,2-Dichloroethene	110	10	4.9	10		p/m-Xylene	ND	10	4.5	10	
t-1,2-Dichloroethene	4.7	10	4.0	10	J	o-Xylene	ND	10	2.4	10	
1,2-Dichloropropane	ND	10	3.8	10		Methyl-t-Butyl Ether (MTBE)	ND	10	3.0	10	
Surrogates:	REC (%)	Control Limits			Qual	Surrogates:	REC (%)	I Limits			Qual
Dibromofluoromethane	101	82-130				1,2-Dichloroethane-d4	93	75-141			
Toluene-d8	104	83-113				1,4-Bromofluorobenzene	96	70-118			

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Analytical Report



GeoSyntec Consultants
10875 Rancho Bernardo Road, Suite 200
San Diego, CA 92127-2116

Date Received: 01/15/09
Work Order No: 09-01-1236
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/L

Project: Teledyne Ryan

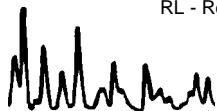
Page 6 of 7

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-10-006-28,146	N/A	Aqueous	GC/MS O	01/19/09	01/19/09 12:38	090119L01

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	50	9.1	1		1,3-Dichloropropane	ND	1.0	0.38	1	
Benzene	ND	0.50	0.28	1		2,2-Dichloropropane	ND	1.0	0.46	1	
Bromobenzene	ND	1.0	0.33	1		1,1-Dichloropropene	ND	1.0	0.26	1	
Bromochloromethane	ND	1.0	0.69	1		c-1,3-Dichloropropene	ND	0.50	0.28	1	
Bromodichloromethane	ND	1.0	0.33	1		t-1,3-Dichloropropene	ND	0.50	0.36	1	
Bromoform	ND	1.0	0.55	1		Ethylbenzene	ND	1.0	0.22	1	
Bromomethane	ND	10	4.3	1		2-Hexanone	ND	10	6.9	1	
2-Butanone	ND	10	6.9	1		Isopropylbenzene	ND	1.0	0.23	1	
n-Butylbenzene	ND	1.0	0.28	1		p-Isopropyltoluene	ND	1.0	0.26	1	
sec-Butylbenzene	ND	1.0	0.20	1		Methylene Chloride	ND	10	2.6	1	
tert-Butylbenzene	ND	1.0	0.28	1		4-Methyl-2-Pentanone	ND	10	4.4	1	
Carbon Disulfide	ND	10	1.9	1		Naphthalene	ND	10	2.5	1	
Carbon Tetrachloride	ND	0.50	0.43	1		n-Propylbenzene	ND	1.0	0.79	1	
Chlorobenzene	ND	1.0	0.22	1		Styrene	ND	1.0	0.30	1	
Chloroethane	ND	5.0	1.3	1		1,1,1,2-Tetrachloroethane	ND	1.0	0.35	1	
Chloroform	ND	1.0	0.33	1		1,1,2,2-Tetrachloroethane	ND	1.0	0.44	1	
Chloromethane	ND	10	0.49	1		Tetrachloroethene	ND	1.0	0.51	1	
2-Chlorotoluene	ND	1.0	0.55	1		Toluene	ND	1.0	0.33	1	
4-Chlorotoluene	ND	1.0	0.21	1		1,2,3-Trichlorobenzene	ND	1.0	0.31	1	
Dibromochloromethane	ND	1.0	0.48	1		1,2,4-Trichlorobenzene	ND	1.0	0.49	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	3.1	1		1,1,1-Trichloroethane	ND	1.0	0.45	1	
1,2-Dibromoethane	ND	1.0	0.47	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.64	1	
Dibromomethane	ND	1.0	0.59	1		1,1,2-Trichloroethane	ND	1.0	0.54	1	
1,2-Dichlorobenzene	ND	1.0	0.27	1		Trichloroethene	ND	1.0	0.30	1	
1,3-Dichlorobenzene	ND	1.0	0.28	1		Trichlorofluoromethane	ND	10	0.31	1	
1,4-Dichlorobenzene	ND	1.0	0.21	1		1,2,3-Trichloropropane	ND	5.0	1.3	1	
Dichlorodifluoromethane	ND	1.0	0.49	1		1,2,4-Trimethylbenzene	ND	1.0	0.24	1	
1,1-Dichloroethane	ND	1.0	0.37	1		1,3,5-Trimethylbenzene	ND	1.0	0.23	1	
1,2-Dichloroethane	ND	0.50	0.31	1		Vinyl Acetate	ND	10	7.1	1	
1,1-Dichloroethene	ND	1.0	0.40	1		Vinyl Chloride	ND	0.50	0.33	1	
c-1,2-Dichloroethene	ND	1.0	0.49	1		p/m-Xylene	ND	1.0	0.45	1	
t-1,2-Dichloroethene	ND	1.0	0.40	1		o-Xylene	ND	1.0	0.24	1	
1,2-Dichloropropane	ND	1.0	0.38	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.30	1	
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>			<u>Qual</u>	<u>Surrogates:</u>	<u>REC (%)</u>	<u>I Limits</u>			<u>Qual</u>
Dibromofluoromethane	101	82-130				1,2-Dichloroethane-d4	95	75-141			
Toluene-d8	101	83-113				1,4-Bromofluorobenzene	97	70-118			

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Analytical Report



GeoSyntec Consultants
10875 Rancho Bernardo Road, Suite 200
San Diego, CA 92127-2116

Date Received: 01/15/09
Work Order No: 09-01-1236
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/L

Project: Teledyne Ryan

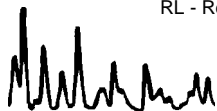
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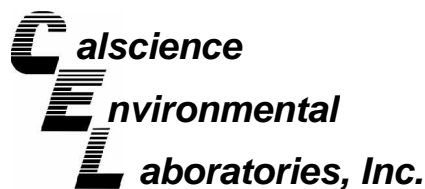
Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-10-006-28,157	N/A	Aqueous	GC/MS VV	01/20/09	01/20/09 12:35	090120L01

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	50	9.1	1		1,3-Dichloropropane	ND	1.0	0.38	1	
Benzene	ND	0.50	0.28	1		2,2-Dichloropropane	ND	1.0	0.46	1	
Bromobenzene	ND	1.0	0.33	1		1,1-Dichloropropene	ND	1.0	0.26	1	
Bromochloromethane	ND	1.0	0.69	1		c-1,3-Dichloropropene	ND	0.50	0.28	1	
Bromodichloromethane	ND	1.0	0.33	1		t-1,3-Dichloropropene	ND	0.50	0.36	1	
Bromoform	ND	1.0	0.55	1		Ethylbenzene	ND	1.0	0.22	1	
Bromomethane	ND	10	4.3	1		2-Hexanone	ND	10	6.9	1	
2-Butanone	ND	10	6.9	1		Isopropylbenzene	ND	1.0	0.23	1	
n-Butylbenzene	ND	1.0	0.28	1		p-Isopropyltoluene	ND	1.0	0.26	1	
sec-Butylbenzene	ND	1.0	0.20	1		Methylene Chloride	ND	10	2.6	1	
tert-Butylbenzene	ND	1.0	0.28	1		4-Methyl-2-Pentanone	ND	10	4.4	1	
Carbon Disulfide	ND	10	1.9	1		Naphthalene	ND	10	2.5	1	
Carbon Tetrachloride	ND	0.50	0.43	1		n-Propylbenzene	ND	1.0	0.79	1	
Chlorobenzene	ND	1.0	0.22	1		Styrene	ND	1.0	0.30	1	
Chloroethane	ND	5.0	1.3	1		1,1,1,2-Tetrachloroethane	ND	1.0	0.35	1	
Chloroform	ND	1.0	0.33	1		1,1,2,2-Tetrachloroethane	ND	1.0	0.44	1	
Chloromethane	ND	10	0.49	1		Tetrachloroethene	ND	1.0	0.51	1	
2-Chlorotoluene	ND	1.0	0.55	1		Toluene	ND	1.0	0.33	1	
4-Chlorotoluene	ND	1.0	0.21	1		1,2,3-Trichlorobenzene	ND	1.0	0.31	1	
Dibromochloromethane	ND	1.0	0.48	1		1,2,4-Trichlorobenzene	ND	1.0	0.49	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	3.1	1		1,1,1-Trichloroethane	ND	1.0	0.45	1	
1,2-Dibromoethane	ND	1.0	0.47	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.64	1	
Dibromomethane	ND	1.0	0.59	1		1,1,2-Trichloroethane	ND	1.0	0.54	1	
1,2-Dichlorobenzene	ND	1.0	0.27	1		Trichloroethene	ND	1.0	0.30	1	
1,3-Dichlorobenzene	ND	1.0	0.28	1		Trichlorofluoromethane	ND	10	0.31	1	
1,4-Dichlorobenzene	ND	1.0	0.21	1		1,2,3-Trichloropropane	ND	5.0	1.3	1	
Dichlorodifluoromethane	ND	1.0	0.49	1		1,2,4-Trimethylbenzene	ND	1.0	0.24	1	
1,1-Dichloroethane	ND	1.0	0.37	1		1,3,5-Trimethylbenzene	ND	1.0	0.23	1	
1,2-Dichloroethane	ND	0.50	0.31	1		Vinyl Acetate	ND	10	7.1	1	
1,1-Dichloroethene	ND	1.0	0.40	1		Vinyl Chloride	ND	0.50	0.33	1	
c-1,2-Dichloroethene	ND	1.0	0.49	1		p/m-Xylene	ND	1.0	0.45	1	
t-1,2-Dichloroethene	ND	1.0	0.40	1		o-Xylene	ND	1.0	0.24	1	
1,2-Dichloropropane	ND	1.0	0.38	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.30	1	
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>			<u>Qual</u>	<u>Surrogates:</u>	<u>REC (%)</u>	<u>I Limits</u>			<u>Qual</u>
Dibromofluoromethane	101	82-130				1,2-Dichloroethane-d4	101	75-141			
Toluene-d8	100	83-113				1,4-Bromofluorobenzene	100	70-118			

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers





Analytical Report



GeoSyntec Consultants
10875 Rancho Bernardo Road, Suite 200
San Diego, CA 92127-2116

Date Received: 01/15/09
Work Order No: 09-01-1236

Project: Teledyne Ryan

Page 1 of 2

Client Sample Number	Lab Sample Number	Date Collected	Matrix
BLD120-MW7	09-01-1236-1	01/15/09	Aqueous

Comment(s): (24) Results were evaluated to the MDL, concentrations \geq to the MDL but $<$ RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Chloride	720	100	5.5	100		mg/L	N/A	01/16/09	EPA 300.0
Nitrite (as N) (24)	0.068	0.10	0.015	1	J	mg/L	N/A	01/16/09	EPA 300.0
Nitrate (as N) (24)	ND	0.10	0.028	1		mg/L	N/A	01/16/09	EPA 300.0
Sulfate	2.3	1.0	0.069	1		mg/L	N/A	01/16/09	EPA 300.0
Sulfide, Total	0.70	0.050	0.042	1		mg/L	01/21/09	01/21/09	SM 4500 S2 - D
Carbon, Total Organic	740	50	2.1	100		mg/L	N/A	01/21/09	SM 5310 D

Client Sample Number	Lab Sample Number	Date Collected	Matrix
BLD120-MW8	09-01-1236-2	01/15/09	Aqueous

Comment(s): (24) Results were evaluated to the MDL, concentrations \geq to the MDL but $<$ RL, if found, are qualified with a "J" flag.

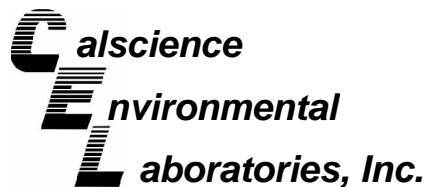
Parameter	Result	RL	MDL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Chloride	33	5.0	0.27	5		mg/L	N/A	01/16/09	EPA 300.0
Nitrite (as N) (24)	0.026	0.10	0.015	1	J	mg/L	N/A	01/16/09	EPA 300.0
Nitrate (as N) (24)	ND	0.10	0.028	1		mg/L	N/A	01/16/09	EPA 300.0
Sulfate	2.0	1.0	0.069	1		mg/L	N/A	01/16/09	EPA 300.0
Sulfide, Total	0.15	0.050	0.042	1		mg/L	01/21/09	01/21/09	SM 4500 S2 - D
Carbon, Total Organic	170	25	1.0	50		mg/L	N/A	01/21/09	SM 5310 D

Client Sample Number	Lab Sample Number	Date Collected	Matrix
BLD120-MW9	09-01-1236-3	01/15/09	Aqueous

Comment(s): (24) Results were evaluated to the MDL, concentrations \geq to the MDL but $<$ RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Chloride	170	50	2.7	50		mg/L	N/A	01/16/09	EPA 300.0
Nitrite (as N) (24)	0.033	0.10	0.015	1	J	mg/L	N/A	01/16/09	EPA 300.0
Nitrate (as N) (24)	ND	0.10	0.028	1		mg/L	N/A	01/16/09	EPA 300.0
Sulfate	1.1	1.0	0.069	1		mg/L	N/A	01/16/09	EPA 300.0
Sulfide, Total	0.30	0.050	0.042	1		mg/L	01/21/09	01/21/09	SM 4500 S2 - D
Carbon, Total Organic	630	50	2.1	100		mg/L	N/A	01/21/09	SM 5310 D

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Analytical Report



GeoSyntec Consultants
10875 Rancho Bernardo Road, Suite 200
San Diego, CA 92127-2116

Date Received: 01/15/09
Work Order No: 09-01-1236

Project: Teledyne Ryan

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Client Sample Number	Lab Sample Number	Date Collected	Matrix
BLD180-MW2	09-01-1236-4	01/15/09	Aqueous

Comment(s): (3) The reporting limit is elevated resulting from matrix interference.

(24) Results were evaluated to the MDL, concentrations \geq to the MDL but $<$ RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Chloride	640	100	5.5	100		mg/L	N/A	01/16/09	EPA 300.0
Nitrite (as N) (3) (24)	0.048	0.20	0.029	2	J	mg/L	N/A	01/16/09	EPA 300.0
Nitrate (as N) (3) (24)	ND	0.20	0.055	2		mg/L	N/A	01/16/09	EPA 300.0
Sulfate (3) (24)	2.0	2.0	0.14	2	J	mg/L	N/A	01/16/09	EPA 300.0
Sulfide, Total	0.70	0.050	0.042	1		mg/L	01/21/09	01/21/09	SM 4500 S2 - D
Carbon, Total Organic	1000	50	2.1	100		mg/L	N/A	01/21/09	SM 5310 D

Client Sample Number	Lab Sample Number	Date Collected	Matrix
FMY-MW1	09-01-1236-5	01/15/09	Aqueous

Comment(s): (24) Results were evaluated to the MDL, concentrations \geq to the MDL but $<$ RL, if found, are qualified with a "J" flag.

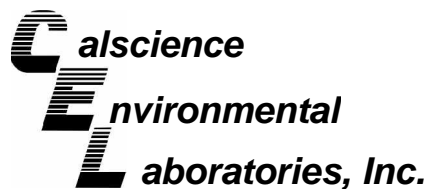
Parameter	Result	RL	MDL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Chloride	470	100	5.5	100		mg/L	N/A	01/16/09	EPA 300.0
Nitrite (as N) (24)	0.035	0.10	0.015	1	J	mg/L	N/A	01/16/09	EPA 300.0
Nitrate (as N) (24)	ND	0.10	0.028	1		mg/L	N/A	01/16/09	EPA 300.0
Sulfate	3.3	1.0	0.069	1		mg/L	N/A	01/16/09	EPA 300.0
Sulfide, Total	6.0	0.15	0.13	3		mg/L	01/21/09	01/21/09	SM 4500 S2 - D
Carbon, Total Organic	950	50	2.1	100		mg/L	N/A	01/21/09	SM 5310 D

Client Sample Number	Lab Sample Number	Date Collected	Matrix
Method Blank		N/A	Aqueous

Comment(s): (24) Results were evaluated to the MDL, concentrations \geq to the MDL but $<$ RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Chloride (24)	ND	1.0	0.055	1		mg/L	N/A	01/16/09	EPA 300.0
Nitrite (as N) (24)	ND	0.10	0.015	1		mg/L	N/A	01/16/09	EPA 300.0
Nitrate (as N) (24)	ND	0.10	0.028	1		mg/L	N/A	01/16/09	EPA 300.0
Sulfate (24)	ND	1.0	0.069	1		mg/L	N/A	01/16/09	EPA 300.0
Sulfide, Total (24)	ND	0.050	0.042	1		mg/L	01/21/09	01/21/09	SM 4500 S2 - D
Carbon, Total Organic (24)	ND	0.50	0.021	1		mg/L	N/A	01/21/09	SM 5310 D

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Quality Control - Spike/Spike Duplicate



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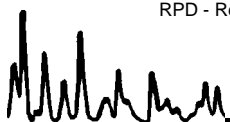
Date Received: 01/15/09
Work Order No: 09-01-1236
Preparation: N/A
Method: HPLC/UV

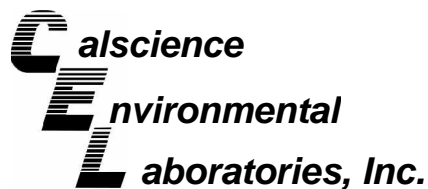
Project Teledyne Ryan

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
09-01-1005-2	Aqueous	HPLC 6	N/A	01/17/09	090116S02

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Acetic Acid	106	114	70-130	4	0-30	
Butyric Acid	105	105	70-130	0	0-30	
Lactic Acid	102	102	70-130	0	0-30	
Propionic Acid	49	53	70-130	1	0-30	3
Pyruvic Acid	80	84	70-130	4	0-30	

RPD - Relative Percent Difference , CL - Control Limit





Quality Control - Spike/Spike Duplicate



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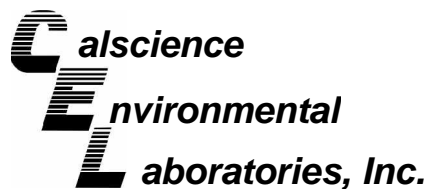
Date Received: 01/15/09
Work Order No: 09-01-1236
Preparation: EPA 5030B
Method: EPA 8260B (8021B List)

Project Teledyne Ryan

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
09-01-0972-2	Aqueous	GC/MS O	01/19/09	01/19/09	090119S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	112	109	88-118	3	0-7	
Carbon Tetrachloride	110	110	67-145	0	0-11	
Chlorobenzene	111	112	88-118	1	0-7	
1,2-Dibromoethane	110	113	70-130	3	0-30	
1,2-Dichlorobenzene	110	108	86-116	2	0-8	
1,1-Dichloroethene	107	108	70-130	2	0-25	
Ethylbenzene	115	114	70-130	1	0-30	
Toluene	116	115	87-123	1	0-8	
Trichloroethene	108	105	79-127	3	0-10	
Vinyl Chloride	84	89	69-129	6	0-13	
Methyl-t-Butyl Ether (MTBE)	98	96	71-131	2	0-13	
Tert-Butyl Alcohol (TBA)	98	102	36-168	4	0-45	
Diisopropyl Ether (DIPE)	103	103	81-123	0	0-9	
Ethyl-t-Butyl Ether (ETBE)	100	101	72-126	1	0-12	
Tert-Amyl-Methyl Ether (TAME)	103	104	72-126	1	0-12	
Ethanol	83	92	53-149	9	0-31	

RPD - Relative Percent Difference , CL - Control Limit



Quality Control - Spike/Spike Duplicate



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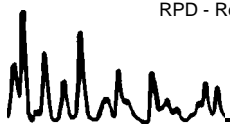
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Work Order No: 09-01-1236
Preparation: EPA 5030B
Method: EPA 8260B

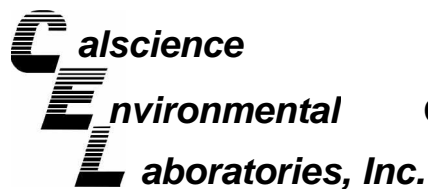
Project Teledyne Ryan

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
09-01-1261-2	Aqueous	GC/MS VV	01/20/09	01/20/09	090120S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	94	90	88-118	4	0-7	
Toluene	99	94	87-123	4	0-8	
Ethylbenzene	101	95	70-130	6	0-30	
Methyl-t-Butyl Ether (MTBE)	84	86	71-131	2	0-13	
Tert-Butyl Alcohol (TBA)	61	63	36-168	4	0-45	
Diisopropyl Ether (DIPE)	88	85	81-123	4	0-9	
Ethyl-t-Butyl Ether (ETBE)	74	75	72-126	2	0-12	
Tert-Amyl-Methyl Ether (TAME)	83	81	72-126	2	0-12	
Ethanol	112	108	53-149	3	0-31	
1,1-Dichloroethene	96	94	70-130	2	0-25	
1,2-Dibromoethane	100	93	70-130	7	0-30	
1,2-Dichlorobenzene	101	96	86-116	6	0-8	
Carbon Tetrachloride	89	91	67-145	1	0-11	
Chlorobenzene	99	94	88-118	5	0-7	
Trichloroethene	93	88	79-127	6	0-10	
Vinyl Chloride	90	91	69-129	1	0-13	

RPD - Relative Percent Difference , CL - Control Limit





Quality Control - Spike/Spike Duplicate



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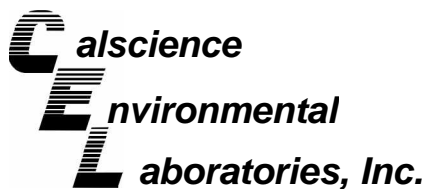
Date Received: N/A
Work Order No: 09-01-1236

Project: Teledyne Ryan

Matrix: Aqueous

<u>Parameter</u>	<u>Method</u>	<u>Quality Control Sample ID</u>	<u>Date Analyzed</u>	<u>Date Extracted</u>	<u>MS% REC</u>	<u>MSD % REC</u>	<u>%REC CL</u>	<u>RPD</u>	<u>RPD CL</u>	<u>Qualifiers</u>
Chloride	EPA 300.0	BLD120-MW7	01/17/09	N/A	124	124	56-134	0	0-3	
Nitrite (as N)	EPA 300.0	BLD120-MW7	01/17/09	N/A	100	100	68-122	0	0-8	
Nitrate (as N)	EPA 300.0	BLD120-MW7	01/17/09	N/A	99	99	58-142	0	0-6	
Sulfate	EPA 300.0	BLD120-MW7	01/17/09	N/A	102	102	49-133	0	0-3	
Carbon, Total Organic	SM 5310 D	09-01-1253-1	01/21/09	N/A	87	81	70-130	4	0-25	

RPD - Relative Percent Difference , CL - Control Limit



Quality Control - Duplicate



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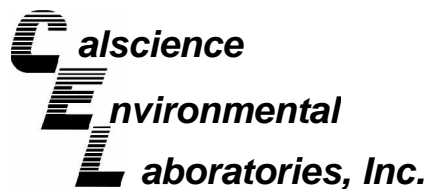
Date Received: N/A
Work Order No: 09-01-1236

Project: Teledyne Ryan

Matrix: Aqueous

<u>Parameter</u>	<u>Method</u>	<u>QC Sample ID</u>	<u>Date Analyzed</u>	<u>Sample Conc</u>	<u>DUP Conc</u>	<u>RPD</u>	<u>RPD CL</u>	<u>Qualifiers</u>
Sulfide, Total	SM 4500 S2 - D	09-01-1253-1	01/21/09	ND	ND	NA	0-25	

RPD - Relative Percent Difference , CL - Control Limit



Quality Control - LCS/LCS Duplicate



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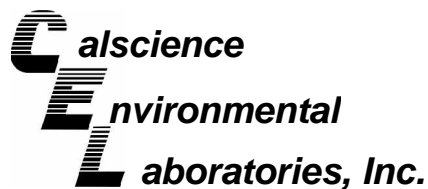
Date Received: N/A
Work Order No: 09-01-1236
Preparation: N/A
Method: RSK-175M

Project: Teledyne Ryan

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-661-159	Aqueous	GC 52	N/A	01/17/09	090117L01

<u>Parameter</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>%REC CL</u>	<u>RPD</u>	<u>RPD CL</u>	<u>Qualifiers</u>
Ethane	90	91	80-120	1	0-20	
Methane	90	91	79-109	1	0-20	

RPD - Relative Percent Difference , CL - Control Limit



Quality Control - LCS/LCS Duplicate



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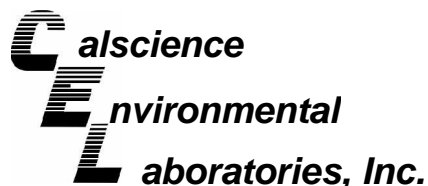
Date Received: N/A
Work Order No: 09-01-1236
Preparation: N/A
Method: HPLC/UV

Project: Teledyne Ryan

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-016-171	Aqueous	HPLC 6	N/A	01/16/09	090116L02

<u>Parameter</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>%REC CL</u>	<u>RPD</u>	<u>RPD CL</u>	<u>Qualifiers</u>
Acetic Acid	101	103	80-120	2	0-20	
Butyric Acid	93	99	80-120	6	0-20	
Lactic Acid	104	103	80-120	1	0-20	
Propionic Acid	103	107	80-120	4	0-20	
Pyruvic Acid	92	92	80-120	0	0-20	

RPD - Relative Percent Difference , CL - Control Limit



Quality Control - LCS/LCS Duplicate



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San Diego, CA 92127-2116

Date Received: N/A
Work Order No: 09-01-1236
Preparation: EPA 5030B
Method: EPA 8260B

Project: Teledyne Ryan

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number		
099-10-006-28,146	Aqueous	GC/MS O	01/19/09	01/19/09	090119L01		
Parameter	LCS %REC	LCSD %REC	%REC CL	ME CL	RPD	RPD CL	Qualifiers
Benzene	109	108	84-120	78-126	0	0-8	
Carbon Tetrachloride	117	111	63-147	49-161	6	0-10	
Chlorobenzene	110	110	89-119	84-124	0	0-7	
1,2-Dibromoethane	112	111	80-120	73-127	1	0-20	
1,2-Dichlorobenzene	109	109	89-119	84-124	0	0-9	
1,1-Dichloroethene	108	108	77-125	69-133	0	0-16	
Ethylbenzene	112	111	80-120	73-127	1	0-20	
Toluene	113	114	83-125	76-132	1	0-9	
Trichloroethene	105	105	89-119	84-124	0	0-8	
Vinyl Chloride	85	87	63-135	51-147	3	0-13	
Methyl-t-Butyl Ether (MTBE)	98	100	82-118	76-124	3	0-13	
Tert-Butyl Alcohol (TBA)	100	104	46-154	28-172	4	0-32	
Diisopropyl Ether (DIPE)	110	102	81-123	74-130	7	0-11	
Ethyl-t-Butyl Ether (ETBE)	106	105	74-122	66-130	1	0-12	
Tert-Amyl-Methyl Ether (TAME)	107	107	76-124	68-132	0	0-10	
Ethanol	101	98	60-138	47-151	3	0-32	

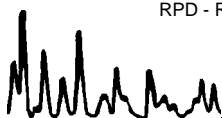
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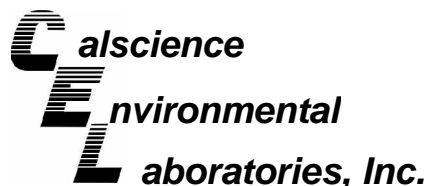
Total number of ME compounds : 0

Total number of ME compounds allowed : 1

LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit





Quality Control - LCS/LCS Duplicate



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San Diego, CA 92127-2116

Date Received: N/A
Work Order No: 09-01-1236
Preparation: EPA 5030B
Method: EPA 8260B

Project: Teledyne Ryan

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number		
099-10-006-28,157	Aqueous	GC/MS VV	01/20/09	01/20/09	090120L01		
Parameter	LCS %REC	LCSD %REC	%REC CL	ME CL	RPD	RPD CL	Qualifiers
Benzene	99	95	84-120	78-126	4	0-8	
Carbon Tetrachloride	90	86	63-147	49-161	4	0-10	
Chlorobenzene	100	98	89-119	84-124	3	0-7	
1,2-Dibromoethane	97	97	80-120	73-127	0	0-20	
1,2-Dichlorobenzene	102	99	89-119	84-124	3	0-9	
1,1-Dichloroethene	110	100	77-125	69-133	9	0-16	
Ethylbenzene	101	98	80-120	73-127	4	0-20	
Toluene	101	98	83-125	76-132	3	0-9	
Trichloroethene	99	97	89-119	84-124	3	0-8	
Vinyl Chloride	90	87	63-135	51-147	4	0-13	
Methyl-t-Butyl Ether (MTBE)	89	92	82-118	76-124	3	0-13	
Tert-Butyl Alcohol (TBA)	50	94	46-154	28-172	62	0-32	X
Diisopropyl Ether (DIPE)	93	91	81-123	74-130	3	0-11	
Ethyl-t-Butyl Ether (ETBE)	75	74	74-122	66-130	1	0-12	
Tert-Amyl-Methyl Ether (TAME)	82	82	76-124	68-132	1	0-10	
Ethanol	105	93	60-138	47-151	12	0-32	

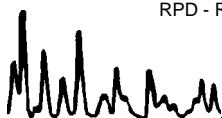
Total number of LCS compounds : 16

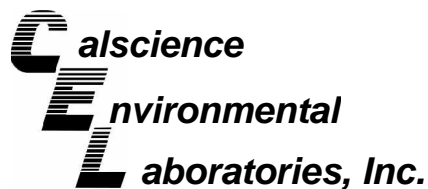
Total number of ME compounds : 0

Total number of ME compounds allowed : 1

LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit





Quality Control - LCS/LCS Duplicate



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Date Received:
Work Order No:

N/A
09-01-1236

Project: Teledyne Ryan

Matrix: Aqueous

<u>Parameter</u>	<u>Method</u>	<u>Quality Control</u> Sample ID	<u>Date</u> <u>Extracted</u>	<u>Date</u> <u>Analyzed</u>	<u>LCS %</u> <u>REC</u>	<u>LCSD %</u> <u>REC</u>	<u>%REC</u> <u>CL</u>	<u>RPD</u>	<u>RPD</u> <u>CL</u>	<u>Qual</u>
Chloride	EPA 300.0	099-05-118-5,011	N/A	01/16/09	96	96	81-111	0	0-5	
Nitrite (as N)	EPA 300.0	099-05-118-5,011	N/A	01/16/09	101	101	73-115	0	0-26	
Nitrate (as N)	EPA 300.0	099-05-118-5,011	N/A	01/16/09	97	97	87-111	0	0-12	
Sulfate	EPA 300.0	099-05-118-5,011	N/A	01/16/09	100	100	89-107	0	0-13	

RPD - Relative Percent Difference , CL - Control Limit



GeoSyntec Consultants
 10875 Rancho Bernardo Road, Suite 200
 San Diego, CA 92127-2116

Date Received: N/A
 Work Order No: 09-01-1236

Project: Teledyne Ryan

Matrix : Aqueous

<u>Parameter</u>	<u>Method</u>	<u>Quality Control Sample ID</u>	<u>Date Analyzed</u>	<u>Date Extracted</u>	<u>Conc. Added</u>	<u>Conc. Recovered</u>	<u>LCS %Rec</u>	<u>%Rec CL</u>	<u>Qualifiers</u>
Carbon, Total Organic	SM 5310 D	099-05-097-3,235	01/21/09	N/A	5.00	5.04	101	80-120	

RPD - Relative Percent Difference , CL - Control Limit

Work Order Number: 09-01-1236

<u>Qualifier</u>	<u>Definition</u>
*	See applicable analysis comment.
1	Surrogate compound recovery was out of control due to a required sample dilution, therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to matrix interference. The associated LCS and/or LCSD was in control and, therefore, the sample data was reported without further clarification.
4	The MS/MSD RPD was out of control due to matrix interference. The LCS/LCSD RPD was in control and, therefore, the sample data was reported without further clarification.
5	The PDS/PDSD associated with this batch of samples was out of control due to a matrix interference effect. The associated batch LCS/LCSD was in control and, hence, the associated sample data was reported with no further corrective action required.
A	Result is the average of all dilutions, as defined by the method.
B	Analyte was present in the associated method blank.
C	Analyte presence was not confirmed on primary column.
E	Concentration exceeds the calibration range.
H	Sample received and/or analyzed past the recommended holding time.
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
ME	LCS Recovery Percentage is within LCS ME Control Limit range.
N	Nontarget Analyte.
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
U	Undetected at the laboratory method detection limit.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.



BLAINE TECH SERVICES, INC.

1680 ROGERS AVENUE
SAN JOSE, CALIFORNIA 95112-1105
FAX (408) 573-7771
PHONE (408) 573-0555

(1236)

CHAIN OF CUSTODY
CLIENT: Geosyntec
SITE: Teledyne Ryan
2701 N. Harbor Drive
San Diego, CA

LAB: CalScience
SPECIAL INSTRUCTIONS:
*Modified 8270= GC/MS isotope dilution to achieve 2ug/L detection limits
**EISB= TOC, sulfate, sulfide, nitrate, nitrite, chloride, and organic acids
Brian Hitchens
Geosyntec: 10875 Rancho Bernardo Rd, suite 200
San Diego, CA 92127
(858) 674-6559

CONDUCT ANALYSIS TO DETECT		EISB Sampling Suite**	STATUS	CONDITION	LAB SAMPLE #
ETHENE/ETHANE/METHANE (RSK 175)	VOCs by 8260B				
SVOCs 8270 SIM Super	TPH (8015)				
PCBs (1668A)					
Metals (6010B/7470A)					
1,4-Dioxane (Modified 8270)*		X			1
Total Chromium/Hexavalent Chromium		X			2
		X			3
		X			4
		X			5

SAMPLE I.D.	DATE	TIME	MATRIX	CONTAINERS	TOTAL
BLD122-MW8	1/15/09	0907	W		9
BLD122-MW8		1123			
BLD122-MW9		1220			
BLD180-MW2		0913			
FMY-MW1		1013			

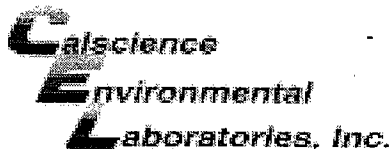
RESULTS NEEDED
NO LATER THAN

RELEASED BY: [Signature] DATE: 1/15/09 TIME: 1450
 RECEIVED BY: CEL DATE: 1/15/09 TIME: 1705

RELEASED BY: [Signature] DATE: 1/15/09 TIME: 1450
 RECEIVED BY: CEL DATE: 1/15/09 TIME: 1705

RELEASED BY: [Signature] DATE: 1/15/09 TIME: 1705
 RECEIVED BY: CEL DATE: 1/15/09 TIME: 1705

SHIPPED VIA: [Signature] DATE SENT: [] TIME SENT: [] COOLER #: []



WORK ORDER #: 09-01-1238

SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: Blaine Tech

DATE: 01/15/09

TEMPERATURE: (Criteria: 0.0°C – 6.0°C, not frozen)

Temperature 1.8 °C - 0.2°C (CF) = 1.6 °C Blank Sample

Sample(s) outside temperature criteria (PM/APM contacted by: _____).

Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling.

Received at ambient temperature, placed on ice for transport by Courier.

Ambient Temperature: Air Filter Metals Only PCBs Only Initial: [Signature]

CUSTODY SEALS INTACT:

Cooler _____ No (Not Intact) Not Present N/A Initial: [Signature]

Sample _____ No (Not Intact) Not Present Initial: ML

SAMPLE CONDITION:

	Yes	No	N/A
Chain-Of-Custody (COC) document(s) received with samples.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
COC document(s) received complete.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sampler's name indicated on COC.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sample container label(s) consistent with COC.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sample container(s) intact and good condition.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Correct containers and volume for analyses requested.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Analyses received within holding time.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Proper preservation noted on COC or sample container.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Volatile analysis container(s) free of headspace.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Tedlar bag(s) free of condensation.....	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

CONTAINER TYPE:

Solid: 4ozCGJ 8ozCGJ 16ozCGJ Sleeve EnCores® TerraCores® _____

Water: VOA VOA^Sh VOAna₂ 125AGB 125AGBh 125AGBpo₄ 1AGB 1AGBna₂

1AGBs 500AGB 500AGBs 250CGB 250CGBs 1PB 500PB 500PBna 250PB

250PBn 125PB 125PBz_{na} 100PBsterile 100PBna₂ _____ _____ _____

Air: Tedlar® Summa® _____

Container: C:Clear A:Amber P:Poly/Plastic G:Glass J:Jar B:Bottle

Preservative: h:HCL n:HNO₃ na₂:Na₂S₂O₃ na:NaOH po₄:H₃PO₄ s:H₂SO₄ z_{na}:ZnAc₂+NaOH

Checked/Labeled by: NC

Reviewed by: AD

Scanned by: ML

January 28, 2009

Brian Hitchens
GeoSyntec Consultants
10875 Rancho Bernardo Road, Suite 200
San Diego, CA 92127-2116

Subject: **Calscience Work Order No.: 09-01-1235**
Client Reference: Teledyne Ryan

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 1/15/2009 and analyzed in accordance with the attached chain-of-custody.

Unless otherwise noted, all analytical testing was accomplished in accordance with the guidelines established in our Quality Systems Manual, applicable standard operating procedures, and other related documentation. The original report of subcontracted analysis, if any, is provided herein, and follows the standard Calscience data package. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety.

If you have any questions regarding this report, please do not hesitate to contact the undersigned.

Sincerely,



Calscience Environmental
Laboratories, Inc.
Stephen Nowak
Project Manager

GeoSyntec Consultants
 10875 Rancho Bernardo Road, Suite 200
 San Diego, CA 92127-2116

Date Received: 01/15/09
 Work Order No: 09-01-1235
 Preparation: N/A
 Method: RSK-175M

Project: Teledyne Ryan

Page 1 of 2

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
BLD120-MW5	09-01-1235-1-E	01/15/09 08:20	Aqueous	GC 52	N/A	01/17/09 00:00	090117L01

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units
Ethane	ND	1.00	0.00547	1		ug/L
Ethylene	ND	1.00	0.0933	1		ug/L
Methane	40.5	1.00	0.00784	1		ug/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
BLD120-MW4	09-01-1235-2-E	01/15/09 09:18	Aqueous	GC 52	N/A	01/17/09 00:00	090117L01

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units
Ethane	ND	1.00	0.00547	1		ug/L
Ethylene	ND	1.00	0.0933	1		ug/L
Methane	9780	80.0	0.627	80		ug/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
BLD131-MW5	09-01-1235-4-E	01/15/09 11:06	Aqueous	GC 52	N/A	01/17/09 00:00	090117L01

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units
Ethane	131	1.00	0.00547	1		ug/L
Ethylene	147	1.00	0.0933	1		ug/L
Methane	7130	80.0	0.627	80		ug/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
BLD120-MW2	09-01-1235-6-E	01/15/09 13:00	Aqueous	GC 52	N/A	01/17/09 00:00	090117L01

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units
Ethane	2.93	1.00	0.00547	1		ug/L
Ethylene	797	8.00	0.747	8		ug/L
Methane	1900	8.00	0.0627	8		ug/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
BLD120-MW3	09-01-1235-7-E	01/15/09 14:01	Aqueous	GC 52	N/A	01/17/09 00:00	090117L01

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units
Ethane	3.52	1.00	0.00547	1		ug/L
Ethylene	53.9	1.00	0.0933	1		ug/L
Methane	1970	8.00	0.0627	8		ug/L

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

GeoSyntec Consultants
 10875 Rancho Bernardo Road, Suite 200
 San Diego, CA 92127-2116

Date Received: 01/15/09
 Work Order No: 09-01-1235
 Preparation: N/A
 Method: RSK-175M

Project: Teledyne Ryan

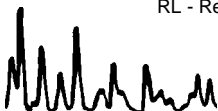
Page 2 of 2

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-12-661-159-A	N/A	Aqueous	GC 52	N/A	01/17/09 00:00	090117L01

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units
Ethane	ND	1.00	0.00547	1		ug/L
Ethylene	ND	1.00	0.0933	1		ug/L
Methane	ND	1.00	0.00784	1		ug/L

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



GeoSyntec Consultants
 10875 Rancho Bernardo Road, Suite 200
 San Diego, CA 92127-2116

Date Received: 01/15/09
 Work Order No: 09-01-1235
 Preparation: EPA 3510C
 Method: EPA 8015B (M)
 Units: ug/L

Project: Teledyne Ryan

Page 1 of 3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
BLD120-MW5	09-01-1235-1-J	01/15/09 08:20	Aqueous	GC 46	01/19/09	01/20/09 06:22	090119B07

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
C6	ND		0.0	1		C21-C22	ND		0.0	1	
C7	ND		0.0	1		C23-C24	ND		0.0	1	
C8	ND		0.0	1		C25-C28	ND		0.0	1	
C9-C10	ND		0.0	1		C29-C32	ND		0.0	1	
C11-C12	ND		0.0	1		C33-C36	ND		0.0	1	
C13-C14	ND		0.0	1		C37-C40	ND		0.0	1	
C15-C16	ND		0.0	1		C41-C44	ND		0.0	1	
C17-C18	ND		0.0	1		C6-C44 Total	ND	500	480	1	
C19-C20	ND		0.0	1							
Surrogates:	REC (%)	Control Limits			Qual						
Decachlorobiphenyl	120	68-140									

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
BLD120-MW4	09-01-1235-2-J	01/15/09 09:18	Aqueous	GC 46	01/19/09	01/20/09 06:37	090119B07

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
C6	ND		0.0	1		C21-C22	ND		0.0	1	
C7	ND		0.0	1		C23-C24	ND		0.0	1	
C8	ND		0.0	1		C25-C28	ND		0.0	1	
C9-C10	ND		0.0	1		C29-C32	ND		0.0	1	
C11-C12	ND		0.0	1		C33-C36	ND		0.0	1	
C13-C14	ND		0.0	1		C37-C40	ND		0.0	1	
C15-C16	ND		0.0	1		C41-C44	ND		0.0	1	
C17-C18	ND		0.0	1		C6-C44 Total	ND	500	480	1	
C19-C20	ND		0.0	1							
Surrogates:	REC (%)	Control Limits			Qual						
Decachlorobiphenyl	108	68-140									

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

GeoSyntec Consultants
 10875 Rancho Bernardo Road, Suite 200
 San Diego, CA 92127-2116

Date Received: 01/15/09
 Work Order No: 09-01-1235
 Preparation: EPA 3510C
 Method: EPA 8015B (M)
 Units: ug/L

Project: Teledyne Ryan

Page 2 of 3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
BLD102-MW4	09-01-1235-3-D	01/15/09 10:23	Aqueous	GC 46	01/19/09	01/20/09 06:52	090119B07

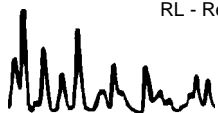
Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
C6	ND		0.0	1		C21-C22	ND		0.0	1	
C7	ND		0.0	1		C23-C24	ND		0.0	1	
C8	ND		0.0	1		C25-C28	ND		0.0	1	
C9-C10	ND		0.0	1		C29-C32	ND		0.0	1	
C11-C12	ND		0.0	1		C33-C36	ND		0.0	1	
C13-C14	ND		0.0	1		C37-C40	ND		0.0	1	
C15-C16	ND		0.0	1		C41-C44	ND		0.0	1	
C17-C18	ND		0.0	1		C6-C44 Total	ND	500	480	1	
C19-C20	ND		0.0	1							
Surrogates:	REC (%)	Control Limits			Qual						
Decachlorobiphenyl	106	68-140									

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
BLD131-MW4	09-01-1235-5-D	01/15/09 11:53	Aqueous	GC 46	01/19/09	01/20/09 07:08	090119B07

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
C6	ND		0.0	1		C21-C22	ND		0.0	1	
C7	ND		0.0	1		C23-C24	ND		0.0	1	
C8	ND		0.0	1		C25-C28	ND		0.0	1	
C9-C10	ND		0.0	1		C29-C32	ND		0.0	1	
C11-C12	ND		0.0	1		C33-C36	ND		0.0	1	
C13-C14	ND		0.0	1		C37-C40	ND		0.0	1	
C15-C16	ND		0.0	1		C41-C44	ND		0.0	1	
C17-C18	ND		0.0	1		C6-C44 Total	ND	500	480	1	
C19-C20	ND		0.0	1							
Surrogates:	REC (%)	Control Limits			Qual						
Decachlorobiphenyl	100	68-140									



GeoSyntec Consultants
 10875 Rancho Bernardo Road, Suite 200
 San Diego, CA 92127-2116

Date Received: 01/15/09
 Work Order No: 09-01-1235
 Preparation: EPA 3510C
 Method: EPA 8015B (M)
 Units: ug/L

Project: Teledyne Ryan

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
BLD120-MW2	09-01-1235-6-J	01/15/09 13:00	Aqueous	GC 46	01/19/09	01/20/09 07:23	090119B07

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
C6	ND		0.0	1		C21-C22	12		0.0	1	
C7	ND		0.0	1		C23-C24	81		0.0	1	
C8	ND		0.0	1		C25-C28	58		0.0	1	
C9-C10	54		0.0	1		C29-C32	ND		0.0	1	
C11-C12	16		0.0	1		C33-C36	ND		0.0	1	
C13-C14	250		0.0	1		C37-C40	ND		0.0	1	
C15-C16	67		0.0	1		C41-C44	ND		0.0	1	
C17-C18	21		0.0	1		C6-C44 Total	560	500	480	1	
C19-C20	5.1		0.0	1							
Surrogates:	REC (%)	Control Limits			Qual						
Decachlorobiphenyl	111	68-140									

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
BLD120-MW3	09-01-1235-7-J	01/15/09 14:01	Aqueous	GC 46	01/19/09	01/20/09 07:39	090119B07

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

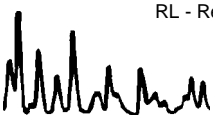
Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
C6	ND		0.0	1		C21-C22	27		0.0	1	
C7	9.9		0.0	1		C23-C24	77		0.0	1	
C8	4.9		0.0	1		C25-C28	210		0.0	1	
C9-C10	270		0.0	1		C29-C32	ND		0.0	1	
C11-C12	310		0.0	1		C33-C36	ND		0.0	1	
C13-C14	340		0.0	1		C37-C40	ND		0.0	1	
C15-C16	44		0.0	1		C41-C44	ND		0.0	1	
C17-C18	27		0.0	1		C6-C44 Total	1300	500	480	1	
C19-C20	ND		0.0	1							
Surrogates:	REC (%)	Control Limits			Qual						
Decachlorobiphenyl	112	68-140									

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-12-308-978	N/A	Aqueous	GC 46	01/19/09	01/20/09 05:04	090119B07

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual
TPH as Diesel	ND	500	480	1	
Surrogates:	REC (%)	Control Limits			Qual
Decachlorobiphenyl	115	68-140			

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



GeoSyntec Consultants
 10875 Rancho Bernardo Road, Suite 200
 San Diego, CA 92127-2116

Date Received: 01/15/09
 Work Order No: 09-01-1235
 Preparation: EPA 3520C
 Method: EPA 8270C(M) Isotope Dilution

Project: Teledyne Ryan

Page 1 of 2

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
BLD120-MW5	09-01-1235-1-K	01/15/09 08:20	Aqueous	GC/MS AAA	01/16/09	01/20/09 11:22	090116L13D

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units
1,4-Dioxane	ND	2.0	0.40	1		ug/L
Surrogates:	<u>REC (%)</u>	<u>Control Limits</u>			<u>Qual</u>	
Nitrobenzene-d5	73	56-123				

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
BLD120-MW4	09-01-1235-2-K	01/15/09 09:18	Aqueous	GC/MS AAA	01/16/09	01/20/09 11:46	090116L13D

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units
1,4-Dioxane	ND	2.0	0.40	1		ug/L
Surrogates:	<u>REC (%)</u>	<u>Control Limits</u>			<u>Qual</u>	
Nitrobenzene-d5	76	56-123				

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
BLD102-MW4	09-01-1235-3-E	01/15/09 10:23	Aqueous	GC/MS AAA	01/16/09	01/20/09 12:10	090116L13D

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units
1,4-Dioxane	4.4	2.0	0.40	1		ug/L
Surrogates:	<u>REC (%)</u>	<u>Control Limits</u>			<u>Qual</u>	
Nitrobenzene-d5	82	56-123				

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
BLD131-MW5	09-01-1235-4-J	01/15/09 11:06	Aqueous	GC/MS AAA	01/16/09	01/20/09 12:34	090116L13D

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units
1,4-Dioxane	1400	20	4.0	10		ug/L
Surrogates:	<u>REC (%)</u>	<u>Control Limits</u>			<u>Qual</u>	
Nitrobenzene-d5	82	56-123				

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

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 San Diego, CA 92127-2116

Date Received: 01/15/09
 Work Order No: 09-01-1235
 Preparation: EPA 3520C
 Method: EPA 8270C(M) Isotope Dilution

Project: Teledyne Ryan

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
BLD131-MW4	09-01-1235-5-E	01/15/09 11:53	Aqueous	GC/MS AAA	01/16/09	01/20/09 12:58	090116L13D

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units
1,4-Dioxane	ND	2.0	0.40	1		ug/L
Surrogates:	REC (%)	Control Limits			Qual	
Nitrobenzene-d5	83	56-123				

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
BLD120-MW2	09-01-1235-6-K	01/15/09 13:00	Aqueous	GC/MS AAA	01/16/09	01/20/09 14:59	090116L13D

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units
1,4-Dioxane	24	2.0	0.40	1		ug/L
Surrogates:	REC (%)	Control Limits			Qual	
Nitrobenzene-d5	121	56-123				

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
BLD120-MW3	09-01-1235-7-K	01/15/09 14:01	Aqueous	GC/MS AAA	01/16/09	01/20/09 13:46	090116L13D

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units
1,4-Dioxane	380	20	4.0	10		ug/L
Surrogates:	REC (%)	Control Limits			Qual	
Nitrobenzene-d5	74	56-123				

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-09-004-1,184	N/A	Aqueous	GC/MS AAA	01/16/09	01/20/09 10:10	090116L13D

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units
1,4-Dioxane	ND	2.0	0.40	1		ug/L
Surrogates:	REC (%)	Control Limits			Qual	
Nitrobenzene-d5	90	56-123				

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

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 San Diego, CA 92127-2116

Date Received: 01/15/09
 Work Order No: 09-01-1235
 Preparation: N/A
 Method: HPLC/UV

Project: Teledyne Ryan

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
BLD120-MW5	09-01-1235-1-G	01/15/09 08:20	Aqueous	HPLC 6	N/A	01/17/09 03:21	090116L02

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units
Acetic Acid	ND	1.0	0.78	1		mg/L
Butyric Acid	ND	1.0	0.83	1		mg/L
Lactic Acid	ND	1.0	0.72	1		mg/L
Propionic Acid	ND	1.0	0.77	1		mg/L
Pyruvic Acid	ND	0.50	0.091	1		mg/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>			<u>Qual</u>	
Dibromopropionic Acid	92	80-120				

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
BLD120-MW4	09-01-1235-2-G	01/15/09 09:18	Aqueous	HPLC 6	N/A	01/17/09 03:44	090116L02

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units
Acetic Acid	20	1.0	0.78	1		mg/L
Butyric Acid	ND	1.0	0.83	1		mg/L
Lactic Acid	ND	1.0	0.72	1		mg/L
Propionic Acid	ND	1.0	0.77	1		mg/L
Pyruvic Acid	ND	0.50	0.091	1		mg/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>			<u>Qual</u>	
Dibromopropionic Acid	92	80-120				

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
BLD131-MW5	09-01-1235-4-G	01/15/09 11:06	Aqueous	HPLC 6	N/A	01/17/09 04:06	090116L02

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units
Acetic Acid	ND	1.0	0.78	1		mg/L
Butyric Acid	ND	1.0	0.83	1		mg/L
Lactic Acid	ND	1.0	0.72	1		mg/L
Propionic Acid	ND	1.0	0.77	1		mg/L
Pyruvic Acid	ND	0.50	0.091	1		mg/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>			<u>Qual</u>	
Dibromopropionic Acid	92	80-120				

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

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 San Diego, CA 92127-2116

Date Received: 01/15/09
 Work Order No: 09-01-1235
 Preparation: N/A
 Method: HPLC/UV

Project: Teledyne Ryan

Page 2 of 2

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
BLD120-MW2	09-01-1235-6-G	01/15/09 13:00	Aqueous	HPLC 6	N/A	01/20/09 17:59	090116L02

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units
Acetic Acid	1200	50	39	50		mg/L
Butyric Acid	120	50	41	50		mg/L
Lactic Acid	ND	50	36	50		mg/L
Propionic Acid	100	50	39	50		mg/L
Pyruvic Acid	ND	25	4.6	50		mg/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>			<u>Qual</u>	
Dibromopropionic Acid	91	80-120				

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
BLD120-MW3	09-01-1235-7-G	01/15/09 14:01	Aqueous	HPLC 6	N/A	01/22/09 17:44	090116L02

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units
Acetic Acid	1700	100	78	100		mg/L
Butyric Acid	150	5.0	4.1	5		mg/L
Lactic Acid	ND	5.0	3.6	5		mg/L
Propionic Acid	880	100	77	100		mg/L
Pyruvic Acid	ND	2.5	0.46	5		mg/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>			<u>Qual</u>	
Dibromopropionic Acid	92	80-120				

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-12-016-171	N/A	Aqueous	HPLC 6	N/A	01/16/09 23:31	090116L02

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units
Acetic Acid	ND	1.0	0.78	1		mg/L
Butyric Acid	ND	1.0	0.83	1		mg/L
Lactic Acid	ND	1.0	0.72	1		mg/L
Propionic Acid	ND	1.0	0.77	1		mg/L
Pyruvic Acid	ND	0.50	0.091	1		mg/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>			<u>Qual</u>	
Dibromopropionic Acid	91	80-120				

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Analytical Report

GeoSyntec Consultants
10875 Rancho Bernardo Road, Suite 200
San Diego, CA 92127-2116

Date Received: 01/15/09
Work Order No: 09-01-1235
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/L

Project: Teledyne Ryan

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
BLD120-MW5	09-01-1235-1-B	01/15/09 08:20	Aqueous	GC/MS QQ	01/20/09	01/21/09 06:59	090120L03

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	50	9.1	1		1,3-Dichloropropane	ND	1.0	0.38	1	
Benzene	ND	0.50	0.28	1		2,2-Dichloropropane	ND	1.0	0.46	1	
Bromobenzene	ND	1.0	0.33	1		1,1-Dichloropropene	ND	1.0	0.26	1	
Bromochloromethane	ND	1.0	0.69	1		c-1,3-Dichloropropene	ND	0.50	0.28	1	
Bromodichloromethane	ND	1.0	0.33	1		t-1,3-Dichloropropene	ND	0.50	0.36	1	
Bromoform	ND	1.0	0.55	1		Ethylbenzene	ND	1.0	0.22	1	
Bromomethane	ND	10	4.3	1		2-Hexanone	ND	10	6.9	1	
2-Butanone	ND	10	6.9	1		Isopropylbenzene	ND	1.0	0.23	1	
n-Butylbenzene	ND	1.0	0.28	1		p-Isopropyltoluene	ND	1.0	0.26	1	
sec-Butylbenzene	ND	1.0	0.20	1		Methylene Chloride	ND	10	2.6	1	
tert-Butylbenzene	ND	1.0	0.28	1		4-Methyl-2-Pentanone	ND	10	4.4	1	
Carbon Disulfide	ND	10	1.9	1		Naphthalene	ND	10	2.5	1	
Carbon Tetrachloride	ND	0.50	0.43	1		n-Propylbenzene	ND	1.0	0.79	1	
Chlorobenzene	ND	1.0	0.22	1		Styrene	ND	1.0	0.30	1	
Chloroethane	ND	5.0	1.3	1		1,1,1,2-Tetrachloroethane	ND	1.0	0.35	1	
Chloroform	0.66	1.0	0.33	1	J	1,1,2,2-Tetrachloroethane	ND	1.0	0.44	1	
Chloromethane	ND	10	0.49	1		Tetrachloroethene	ND	1.0	0.51	1	
2-Chlorotoluene	ND	1.0	0.55	1		Toluene	ND	1.0	0.33	1	
4-Chlorotoluene	ND	1.0	0.21	1		1,2,3-Trichlorobenzene	ND	1.0	0.31	1	
Dibromochloromethane	ND	1.0	0.48	1		1,2,4-Trichlorobenzene	ND	1.0	0.49	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	3.1	1		1,1,1-Trichloroethane	ND	1.0	0.45	1	
1,2-Dibromoethane	ND	1.0	0.47	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.64	1	
Dibromomethane	ND	1.0	0.59	1		1,1,2-Trichloroethane	ND	1.0	0.54	1	
1,2-Dichlorobenzene	ND	1.0	0.27	1		Trichloroethene	0.53	1.0	0.30	1	J
1,3-Dichlorobenzene	ND	1.0	0.28	1		Trichlorofluoromethane	ND	10	0.31	1	
1,4-Dichlorobenzene	ND	1.0	0.21	1		1,2,3-Trichloropropane	ND	5.0	1.3	1	
Dichlorodifluoromethane	ND	1.0	0.49	1		1,2,4-Trimethylbenzene	ND	1.0	0.24	1	
1,1-Dichloroethane	ND	1.0	0.37	1		1,3,5-Trimethylbenzene	ND	1.0	0.23	1	
1,2-Dichloroethane	ND	0.50	0.31	1		Vinyl Acetate	ND	10	7.1	1	
1,1-Dichloroethene	ND	1.0	0.40	1		Vinyl Chloride	ND	0.50	0.33	1	
c-1,2-Dichloroethene	0.86	1.0	0.49	1	J	p/m-Xylene	ND	1.0	0.45	1	
t-1,2-Dichloroethene	ND	1.0	0.40	1		o-Xylene	ND	1.0	0.24	1	
1,2-Dichloropropane	ND	1.0	0.38	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.30	1	
Surrogates:	REC (%)	Control Limits			Qual	Surrogates:	REC (%)	I Limits			Qual
Dibromofluoromethane	102	82-130				1,2-Dichloroethane-d4	107	75-141			
Toluene-d8	97	83-113				1,4-Bromofluorobenzene	92	70-118			

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Analytical Report



GeoSyntec Consultants
 10875 Rancho Bernardo Road, Suite 200
 San Diego, CA 92127-2116

Date Received: 01/15/09
 Work Order No: 09-01-1235
 Preparation: EPA 5030B
 Method: EPA 8260B
 Units: ug/L

Project: Teledyne Ryan

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
BLD120-MW4	09-01-1235-2-B	01/15/09 09:18	Aqueous	GC/MS QQ	01/20/09	01/21/09 07:22	090120L03

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	50	9.1	1		1,3-Dichloropropane	ND	1.0	0.38	1	
Benzene	1.2	0.50	0.28	1		2,2-Dichloropropane	ND	1.0	0.46	1	
Bromobenzene	ND	1.0	0.33	1		1,1-Dichloropropene	ND	1.0	0.26	1	
Bromochloromethane	ND	1.0	0.69	1		c-1,3-Dichloropropene	ND	0.50	0.28	1	
Bromodichloromethane	ND	1.0	0.33	1		t-1,3-Dichloropropene	ND	0.50	0.36	1	
Bromoform	ND	1.0	0.55	1		Ethylbenzene	ND	1.0	0.22	1	
Bromomethane	ND	10	4.3	1		2-Hexanone	ND	10	6.9	1	
2-Butanone	ND	10	6.9	1		Isopropylbenzene	ND	1.0	0.23	1	
n-Butylbenzene	ND	1.0	0.28	1		p-Isopropyltoluene	ND	1.0	0.26	1	
sec-Butylbenzene	ND	1.0	0.20	1		Methylene Chloride	ND	10	2.6	1	
tert-Butylbenzene	ND	1.0	0.28	1		4-Methyl-2-Pentanone	ND	10	4.4	1	
Carbon Disulfide	ND	10	1.9	1		Naphthalene	ND	10	2.5	1	
Carbon Tetrachloride	ND	0.50	0.43	1		n-Propylbenzene	ND	1.0	0.79	1	
Chlorobenzene	ND	1.0	0.22	1		Styrene	ND	1.0	0.30	1	
Chloroethane	ND	5.0	1.3	1		1,1,1,2-Tetrachloroethane	ND	1.0	0.35	1	
Chloroform	ND	1.0	0.33	1		1,1,2,2-Tetrachloroethane	ND	1.0	0.44	1	
Chloromethane	ND	10	0.49	1		Tetrachloroethene	ND	1.0	0.51	1	
2-Chlorotoluene	ND	1.0	0.55	1		Toluene	ND	1.0	0.33	1	
4-Chlorotoluene	ND	1.0	0.21	1		1,2,3-Trichlorobenzene	ND	1.0	0.31	1	
Dibromochloromethane	ND	1.0	0.48	1		1,2,4-Trichlorobenzene	ND	1.0	0.49	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	3.1	1		1,1,1-Trichloroethane	ND	1.0	0.45	1	
1,2-Dibromoethane	ND	1.0	0.47	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.64	1	
Dibromomethane	ND	1.0	0.59	1		1,1,2-Trichloroethane	ND	1.0	0.54	1	
1,2-Dichlorobenzene	ND	1.0	0.27	1		Trichloroethene	ND	1.0	0.30	1	
1,3-Dichlorobenzene	ND	1.0	0.28	1		Trichlorofluoromethane	ND	10	0.31	1	
1,4-Dichlorobenzene	ND	1.0	0.21	1		1,2,3-Trichloropropene	ND	5.0	1.3	1	
Dichlorodifluoromethane	ND	1.0	0.49	1		1,2,4-Trimethylbenzene	ND	1.0	0.24	1	
1,1-Dichloroethane	ND	1.0	0.37	1		1,3,5-Trimethylbenzene	ND	1.0	0.23	1	
1,2-Dichloroethane	ND	0.50	0.31	1		Vinyl Acetate	ND	10	7.1	1	
1,1-Dichloroethene	ND	1.0	0.40	1		Vinyl Chloride	ND	0.50	0.33	1	
c-1,2-Dichloroethene	0.98	1.0	0.49	1	J	p/m-Xylene	ND	1.0	0.45	1	
t-1,2-Dichloroethene	ND	1.0	0.40	1		o-Xylene	ND	1.0	0.24	1	
1,2-Dichloropropane	ND	1.0	0.38	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.30	1	
Surrogates:	REC (%)	Control Limits			Qual	Surrogates:	REC (%)	ILimits			Qual
Dibromofluoromethane	105	82-130				1,2-Dichloroethane-d4	108	75-141			
Toluene-d8	96	83-113				1,4-Bromofluorobenzene	92	70-118			

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

GeoSyntec Consultants
10875 Rancho Bernardo Road, Suite 200
San Diego, CA 92127-2116

Date Received: 01/15/09
Work Order No: 09-01-1235
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/L

Project: Teledyne Ryan

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
BLD102-MW4	09-01-1235-3-B	01/15/09 10:23	Aqueous	GC/MS QQ	01/20/09	01/21/09 07:45	090120L03

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	50	9.1	1		1,3-Dichloropropane	ND	1.0	0.38	1	
Benzene	ND	0.50	0.28	1		2,2-Dichloropropane	ND	1.0	0.46	1	
Bromobenzene	ND	1.0	0.33	1		1,1-Dichloropropene	ND	1.0	0.26	1	
Bromochloromethane	ND	1.0	0.69	1		c-1,3-Dichloropropene	ND	0.50	0.28	1	
Bromodichloromethane	ND	1.0	0.33	1		t-1,3-Dichloropropene	ND	0.50	0.36	1	
Bromoform	ND	1.0	0.55	1		Ethylbenzene	ND	1.0	0.22	1	
Bromomethane	ND	10	4.3	1		2-Hexanone	ND	10	6.9	1	
2-Butanone	ND	10	6.9	1		Isopropylbenzene	ND	1.0	0.23	1	
n-Butylbenzene	ND	1.0	0.28	1		p-Isopropyltoluene	ND	1.0	0.26	1	
sec-Butylbenzene	ND	1.0	0.20	1		Methylene Chloride	ND	10	2.6	1	
tert-Butylbenzene	ND	1.0	0.28	1		4-Methyl-2-Pentanone	ND	10	4.4	1	
Carbon Disulfide	ND	10	1.9	1		Naphthalene	ND	10	2.5	1	
Carbon Tetrachloride	ND	0.50	0.43	1		n-Propylbenzene	ND	1.0	0.79	1	
Chlorobenzene	ND	1.0	0.22	1		Styrene	ND	1.0	0.30	1	
Chloroethane	ND	5.0	1.3	1		1,1,1,2-Tetrachloroethane	ND	1.0	0.35	1	
Chloroform	ND	1.0	0.33	1		1,1,2,2-Tetrachloroethane	ND	1.0	0.44	1	
Chloromethane	ND	10	0.49	1		Tetrachloroethene	ND	1.0	0.51	1	
2-Chlorotoluene	ND	1.0	0.55	1		Toluene	ND	1.0	0.33	1	
4-Chlorotoluene	ND	1.0	0.21	1		1,2,3-Trichlorobenzene	ND	1.0	0.31	1	
Dibromochloromethane	ND	1.0	0.48	1		1,2,4-Trichlorobenzene	ND	1.0	0.49	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	3.1	1		1,1,1-Trichloroethane	ND	1.0	0.45	1	
1,2-Dibromoethane	ND	1.0	0.47	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.64	1	
Dibromomethane	ND	1.0	0.59	1		1,1,2-Trichloroethane	ND	1.0	0.54	1	
1,2-Dichlorobenzene	ND	1.0	0.27	1		Trichloroethene	ND	1.0	0.30	1	
1,3-Dichlorobenzene	ND	1.0	0.28	1		Trichlorofluoromethane	ND	10	0.31	1	
1,4-Dichlorobenzene	ND	1.0	0.21	1		1,2,3-Trichloropropane	ND	5.0	1.3	1	
Dichlorodifluoromethane	ND	1.0	0.49	1		1,2,4-Trimethylbenzene	ND	1.0	0.24	1	
1,1-Dichloroethane	ND	1.0	0.37	1		1,3,5-Trimethylbenzene	ND	1.0	0.23	1	
1,2-Dichloroethane	ND	0.50	0.31	1		Vinyl Acetate	ND	10	7.1	1	
1,1-Dichloroethene	ND	1.0	0.40	1		Vinyl Chloride	2.0	0.50	0.33	1	
c-1,2-Dichloroethene	0.56	1.0	0.49	1	J	p/m-Xylene	ND	1.0	0.45	1	
t-1,2-Dichloroethene	ND	1.0	0.40	1		o-Xylene	ND	1.0	0.24	1	
1,2-Dichloropropane	ND	1.0	0.38	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.30	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	I Limits		Qual		
Dibromofluoromethane	104	82-130			1,2-Dichloroethane-d4	106	75-141				
Toluene-d8	95	83-113			1,4-Bromofluorobenzene	92	70-118				

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

GeoSyntec Consultants
 10875 Rancho Bernardo Road, Suite 200
 San Diego, CA 92127-2116

Date Received: 01/15/09
 Work Order No: 09-01-1235
 Preparation: EPA 5030B
 Method: EPA 8260B
 Units: ug/L

Project: Teledyne Ryan

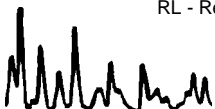
Page 4 of 10

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
BLD131-MW5	09-01-1235-4-B	01/15/09 11:06	Aqueous	GC/MS QQ	01/20/09	01/21/09 08:31	090120L03

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	1000	180	20		1,3-Dichloropropane	ND	20	7.6	20	
Benzene	11	10	5.7	20		2,2-Dichloropropane	ND	20	9.2	20	
Bromobenzene	ND	20	6.7	20		1,1-Dichloropropene	ND	20	5.1	20	
Bromochloromethane	ND	20	14	20		c-1,3-Dichloropropene	ND	10	5.7	20	
Bromodichloromethane	ND	20	6.6	20		t-1,3-Dichloropropene	ND	10	7.2	20	
Bromoform	ND	20	11	20		Ethylbenzene	ND	20	4.4	20	
Bromomethane	ND	200	86	20		2-Hexanone	ND	200	140	20	
2-Butanone	ND	200	140	20		Isopropylbenzene	ND	20	4.5	20	
n-Butylbenzene	ND	20	5.5	20		p-Isopropyltoluene	ND	20	5.2	20	
sec-Butylbenzene	ND	20	4.1	20		Methylene Chloride	ND	200	52	20	
tert-Butylbenzene	ND	20	5.5	20		4-Methyl-2-Pentanone	ND	200	88	20	
Carbon Disulfide	ND	200	38	20		Naphthalene	ND	200	51	20	
Carbon Tetrachloride	ND	10	8.5	20		n-Propylbenzene	ND	20	16	20	
Chlorobenzene	ND	20	4.4	20		Styrene	ND	20	6.0	20	
Chloroethane	ND	100	26	20		1,1,1,2-Tetrachloroethane	ND	20	7.0	20	
Chloroform	ND	20	6.6	20		1,1,2,2-Tetrachloroethane	ND	20	8.8	20	
Chloromethane	ND	200	9.7	20		Tetrachloroethene	ND	20	10	20	
2-Chlorotoluene	ND	20	11	20		Toluene	ND	20	6.5	20	
4-Chlorotoluene	ND	20	4.2	20		1,2,3-Trichlorobenzene	ND	20	6.1	20	
Dibromochloromethane	ND	20	9.7	20		1,2,4-Trichlorobenzene	ND	20	9.7	20	
1,2-Dibromo-3-Chloropropane	ND	100	62	20		1,1,1-Trichloroethane	ND	20	9.0	20	
1,2-Dibromoethane	ND	20	9.3	20		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	200	13	20	
Dibromomethane	ND	20	12	20		1,1,2-Trichloroethane	ND	20	11	20	
1,2-Dichlorobenzene	ND	20	5.4	20		Trichloroethene	ND	20	6.1	20	
1,3-Dichlorobenzene	ND	20	5.7	20		Trichlorofluoromethane	ND	200	6.2	20	
1,4-Dichlorobenzene	ND	20	4.2	20		1,2,3-Trichloropropane	ND	100	27	20	
Dichlorodifluoromethane	ND	20	9.8	20		1,2,4-Trimethylbenzene	ND	20	4.9	20	
1,1-Dichloroethane	ND	20	7.5	20		1,3,5-Trimethylbenzene	ND	20	4.6	20	
1,2-Dichloroethane	ND	10	6.3	20		Vinyl Acetate	ND	200	140	20	
1,1-Dichloroethene	ND	20	8.0	20		Vinyl Chloride	1400	10	6.5	20	
c-1,2-Dichloroethene	ND	20	9.7	20		p/m-Xylene	ND	20	9.1	20	
t-1,2-Dichloroethene	14	20	8.1	20	J	o-Xylene	ND	20	4.7	20	
1,2-Dichloropropane	ND	20	7.6	20		Methyl-t-Butyl Ether (MTBE)	ND	20	6.1	20	
Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	ILimits	Qual				
Dibromofluoromethane	103	82-130		1,2-Dichloroethane-d4	108	75-141					
Toluene-d8	96	83-113		1,4-Bromofluorobenzene	89	70-118					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



GeoSyntec Consultants
 10875 Rancho Bernardo Road, Suite 200
 San Diego, CA 92127-2116

Date Received: 01/15/09
 Work Order No: 09-01-1235
 Preparation: EPA 5030B
 Method: EPA 8260B
 Units: ug/L

Project: Teledyne Ryan

Page 5 of 10

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
BLD131-MW4	09-01-1235-5-B	01/15/09 11:53	Aqueous	GC/MS QQ	01/20/09	01/21/09 08:08	090120L03

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	50	9.1	1		1,3-Dichloropropane	ND	1.0	0.38	1	
Benzene	ND	0.50	0.28	1		2,2-Dichloropropane	ND	1.0	0.46	1	
Bromobenzene	ND	1.0	0.33	1		1,1-Dichloropropene	ND	1.0	0.26	1	
Bromochloromethane	ND	1.0	0.69	1		c-1,3-Dichloropropene	ND	0.50	0.28	1	
Bromodichloromethane	ND	1.0	0.33	1		t-1,3-Dichloropropene	ND	0.50	0.36	1	
Bromoform	ND	1.0	0.55	1		Ethylbenzene	ND	1.0	0.22	1	
Bromomethane	ND	10	4.3	1		2-Hexanone	ND	10	6.9	1	
2-Butanone	ND	10	6.9	1		Isopropylbenzene	ND	1.0	0.23	1	
n-Butylbenzene	ND	1.0	0.28	1		p-Isopropyltoluene	ND	1.0	0.26	1	
sec-Butylbenzene	ND	1.0	0.20	1		Methylene Chloride	ND	10	2.6	1	
tert-Butylbenzene	ND	1.0	0.28	1		4-Methyl-2-Pentanone	ND	10	4.4	1	
Carbon Disulfide	ND	10	1.9	1		Naphthalene	ND	10	2.5	1	
Carbon Tetrachloride	ND	0.50	0.43	1		n-Propylbenzene	ND	1.0	0.79	1	
Chlorobenzene	ND	1.0	0.22	1		Styrene	ND	1.0	0.30	1	
Chloroethane	ND	5.0	1.3	1		1,1,1,2-Tetrachloroethane	ND	1.0	0.35	1	
Chloroform	ND	1.0	0.33	1		1,1,2,2-Tetrachloroethane	ND	1.0	0.44	1	
Chloromethane	ND	10	0.49	1		Tetrachloroethene	ND	1.0	0.51	1	
2-Chlorotoluene	ND	1.0	0.55	1		Toluene	ND	1.0	0.33	1	
4-Chlorotoluene	ND	1.0	0.21	1		1,2,3-Trichlorobenzene	ND	1.0	0.31	1	
Dibromochloromethane	ND	1.0	0.48	1		1,2,4-Trichlorobenzene	ND	1.0	0.49	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	3.1	1		1,1,1-Trichloroethane	ND	1.0	0.45	1	
1,2-Dibromoethane	ND	1.0	0.47	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.64	1	
Dibromomethane	ND	1.0	0.59	1		1,1,2-Trichloroethane	ND	1.0	0.54	1	
1,2-Dichlorobenzene	ND	1.0	0.27	1		Trichloroethene	ND	1.0	0.30	1	
1,3-Dichlorobenzene	ND	1.0	0.28	1		Trichlorofluoromethane	ND	10	0.31	1	
1,4-Dichlorobenzene	ND	1.0	0.21	1		1,2,3-Trichloropropane	ND	5.0	1.3	1	
Dichlorodifluoromethane	ND	1.0	0.49	1		1,2,4-Trimethylbenzene	ND	1.0	0.24	1	
1,1-Dichloroethane	ND	1.0	0.37	1		1,3,5-Trimethylbenzene	ND	1.0	0.23	1	
1,2-Dichloroethane	ND	0.50	0.31	1		Vinyl Acetate	ND	10	7.1	1	
1,1-Dichloroethene	ND	1.0	0.40	1		Vinyl Chloride	0.85	0.50	0.33	1	
c-1,2-Dichloroethene	1.3	1.0	0.49	1		p/m-Xylene	ND	1.0	0.45	1	
t-1,2-Dichloroethene	ND	1.0	0.40	1		o-Xylene	ND	1.0	0.24	1	
1,2-Dichloropropane	ND	1.0	0.38	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.30	1	
Surrogates:	REC (%)	Control Limits			Qual	Surrogates:	REC (%)	I Limits			Qual
Dibromofluoromethane	103	82-130				1,2-Dichloroethane-d4	109	75-141			
Toluene-d8	96	83-113				1,4-Bromofluorobenzene	92	70-118			

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

GeoSyntec Consultants
 10875 Rancho Bernardo Road, Suite 200
 San Diego, CA 92127-2116

Date Received: 01/15/09
 Work Order No: 09-01-1235
 Preparation: EPA 5030B
 Method: EPA 8260B
 Units: ug/L

Project: Teledyne Ryan

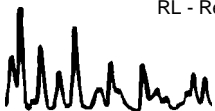
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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
BLD120-MW2	09-01-1235-6-B	01/15/09 13:00	Aqueous	GC/MS QQ	01/20/09	01/21/09 08:54	090120L03

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	500	91	10		1,3-Dichloropropane	ND	10	3.8	10	
Benzene	ND	5.0	2.8	10		2,2-Dichloropropane	ND	10	4.6	10	
Bromobenzene	ND	10	3.3	10		1,1-Dichloropropene	ND	10	2.6	10	
Bromochloromethane	ND	10	6.9	10		c-1,3-Dichloropropene	ND	5.0	2.8	10	
Bromodichloromethane	ND	10	3.3	10		t-1,3-Dichloropropene	ND	5.0	3.6	10	
Bromoform	ND	10	5.5	10		Ethylbenzene	ND	10	2.2	10	
Bromomethane	ND	100	43	10		2-Hexanone	ND	100	69	10	
2-Butanone	ND	100	69	10		Isopropylbenzene	ND	10	2.3	10	
n-Butylbenzene	ND	10	2.8	10		p-Isopropyltoluene	ND	10	2.6	10	
sec-Butylbenzene	ND	10	2.0	10		Methylene Chloride	ND	100	26	10	
tert-Butylbenzene	ND	10	2.8	10		4-Methyl-2-Pentanone	ND	100	44	10	
Carbon Disulfide	ND	100	19	10		Naphthalene	ND	100	25	10	
Carbon Tetrachloride	ND	5.0	4.3	10		n-Propylbenzene	ND	10	7.9	10	
Chlorobenzene	ND	10	2.2	10		Styrene	ND	10	3.0	10	
Chloroethane	ND	50	13	10		1,1,1,2-Tetrachloroethane	ND	10	3.5	10	
Chloroform	ND	10	3.3	10		1,1,2,2-Tetrachloroethane	ND	10	4.4	10	
Chloromethane	ND	100	4.9	10		Tetrachloroethene	260	10	5.1	10	
2-Chlorotoluene	ND	10	5.5	10		Toluene	ND	10	3.3	10	
4-Chlorotoluene	ND	10	2.1	10		1,2,3-Trichlorobenzene	ND	10	3.1	10	
Dibromochloromethane	ND	10	4.8	10		1,2,4-Trichlorobenzene	ND	10	4.9	10	
1,2-Dibromo-3-Chloropropane	ND	50	31	10		1,1,1-Trichloroethane	ND	10	4.5	10	
1,2-Dibromoethane	ND	10	4.7	10		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	100	6.4	10	
Dibromomethane	ND	10	5.9	10		1,1,2-Trichloroethane	ND	10	5.4	10	
1,2-Dichlorobenzene	ND	10	2.7	10		Trichloroethene	27	10	3.0	10	
1,3-Dichlorobenzene	ND	10	2.8	10		Trichlorofluoromethane	ND	100	3.1	10	
1,4-Dichlorobenzene	ND	10	2.1	10		1,2,3-Trichloropropane	ND	50	13	10	
Dichlorodifluoromethane	ND	10	4.9	10		1,2,4-Trimethylbenzene	ND	10	2.4	10	
1,1-Dichloroethane	ND	10	3.7	10		1,3,5-Trimethylbenzene	ND	10	2.3	10	
1,2-Dichloroethane	ND	5.0	3.1	10		Vinyl Acetate	ND	100	71	10	
1,1-Dichloroethene	ND	10	4.0	10		Vinyl Chloride	470	5.0	3.3	10	
c-1,2-Dichloroethene	560	10	4.9	10		p/m-Xylene	ND	10	4.5	10	
t-1,2-Dichloroethene	31	10	4.0	10		o-Xylene	ND	10	2.4	10	
1,2-Dichloropropane	ND	10	3.8	10		Methyl-t-Butyl Ether (MTBE)	ND	10	3.0	10	
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>			<u>Qual</u>	<u>Surrogates:</u>	<u>REC (%)</u>	<u>I Limits</u>			<u>Qual</u>
Dibromofluoromethane	104	82-130				1,2-Dichloroethane-d4	110	75-141			
Toluene-d8	96	83-113				1,4-Bromofluorobenzene	95	70-118			

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



GeoSyntec Consultants
 10875 Rancho Bernardo Road, Suite 200
 San Diego, CA 92127-2116

Date Received: 01/15/09
 Work Order No: 09-01-1235
 Preparation: EPA 5030B
 Method: EPA 8260B
 Units: ug/L

Project: Teledyne Ryan

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
BLD120-MW3	09-01-1235-7-B	01/15/09 14:01	Aqueous	GC/MS QQ	01/20/09	01/21/09 09:17	090120L03

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	500	91	10		1,3-Dichloropropane	ND	10	3.8	10	
Benzene	ND	5.0	2.8	10		2,2-Dichloropropane	ND	10	4.6	10	
Bromobenzene	ND	10	3.3	10		1,1-Dichloropropene	ND	10	2.6	10	
Bromochloromethane	ND	10	6.9	10		c-1,3-Dichloropropene	ND	5.0	2.8	10	
Bromodichloromethane	ND	10	3.3	10		t-1,3-Dichloropropene	ND	5.0	3.6	10	
Bromoform	ND	10	5.5	10		Ethylbenzene	ND	10	2.2	10	
Bromomethane	ND	100	43	10		2-Hexanone	ND	100	69	10	
2-Butanone	ND	100	69	10		Isopropylbenzene	ND	10	2.3	10	
n-Butylbenzene	ND	10	2.8	10		p-Isopropyltoluene	ND	10	2.6	10	
sec-Butylbenzene	ND	10	2.0	10		Methylene Chloride	ND	100	26	10	
tert-Butylbenzene	ND	10	2.8	10		4-Methyl-2-Pentanone	ND	100	44	10	
Carbon Disulfide	ND	100	19	10		Naphthalene	ND	100	25	10	
Carbon Tetrachloride	ND	5.0	4.3	10		n-Propylbenzene	ND	10	7.9	10	
Chlorobenzene	ND	10	2.2	10		Styrene	ND	10	3.0	10	
Chloroethane	ND	50	13	10		1,1,1,2-Tetrachloroethane	ND	10	3.5	10	
Chloroform	11	10	3.3	10		1,1,2,2-Tetrachloroethane	ND	10	4.4	10	
Chloromethane	ND	100	4.9	10		Tetrachloroethene	39	10	5.1	10	
2-Chlorotoluene	ND	10	5.5	10		Toluene	ND	10	3.3	10	
4-Chlorotoluene	ND	10	2.1	10		1,2,3-Trichlorobenzene	ND	10	3.1	10	
Dibromochloromethane	ND	10	4.8	10		1,2,4-Trichlorobenzene	ND	10	4.9	10	
1,2-Dibromo-3-Chloropropane	ND	50	31	10		1,1,1-Trichloroethane	ND	10	4.5	10	
1,2-Dibromoethane	ND	10	4.7	10		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	100	6.4	10	
Dibromomethane	ND	10	5.9	10		1,1,2-Trichloroethane	ND	10	5.4	10	
1,2-Dichlorobenzene	ND	10	2.7	10		Trichloroethene	7.0	10	3.0	10	J
1,3-Dichlorobenzene	ND	10	2.8	10		Trichlorofluoromethane	ND	100	3.1	10	
1,4-Dichlorobenzene	ND	10	2.1	10		1,2,3-Trichloropropane	ND	50	13	10	
Dichlorodifluoromethane	ND	10	4.9	10		1,2,4-Trimethylbenzene	ND	10	2.4	10	
1,1-Dichloroethane	ND	10	3.7	10		1,3,5-Trimethylbenzene	ND	10	2.3	10	
1,2-Dichloroethane	ND	5.0	3.1	10		Vinyl Acetate	ND	100	71	10	
1,1-Dichloroethene	9.9	10	4.0	10	J	Vinyl Chloride	43	5.0	3.3	10	
c-1,2-Dichloroethene	740	10	4.9	10		p/m-Xylene	ND	10	4.5	10	
t-1,2-Dichloroethene	8.1	10	4.0	10	J	o-Xylene	ND	10	2.4	10	
1,2-Dichloropropane	ND	10	3.8	10		Methyl-t-Butyl Ether (MTBE)	ND	10	3.0	10	
Surrogates:	<u>REC (%)</u>	<u>Control Limits</u>			<u>Qual</u>	<u>Surrogates:</u>	<u>REC (%)</u>	<u>I Limits</u>			<u>Qual</u>
Dibromofluoromethane	103	82-130				1,2-Dichloroethane-d4	108	75-141			
Toluene-d8	95	83-113				1,4-Bromofluorobenzene	91	70-118			

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Analytical Report



GeoSyntec Consultants
10875 Rancho Bernardo Road, Suite 200
San Diego, CA 92127-2116

Date Received: 01/15/09
Work Order No: 09-01-1235
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/L

Project: Teledyne Ryan

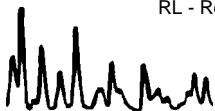
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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
QCTB-2	09-01-1235-8-B	01/15/09 07:50	Aqueous	GC/MS QQ	01/20/09	01/21/09 02:45	090120L03

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	50	9.1	1		1,3-Dichloropropane	ND	1.0	0.38	1	
Benzene	ND	0.50	0.28	1		2,2-Dichloropropane	ND	1.0	0.46	1	
Bromobenzene	ND	1.0	0.33	1		1,1-Dichloropropene	ND	1.0	0.26	1	
Bromochloromethane	ND	1.0	0.69	1		c-1,3-Dichloropropene	ND	0.50	0.28	1	
Bromodichloromethane	ND	1.0	0.33	1		t-1,3-Dichloropropene	ND	0.50	0.36	1	
Bromoform	ND	1.0	0.55	1		Ethylbenzene	ND	1.0	0.22	1	
Bromomethane	ND	10	4.3	1		2-Hexanone	ND	10	6.9	1	
2-Butanone	ND	10	6.9	1		Isopropylbenzene	ND	1.0	0.23	1	
n-Butylbenzene	ND	1.0	0.28	1		p-Isopropyltoluene	ND	1.0	0.26	1	
sec-Butylbenzene	ND	1.0	0.20	1		Methylene Chloride	ND	10	2.6	1	
tert-Butylbenzene	ND	1.0	0.28	1		4-Methyl-2-Pentanone	ND	10	4.4	1	
Carbon Disulfide	ND	10	1.9	1		Naphthalene	ND	10	2.5	1	
Carbon Tetrachloride	ND	0.50	0.43	1		n-Propylbenzene	ND	1.0	0.79	1	
Chlorobenzene	ND	1.0	0.22	1		Styrene	ND	1.0	0.30	1	
Chloroethane	ND	5.0	1.3	1		1,1,1,2-Tetrachloroethane	ND	1.0	0.35	1	
Chloroform	ND	1.0	0.33	1		1,1,2,2-Tetrachloroethane	ND	1.0	0.44	1	
Chloromethane	ND	10	0.49	1		Tetrachloroethene	ND	1.0	0.51	1	
2-Chlorotoluene	ND	1.0	0.55	1		Toluene	ND	1.0	0.33	1	
4-Chlorotoluene	ND	1.0	0.21	1		1,2,3-Trichlorobenzene	ND	1.0	0.31	1	
Dibromochloromethane	ND	1.0	0.48	1		1,2,4-Trichlorobenzene	ND	1.0	0.49	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	3.1	1		1,1,1-Trichloroethane	ND	1.0	0.45	1	
1,2-Dibromoethane	ND	1.0	0.47	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.64	1	
Dibromomethane	ND	1.0	0.59	1		1,1,2-Trichloroethane	ND	1.0	0.54	1	
1,2-Dichlorobenzene	ND	1.0	0.27	1		Trichloroethene	ND	1.0	0.30	1	
1,3-Dichlorobenzene	ND	1.0	0.28	1		Trichlorofluoromethane	ND	10	0.31	1	
1,4-Dichlorobenzene	ND	1.0	0.21	1		1,2,3-Trichloropropane	ND	5.0	1.3	1	
Dichlorodifluoromethane	ND	1.0	0.49	1		1,2,4-Trimethylbenzene	ND	1.0	0.24	1	
1,1-Dichloroethane	ND	1.0	0.37	1		1,3,5-Trimethylbenzene	ND	1.0	0.23	1	
1,2-Dichloroethane	ND	0.50	0.31	1		Vinyl Acetate	ND	10	7.1	1	
1,1-Dichloroethene	ND	1.0	0.40	1		Vinyl Chloride	ND	0.50	0.33	1	
c-1,2-Dichloroethene	ND	1.0	0.49	1		p/m-Xylene	ND	1.0	0.45	1	
t-1,2-Dichloroethene	ND	1.0	0.40	1		o-Xylene	ND	1.0	0.24	1	
1,2-Dichloropropane	ND	1.0	0.38	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.30	1	
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>			<u>Qual</u>	<u>Surrogates:</u>	<u>REC (%)</u>	<u>ILimits</u>			<u>Qual</u>
Dibromofluoromethane	102	82-130				1,2-Dichloroethane-d4	106	75-141			
Toluene-d8	96	83-113				1,4-Bromofluorobenzene	93	70-118			

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



GeoSyntec Consultants
10875 Rancho Bernardo Road, Suite 200
San Diego, CA 92127-2116

Date Received: 01/15/09
Work Order No: 09-01-1235
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/L

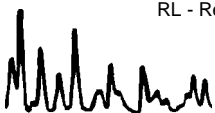
Project: Teledyne Ryan

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
QCEB-3	09-01-1235-9-B	01/15/09 14:34	Aqueous	GC/MS QQ	01/20/09	01/21/09 03:08	090120L03

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	50	9.1	1		1,3-Dichloropropane	ND	1.0	0.38	1	
Benzene	ND	0.50	0.28	1		2,2-Dichloropropane	ND	1.0	0.46	1	
Bromobenzene	ND	1.0	0.33	1		1,1-Dichloropropene	ND	1.0	0.26	1	
Bromochloromethane	ND	1.0	0.69	1		c-1,3-Dichloropropene	ND	0.50	0.28	1	
Bromodichloromethane	ND	1.0	0.33	1		t-1,3-Dichloropropene	ND	0.50	0.36	1	
Bromoform	ND	1.0	0.55	1		Ethylbenzene	ND	1.0	0.22	1	
Bromomethane	ND	10	4.3	1		2-Hexanone	ND	10	6.9	1	
2-Butanone	ND	10	6.9	1		Isopropylbenzene	ND	1.0	0.23	1	
n-Butylbenzene	ND	1.0	0.28	1		p-Isopropyltoluene	ND	1.0	0.26	1	
sec-Butylbenzene	ND	1.0	0.20	1		Methylene Chloride	ND	10	2.6	1	
tert-Butylbenzene	ND	1.0	0.28	1		4-Methyl-2-Pentanone	ND	10	4.4	1	
Carbon Disulfide	ND	10	1.9	1		Naphthalene	ND	10	2.5	1	
Carbon Tetrachloride	ND	0.50	0.43	1		n-Propylbenzene	ND	1.0	0.79	1	
Chlorobenzene	ND	1.0	0.22	1		Styrene	ND	1.0	0.30	1	
Chloroethane	ND	5.0	1.3	1		1,1,1,2-Tetrachloroethane	ND	1.0	0.35	1	
Chloroform	ND	1.0	0.33	1		1,1,2,2-Tetrachloroethane	ND	1.0	0.44	1	
Chloromethane	ND	10	0.49	1		Tetrachloroethene	ND	1.0	0.51	1	
2-Chlorotoluene	ND	1.0	0.55	1		Toluene	ND	1.0	0.33	1	
4-Chlorotoluene	ND	1.0	0.21	1		1,2,3-Trichlorobenzene	ND	1.0	0.31	1	
Dibromochloromethane	ND	1.0	0.48	1		1,2,4-Trichlorobenzene	ND	1.0	0.49	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	3.1	1		1,1,1-Trichloroethane	ND	1.0	0.45	1	
1,2-Dibromoethane	ND	1.0	0.47	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.64	1	
Dibromomethane	ND	1.0	0.59	1		1,1,2-Trichloroethane	ND	1.0	0.54	1	
1,2-Dichlorobenzene	ND	1.0	0.27	1		Trichloroethene	ND	1.0	0.30	1	
1,3-Dichlorobenzene	ND	1.0	0.28	1		Trichlorofluoromethane	ND	10	0.31	1	
1,4-Dichlorobenzene	ND	1.0	0.21	1		1,2,3-Trichloropropene	ND	5.0	1.3	1	
Dichlorodifluoromethane	ND	1.0	0.49	1		1,2,4-Trimethylbenzene	ND	1.0	0.24	1	
1,1-Dichloroethane	ND	1.0	0.37	1		1,3,5-Trimethylbenzene	ND	1.0	0.23	1	
1,2-Dichloroethane	ND	0.50	0.31	1		Vinyl Acetate	ND	10	7.1	1	
1,1-Dichloroethene	ND	1.0	0.40	1		Vinyl Chloride	ND	0.50	0.33	1	
c-1,2-Dichloroethene	ND	1.0	0.49	1		p/m-Xylene	ND	1.0	0.45	1	
t-1,2-Dichloroethene	ND	1.0	0.40	1		o-Xylene	ND	1.0	0.24	1	
1,2-Dichloropropane	ND	1.0	0.38	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.30	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	I Limits		Qual		
Dibromofluoromethane	99	82-130			1,2-Dichloroethane-d4	105	75-141				
Toluene-d8	95	83-113			1,4-Bromofluorobenzene	93	70-118				



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 10875 Rancho Bernardo Road, Suite 200
 San Diego, CA 92127-2116

Date Received: 01/15/09
 Work Order No: 09-01-1235
 Preparation: EPA 5030B
 Method: EPA 8260B
 Units: ug/L

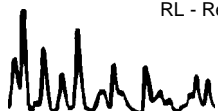
Project: Teledyne Ryan

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-10-006-28,175	N/A	Aqueous	GC/MS QQ	01/20/09	01/21/09 02:22	090120L03

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	50	9.1	1		1,3-Dichloropropane	ND	1.0	0.38	1	
Benzene	ND	0.50	0.28	1		2,2-Dichloropropane	ND	1.0	0.46	1	
Bromobenzene	ND	1.0	0.33	1		1,1-Dichloropropene	ND	1.0	0.26	1	
Bromochloromethane	ND	1.0	0.69	1		c-1,3-Dichloropropene	ND	0.50	0.28	1	
Bromodichloromethane	ND	1.0	0.33	1		t-1,3-Dichloropropene	ND	0.50	0.36	1	
Bromoform	ND	1.0	0.55	1		Ethylbenzene	ND	1.0	0.22	1	
Bromomethane	ND	10	4.3	1		2-Hexanone	ND	10	6.9	1	
2-Butanone	ND	10	6.9	1		Isopropylbenzene	ND	1.0	0.23	1	
n-Butylbenzene	ND	1.0	0.28	1		p-Isopropyltoluene	ND	1.0	0.26	1	
sec-Butylbenzene	ND	1.0	0.20	1		Methylene Chloride	ND	10	2.6	1	
tert-Butylbenzene	ND	1.0	0.28	1		4-Methyl-2-Pentanone	ND	10	4.4	1	
Carbon Disulfide	ND	10	1.9	1		Naphthalene	ND	10	2.5	1	
Carbon Tetrachloride	ND	0.50	0.43	1		n-Propylbenzene	ND	1.0	0.79	1	
Chlorobenzene	ND	1.0	0.22	1		Styrene	ND	1.0	0.30	1	
Chloroethane	ND	5.0	1.3	1		1,1,1,2-Tetrachloroethane	ND	1.0	0.35	1	
Chloroform	ND	1.0	0.33	1		1,1,2,2-Tetrachloroethane	ND	1.0	0.44	1	
Chloromethane	ND	10	0.49	1		Tetrachloroethene	ND	1.0	0.51	1	
2-Chlorotoluene	ND	1.0	0.55	1		Toluene	ND	1.0	0.33	1	
4-Chlorotoluene	ND	1.0	0.21	1		1,2,3-Trichlorobenzene	ND	1.0	0.31	1	
Dibromochloromethane	ND	1.0	0.48	1		1,2,4-Trichlorobenzene	ND	1.0	0.49	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	3.1	1		1,1,1-Trichloroethane	ND	1.0	0.45	1	
1,2-Dibromoethane	ND	1.0	0.47	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.64	1	
Dibromomethane	ND	1.0	0.59	1		1,1,2-Trichloroethane	ND	1.0	0.54	1	
1,2-Dichlorobenzene	ND	1.0	0.27	1		Trichloroethene	ND	1.0	0.30	1	
1,3-Dichlorobenzene	ND	1.0	0.28	1		Trichlorofluoromethane	ND	10	0.31	1	
1,4-Dichlorobenzene	ND	1.0	0.21	1		1,2,3-Trichloropropane	ND	5.0	1.3	1	
Dichlorodifluoromethane	ND	1.0	0.49	1		1,2,4-Trimethylbenzene	ND	1.0	0.24	1	
1,1-Dichloroethane	ND	1.0	0.37	1		1,3,5-Trimethylbenzene	ND	1.0	0.23	1	
1,2-Dichloroethane	ND	0.50	0.31	1		Vinyl Acetate	ND	10	7.1	1	
1,1-Dichloroethene	ND	1.0	0.40	1		Vinyl Chloride	ND	0.50	0.33	1	
c-1,2-Dichloroethene	ND	1.0	0.49	1		p/m-Xylene	ND	1.0	0.45	1	
t-1,2-Dichloroethene	ND	1.0	0.40	1		o-Xylene	ND	1.0	0.24	1	
1,2-Dichloropropane	ND	1.0	0.38	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.30	1	
Surrogates:	REC (%)	Control Limits			Qual	Surrogates:	REC (%)	ILimits			Qual
Dibromofluoromethane	103	82-130				1,2-Dichloroethane-d4	108	75-141			
Toluene-d8	95	83-113				1,4-Bromofluorobenzene	89	70-118			



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 San Diego, CA 92127-2116

Date Received: 01/15/09
 Work Order No: 09-01-1235

Project: Teledyne Ryan

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Client Sample Number	Lab Sample Number	Date Collected	Matrix
BLD120-MW5	09-01-1235-1	01/15/09	Aqueous

Comment(s): (24) Results were evaluated to the MDL, concentrations \geq to the MDL but $<$ RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Chloride	160	50	2.7	50		mg/L	N/A	01/16/09	EPA 300.0
Nitrite (as N) (24)	ND	0.10	0.015	1		mg/L	N/A	01/16/09	EPA 300.0
Nitrate (as N) (24)	0.094	0.10	0.028	1	J	mg/L	N/A	01/16/09	EPA 300.0
Sulfate	270	50	3.4	50		mg/L	N/A	01/16/09	EPA 300.0
Sulfide, Total (24)	ND	0.050	0.042	1		mg/L	01/17/09	01/17/09	SM 4500 S2 - D
Carbon, Total Organic	4.1	0.50	0.021	1		mg/L	N/A	01/21/09	SM 5310 D

Client Sample Number	Lab Sample Number	Date Collected	Matrix
BLD120-MW4	09-01-1235-2	01/15/09	Aqueous

Comment(s): (24) Results were evaluated to the MDL, concentrations \geq to the MDL but $<$ RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Chloride	900	100	5.5	100		mg/L	N/A	01/16/09	EPA 300.0
Nitrite (as N) (24)	ND	0.10	0.015	1		mg/L	N/A	01/16/09	EPA 300.0
Nitrate (as N) (24)	ND	0.10	0.028	1		mg/L	N/A	01/16/09	EPA 300.0
Sulfate	9.6	1.0	0.069	1		mg/L	N/A	01/16/09	EPA 300.0
Sulfide, Total	0.25	0.050	0.042	1		mg/L	01/17/09	01/17/09	SM 4500 S2 - D
Carbon, Total Organic	17	0.50	0.021	1		mg/L	N/A	01/21/09	SM 5310 D

Client Sample Number	Lab Sample Number	Date Collected	Matrix
BLD131-MW5	09-01-1235-4	01/15/09	Aqueous

Comment(s): (24) Results were evaluated to the MDL, concentrations \geq to the MDL but $<$ RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Chloride	750	100	5.5	100		mg/L	N/A	01/16/09	EPA 300.0
Nitrite (as N) (24)	ND	0.10	0.015	1		mg/L	N/A	01/16/09	EPA 300.0
Nitrate (as N) (24)	ND	0.10	0.028	1		mg/L	N/A	01/16/09	EPA 300.0
Sulfate	360	100	6.9	100		mg/L	N/A	01/16/09	EPA 300.0
Sulfide, Total	0.20	0.050	0.042	1		mg/L	01/17/09	01/17/09	SM 4500 S2 - D
Carbon, Total Organic	11	0.50	0.021	1		mg/L	N/A	01/21/09	SM 5310 D

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

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Date Received: 01/15/09
 Work Order No: 09-01-1235

Project: Teledyne Ryan

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Client Sample Number	Lab Sample Number	Date Collected	Matrix
BLD120-MW2	09-01-1235-6	01/15/09	Aqueous

Comment(s): (24) Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Chloride	160	20	1.1	20		mg/L	N/A	01/16/09	EPA 300.0
Nitrite (as N) (24)	0.075	0.10	0.015	1	J	mg/L	N/A	01/16/09	EPA 300.0
Nitrate (as N) (24)	ND	0.10	0.028	1		mg/L	N/A	01/16/09	EPA 300.0
Sulfate	2.9	1.0	0.069	1		mg/L	N/A	01/16/09	EPA 300.0
Sulfide, Total	0.20	0.050	0.042	1		mg/L	01/17/09	01/17/09	SM 4500 S2 - D
Carbon, Total Organic	860	100	4.2	200		mg/L	N/A	01/21/09	SM 5310 D

Client Sample Number	Lab Sample Number	Date Collected	Matrix
BLD120-MW3	09-01-1235-7	01/15/09	Aqueous

Comment(s): (24) Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Chloride	280	50	2.7	50		mg/L	N/A	01/16/09	EPA 300.0
Nitrite (as N) (24)	0.079	0.10	0.015	1	J	mg/L	N/A	01/16/09	EPA 300.0
Nitrate (as N) (24)	ND	0.10	0.028	1		mg/L	N/A	01/16/09	EPA 300.0
Sulfate	2.4	1.0	0.069	1		mg/L	N/A	01/16/09	EPA 300.0
Sulfide, Total	0.50	0.050	0.042	1		mg/L	01/17/09	01/17/09	SM 4500 S2 - D
Carbon, Total Organic	1600	50	2.1	100		mg/L	N/A	01/21/09	SM 5310 D

Client Sample Number	Lab Sample Number	Date Collected	Matrix
Method Blank	N/A	N/A	Aqueous

Comment(s): (24) Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Chloride (24)	ND	1.0	0.055	1		mg/L	N/A	01/16/09	EPA 300.0
Nitrite (as N) (24)	ND	0.10	0.015	1		mg/L	N/A	01/16/09	EPA 300.0
Nitrate (as N) (24)	ND	0.10	0.028	1		mg/L	N/A	01/16/09	EPA 300.0
Sulfate (24)	ND	1.0	0.069	1		mg/L	N/A	01/16/09	EPA 300.0
Sulfide, Total (24)	ND	0.050	0.042	1		mg/L	01/17/09	01/17/09	SM 4500 S2 - D
Carbon, Total Organic (24)	ND	0.50	0.021	1		mg/L	N/A	01/21/09	SM 5310 D

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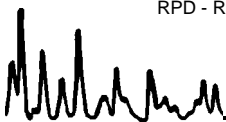
Date Received: 01/15/09
 Work Order No: 09-01-1235
 Preparation: N/A
 Method: HPLC/UV

Project Teledyne Ryan

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
09-01-1005-2	Aqueous	HPLC 6	N/A	01/17/09	090116S02

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Acetic Acid	106	114	70-130	4	0-30	
Butyric Acid	105	105	70-130	0	0-30	
Lactic Acid	102	102	70-130	0	0-30	
Propionic Acid	49	53	70-130	1	0-30	3
Pyruvic Acid	80	84	70-130	4	0-30	

RPD - Relative Percent Difference , CL - Control Limit



GeoSyntec Consultants
 10875 Rancho Bernardo Road, Suite 200
 San Diego, CA 92127-2116

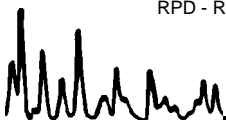
Date Received: 01/15/09
 Work Order No: 09-01-1235
 Preparation: EPA 5030B
 Method: EPA 8260B

Project Teledyne Ryan

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
09-01-1252-1	Aqueous	GC/MS QQ	01/20/09	01/21/09	090120S02

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	83	83	88-118	1	0-7	3
Carbon Tetrachloride	80	82	67-145	2	0-11	
Chlorobenzene	95	96	88-118	2	0-7	
1,2-Dibromoethane	86	87	70-130	1	0-30	
1,2-Dichlorobenzene	96	95	86-116	0	0-8	
1,1-Dichloroethene	93	95	70-130	2	0-25	
Ethylbenzene	91	92	70-130	1	0-30	
Toluene	81	83	87-123	2	0-8	3
Trichloroethene	22	63	79-127	23	0-10	3,4
Vinyl Chloride	86	86	69-129	0	0-13	
Methyl-t-Butyl Ether (MTBE)	95	97	71-131	2	0-13	
Tert-Butyl Alcohol (TBA)	109	115	36-168	5	0-45	
Diisopropyl Ether (DIPE)	113	114	81-123	1	0-9	
Ethyl-t-Butyl Ether (ETBE)	106	108	72-126	2	0-12	
Tert-Amyl-Methyl Ether (TAME)	87	88	72-126	1	0-12	
Ethanol	116	126	53-149	8	0-31	

RPD - Relative Percent Difference , CL - Control Limit



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 San Diego, CA 92127-2116

Date Received:
 Work Order No:

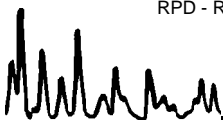
N/A
 09-01-1235

Project: Teledyne Ryan

Matrix: Aqueous

<u>Parameter</u>	<u>Method</u>	<u>Quality Control Sample ID</u>	<u>Date Analyzed</u>	<u>Date Extracted</u>	<u>MS% REC</u>	<u>MSD % REC</u>	<u>%REC CL</u>	<u>RPD</u>	<u>RPD CL</u>	<u>Qualifiers</u>
Chloride	EPA 300.0	09-01-1194-4	01/16/09	N/A	97	98	56-134	0	0-3	
Nitrite (as N)	EPA 300.0	09-01-1194-4	01/16/09	N/A	102	103	68-122	1	0-8	
Nitrate (as N)	EPA 300.0	09-01-1194-4	01/16/09	N/A	98	98	58-142	0	0-6	
Sulfate	EPA 300.0	09-01-1194-4	01/16/09	N/A	103	102	49-133	1	0-3	
Carbon, Total Organic	SM 5310 D	09-01-1253-1	01/21/09	N/A	87	81	70-130	4	0-25	

RPD - Relative Percent Difference , CL - Control Limit



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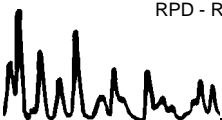
Date Received: N/A
 Work Order No: 09-01-1235

Project: Teledyne Ryan

Matrix: Aqueous

<u>Parameter</u>	<u>Method</u>	<u>QC Sample ID</u>	<u>Date Analyzed</u>	<u>Sample Conc</u>	<u>DUP Conc</u>	<u>RPD</u>	<u>RPD CL</u>	<u>Qualifiers</u>
Sulfide, Total	SM 4500 S2 - D	09-01-1257-1	01/17/09	ND	ND	NA	0-25	

RPD - Relative Percent Difference , CL - Control Limit





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 San Diego, CA 92127-2116

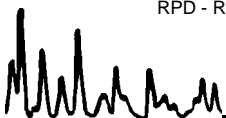
Date Received: N/A
 Work Order No: 09-01-1235
 Preparation: N/A
 Method: RSK-175M

Project: Teledyne Ryan

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-661-159	Aqueous	GC 52	N/A	01/17/09	090117L01

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Ethane	90	91	80-120	1	0-20	
Methane	90	91	79-109	1	0-20	

RPD - Relative Percent Difference , CL - Control Limit





GeoSyntec Consultants
 10875 Rancho Bernardo Road, Suite 200
 San Diego, CA 92127-2116

Date Received: N/A
 Work Order No: 09-01-1235
 Preparation: EPA 3510C
 Method: EPA 8015B (M)

Project: Teledyne Ryan

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-308-978	Aqueous	GC 46	01/19/09	01/20/09	090119B07

<u>Parameter</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>%REC CL</u>	<u>RPD</u>	<u>RPD CL</u>	<u>Qualifiers</u>
TPH as Diesel	94	106	75-117	11	0-13	

RPD - Relative Percent Difference , CL - Control Limit



GeoSyntec Consultants
 10875 Rancho Bernardo Road, Suite 200
 San Diego, CA 92127-2116

Date Received: N/A
 Work Order No: 09-01-1235
 Preparation: EPA 3520C
 Method: EPA 8270C(M) Isotope Dilution

Project: Teledyne Ryan

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-09-004-1,184	Aqueous	GC/MS AAA	01/16/09	01/20/09	090116L13D

<u>Parameter</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>%REC CL</u>	<u>RPD</u>	<u>RPD CL</u>	<u>Qualifiers</u>
1,4-Dioxane	97	97	50-130	0	0-20	

RPD - Relative Percent Difference , CL - Control Limit

GeoSyntec Consultants
 10875 Rancho Bernardo Road, Suite 200
 San Diego, CA 92127-2116

Date Received: N/A
 Work Order No: 09-01-1235
 Preparation: N/A
 Method: HPLC/UV

Project: Teledyne Ryan

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-016-171	Aqueous	HPLC 6	N/A	01/16/09	090116L02

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Acetic Acid	101	103	80-120	2	0-20	
Butyric Acid	93	99	80-120	6	0-20	
Lactic Acid	104	103	80-120	1	0-20	
Propionic Acid	103	107	80-120	4	0-20	
Pyruvic Acid	92	92	80-120	0	0-20	

RPD - Relative Percent Difference , CL - Control Limit

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 San Diego, CA 92127-2116

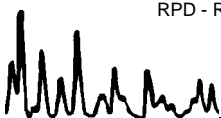
Date Received: N/A
 Work Order No: 09-01-1235
 Preparation: EPA 5030B
 Method: EPA 8260B

Project: Teledyne Ryan

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number		
099-10-006-28,175	Aqueous	GC/MS QQ	01/20/09	01/21/09	090120L03		
Parameter	LCS %REC	LCSD %REC	%REC CL	ME CL	RPD	RPD CL	Qualifiers
Benzene	86	85	84-120	78-126	1	0-8	
Carbon Tetrachloride	82	82	63-147	49-161	0	0-10	
Chlorobenzene	95	96	89-119	84-124	1	0-7	
1,2-Dibromoethane	92	90	80-120	73-127	2	0-20	
1,2-Dichlorobenzene	94	94	89-119	84-124	1	0-9	
1,1-Dichloroethene	96	95	77-125	69-133	1	0-16	
Ethylbenzene	92	93	80-120	73-127	2	0-20	
Toluene	86	84	83-125	76-132	2	0-9	
Trichloroethene	88	89	89-119	84-124	0	0-8	ME
Vinyl Chloride	89	88	63-135	51-147	1	0-13	
Methyl-t-Butyl Ether (MTBE)	97	96	82-118	76-124	1	0-13	
Tert-Butyl Alcohol (TBA)	99	103	46-154	28-172	4	0-32	
Diisopropyl Ether (DIPE)	117	114	81-123	74-130	2	0-11	
Ethyl-t-Butyl Ether (ETBE)	110	108	74-122	66-130	2	0-12	
Tert-Amyl-Methyl Ether (TAME)	92	89	76-124	68-132	3	0-10	
Ethanol	101	103	60-138	47-151	2	0-32	

Total number of LCS compounds : 16
 Total number of ME compounds : 1
 Total number of ME compounds allowed : 1
 LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit



GeoSyntec Consultants
 10875 Rancho Bernardo Road, Suite 200
 San Diego, CA 92127-2116

Date Received:
 Work Order No:

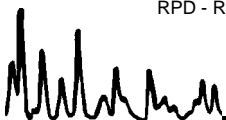
N/A
 09-01-1235

Project: Teledyne Ryan

Matrix: Aqueous

<u>Parameter</u>	<u>Method</u>	<u>Quality Control</u> Sample ID	<u>Date</u> <u>Extracted</u>	<u>Date</u> <u>Analyzed</u>	<u>LCS %</u> <u>REC</u>	<u>LCSD %</u> <u>REC</u>	<u>%REC</u> <u>CL</u>	<u>RPD</u>	<u>RPD</u> <u>CL</u>	<u>Qual</u>
Chloride	EPA 300.0	099-05-118-5,009	N/A	01/16/09	95	94	81-111	1	0-5	
Nitrite (as N)	EPA 300.0	099-05-118-5,009	N/A	01/16/09	99	98	73-115	1	0-26	
Nitrate (as N)	EPA 300.0	099-05-118-5,009	N/A	01/16/09	96	96	87-111	1	0-12	
Sulfate	EPA 300.0	099-05-118-5,009	N/A	01/16/09	99	95	89-107	4	0-13	

RPD - Relative Percent Difference , CL - Control Limit





Environmental

Laboratories, Inc.

Quality Control - Laboratory Control Sample



GeoSyntec Consultants
10875 Rancho Bernardo Road, Suite 200
San Diego, CA 92127-2116

Date Received:
Work Order No:

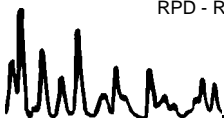
N/A
09-01-1235

Project: Teledyne Ryan

Matrix : Aqueous

<u>Parameter</u>	<u>Method</u>	<u>Quality Control Sample ID</u>	<u>Date Analyzed</u>	<u>Date Extracted</u>	<u>Conc. Added</u>	<u>Conc. Recovered</u>	<u>LCS %Rec</u>	<u>%Rec CL</u>	<u>Qualifiers</u>
Carbon, Total Organic	SM 5310 D	099-05-097-3,235	01/21/09	N/A	5.00	5.04	101	80-120	

RPD - Relative Percent Difference , CL - Control Limit



Work Order Number: 09-01-1235

<u>Qualifier</u>	<u>Definition</u>
*	See applicable analysis comment.
1	Surrogate compound recovery was out of control due to a required sample dilution, therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to matrix interference. The associated LCS and/or LCSD was in control and, therefore, the sample data was reported without further clarification.
4	The MS/MSD RPD was out of control due to matrix interference. The LCS/LCSD RPD was in control and, therefore, the sample data was reported without further clarification.
5	The PDS/PDSD associated with this batch of samples was out of control due to a matrix interference effect. The associated batch LCS/LCSD was in control and, hence, the associated sample data was reported with no further corrective action required.
A	Result is the average of all dilutions, as defined by the method.
B	Analyte was present in the associated method blank.
C	Analyte presence was not confirmed on primary column.
E	Concentration exceeds the calibration range.
H	Sample received and/or analyzed past the recommended holding time.
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
ME	LCS Recovery Percentage is within LCS ME Control Limit range.
N	Nontarget Analyte.
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
U	Undetected at the laboratory method detection limit.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.



BLAINE

TECH SERVICES, INC.

1680 ROGERS AVENUE
SAN JOSE, CALIFORNIA 95112-1105
FAX (408) 573-7771
PHONE (408) 573-0555

CHAIN OF CUSTODY
CLIENT Geosyntec
SITE Teledyne Ryan
2701 N. Harbor Drive
San Diego, CA

BTS #
Geosyntec

Teledyne Ryan

2701 N. Harbor Drive

San Diego, CA

SAMPLE I.D.	DATE	TIME	MATRIX Soil or H2O	CONTAINERS	TOTAL	CONDUCT ANALYSIS TO DETECT	
						VOCs by 8260B	Ethene/Ethane/Methane (RSK 175)
BLD120-mw5	01-15-09	0820	Soil	Various	11	X	X
BLD120-mw4	0918	0918	Soil	Various	11	X	X
BLD102-mw4	1023	1023	Soil	Various	5	X	X
BLD131-mw5	1106	1106	Soil	Various	10	X	X
BLD131-mw4	1153	1153	Soil	Various	5	X	X
BLD120-mw2	1300	1300	Soil	Various	13	X	X
BLD120-mw3	1401	1401	Soil	Various	13	X	X
QCTB-2	0750	0750	Soil	Various	2	X	X
QCEB-3	1434	1434	Soil	Various	3	X	X

SAMPLING PERFORMED BY **Sherry L. Campbell**

SAMPLING COMPLETED 01-15-09 1434

RELEASED BY **[Signature]** DATE 01-15-09 TIME 1500

RECEIVED BY **[Signature]** DATE 1/15/09 TIME 1705

RECEIVED BY **[Signature]** DATE 1/15/09 TIME 1705

SHIPPED VIA

1235

LAB CalScience

SPECIAL INSTRUCTIONS

*Modified 8270= GC/MS isotope dilution to achieve 2ug/L detection limits

**EISB= TOC, sulfate, sulfide, nitrate, nitrite, chloride, and organic acids

Brian Hitchens

Geosyntec: 10875 Rancho Bernardo Rd, suite 200
San Diego, CA 92127
(858) 674-6559

ADDITIONAL INFORMATION

STATUS

CONDITION

LAB SAMPLE #

1			
2			
3			
4			
5			
6			
7			
8			
9			

RESULTS NEEDED
NO LATER THAN

CONDUCT ANALYSIS TO DETECT	DATE	TIME	RECEIVED BY
VOCs by 8260B	01-15-09	1500	[Signature]
Ethene/Ethane/Methane (RSK 175)	1/15/09	1705	[Signature]
SVOCs 8270 SIM Super	1/15/09	1705	[Signature]
TPH (8015)			
PCBs (1668A)			
Metals (6010B/7470A)			
1,4-Dioxane (Modified 8270)*			
EISB Sampling Suite**			
Total Chromium/Hexavalent Chromium			

SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: Blaine Tech

DATE: 1/15/19

TEMPERATURE: (Criteria: 0.0°C – 6.0°C, not frozen)

Temperature 1.9 °C - 0.2°C (CF) = 1.7 °C Blank Sample

Sample(s) outside temperature criteria (PM/APM contacted by: _____).

Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling.

Received at ambient temperature, placed on ice for transport by Courier.

Ambient Temperature: Air Filter Metals Only PCBs Only

Initial: [Signature]

CUSTODY SEALS INTACT:

Cooler _____ No (Not Intact) Not Present N/A

Initial: [Signature]

Sample _____ No (Not Intact) Not Present

Initial: [Signature]

SAMPLE CONDITION:

	Yes	No	N/A
Chain-Of-Custody (COC) document(s) received with samples.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
COC document(s) received complete.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sampler's name indicated on COC.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sample container label(s) consistent with COC.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sample container(s) intact and good condition.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Correct containers and volume for analyses requested.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Analyses received within holding time.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Proper preservation noted on COC or sample container.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Volatile analysis container(s) free of headspace.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Tedlar bag(s) free of condensation.....	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

CONTAINER TYPE:

Solid: 4ozCGJ 8ozCGJ 16ozCGJ Sleeve EnCores® TerraCores® _____

Water: VOA VOA⁵⁻³h VOArp 125AGB 125AGBh 125AGBpo₄ 1AGB 1AGBna₂⁽⁶⁾⁽⁷⁾³

1AGBs 500AGB 500AGBs 1250CGB 1250CGBs 1PB 500PB 500PBna 250PB

250PBn 125PB 125PBz_{nn}a 100PBsterile 100PBna₂ 125PB^{125PB}_{H3PO4} _____ _____

Air: Tedlar® Summa® _____

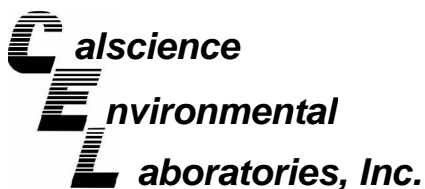
Checked/Labeled by: AD

Container: C:Clear A:Amber P:Poly/Plastic G:Glass J:Jar B:Bottle

Reviewed by: [Signature]

Preservative: h:HCL n:HNO₃ na₂:Na₂S₂O₈ naH₂PO₄ po₄:H₃PO₄ s:Si SO₂ z_{nn}a:ZnAc₂+NaOH

Scanned by: [Signature]



January 28, 2009

Brian Hitchens
GeoSyntec Consultants
10875 Rancho Bernardo Road, Suite 200
San Diego, CA 92127-2116

Subject: **Calscience Work Order No.: 09-01-1093**
Client Reference: Teledyne Ryan

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 1/14/2009 and analyzed in accordance with the attached chain-of-custody.

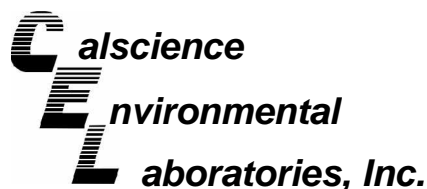
Unless otherwise noted, all analytical testing was accomplished in accordance with the guidelines established in our Quality Systems Manual, applicable standard operating procedures, and other related documentation. The original report of subcontracted analysis, if any, is provided herein, and follows the standard Calscience data package. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety.

If you have any questions regarding this report, please do not hesitate to contact the undersigned.

Sincerely,

A handwritten signature in black ink, appearing to read "S. Nowak".

Calscience Environmental
Laboratories, Inc.
Stephen Nowak
Project Manager



Analytical Report



GeoSyntec Consultants
10875 Rancho Bernardo Road, Suite 200
San Diego, CA 92127-2116

Date Received: 01/14/09
Work Order No: 09-01-1093
Preparation: N/A
Method: RSK-175M

Project: Teledyne Ryan

Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
BLD131-MW2	09-01-1093-1-D	01/14/09 14:00	Aqueous	GC 52	N/A	01/15/09 00:00	090115L01

Comment(s): -Results were evaluated to the MDL, concentrations \geq to the MDL but $<$ RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units
Ethane	1.78	1.00	0.00547	1		ug/L
Ethylene	144	2.00	0.187	2		ug/L
Methane	2720	20.0	0.157	20		ug/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
BLD131-MW3	09-01-1093-3-D	01/14/09 13:08	Aqueous	GC 52	N/A	01/15/09 00:00	090115L01

Comment(s): -Results were evaluated to the MDL, concentrations \geq to the MDL but $<$ RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units
Ethane	1.50	1.00	0.00547	1		ug/L
Ethylene	5.86	1.00	0.0933	1		ug/L
Methane	3750	20.0	0.157	20		ug/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-12-661-158	N/A	Aqueous	GC 52	N/A	01/15/09 00:00	090115L01

Comment(s): -Results were evaluated to the MDL, concentrations \geq to the MDL but $<$ RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units
Ethane	ND	1.00	0.00547	1		ug/L
Ethylene	ND	1.00	0.0933	1		ug/L
Methane	ND	1.00	0.00784	1		ug/L

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Analytical Report



GeoSyntec Consultants
10875 Rancho Bernardo Road, Suite 200
San Diego, CA 92127-2116

Date Received: 01/14/09
Work Order No: 09-01-1093
Preparation: EPA 3520C
Method: EPA 8270C(M) Isotope
Dilution

Project: Teledyne Ryan

Page 1 of 2

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
BLD131-MW2	09-01-1093-1-J	01/14/09 14:00	Aqueous	GC/MS AAA	01/15/09	01/19/09 20:29	090115L19D

Comment(s): -Results were evaluated to the MDL, concentrations \geq to the MDL but $<$ RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units
1,4-Dioxane	16	2.0	0.40	1		ug/L
Surrogates:	REC (%)	Control Limits			Qual	
Nitrobenzene-d5	108	56-123				

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
BLD131-MW2D	09-01-1093-2-D	01/14/09 13:09	Aqueous	GC/MS AAA	01/15/09	01/19/09 20:53	090115L19D

Comment(s): -Results were evaluated to the MDL, concentrations \geq to the MDL but $<$ RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units
1,4-Dioxane	ND	2.0	0.40	1		ug/L
Surrogates:	REC (%)	Control Limits			Qual	
Nitrobenzene-d5	108	56-123				

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
BLD131-MW3	09-01-1093-3-J	01/14/09 13:08	Aqueous	GC/MS AAA	01/15/09	01/19/09 21:17	090115L19D

Comment(s): -Results were evaluated to the MDL, concentrations \geq to the MDL but $<$ RL, if found, are qualified with a "J" flag.

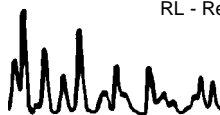
Parameter	Result	RL	MDL	DF	Qual	Units
1,4-Dioxane	200	2.0	0.40	1		ug/L
Surrogates:	REC (%)	Control Limits			Qual	
Nitrobenzene-d5	95	56-123				

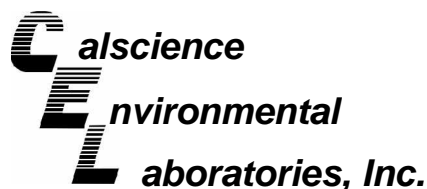
Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
BLD131-MW3D	09-01-1093-4-D	01/14/09 14:18	Aqueous	GC/MS AAA	01/15/09	01/19/09 21:40	090115L19D

Comment(s): -Results were evaluated to the MDL, concentrations \geq to the MDL but $<$ RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units
1,4-Dioxane	ND	2.0	0.40	1		ug/L
Surrogates:	REC (%)	Control Limits			Qual	
Nitrobenzene-d5	104	56-123				

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers





Analytical Report



GeoSyntec Consultants
10875 Rancho Bernardo Road, Suite 200
San Diego, CA 92127-2116

Date Received: 01/14/09
Work Order No: 09-01-1093
Preparation: EPA 3520C
Method: EPA 8270C(M) Isotope Dilution

Project: Teledyne Ryan

Page 2 of 2

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-09-004-1,183	N/A	Aqueous	GC/MS AAA	01/15/09	01/19/09 15:17	090115L19D

Comment(s): -Results were evaluated to the MDL, concentrations \geq to the MDL but $<$ RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units
1,4-Dioxane	ND	2.0	0.40	1		ug/L
Surrogates:	REC (%)	Control Limits			Qual	
Nitrobenzene-d5	111	56-123				

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Analytical Report



GeoSyntec Consultants
10875 Rancho Bernardo Road, Suite 200
San Diego, CA 92127-2116

Date Received: 01/14/09
Work Order No: 09-01-1093
Preparation: N/A
Method: HPLC/UV

Project: Teledyne Ryan

Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
BLD131-MW2	09-01-1093-1-G	01/14/09 14:00	Aqueous	HPLC 6	N/A	01/17/09 02:35	090116L02

Comment(s): -Results were evaluated to the MDL, concentrations \geq to the MDL but $<$ RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units
Acetic Acid	11	1.0	0.78	1		mg/L
Butyric Acid	ND	1.0	0.83	1		mg/L
Lactic Acid	ND	1.0	0.72	1		mg/L
Propionic Acid	ND	1.0	0.77	1		mg/L
Pyruvic Acid	ND	0.50	0.091	1		mg/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>			<u>Qual</u>	
Dibromopropionic Acid	92	80-120				

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
BLD131-MW3	09-01-1093-3-G	01/14/09 13:08	Aqueous	HPLC 6	N/A	01/17/09 02:58	090116L02

Comment(s): -Results were evaluated to the MDL, concentrations \geq to the MDL but $<$ RL, if found, are qualified with a "J" flag.

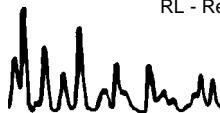
Parameter	Result	RL	MDL	DF	Qual	Units
Acetic Acid	ND	1.0	0.78	1		mg/L
Butyric Acid	ND	1.0	0.83	1		mg/L
Lactic Acid	ND	1.0	0.72	1		mg/L
Propionic Acid	ND	1.0	0.77	1		mg/L
Pyruvic Acid	ND	0.50	0.091	1		mg/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>			<u>Qual</u>	
Dibromopropionic Acid	92	80-120				

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-12-016-171	N/A	Aqueous	HPLC 6	N/A	01/16/09 23:31	090116L02

Comment(s): -Results were evaluated to the MDL, concentrations \geq to the MDL but $<$ RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units
Acetic Acid	ND	1.0	0.78	1		mg/L
Butyric Acid	ND	1.0	0.83	1		mg/L
Lactic Acid	ND	1.0	0.72	1		mg/L
Propionic Acid	ND	1.0	0.77	1		mg/L
Pyruvic Acid	ND	0.50	0.091	1		mg/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>			<u>Qual</u>	
Dibromopropionic Acid	91	80-120				

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Analytical Report



GeoSyntec Consultants
10875 Rancho Bernardo Road, Suite 200
San Diego, CA 92127-2116

Date Received: 01/14/09
Work Order No: 09-01-1093
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/L

Project: Teledyne Ryan

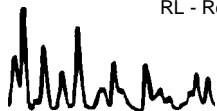
Page 1 of 8

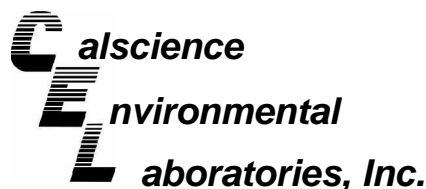
Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
BLD131-MW2	09-01-1093-1-A	01/14/09 14:00	Aqueous	GC/MS O	01/17/09	01/17/09 17:11	090117L01

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	50	9.1	1		1,3-Dichloropropane	ND	1.0	0.38	1	
Benzene	1.4	0.50	0.28	1		2,2-Dichloropropane	ND	1.0	0.46	1	
Bromobenzene	ND	1.0	0.33	1		1,1-Dichloropropene	ND	1.0	0.26	1	
Bromochloromethane	ND	1.0	0.69	1		c-1,3-Dichloropropene	ND	0.50	0.28	1	
Bromodichloromethane	ND	1.0	0.33	1		t-1,3-Dichloropropene	ND	0.50	0.36	1	
Bromoform	ND	1.0	0.55	1		Ethylbenzene	ND	1.0	0.22	1	
Bromomethane	ND	10	4.3	1		2-Hexanone	ND	10	6.9	1	
2-Butanone	ND	10	6.9	1		Isopropylbenzene	ND	1.0	0.23	1	
n-Butylbenzene	ND	1.0	0.28	1		p-Isopropyltoluene	ND	1.0	0.26	1	
sec-Butylbenzene	ND	1.0	0.20	1		Methylene Chloride	ND	10	2.6	1	
tert-Butylbenzene	ND	1.0	0.28	1		4-Methyl-2-Pentanone	ND	10	4.4	1	
Carbon Disulfide	ND	10	1.9	1		Naphthalene	ND	10	2.5	1	
Carbon Tetrachloride	ND	0.50	0.43	1		n-Propylbenzene	ND	1.0	0.79	1	
Chlorobenzene	2.0	1.0	0.22	1		Styrene	ND	1.0	0.30	1	
Chloroethane	1.6	5.0	1.3	1	J	1,1,1,2-Tetrachloroethane	ND	1.0	0.35	1	
Chloroform	ND	1.0	0.33	1		1,1,2,2-Tetrachloroethane	ND	1.0	0.44	1	
Chloromethane	ND	10	0.49	1		Tetrachloroethene	ND	1.0	0.51	1	
2-Chlorotoluene	ND	1.0	0.55	1		Toluene	0.52	1.0	0.33	1	J
4-Chlorotoluene	ND	1.0	0.21	1		1,2,3-Trichlorobenzene	ND	1.0	0.31	1	
Dibromochloromethane	ND	1.0	0.48	1		1,2,4-Trichlorobenzene	ND	1.0	0.49	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	3.1	1		1,1,1-Trichloroethane	ND	1.0	0.45	1	
1,2-Dibromoethane	ND	1.0	0.47	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.64	1	
Dibromomethane	ND	1.0	0.59	1		1,1,2-Trichloroethane	ND	1.0	0.54	1	
1,2-Dichlorobenzene	6.6	1.0	0.27	1		Trichloroethene	ND	1.0	0.30	1	
1,3-Dichlorobenzene	0.41	1.0	0.28	1	J	Trichlorofluoromethane	ND	10	0.31	1	
1,4-Dichlorobenzene	12	1.0	0.21	1		1,2,3-Trichloropropane	ND	5.0	1.3	1	
Dichlorodifluoromethane	ND	1.0	0.49	1		1,2,4-Trimethylbenzene	0.55	1.0	0.24	1	J
1,1-Dichloroethane	ND	1.0	0.37	1		1,3,5-Trimethylbenzene	0.54	1.0	0.23	1	J
1,2-Dichloroethane	ND	0.50	0.31	1		Vinyl Acetate	ND	10	7.1	1	
1,1-Dichloroethene	ND	1.0	0.40	1		Vinyl Chloride	98	0.50	0.33	1	
c-1,2-Dichloroethene	40	1.0	0.49	1		p/m-Xylene	0.64	1.0	0.45	1	J
t-1,2-Dichloroethene	2.2	1.0	0.40	1		o-Xylene	0.44	1.0	0.24	1	J
1,2-Dichloropropane	ND	1.0	0.38	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.30	1	
Surrogates:	REC (%)	Control Limits		Qual		Surrogates:	REC (%)	I Limits		Qual	
Dibromofluoromethane	98	82-130				1,2-Dichloroethane-d4	94	75-141			
Toluene-d8	104	83-113				1,4-Bromofluorobenzene	98	70-118			

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers





Analytical Report



GeoSyntec Consultants
10875 Rancho Bernardo Road, Suite 200
San Diego, CA 92127-2116

Date Received: 01/14/09
Work Order No: 09-01-1093
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/L

Project: Teledyne Ryan

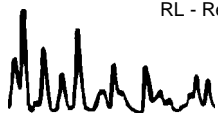
Page 2 of 8

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
BLD131-MW2D	09-01-1093-2-A	01/14/09 13:09	Aqueous	GC/MS O	01/17/09	01/17/09 17:38	090117L01

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	50	9.1	1		1,3-Dichloropropane	ND	1.0	0.38	1	
Benzene	ND	0.50	0.28	1		2,2-Dichloropropane	ND	1.0	0.46	1	
Bromobenzene	ND	1.0	0.33	1		1,1-Dichloropropene	ND	1.0	0.26	1	
Bromochloromethane	ND	1.0	0.69	1		c-1,3-Dichloropropene	ND	0.50	0.28	1	
Bromodichloromethane	ND	1.0	0.33	1		t-1,3-Dichloropropene	ND	0.50	0.36	1	
Bromoform	ND	1.0	0.55	1		Ethylbenzene	ND	1.0	0.22	1	
Bromomethane	ND	10	4.3	1		2-Hexanone	ND	10	6.9	1	
2-Butanone	ND	10	6.9	1		Isopropylbenzene	ND	1.0	0.23	1	
n-Butylbenzene	ND	1.0	0.28	1		p-Isopropyltoluene	ND	1.0	0.26	1	
sec-Butylbenzene	ND	1.0	0.20	1		Methylene Chloride	ND	10	2.6	1	
tert-Butylbenzene	ND	1.0	0.28	1		4-Methyl-2-Pentanone	ND	10	4.4	1	
Carbon Disulfide	ND	10	1.9	1		Naphthalene	ND	10	2.5	1	
Carbon Tetrachloride	ND	0.50	0.43	1		n-Propylbenzene	ND	1.0	0.79	1	
Chlorobenzene	ND	1.0	0.22	1		Styrene	ND	1.0	0.30	1	
Chloroethane	ND	5.0	1.3	1		1,1,1,2-Tetrachloroethane	ND	1.0	0.35	1	
Chloroform	ND	1.0	0.33	1		1,1,2,2-Tetrachloroethane	ND	1.0	0.44	1	
Chloromethane	ND	10	0.49	1		Tetrachloroethene	2.3	1.0	0.51	1	
2-Chlorotoluene	ND	1.0	0.55	1		Toluene	ND	1.0	0.33	1	
4-Chlorotoluene	ND	1.0	0.21	1		1,2,3-Trichlorobenzene	ND	1.0	0.31	1	
Dibromochloromethane	ND	1.0	0.48	1		1,2,4-Trichlorobenzene	ND	1.0	0.49	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	3.1	1		1,1,1-Trichloroethane	ND	1.0	0.45	1	
1,2-Dibromoethane	ND	1.0	0.47	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.64	1	
Dibromomethane	ND	1.0	0.59	1		1,1,2-Trichloroethane	ND	1.0	0.54	1	
1,2-Dichlorobenzene	ND	1.0	0.27	1		Trichloroethene	1.8	1.0	0.30	1	
1,3-Dichlorobenzene	ND	1.0	0.28	1		Trichlorofluoromethane	ND	10	0.31	1	
1,4-Dichlorobenzene	ND	1.0	0.21	1		1,2,3-Trichloropropane	ND	5.0	1.3	1	
Dichlorodifluoromethane	ND	1.0	0.49	1		1,2,4-Trimethylbenzene	0.46	1.0	0.24	1	J
1,1-Dichloroethane	ND	1.0	0.37	1		1,3,5-Trimethylbenzene	ND	1.0	0.23	1	
1,2-Dichloroethane	ND	0.50	0.31	1		Vinyl Acetate	ND	10	7.1	1	
1,1-Dichloroethene	ND	1.0	0.40	1		Vinyl Chloride	ND	0.50	0.33	1	
c-1,2-Dichloroethene	2.5	1.0	0.49	1		p/m-Xylene	0.50	1.0	0.45	1	J
t-1,2-Dichloroethene	ND	1.0	0.40	1		o-Xylene	0.31	1.0	0.24	1	J
1,2-Dichloropropane	ND	1.0	0.38	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.30	1	
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>			<u>Qual</u>	<u>Surrogates:</u>	<u>REC (%)</u>	<u>I Limits</u>			<u>Qual</u>
Dibromofluoromethane	101	82-130				1,2-Dichloroethane-d4	98	75-141			
Toluene-d8	103	83-113				1,4-Bromofluorobenzene	97	70-118			

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Analytical Report



GeoSyntec Consultants
10875 Rancho Bernardo Road, Suite 200
San Diego, CA 92127-2116

Date Received: 01/14/09
Work Order No: 09-01-1093
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/L

Project: Teledyne Ryan

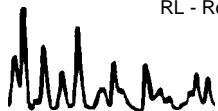
Page 3 of 8

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
BLD131-MW3	09-01-1093-3-A	01/14/09 13:08	Aqueous	GC/MS O	01/17/09	01/17/09 18:05	090117L01

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	50	9.1	1		1,3-Dichloropropane	ND	1.0	0.38	1	
Benzene	2.4	0.50	0.28	1		2,2-Dichloropropane	ND	1.0	0.46	1	
Bromobenzene	ND	1.0	0.33	1		1,1-Dichloropropene	ND	1.0	0.26	1	
Bromochloromethane	ND	1.0	0.69	1		c-1,3-Dichloropropene	ND	0.50	0.28	1	
Bromodichloromethane	ND	1.0	0.33	1		t-1,3-Dichloropropene	ND	0.50	0.36	1	
Bromoform	ND	1.0	0.55	1		Ethylbenzene	ND	1.0	0.22	1	
Bromomethane	ND	10	4.3	1		2-Hexanone	ND	10	6.9	1	
2-Butanone	ND	10	6.9	1		Isopropylbenzene	ND	1.0	0.23	1	
n-Butylbenzene	ND	1.0	0.28	1		p-Isopropyltoluene	ND	1.0	0.26	1	
sec-Butylbenzene	ND	1.0	0.20	1		Methylene Chloride	ND	10	2.6	1	
tert-Butylbenzene	ND	1.0	0.28	1		4-Methyl-2-Pentanone	ND	10	4.4	1	
Carbon Disulfide	ND	10	1.9	1		Naphthalene	ND	10	2.5	1	
Carbon Tetrachloride	ND	0.50	0.43	1		n-Propylbenzene	ND	1.0	0.79	1	
Chlorobenzene	ND	1.0	0.22	1		Styrene	ND	1.0	0.30	1	
Chloroethane	ND	5.0	1.3	1		1,1,1,2-Tetrachloroethane	ND	1.0	0.35	1	
Chloroform	ND	1.0	0.33	1		1,1,2,2-Tetrachloroethane	ND	1.0	0.44	1	
Chloromethane	ND	10	0.49	1		Tetrachloroethene	ND	1.0	0.51	1	
2-Chlorotoluene	ND	1.0	0.55	1		Toluene	0.54	1.0	0.33	1	J
4-Chlorotoluene	ND	1.0	0.21	1		1,2,3-Trichlorobenzene	ND	1.0	0.31	1	
Dibromochloromethane	ND	1.0	0.48	1		1,2,4-Trichlorobenzene	ND	1.0	0.49	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	3.1	1		1,1,1-Trichloroethane	ND	1.0	0.45	1	
1,2-Dibromoethane	ND	1.0	0.47	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.64	1	
Dibromomethane	ND	1.0	0.59	1		1,1,2-Trichloroethane	ND	1.0	0.54	1	
1,2-Dichlorobenzene	ND	1.0	0.27	1		Trichloroethene	ND	1.0	0.30	1	
1,3-Dichlorobenzene	ND	1.0	0.28	1		Trichlorofluoromethane	ND	10	0.31	1	
1,4-Dichlorobenzene	2.4	1.0	0.21	1		1,2,3-Trichloropropane	ND	5.0	1.3	1	
Dichlorodifluoromethane	ND	1.0	0.49	1		1,2,4-Trimethylbenzene	ND	1.0	0.24	1	
1,1-Dichloroethane	ND	1.0	0.37	1		1,3,5-Trimethylbenzene	ND	1.0	0.23	1	
1,2-Dichloroethane	ND	0.50	0.31	1		Vinyl Acetate	ND	10	7.1	1	
1,1-Dichloroethene	ND	1.0	0.40	1		Vinyl Chloride	1.0	0.50	0.33	1	
c-1,2-Dichloroethene	0.98	1.0	0.49	1	J	p/m-Xylene	ND	1.0	0.45	1	
t-1,2-Dichloroethene	1.1	1.0	0.40	1		o-Xylene	ND	1.0	0.24	1	
1,2-Dichloropropane	ND	1.0	0.38	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.30	1	
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>			<u>Qual</u>	<u>Surrogates:</u>	<u>REC (%)</u>	<u>ILimits</u>			<u>Qual</u>
Dibromofluoromethane	99	82-130				1,2-Dichloroethane-d4	95	75-141			
Toluene-d8	103	83-113				1,4-Bromofluorobenzene	97	70-118			

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Analytical Report



GeoSyntec Consultants
10875 Rancho Bernardo Road, Suite 200
San Diego, CA 92127-2116

Date Received: 01/14/09
Work Order No: 09-01-1093
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/L

Project: Teledyne Ryan

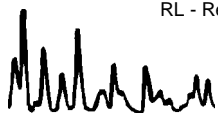
Page 4 of 8

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
BLD131-MW3D	09-01-1093-4-A	01/14/09 14:18	Aqueous	GC/MS O	01/17/09	01/17/09 18:32	090117L01

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	50	9.1	1		1,3-Dichloropropane	ND	1.0	0.38	1	
Benzene	ND	0.50	0.28	1		2,2-Dichloropropane	ND	1.0	0.46	1	
Bromobenzene	ND	1.0	0.33	1		1,1-Dichloropropene	ND	1.0	0.26	1	
Bromochloromethane	ND	1.0	0.69	1		c-1,3-Dichloropropene	ND	0.50	0.28	1	
Bromodichloromethane	ND	1.0	0.33	1		t-1,3-Dichloropropene	ND	0.50	0.36	1	
Bromoform	ND	1.0	0.55	1		Ethylbenzene	ND	1.0	0.22	1	
Bromomethane	ND	10	4.3	1		2-Hexanone	ND	10	6.9	1	
2-Butanone	ND	10	6.9	1		Isopropylbenzene	ND	1.0	0.23	1	
n-Butylbenzene	ND	1.0	0.28	1		p-Isopropyltoluene	ND	1.0	0.26	1	
sec-Butylbenzene	ND	1.0	0.20	1		Methylene Chloride	ND	10	2.6	1	
tert-Butylbenzene	ND	1.0	0.28	1		4-Methyl-2-Pentanone	ND	10	4.4	1	
Carbon Disulfide	ND	10	1.9	1		Naphthalene	ND	10	2.5	1	
Carbon Tetrachloride	ND	0.50	0.43	1		n-Propylbenzene	ND	1.0	0.79	1	
Chlorobenzene	ND	1.0	0.22	1		Styrene	ND	1.0	0.30	1	
Chloroethane	ND	5.0	1.3	1		1,1,1,2-Tetrachloroethane	ND	1.0	0.35	1	
Chloroform	ND	1.0	0.33	1		1,1,2,2-Tetrachloroethane	ND	1.0	0.44	1	
Chloromethane	ND	10	0.49	1		Tetrachloroethene	ND	1.0	0.51	1	
2-Chlorotoluene	ND	1.0	0.55	1		Toluene	ND	1.0	0.33	1	
4-Chlorotoluene	ND	1.0	0.21	1		1,2,3-Trichlorobenzene	ND	1.0	0.31	1	
Dibromochloromethane	ND	1.0	0.48	1		1,2,4-Trichlorobenzene	ND	1.0	0.49	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	3.1	1		1,1,1-Trichloroethane	ND	1.0	0.45	1	
1,2-Dibromoethane	ND	1.0	0.47	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.64	1	
Dibromomethane	ND	1.0	0.59	1		1,1,2-Trichloroethane	ND	1.0	0.54	1	
1,2-Dichlorobenzene	ND	1.0	0.27	1		Trichloroethene	2.8	1.0	0.30	1	
1,3-Dichlorobenzene	ND	1.0	0.28	1		Trichlorofluoromethane	ND	10	0.31	1	
1,4-Dichlorobenzene	ND	1.0	0.21	1		1,2,3-Trichloropropane	ND	5.0	1.3	1	
Dichlorodifluoromethane	ND	1.0	0.49	1		1,2,4-Trimethylbenzene	ND	1.0	0.24	1	
1,1-Dichloroethane	ND	1.0	0.37	1		1,3,5-Trimethylbenzene	ND	1.0	0.23	1	
1,2-Dichloroethane	ND	0.50	0.31	1		Vinyl Acetate	ND	10	7.1	1	
1,1-Dichloroethene	ND	1.0	0.40	1		Vinyl Chloride	ND	0.50	0.33	1	
c-1,2-Dichloroethene	0.77	1.0	0.49	1	J	p/m-Xylene	ND	1.0	0.45	1	
t-1,2-Dichloroethene	ND	1.0	0.40	1		o-Xylene	ND	1.0	0.24	1	
1,2-Dichloropropane	ND	1.0	0.38	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.30	1	
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>			<u>Qual</u>	<u>Surrogates:</u>	<u>REC (%)</u>	<u>I Limits</u>			<u>Qual</u>
Dibromofluoromethane	104	82-130				1,2-Dichloroethane-d4	102	75-141			
Toluene-d8	104	83-113				1,4-Bromofluorobenzene	97	70-118			

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Analytical Report



GeoSyntec Consultants
10875 Rancho Bernardo Road, Suite 200
San Diego, CA 92127-2116

Date Received: 01/14/09
Work Order No: 09-01-1093
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/L

Project: Teledyne Ryan

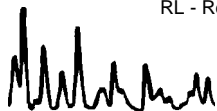
Page 5 of 8

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
QCTB-1	09-01-1093-5-A	01/14/09 12:00	Aqueous	GC/MS O	01/17/09	01/17/09 19:00	090117L01

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	50	9.1	1		1,3-Dichloropropane	ND	1.0	0.38	1	
Benzene	ND	0.50	0.28	1		2,2-Dichloropropane	ND	1.0	0.46	1	
Bromobenzene	ND	1.0	0.33	1		1,1-Dichloropropene	ND	1.0	0.26	1	
Bromochloromethane	ND	1.0	0.69	1		c-1,3-Dichloropropene	ND	0.50	0.28	1	
Bromodichloromethane	ND	1.0	0.33	1		t-1,3-Dichloropropene	ND	0.50	0.36	1	
Bromoform	ND	1.0	0.55	1		Ethylbenzene	ND	1.0	0.22	1	
Bromomethane	ND	10	4.3	1		2-Hexanone	ND	10	6.9	1	
2-Butanone	ND	10	6.9	1		Isopropylbenzene	ND	1.0	0.23	1	
n-Butylbenzene	ND	1.0	0.28	1		p-Isopropyltoluene	ND	1.0	0.26	1	
sec-Butylbenzene	ND	1.0	0.20	1		Methylene Chloride	ND	10	2.6	1	
tert-Butylbenzene	ND	1.0	0.28	1		4-Methyl-2-Pentanone	ND	10	4.4	1	
Carbon Disulfide	ND	10	1.9	1		Naphthalene	ND	10	2.5	1	
Carbon Tetrachloride	ND	0.50	0.43	1		n-Propylbenzene	ND	1.0	0.79	1	
Chlorobenzene	ND	1.0	0.22	1		Styrene	ND	1.0	0.30	1	
Chloroethane	ND	5.0	1.3	1		1,1,1,2-Tetrachloroethane	ND	1.0	0.35	1	
Chloroform	ND	1.0	0.33	1		1,1,2,2-Tetrachloroethane	ND	1.0	0.44	1	
Chloromethane	ND	10	0.49	1		Tetrachloroethene	ND	1.0	0.51	1	
2-Chlorotoluene	ND	1.0	0.55	1		Toluene	ND	1.0	0.33	1	
4-Chlorotoluene	ND	1.0	0.21	1		1,2,3-Trichlorobenzene	ND	1.0	0.31	1	
Dibromochloromethane	ND	1.0	0.48	1		1,2,4-Trichlorobenzene	ND	1.0	0.49	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	3.1	1		1,1,1-Trichloroethane	ND	1.0	0.45	1	
1,2-Dibromoethane	ND	1.0	0.47	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.64	1	
Dibromomethane	ND	1.0	0.59	1		1,1,2-Trichloroethane	ND	1.0	0.54	1	
1,2-Dichlorobenzene	ND	1.0	0.27	1		Trichloroethene	ND	1.0	0.30	1	
1,3-Dichlorobenzene	ND	1.0	0.28	1		Trichlorofluoromethane	ND	10	0.31	1	
1,4-Dichlorobenzene	ND	1.0	0.21	1		1,2,3-Trichloropropane	ND	5.0	1.3	1	
Dichlorodifluoromethane	ND	1.0	0.49	1		1,2,4-Trimethylbenzene	ND	1.0	0.24	1	
1,1-Dichloroethane	ND	1.0	0.37	1		1,3,5-Trimethylbenzene	ND	1.0	0.23	1	
1,2-Dichloroethane	ND	0.50	0.31	1		Vinyl Acetate	ND	10	7.1	1	
1,1-Dichloroethene	ND	1.0	0.40	1		Vinyl Chloride	ND	0.50	0.33	1	
c-1,2-Dichloroethene	ND	1.0	0.49	1		p/m-Xylene	ND	1.0	0.45	1	
t-1,2-Dichloroethene	ND	1.0	0.40	1		o-Xylene	ND	1.0	0.24	1	
1,2-Dichloropropane	ND	1.0	0.38	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.30	1	
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>			<u>Qual</u>	<u>Surrogates:</u>	<u>REC (%)</u>	<u>I Limits</u>			<u>Qual</u>
Dibromofluoromethane	102	82-130				1,2-Dichloroethane-d4	97	75-141			
Toluene-d8	101	83-113				1,4-Bromofluorobenzene	96	70-118			

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Analytical Report



GeoSyntec Consultants
10875 Rancho Bernardo Road, Suite 200
San Diego, CA 92127-2116

Date Received: 01/14/09
Work Order No: 09-01-1093
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/L

Project: Teledyne Ryan

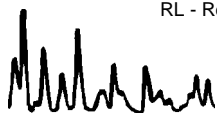
Page 6 of 8

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
QCEB-1	09-01-1093-6-A	01/14/09 14:40	Aqueous	GC/MS O	01/17/09	01/17/09 19:27	090117L01

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	50	9.1	1		1,3-Dichloropropane	ND	1.0	0.38	1	
Benzene	ND	0.50	0.28	1		2,2-Dichloropropane	ND	1.0	0.46	1	
Bromobenzene	ND	1.0	0.33	1		1,1-Dichloropropene	ND	1.0	0.26	1	
Bromochloromethane	ND	1.0	0.69	1		c-1,3-Dichloropropene	ND	0.50	0.28	1	
Bromodichloromethane	ND	1.0	0.33	1		t-1,3-Dichloropropene	ND	0.50	0.36	1	
Bromoform	ND	1.0	0.55	1		Ethylbenzene	ND	1.0	0.22	1	
Bromomethane	ND	10	4.3	1		2-Hexanone	ND	10	6.9	1	
2-Butanone	ND	10	6.9	1		Isopropylbenzene	ND	1.0	0.23	1	
n-Butylbenzene	ND	1.0	0.28	1		p-Isopropyltoluene	ND	1.0	0.26	1	
sec-Butylbenzene	ND	1.0	0.20	1		Methylene Chloride	ND	10	2.6	1	
tert-Butylbenzene	ND	1.0	0.28	1		4-Methyl-2-Pentanone	ND	10	4.4	1	
Carbon Disulfide	ND	10	1.9	1		Naphthalene	ND	10	2.5	1	
Carbon Tetrachloride	ND	0.50	0.43	1		n-Propylbenzene	ND	1.0	0.79	1	
Chlorobenzene	ND	1.0	0.22	1		Styrene	ND	1.0	0.30	1	
Chloroethane	ND	5.0	1.3	1		1,1,1,2-Tetrachloroethane	ND	1.0	0.35	1	
Chloroform	ND	1.0	0.33	1		1,1,2,2-Tetrachloroethane	ND	1.0	0.44	1	
Chloromethane	ND	10	0.49	1		Tetrachloroethene	ND	1.0	0.51	1	
2-Chlorotoluene	ND	1.0	0.55	1		Toluene	ND	1.0	0.33	1	
4-Chlorotoluene	ND	1.0	0.21	1		1,2,3-Trichlorobenzene	ND	1.0	0.31	1	
Dibromochloromethane	ND	1.0	0.48	1		1,2,4-Trichlorobenzene	ND	1.0	0.49	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	3.1	1		1,1,1-Trichloroethane	ND	1.0	0.45	1	
1,2-Dibromoethane	ND	1.0	0.47	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.64	1	
Dibromomethane	ND	1.0	0.59	1		1,1,2-Trichloroethane	ND	1.0	0.54	1	
1,2-Dichlorobenzene	ND	1.0	0.27	1		Trichloroethene	ND	1.0	0.30	1	
1,3-Dichlorobenzene	ND	1.0	0.28	1		Trichlorofluoromethane	ND	10	0.31	1	
1,4-Dichlorobenzene	ND	1.0	0.21	1		1,2,3-Trichloropropane	ND	5.0	1.3	1	
Dichlorodifluoromethane	ND	1.0	0.49	1		1,2,4-Trimethylbenzene	ND	1.0	0.24	1	
1,1-Dichloroethane	ND	1.0	0.37	1		1,3,5-Trimethylbenzene	ND	1.0	0.23	1	
1,2-Dichloroethane	ND	0.50	0.31	1		Vinyl Acetate	ND	10	7.1	1	
1,1-Dichloroethene	ND	1.0	0.40	1		Vinyl Chloride	ND	0.50	0.33	1	
c-1,2-Dichloroethene	ND	1.0	0.49	1		p/m-Xylene	ND	1.0	0.45	1	
t-1,2-Dichloroethene	ND	1.0	0.40	1		o-Xylene	ND	1.0	0.24	1	
1,2-Dichloropropane	ND	1.0	0.38	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.30	1	
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>			<u>Qual</u>	<u>Surrogates:</u>	<u>REC (%)</u>	<u>I Limits</u>			<u>Qual</u>
Dibromofluoromethane	100	82-130				1,2-Dichloroethane-d4	96	75-141			
Toluene-d8	102	83-113				1,4-Bromofluorobenzene	97	70-118			

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Analytical Report



GeoSyntec Consultants
10875 Rancho Bernardo Road, Suite 200
San Diego, CA 92127-2116

Date Received: 01/14/09
Work Order No: 09-01-1093
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/L

Project: Teledyne Ryan

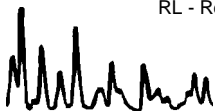
Page 7 of 8

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
QCEB-2	09-01-1093-7-A	01/14/09 14:25	Aqueous	GC/MS O	01/17/09	01/17/09 19:54	090117L01

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	50	9.1	1		1,3-Dichloropropane	ND	1.0	0.38	1	
Benzene	ND	0.50	0.28	1		2,2-Dichloropropane	ND	1.0	0.46	1	
Bromobenzene	ND	1.0	0.33	1		1,1-Dichloropropene	ND	1.0	0.26	1	
Bromochloromethane	ND	1.0	0.69	1		c-1,3-Dichloropropene	ND	0.50	0.28	1	
Bromodichloromethane	ND	1.0	0.33	1		t-1,3-Dichloropropene	ND	0.50	0.36	1	
Bromoform	ND	1.0	0.55	1		Ethylbenzene	ND	1.0	0.22	1	
Bromomethane	ND	10	4.3	1		2-Hexanone	ND	10	6.9	1	
2-Butanone	ND	10	6.9	1		Isopropylbenzene	ND	1.0	0.23	1	
n-Butylbenzene	ND	1.0	0.28	1		p-Isopropyltoluene	ND	1.0	0.26	1	
sec-Butylbenzene	ND	1.0	0.20	1		Methylene Chloride	ND	10	2.6	1	
tert-Butylbenzene	ND	1.0	0.28	1		4-Methyl-2-Pentanone	ND	10	4.4	1	
Carbon Disulfide	ND	10	1.9	1		Naphthalene	ND	10	2.5	1	
Carbon Tetrachloride	ND	0.50	0.43	1		n-Propylbenzene	ND	1.0	0.79	1	
Chlorobenzene	ND	1.0	0.22	1		Styrene	ND	1.0	0.30	1	
Chloroethane	ND	5.0	1.3	1		1,1,1,2-Tetrachloroethane	ND	1.0	0.35	1	
Chloroform	ND	1.0	0.33	1		1,1,2,2-Tetrachloroethane	ND	1.0	0.44	1	
Chloromethane	ND	10	0.49	1		Tetrachloroethene	ND	1.0	0.51	1	
2-Chlorotoluene	ND	1.0	0.55	1		Toluene	ND	1.0	0.33	1	
4-Chlorotoluene	ND	1.0	0.21	1		1,2,3-Trichlorobenzene	ND	1.0	0.31	1	
Dibromochloromethane	ND	1.0	0.48	1		1,2,4-Trichlorobenzene	ND	1.0	0.49	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	3.1	1		1,1,1-Trichloroethane	ND	1.0	0.45	1	
1,2-Dibromoethane	ND	1.0	0.47	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.64	1	
Dibromomethane	ND	1.0	0.59	1		1,1,2-Trichloroethane	ND	1.0	0.54	1	
1,2-Dichlorobenzene	ND	1.0	0.27	1		Trichloroethene	ND	1.0	0.30	1	
1,3-Dichlorobenzene	ND	1.0	0.28	1		Trichlorofluoromethane	ND	10	0.31	1	
1,4-Dichlorobenzene	ND	1.0	0.21	1		1,2,3-Trichloropropane	ND	5.0	1.3	1	
Dichlorodifluoromethane	ND	1.0	0.49	1		1,2,4-Trimethylbenzene	ND	1.0	0.24	1	
1,1-Dichloroethane	ND	1.0	0.37	1		1,3,5-Trimethylbenzene	ND	1.0	0.23	1	
1,2-Dichloroethane	ND	0.50	0.31	1		Vinyl Acetate	ND	10	7.1	1	
1,1-Dichloroethene	ND	1.0	0.40	1		Vinyl Chloride	ND	0.50	0.33	1	
c-1,2-Dichloroethene	ND	1.0	0.49	1		p/m-Xylene	ND	1.0	0.45	1	
t-1,2-Dichloroethene	ND	1.0	0.40	1		o-Xylene	ND	1.0	0.24	1	
1,2-Dichloropropane	ND	1.0	0.38	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.30	1	
Surrogates:	REC (%)	Control Limits			Qual	Surrogates:	REC (%)	I Limits			Qual
Dibromofluoromethane	100	82-130				1,2-Dichloroethane-d4	95	75-141			
Toluene-d8	102	83-113				1,4-Bromofluorobenzene	96	70-118			

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Analytical Report



GeoSyntec Consultants
10875 Rancho Bernardo Road, Suite 200
San Diego, CA 92127-2116

Date Received: 01/14/09
Work Order No: 09-01-1093
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/L

Project: Teledyne Ryan

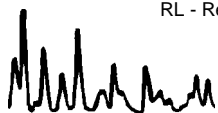
Page 8 of 8

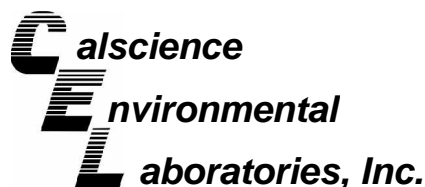
Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-10-006-28,133	N/A	Aqueous	GC/MS O	01/17/09	01/17/09 13:34	090117L01

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	50	9.1	1		1,3-Dichloropropane	ND	1.0	0.38	1	
Benzene	ND	0.50	0.28	1		2,2-Dichloropropane	ND	1.0	0.46	1	
Bromobenzene	ND	1.0	0.33	1		1,1-Dichloropropene	ND	1.0	0.26	1	
Bromochloromethane	ND	1.0	0.69	1		c-1,3-Dichloropropene	ND	0.50	0.28	1	
Bromodichloromethane	ND	1.0	0.33	1		t-1,3-Dichloropropene	ND	0.50	0.36	1	
Bromoform	ND	1.0	0.55	1		Ethylbenzene	ND	1.0	0.22	1	
Bromomethane	ND	10	4.3	1		2-Hexanone	ND	10	6.9	1	
2-Butanone	ND	10	6.9	1		Isopropylbenzene	ND	1.0	0.23	1	
n-Butylbenzene	ND	1.0	0.28	1		p-Isopropyltoluene	ND	1.0	0.26	1	
sec-Butylbenzene	ND	1.0	0.20	1		Methylene Chloride	ND	10	2.6	1	
tert-Butylbenzene	ND	1.0	0.28	1		4-Methyl-2-Pentanone	ND	10	4.4	1	
Carbon Disulfide	ND	10	1.9	1		Naphthalene	ND	10	2.5	1	
Carbon Tetrachloride	ND	0.50	0.43	1		n-Propylbenzene	ND	1.0	0.79	1	
Chlorobenzene	ND	1.0	0.22	1		Styrene	ND	1.0	0.30	1	
Chloroethane	ND	5.0	1.3	1		1,1,1,2-Tetrachloroethane	ND	1.0	0.35	1	
Chloroform	ND	1.0	0.33	1		1,1,2,2-Tetrachloroethane	ND	1.0	0.44	1	
Chloromethane	ND	10	0.49	1		Tetrachloroethene	ND	1.0	0.51	1	
2-Chlorotoluene	ND	1.0	0.55	1		Toluene	ND	1.0	0.33	1	
4-Chlorotoluene	ND	1.0	0.21	1		1,2,3-Trichlorobenzene	ND	1.0	0.31	1	
Dibromochloromethane	ND	1.0	0.48	1		1,2,4-Trichlorobenzene	ND	1.0	0.49	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	3.1	1		1,1,1-Trichloroethane	ND	1.0	0.45	1	
1,2-Dibromoethane	ND	1.0	0.47	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.64	1	
Dibromomethane	ND	1.0	0.59	1		1,1,2-Trichloroethane	ND	1.0	0.54	1	
1,2-Dichlorobenzene	ND	1.0	0.27	1		Trichloroethene	ND	1.0	0.30	1	
1,3-Dichlorobenzene	ND	1.0	0.28	1		Trichlorofluoromethane	ND	10	0.31	1	
1,4-Dichlorobenzene	ND	1.0	0.21	1		1,2,3-Trichloropropane	ND	5.0	1.3	1	
Dichlorodifluoromethane	ND	1.0	0.49	1		1,2,4-Trimethylbenzene	ND	1.0	0.24	1	
1,1-Dichloroethane	ND	1.0	0.37	1		1,3,5-Trimethylbenzene	ND	1.0	0.23	1	
1,2-Dichloroethane	ND	0.50	0.31	1		Vinyl Acetate	ND	10	7.1	1	
1,1-Dichloroethene	ND	1.0	0.40	1		Vinyl Chloride	ND	0.50	0.33	1	
c-1,2-Dichloroethene	ND	1.0	0.49	1		p/m-Xylene	ND	1.0	0.45	1	
t-1,2-Dichloroethene	ND	1.0	0.40	1		o-Xylene	ND	1.0	0.24	1	
1,2-Dichloropropane	ND	1.0	0.38	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.30	1	
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>			<u>Qual</u>	<u>Surrogates:</u>	<u>REC (%)</u>	<u>I Limits</u>			<u>Qual</u>
Dibromofluoromethane	97	82-130				1,2-Dichloroethane-d4	93	75-141			
Toluene-d8	102	83-113				1,4-Bromofluorobenzene	97	70-118			

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers





Analytical Report



GeoSyntec Consultants
10875 Rancho Bernardo Road, Suite 200
San Diego, CA 92127-2116

Date Received: 01/14/09
Work Order No: 09-01-1093

Project: Teledyne Ryan

Page 1 of 1

Client Sample Number	Lab Sample Number	Date Collected	Matrix
BLD131-MW2	09-01-1093-1	01/14/09	Aqueous

Comment(s): (24) Results were evaluated to the MDL, concentrations \geq to the MDL but $<$ RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Chloride	440	100	5.5	100		mg/L	N/A	01/15/09	EPA 300.0
Nitrite (as N) (24)	ND	0.10	0.015	1		mg/L	N/A	01/15/09	EPA 300.0
Nitrate (as N) (24)	ND	0.10	0.028	1		mg/L	N/A	01/15/09	EPA 300.0
Sulfate	4.9	1.0	0.069	1		mg/L	N/A	01/15/09	EPA 300.0
Sulfide, Total	0.40	0.050	0.042	1		mg/L	01/20/09	01/20/09	SM 4500 S2 - D
Carbon, Total Organic	24	2.5	0.10	5		mg/L	N/A	01/16/09	SM 5310 D

Client Sample Number	Lab Sample Number	Date Collected	Matrix
BLD131-MW3	09-01-1093-3	01/14/09	Aqueous

Comment(s): (24) Results were evaluated to the MDL, concentrations \geq to the MDL but $<$ RL, if found, are qualified with a "J" flag.

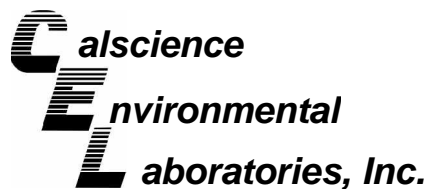
Parameter	Result	RL	MDL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Chloride	440	100	5.5	100		mg/L	N/A	01/15/09	EPA 300.0
Nitrite (as N) (24)	ND	0.10	0.015	1		mg/L	N/A	01/15/09	EPA 300.0
Nitrate (as N)	0.47	0.10	0.028	1		mg/L	N/A	01/15/09	EPA 300.0
Sulfate	3.0	1.0	0.069	1		mg/L	N/A	01/15/09	EPA 300.0
Sulfide, Total	1.3	0.050	0.042	1		mg/L	01/20/09	01/20/09	SM 4500 S2 - D
Carbon, Total Organic	17	2.5	0.10	5		mg/L	N/A	01/16/09	SM 5310 D

Client Sample Number	Lab Sample Number	Date Collected	Matrix
Method Blank		N/A	Aqueous

Comment(s): (24) Results were evaluated to the MDL, concentrations \geq to the MDL but $<$ RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Chloride (24)	ND	1.0	0.055	1		mg/L	N/A	01/15/09	EPA 300.0
Nitrite (as N) (24)	ND	0.10	0.015	1		mg/L	N/A	01/15/09	EPA 300.0
Nitrate (as N) (24)	ND	0.10	0.028	1		mg/L	N/A	01/15/09	EPA 300.0
Sulfate (24)	ND	1.0	0.069	1		mg/L	N/A	01/15/09	EPA 300.0
Sulfide, Total (24)	ND	0.050	0.042	1		mg/L	01/20/09	01/20/09	SM 4500 S2 - D
Carbon, Total Organic (24)	ND	0.50	0.021	1		mg/L	N/A	01/16/09	SM 5310 D

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Quality Control - Spike/Spike Duplicate



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San Diego, CA 92127-2116

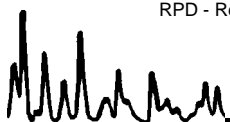
Date Received: 01/14/09
Work Order No: 09-01-1093
Preparation: N/A
Method: HPLC/UV

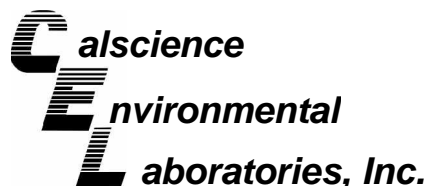
Project Teledyne Ryan

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
09-01-1005-2	Aqueous	HPLC 6	N/A	01/17/09	090116S02

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Acetic Acid	106	114	70-130	4	0-30	
Butyric Acid	105	105	70-130	0	0-30	
Lactic Acid	102	102	70-130	0	0-30	
Propionic Acid	49	53	70-130	1	0-30	3
Pyruvic Acid	80	84	70-130	4	0-30	

RPD - Relative Percent Difference , CL - Control Limit





Quality Control - Spike/Spike Duplicate



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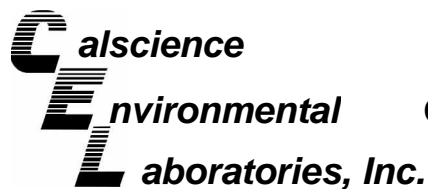
Date Received: 01/14/09
Work Order No: 09-01-1093
Preparation: EPA 5030B
Method: EPA 8260B

Project Teledyne Ryan

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
09-01-1120-1	Aqueous	GC/MS O	01/17/09	01/17/09	090117S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	110	108	88-118	2	0-7	
Carbon Tetrachloride	109	104	67-145	4	0-11	
Chlorobenzene	110	108	88-118	2	0-7	
1,2-Dibromoethane	111	109	70-130	2	0-30	
1,2-Dichlorobenzene	107	109	86-116	2	0-8	
1,1-Dichloroethene	102	101	70-130	1	0-25	
Ethylbenzene	110	108	70-130	1	0-30	
Toluene	112	112	87-123	1	0-8	
Trichloroethene	103	103	79-127	0	0-10	
Vinyl Chloride	81	84	69-129	3	0-13	
Methyl-t-Butyl Ether (MTBE)	97	105	71-131	8	0-13	
Tert-Butyl Alcohol (TBA)	107	105	36-168	2	0-45	
Diisopropyl Ether (DIPE)	105	105	81-123	1	0-9	
Ethyl-t-Butyl Ether (ETBE)	104	104	72-126	0	0-12	
Tert-Amyl-Methyl Ether (TAME)	106	105	72-126	2	0-12	
Ethanol	100	85	53-149	17	0-31	

RPD - Relative Percent Difference , CL - Control Limit



Quality Control - Spike/Spike Duplicate



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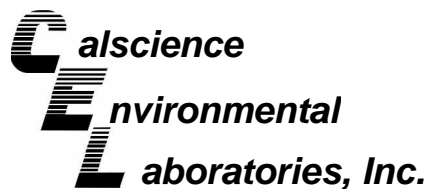
Date Received: N/A
Work Order No: 09-01-1093

Project: Teledyne Ryan

Matrix: Aqueous

<u>Parameter</u>	<u>Method</u>	<u>Quality Control Sample ID</u>	<u>Date Analyzed</u>	<u>Date Extracted</u>	<u>MS% REC</u>	<u>MSD % REC</u>	<u>%REC CL</u>	<u>RPD</u>	<u>RPD CL</u>	<u>Qualifiers</u>
Chloride	EPA 300.0	09-01-1129-4	01/15/09	N/A	98	97	56-134	1	0-3	
Nitrite (as N)	EPA 300.0	09-01-1129-4	01/15/09	N/A	88	88	68-122	0	0-8	
Nitrate (as N)	EPA 300.0	09-01-1129-4	01/15/09	N/A	101	100	58-142	1	0-6	
Sulfate	EPA 300.0	09-01-1129-4	01/15/09	N/A	103	101	49-133	1	0-3	
Carbon, Total Organic	SM 5310 D	09-01-1001-16	01/16/09	N/A	96	92	70-130	2	0-25	

RPD - Relative Percent Difference , CL - Control Limit



Quality Control - Duplicate



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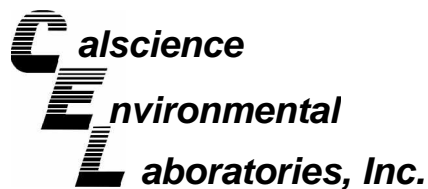
Date Received: N/A
Work Order No: 09-01-1093

Project: Teledyne Ryan

Matrix: Aqueous

<u>Parameter</u>	<u>Method</u>	<u>QC Sample ID</u>	<u>Date Analyzed</u>	<u>Sample Conc</u>	<u>DUP Conc</u>	<u>RPD</u>	<u>RPD CL</u>	<u>Qualifiers</u>
Sulfide, Total	SM 4500 S2 - D	BLD131-MW2	01/20/09	0.40	0.40	0	0-25	

RPD - Relative Percent Difference , CL - Control Limit



Quality Control - LCS/LCS Duplicate



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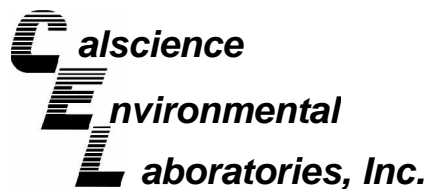
Date Received: N/A
Work Order No: 09-01-1093
Preparation: N/A
Method: RSK-175M

Project: Teledyne Ryan

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-661-158	Aqueous	GC 52	N/A	01/15/09	090115L01

<u>Parameter</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>%REC CL</u>	<u>RPD</u>	<u>RPD CL</u>	<u>Qualifiers</u>
Ethane	85	92	80-120	7	0-20	
Methane	84	91	79-109	8	0-20	

RPD - Relative Percent Difference , CL - Control Limit



Quality Control - LCS/LCS Duplicate



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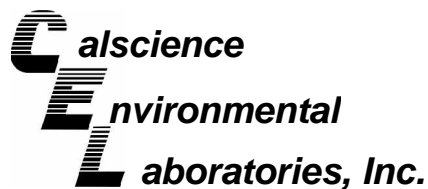
Date Received: N/A
Work Order No: 09-01-1093
Preparation: EPA 3520C
Method: EPA 8270C(M) Isotope Dilution

Project: Teledyne Ryan

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-09-004-1,183	Aqueous	GC/MS AAA	01/15/09	01/19/09	090115L19D

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
1,4-Dioxane	115	114	50-130	1	0-20	

RPD - Relative Percent Difference , CL - Control Limit



Quality Control - LCS/LCS Duplicate



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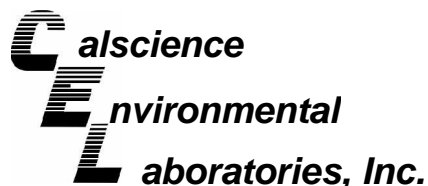
Date Received: N/A
Work Order No: 09-01-1093
Preparation: N/A
Method: HPLC/UV

Project: Teledyne Ryan

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-016-171	Aqueous	HPLC 6	N/A	01/16/09	090116L02

<u>Parameter</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>%REC CL</u>	<u>RPD</u>	<u>RPD CL</u>	<u>Qualifiers</u>
Acetic Acid	101	103	80-120	2	0-20	
Butyric Acid	93	99	80-120	6	0-20	
Lactic Acid	104	103	80-120	1	0-20	
Propionic Acid	103	107	80-120	4	0-20	
Pyruvic Acid	92	92	80-120	0	0-20	

RPD - Relative Percent Difference , CL - Control Limit



Quality Control - LCS/LCS Duplicate



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Date Received: N/A
Work Order No: 09-01-1093
Preparation: EPA 5030B
Method: EPA 8260B

Project: Teledyne Ryan

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number		
099-10-006-28,133	Aqueous	GC/MS O	01/17/09	01/17/09	090117L01		
<u>Parameter</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>%REC CL</u>	<u>ME CL</u>	<u>RPD</u>	<u>RPD CL</u>	<u>Qualifiers</u>
Benzene	105	106	84-120	78-126	1	0-8	
Carbon Tetrachloride	107	106	63-147	49-161	1	0-10	
Chlorobenzene	107	108	89-119	84-124	1	0-7	
1,2-Dibromoethane	108	111	80-120	73-127	3	0-20	
1,2-Dichlorobenzene	105	108	89-119	84-124	3	0-9	
1,1-Dichloroethene	100	99	77-125	69-133	1	0-16	
Ethylbenzene	108	108	80-120	73-127	0	0-20	
Toluene	111	110	83-125	76-132	1	0-9	
Trichloroethene	101	102	89-119	84-124	1	0-8	
Vinyl Chloride	86	85	63-135	51-147	1	0-13	
Methyl-t-Butyl Ether (MTBE)	104	108	82-118	76-124	4	0-13	
Tert-Butyl Alcohol (TBA)	108	108	46-154	28-172	0	0-32	
Diisopropyl Ether (DIPE)	103	105	81-123	74-130	2	0-11	
Ethyl-t-Butyl Ether (ETBE)	102	105	74-122	66-130	3	0-12	
Tert-Amyl-Methyl Ether (TAME)	104	106	76-124	68-132	2	0-10	
Ethanol	100	95	60-138	47-151	5	0-32	

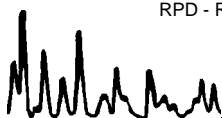
Total number of LCS compounds : 16

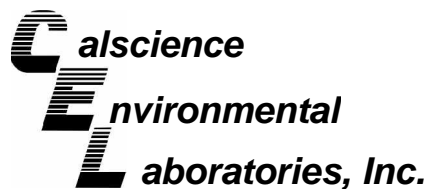
Total number of ME compounds : 0

Total number of ME compounds allowed : 1

LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit





Quality Control - LCS/LCS Duplicate



GeoSyntec Consultants
10875 Rancho Bernardo Road, Suite 200
San Diego, CA 92127-2116

Date Received:
Work Order No:

N/A
09-01-1093

Project: Teledyne Ryan

Matrix: Aqueous

<u>Parameter</u>	<u>Method</u>	<u>Quality Control</u> Sample ID	<u>Date</u> <u>Extracted</u>	<u>Date</u> <u>Analyzed</u>	<u>LCS %</u> <u>REC</u>	<u>LCSD %</u> <u>REC</u>	<u>%REC</u> <u>CL</u>	<u>RPD</u>	<u>RPD</u> <u>CL</u>	<u>Qual</u>
Chloride	EPA 300.0	099-05-118-5,006	N/A	01/15/09	95	96	81-111	1	0-5	
Nitrite (as N)	EPA 300.0	099-05-118-5,006	N/A	01/15/09	87	90	73-115	3	0-26	
Nitrate (as N)	EPA 300.0	099-05-118-5,006	N/A	01/15/09	100	101	87-111	1	0-12	
Sulfate	EPA 300.0	099-05-118-5,006	N/A	01/15/09	99	100	89-107	1	0-13	

RPD - Relative Percent Difference , CL - Control Limit



GeoSyntec Consultants
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 San Diego, CA 92127-2116

Date Received: N/A
 Work Order No: 09-01-1093

Project: Teledyne Ryan

Matrix : Aqueous

<u>Parameter</u>	<u>Method</u>	<u>Quality Control</u> <u>Sample ID</u>	<u>Date</u> <u>Analyzed</u>	<u>Date</u> <u>Extracted</u>	<u>Conc.</u> <u>Added</u>	<u>Conc.</u> <u>Recovered</u>	<u>LCS</u> <u>%Rec</u>	<u>%Rec</u> <u>CL</u>	<u>Qualifiers</u>
Carbon, Total Organic	SM 5310 D	099-05-097-3,227	01/16/09	N/A	5.00	4.62	92	80-120	

RPD - Relative Percent Difference , CL - Control Limit

Work Order Number: 09-01-1093

<u>Qualifier</u>	<u>Definition</u>
*	See applicable analysis comment.
1	Surrogate compound recovery was out of control due to a required sample dilution, therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to matrix interference. The associated LCS and/or LCSD was in control and, therefore, the sample data was reported without further clarification.
4	The MS/MSD RPD was out of control due to matrix interference. The LCS/LCSD RPD was in control and, therefore, the sample data was reported without further clarification.
5	The PDS/PDSD associated with this batch of samples was out of control due to a matrix interference effect. The associated batch LCS/LCSD was in control and, hence, the associated sample data was reported with no further corrective action required.
A	Result is the average of all dilutions, as defined by the method.
B	Analyte was present in the associated method blank.
C	Analyte presence was not confirmed on primary column.
E	Concentration exceeds the calibration range.
H	Sample received and/or analyzed past the recommended holding time.
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
ME	LCS Recovery Percentage is within LCS ME Control Limit range.
N	Nontarget Analyte.
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
U	Undetected at the laboratory method detection limit.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.



1093

BLAINE
 TECH SERVICES, INC.
 1680 ROGERS AVENUE
 SAN JOSE, CALIFORNIA 95112-1105
 FAX (408) 573-7771
 PHONE (408) 573-0555

CHAIN OF CUSTODY
 CLIENT Geosyntec
 SITE Teledyne Ryan
 2701 N. Harbor Drive
 San Diego, CA

LAB CalScience
 SPECIAL INSTRUCTIONS
 *Modified 8270= GC/MS isotope dilution to achieve 2ug/L detection limits
 **EISB= TOC, sulfate, sulfide, nitrate, nitrite, chloride, and organic acids
 Brian Hitchens
 Geosyntec: 10875 Rancho Bernardo Rd, suite 200
 San Diego, CA 92127
 (858) 674-6559

SAMPLE I.D.	DATE	TIME	MATRIX		TOTAL	CONDUCT ANALYSIS TO DETECT							ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #
			S # SOIL	S # H2O		VOCs by 8260B	Ethene/Ethane/Methane (RSK 175)	SVOCs 8270 SIM Super	TPH (8015)	PCBs (1668A)	Metals (6010B/7470A)	1,4-Dioxane (Modified 8270)*				
BAD131-0002	1-14-09	1400	W		10	X							X			1
BAD131-0002	1309				4											2
BAD131-0003	1308				10	X							X			3
BAD131-0003	1418				4	X							X			4
QCTB-1	1200				2	X										5
QCEB-1	1440				3	X										6
QCEB-2	1425				3	X										7

RESULTS NEEDED NO LATER THAN

RECEIVED BY: *[Signature]* DATE: 1/14/09 TIME: 1440

RECEIVED BY: *[Signature]* DATE: 1/14/09 TIME: 1640

RECEIVED BY: *[Signature]* DATE: 1/14/09 TIME: 1640

SHIPPED VIA

DATE SENT

TIME SENT

COOLER #

Page 26 of 27

SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: Blaine Tech

DATE: 1/14/19

TEMPERATURE: (Criteria: 0.0°C – 8.0°C, not frozen)

Temperature 2.1 °C - 0.2°C (CF) = 1.9 °C Blank Sample

Sample(s) outside temperature criteria (PM/APM contacted by: _____).

Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling.

Received at ambient temperature, placed on ice for transport by Courier.

Ambient Temperature: Air Filter Metals Only PCBs Only Initial: [Signature]

CUSTODY SEALS INTACT:

Cooler _____ No (Not Intact) Not Present N/A Initial: [Signature]

Sample _____ No (Not Intact) Not Present Initial: W.S.C

SAMPLE CONDITION:	Yes	No	N/A
Chain-Of-Custody (COC) document(s) received with samples.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
COC document(s) received complete.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sampler's name indicated on COC.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sample container label(s) consistent with COC.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sample container(s) intact and good condition.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Correct containers and volume for analyses requested.....*	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Analyses received within holding time.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Proper preservation noted on COC or sample container.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Volatile analysis container(s) free of headspace.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Tedlar bag(s) free of condensation.....	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

* RSK SAMPLES IN VOA VIALS.

CONTAINER TYPE:

Solid: 4ozCGJ 8ozCGJ 16ozCGJ Sleeve EnCores® TerraCores® _____

Water: VOA VOA³ VOA⁽¹⁾⁽³⁾ VOA⁽¹⁾⁽³⁾ 125AGB 125AGBh 125AGBpo₄ 1AGB 1AGBna₂

1AGBs 500AGB 500AGBs 250CGB 250CGBs 1PB 500PB 500PBna 250PB

250PBn 125PB 125PBz₂na 100PBsterile 100PBna₂ 125PBpo₄ _____ _____

Air: Tedlar® Summa® _____

Container: C:Clear A:Amber P:Poly/Plastic G:Glass J:Jar B:Bottle

Preservative: h:HCL n:HNO₃ na₂:Na₂S₂O₈ na:NaOH po₄:H₃PO₄ s:H₂SO₄ zna:ZnAc₂+NaOH

Checked/Labeled by: W.S.C
Reviewed by: D.L
Scanned by: W.S.C

March 06, 2009

Service Request No: E0900056

Stephen Nowak
Calscience Environmental Laboratories, Incorporated
7440 Lincoln Way
Garden Grove, CA 92841

Laboratory Results for: PCB Congeners_Method 1668A/09-01-1235

Dear Stephen:

Enclosed are the results of the sample(s) submitted to our laboratory on January 20, 2009. For your reference, these analyses have been assigned our service request number **E0900056**.

Analyses were performed according to our laboratory's NELAP-approved quality assurance program. The test results meet requirements of the current NELAP standards, where applicable, and except as noted in the laboratory case narrative provided.

All results are intended to be considered in their entirety, and Columbia Analytical Services, Inc. (CAS) is not responsible for use of less than the complete report. Results apply only to the items submitted to the laboratory for analysis and individual items (samples) analyzed, as listed in the report. In accordance to the NELAC 2003 Standard, a statement on the estimated uncertainty of measurement of any quantitative analysis will be supplied upon request.

Please contact me if you have any questions. My extension is 2957. You may also contact me via email at JFreemyer@caslab.com.

Respectfully submitted,

Columbia Analytical Services, Inc.

Jane Freemyer
Project Manager; GC/HRMS

Page 1 of _____

For a specific list of NELAP-accredited analytes, refer to the certifications section at

www.caslab.com.





Certificate of Analysis

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COLUMBIA ANALYTICAL SERVICES, INC

Client: Calscience
Project: 09-01-1235
Matrix: Water

SR No.: E0900056
Date Received: 01/20/09

CASE NARRATIVE

All analyses were performed in adherence to the quality assurance program of Columbia Analytical Services, Inc. (CAS). This report contains analytical results for samples designated for Tier IV. When appropriate to the method, method blank results have been reported with each analytical test.

Sample Receipt

Two water samples were received for analysis by Method 1668A_Homologs_Total at Columbia Analytical Services on 01/20/09. The samples were filtered through a 0.45 micron filter before extracting the PCB congeners, as requested.

The samples were received at 0°C in good condition and are consistent with the accompanying chain of custody form. The samples were stored in a refrigerator at 4°C upon receipt at the laboratory.

Data Validation Notes and Discussion

Y flag - Labeled Standards

Samples that had recoveries of labeled standards outside the acceptance limits are flagged with 'Y' flags by our reporting software. In all cases, the signal-to-noise ratios are greater than 10:1, making these data acceptable.

MS/DMS

EQ0900069: Laboratory Control Spike and Duplicate Laboratory Spike samples were analyzed and reported in lieu of matrix QC for this extraction batch.

For XL

Approved by

Date 03/11/09

Xiangqiu Liang, Laboratory Director

Detection Limits

Detection limits are calculated for each congener in each sample by measuring the height of the noise level for each quantitation ion for the associated labeled standard. The concentration equivalent to 2.5 times the height of the noise is then calculated using the appropriate response factor and the weight of the sample. The calculated concentration equals the detection limit.

For XL

Approved by

Date 03/11/09

Xiangqiu Liang, Laboratory Director

Client: Calscience Environmental Laboratories, Incorporated
Project: PCB Congeners_Method 1668A/09-01-1235

Service Request: E0900056

SAMPLE CROSS-REFERENCE

<u>SAMPLE #</u>	<u>CLIENT SAMPLE ID</u>	<u>DATE</u>	<u>TIME</u>
E0900056-001	BLD120-MW2	1/15/09	13:00
E0900056-002	BLD120-MW3	1/15/09	14:01

Superset Summary

Service Request: E0900056

SuperSet Reference: 09-0000094633 rev 00

1668A/Cl Biphen Cong

Calibrations: 05/01/08

Data Files:

<i>Raw Data</i>	<i>Begin CCAL</i>	<i>Method Blank</i>	<i>Lab ID</i>
U218791	U218785	U218786	E0900056-001
U218792	U218785	U218803	E0900056-002
U218803	U218801	U218803	EQ0900069-01
U218806	U218801	U218803	EQ0900069-02
U218807	U218801	U218803	EQ0900069-03

Abbreviations, Acronyms & Definitions

Cal	Calibration
Conc	CONCentration
Dioxin(s)	Polychlorinated dibenzo-p-dioxin(s)
EDL	Estimated Detection Limit
EMPC	Estimated Maximum Possible Concentration
Flags	Data qualifiers
Furan(s)	Polychlorinated dibenzofuran(s)
g	Grams
ICAL	Initial CALibration
ID	IDentifier
Ions	Masses monitored for the analyte during data acquisition
L	Liter (s)
LCS	Laboratory Control Sample
DLCS	Duplicate Laboratory Control Sample
MB	Method Blank
MCL	Method Calibration Limit
MDL	Method Detection Limit
mL	Milliliters
MS	Matrix Spiked sample
DMS	Duplicate Matrix Spiked sample
NO	Number of peaks meeting all identification criteria
PCDD(s)	Polychlorinated dibenzo-p-dioxin(s)
PCDF(s)	Polychlorinated dibenzofuran(s)
ppb	Parts per billion
ppm	Parts per million
ppq	Parts per quadrillion
ppt	Parts per trillion
QA	Quality Assurance
QC	Quality Control
Ratio	Ratio of areas from monitored ions for an analyte
% Rec.	Percent recovery
RPD	Relative Percent Difference
RRF	Relative Response Factor
RT	Retention Time
SDG	Sample Delivery Group
S/N	Signal-to-noise ratio
TEF	Toxicity Equivalence Factor
TEQ	Toxicity Equivalence Quotient

Data Qualifier Flags – PCB Congeners

- **B** Indicates the associated analyte is found in the method blank, as well as in the sample
- **E** Indicates an estimated value – used when the analyte concentration exceeds the upper end of the linear calibration range
- **J** Indicates an estimated value – used when the analyte concentration is below the method reporting limit (MRL) and above the estimated detection limit (EDL)
- **K** EMPC - When the ion abundance ratios associated with a particular compound are outside the QC limits, samples are flagged with a 'K' flag. A 'K' flag indicates an estimated maximum possible concentration for the associated compound.
- **U** Indicates the compound was analyzed and not detected
- **Y** Samples that had recoveries of labeled standards outside the acceptance limits are flagged with 'Y' flags on the Form 2s. In all cases, the signal-to-noise ratios are greater than 10:1, making these data acceptable.
- **ND** Indicates concentration is reported as 'Not Detected'
- **S** Peak is saturated; data not reportable
- **Q** Lock-mass interference by ether compounds

CAS/HOU - Form Production, Peer Review & Project Review Signatures

SR# Unique ID E0900056

First Level - Data Processing - to be filled by person(s) processing the forms

Date	10/11/09	Person 1	Lee
Date		Person 2	

Second Level Data Review - to be filled by person(s) doing peer review

Date	3/16/09	Primary Data Reviewer	JC
Date		Secondary Data Reviewer	

Project Level - Review - to be filled by person doing project compliance review

Date	03/10/09	Reviewer	
------	----------	----------	--


CAS/HOU - Form Production, Peer Review & Project Review Signatures

SR# Unique ID E0900056

First Level - Data Processing - to be filled by person(s) processing the forms

Date	3/6/09	Person 1	lee	(002RE)
Date		Person 2		

Second Level Data Review - to be filled by person(s) doing peer review

Date	03/06/09	Primary Data Reviewer	
Date		Secondary Data Reviewer	

Project Level - Review - to be filled by person doing project compliance review

Date	03/10/09	Reviewer	
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Analytical Results

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Analytical Report

Client: Calscience Environmental Laboratory
Project: PCB Congeners_Method 1668A/09-01-1235
Sample Matrix: Water
Sample Name: BLD120-MW2
Lab Code: E0900056-001

Service Request: E0900056
Date Collected: 1/15/09 1300
Date Received: 1/20/09
Units: pg/L
Basis: NA

Chlorinated Biphenyl Congeners by HRGC/HRMS

Analytical Method: 1668A
Prep Method: Method
Sample Amount: 622mL
Data File Name:
ICAL Name: 05/01/08

Date Analyzed: 3/2/09 1953
Date Extracted: 2/23/09
Instrument Name: E-HRMS-02
GC Column:
Blank File Name:
Cal Ver. File Name:

Analyte Name	Result	Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
Total MonoCB	639		14.1	322			1
Total DiCB	12900		56.3	804			1
Total TriCB	163000		29.1	804			1
Total TetraCB	302000		9.88	804			1
Total PentaCB	90100		6.34	1610			1
Total HexaCB	11100		5.64	1610			1
Total HeptaCB	4370		4.10	1610			1
Total OctaCB	1430	J	5.27	1610			1
Total NonaCB	213	J	13.1	1610			1
PCB 209	17.4	BJK	4.82	804	1.35	1.000	1
Total PCBs	586000		4.10	1610			1

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Calscience Environmental Laboratory
Project: PCB Congeners_Method 1668A/09-01-1235
Sample Matrix: Water
Sample Name: BLD120-MW2
Lab Code: E0900056-001

Service Request: E0900056
Date Collected: 1/15/09 1300
Date Received: 1/20/09
Units: Percent
Basis: NA

Chlorinated Biphenyl Congeners by HRGC/HRMS

Analytical Method: 1668A
Prep Method: Method
Sample Amount: 622mL
Data File Name: U218791
ICAL Name: 05/01/08

Date Analyzed: 3/2/09 1953
Date Extracted: 2/23/09
Instrument Name: E-HRMS-02
GC Column: SPB-OCTYL
Blank File Name: U218803
Cal Ver. File Name: U218785

Labeled Compounds	Spike Conc.(pg)	Conc. Found (pg)	%Rec	Q	Control Limits	Ion Ratio	RRT
PCB 1L	2000	1388.156	69		15-150	2.87	0.743
PCB 3L	2000	1523.097	76		15-150	3.11	0.871
PCB 4L	2000	1626.121	81		25-150	1.53	0.886
PCB 15L	2000	1687.269	84		25-150	1.48	1.219
PCB 19L	2000	1484.497	74		25-150	1.01	1.064
PCB 37L	2000	1736.815	87		25-150	1.07	1.078
PCB 54L	2000	1623.987	81		25-150	0.80	0.834
PCB 81L	2000	1948.181	97		25-150	0.76	1.319
PCB 77L	2000	1896.707	95		25-150	0.77	1.339
PCB 104L	2000	1755.290	88		25-150	1.50	0.831
PCB 123L	2000	1727.598	86		25-150	1.55	1.131
PCB 118L	2000	1777.936	89		25-150	1.58	1.141
PCB 114L	2000	1612.891	81		25-150	1.61	1.156
PCB 105L	2000	1742.471	87		25-150	1.58	1.174
PCB 126L	2000	1818.599	91		25-150	1.51	1.261
PCB 155L	2000	1995.701	100		25-150	1.23	0.809
PCB 167L	2000	1726.193	86		25-150	1.28	1.069
PCBs 156L + 157L	4000	3573.134	89		25-150	1.26	1.095
PCB 169L	2000	1749.119	87		25-150	1.28	1.169
PCB 188L	2000	1989.378	99		25-150	1.03	0.738
PCB 189L	2000	1661.169	83		25-150	1.02	0.963
PCB 202L	2000	1816.150	91		25-150	0.92	0.835
PCB 205L	2000	1810.185	91		25-150	0.89	1.009
PCB 208L	2000	1852.780	93		25-150	0.76	0.954
PCB 206L	2000	1505.012	75		25-150	0.78	1.040
PCB 209L	2000	1500.270	75		25-150	1.20	1.069
PCB 28L	2000	1407.419	70		30-135	1.05	0.934
PCB 111L	2000	1734.880	87		30-135	1.53	1.076
PCB 178L	2000	1725.009	86		30-135	1.04	1.011

Comments: _____

Analytical Report

Client: Calscience Environmental Laboratory
Project: PCB Congeners_Method 1668A/09-01-1235
Sample Matrix: Water
Sample Name: BLD120-MW3
Lab Code: E0900056-002

Service Request: E0900056
Date Collected: 1/15/09 1401
Date Received: 1/20/09
Units: pg/L
Basis: NA

Chlorinated Biphenyl Congeners by HRGC/HRMS

Analytical Method: 1668A
Prep Method: Method
Sample Amount: 1068mL
Data File Name:
ICAL Name: 05/01/08

Date Analyzed: 3/2/09 2101
Date Extracted: 2/23/09
Instrument Name: E-HRMS-02
GC Column:
Blank File Name:
Cal Ver. File Name:

Analyte Name	Result	Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
Total MonoCB	ND	U	9.17	188			1
Total DiCB	882		21.9	469			1
Total TriCB	1270		9.85	469			1
Total TetraCB	2180		5.30	469			1
Total PentaCB	826	J	4.06	937			1
Total HexaCB	370	J	2.03	937			1
Total HeptaCB	205	J	2.09	937			1
Total OctaCB	125	J	1.82	937			1
Total NonaCB	64.4	J	9.12	937			1
PCB 209	13.4	BJ	3.53	469	1.26	1.001	1
Total PCBs	5940		1.82	937			1

Comments: _____

Client: Calscience Environmental Laboratory
Project: PCB Congeners_Method 1668A/09-01-1235
Sample Matrix: Water
Sample Name: BLD120-MW3
Lab Code: E0900056-002

Service Request: E0900056
Date Collected: 1/15/09 1401
Date Received: 1/20/09
Units: Percent
Basis: NA

Chlorinated Biphenyl Congeners by HRGC/HRMS

Analytical Method: 1668A
Prep Method: Method
Sample Amount: 1068mL
Data File Name: U218792
ICAL Name: 05/01/08

Date Analyzed: 3/2/09 2101
Date Extracted: 2/23/09
Instrument Name: E-HRMS-02
GC Column: SPB-OCTYL
Blank File Name: U218803
Cal Ver. File Name: U218785

Labeled Compounds	Spike Conc.(pg)	Conc. Found (pg)	%Rec	Q	Control Limits	Ion Ratio	RRT
PCB 1L	2000	829.109	41		15-150	3.03	0.742
PCB 3L	2000	1010.966	51		15-150	3.24	0.871
PCB 4L	2000	1089.853	54		25-150	1.53	0.885
PCB 15L	2000	1314.170	66		25-150	1.47	1.219
PCB 19L	2000	1150.459	58		25-150	1.12	1.064
PCB 37L	2000	1516.837	76		25-150	1.04	1.078
PCB 54L	2000	1275.769	64		25-150	0.77	0.833
PCB 81L	2000	1733.051	87		25-150	0.77	1.319
PCB 77L	2000	1706.509	85		25-150	0.82	1.338
PCB 104L	2000	1467.226	73		25-150	1.54	0.831
PCB 123L	2000	1557.920	78		25-150	1.58	1.132
PCB 118L	2000	1622.032	81		25-150	1.52	1.141
PCB 114L	2000	1460.169	73		25-150	1.55	1.156
PCB 105L	2000	1575.448	79		25-150	1.55	1.174
PCB 126L	2000	1659.927	83		25-150	1.56	1.261
PCB 155L	2000	1691.504	85		25-150	1.20	0.809
PCB 167L	2000	1562.458	78		25-150	1.32	1.069
PCBs 156L + 157L	4000	3266.768	82		25-150	1.24	1.095
PCB 169L	2000	1586.734	79		25-150	1.31	1.169
PCB 188L	2000	1786.293	89		25-150	1.01	0.738
PCB 189L	2000	1484.405	74		25-150	1.09	0.962
PCB 202L	2000	1614.916	81		25-150	0.91	0.835
PCB 205L	2000	1607.388	80		25-150	0.92	1.008
PCB 208L	2000	1540.722	77		25-150	0.77	0.954
PCB 206L	2000	1383.356	69		25-150	0.78	1.040
PCB 209L	2000	1338.743	67		25-150	1.17	1.068
PCB 28L	2000	1281.639	64		30-135	1.08	0.934
PCB 111L	2000	1573.749	79		30-135	1.65	1.076
PCB 178L	2000	1564.697	78		30-135	1.01	1.011

Comments: _____

Analytical Report

Client: Calscience Environmental Laboratory
Project: PCB Congeners_Method 1668A/09-01-1235
Sample Matrix: Water
Sample Name: Method Blank
Lab Code: EQ0900069-01

Service Request: E0900056
Date Collected: NA
Date Received: NA
Units: pg/L
Basis: NA

Chlorinated Biphenyl Congeners by HRGC/HRMS

Analytical Method: 1668A
Prep Method: Method
Sample Amount: 1000mL
Data File Name:
ICAL Name: 05/01/08

Date Analyzed: 3/3/09 1912
Date Extracted: 2/23/09
Instrument Name: E-HRMS-02
GC Column:
Blank File Name:
Cal Ver. File Name:

Analyte Name	Result	Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
Total MonoCB	ND	U	9.33	200			1
Total DiCB	566		34.4	500			1
Total TriCB	149	J	11.5	500			1
Total TetraCB	398	J	6.71	500			1
Total PentaCB	311	J	4.35	1000			1
Total HexaCB	156	J	4.12	1000			1
Total HeptaCB	102	J	3.11	1000			1
Total OctaCB	66.1	J	2.62	1000			1
Total NonaCB	34.8	J	9.60	1000			1
PCB 209	14.2	J	4.33	500	1.13	1.000	1
Total PCBs	1800		2.62	1000			1

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Calscience Environmental Laboratory
Project: PCB Congeners_Method 1668A/09-01-1235
Sample Matrix: Water
Sample Name: Method Blank
Lab Code: EQ0900069-01

Service Request: E0900056
Date Collected: NA
Date Received: NA
Units: Percent
Basis: NA

Chlorinated Biphenyl Congeners by HRGC/HRMS

Analytical Method: 1668A
Prep Method: Method
Sample Amount: 1000mL
Data File Name: U218803
ICAL Name: 05/01/08

Date Analyzed: 3/3/09 1912
Date Extracted: 2/23/09
Instrument Name: E-HRMS-02
GC Column: SPB-OCTYL
Blank File Name: U218803
Cal Ver. File Name: U218801

Labeled Compounds	Spike Conc.(pg)	Conc. Found (pg)	%Rec	Q	Control Limits	Ion Ratio	RRT
PCB 1L	2000	570.917	29		15-150	2.93	0.743
PCB 3L	2000	669.004	33		15-150	3.10	0.871
PCB 4L	2000	712.390	36		25-150	1.48	0.886
PCB 15L	2000	955.978	48		25-150	1.53	1.219
PCB 19L	2000	770.515	39		25-150	0.98	1.064
PCB 37L	2000	1235.065	62		25-150	1.07	1.078
PCB 54L	2000	888.247	44		25-150	0.76	0.833
PCB 81L	2000	1333.558	67		25-150	0.77	1.319
PCB 77L	2000	1355.542	68		25-150	0.80	1.339
PCB 104L	2000	997.113	50		25-150	1.55	0.831
PCB 123L	2000	1189.546	59		25-150	1.57	1.131
PCB 118L	2000	1264.661	63		25-150	1.60	1.141
PCB 114L	2000	1120.146	56		25-150	1.57	1.156
PCB 105L	2000	1228.155	61		25-150	1.56	1.174
PCB 126L	2000	1320.777	66		25-150	1.54	1.260
PCB 155L	2000	1148.529	57		25-150	1.25	0.809
PCB 167L	2000	1321.434	66		25-150	1.22	1.069
PCBs 156L + 157L	4000	2703.622	68		25-150	1.29	1.095
PCB 169L	2000	1325.045	66		25-150	1.29	1.169
PCB 188L	2000	1337.482	67		25-150	1.01	0.738
PCB 189L	2000	1179.337	59		25-150	1.04	0.963
PCB 202L	2000	1238.947	62		25-150	0.88	0.835
PCB 205L	2000	1207.355	60		25-150	0.89	1.009
PCB 208L	2000	1205.881	60		25-150	0.75	0.954
PCB 206L	2000	986.595	49		25-150	0.77	1.040
PCB 209L	2000	933.757	47		25-150	1.15	1.068
PCB 28L	2000	1012.611	51		30-135	1.00	0.934
PCB 111L	2000	1253.902	63		30-135	1.60	1.076
PCB 178L	2000	1285.233	64		30-135	1.03	1.011

Comments: _____



Accuracy and Precision

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Analytical Report

Client: Calscience Environmental Laboratory
Project: PCB Congeners_Method 1668A/09-01-1235
Sample Matrix: Water
Sample Name: Lab Control Sample
Lab Code: EQ0900069-02

Service Request: E0900056
Date Collected: NA
Date Received: NA
Units: pg/L
Basis: NA

Chlorinated Biphenyl Congeners by HRGC/HRMS

Analytical Method: 1668A
Prep Method: Method
Sample Amount: 1000mL
Data File Name:
ICAL Name: 05/01/08

Date Analyzed: 3/3/09 2236
Date Extracted: 2/23/09
Instrument Name: E-HRMS-02
GC Column:
Blank File Name:
Cal Ver. File Name:

Analyte Name	Result	Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
Total MonoCB	2190		8.89	200			1
Total DiCB	2110		48.2	500			1
Total TriCB	2170		28.7	500			1
Total TetraCB	3360		9.47	500			1
Total PentaCB	6760		6.75	1000			1
Total HexaCB	5560		3.63	1000			1
Total HeptaCB	2270		3.75	1000			1
Total OctaCB	2250		2.14	1000			1
Total NonaCB	2550		9.93	1000			1
PCB 209	1210		4.36	500	1.16	1.000	1

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Calscience Environmental Laboratory
Project: PCB Congeners_Method 1668A/09-01-1235
Sample Matrix: Water
Sample Name: Lab Control Sample
Lab Code: EQ0900069-02

Service Request: E0900056
Date Collected: NA
Date Received: NA
Units: Percent
Basis: NA

Chlorinated Biphenyl Congeners by HRGC/HRMS

Analytical Method: 1668A
Prep Method: Method
Sample Amount: 1000mL
Data File Name: U218806
ICAL Name: 05/01/08

Date Analyzed: 3/3/09 2236
Date Extracted: 2/23/09
Instrument Name: E-HRMS-02
GC Column: SPB-OCTYL
Blank File Name: U218803
Cal Ver. File Name: U218801

Labeled Compounds	Spike Conc.(pg)	Conc. Found (pg)	%Rec	Q	Control Limits	Ion Ratio	RRT
PCB 1L	2000	994.065	50		15-150	3.12	0.742
PCB 3L	2000	1072.402	54		15-150	3.23	0.870
PCB 4L	2000	1118.222	56		25-150	1.52	0.885
PCB 15L	2000	1197.725	60		25-150	1.55	1.218
PCB 19L	2000	1164.511	58		25-150	1.15	1.064
PCB 37L	2000	1269.454	63		25-150	1.04	1.078
PCB 54L	2000	1131.556	57		25-150	0.78	0.834
PCB 81L	2000	1447.595	72		25-150	0.78	1.319
PCB 77L	2000	1449.757	72		25-150	0.78	1.339
PCB 104L	2000	1235.124	62		25-150	1.55	0.831
PCB 123L	2000	1289.997	64		25-150	1.60	1.131
PCB 118L	2000	1343.994	67		25-150	1.57	1.141
PCB 114L	2000	1183.435	59		25-150	1.53	1.156
PCB 105L	2000	1259.030	63		25-150	1.56	1.174
PCB 126L	2000	1331.386	67		25-150	1.56	1.261
PCB 155L	2000	1451.010	73		25-150	1.27	0.809
PCB 167L	2000	1283.333	64		25-150	1.31	1.069
PCBs 156L + 157L	4000	2720.172	68		25-150	1.31	1.095
PCB 169L	2000	1343.230	67		25-150	1.24	1.169
PCB 188L	2000	1632.022	82		25-150	1.04	0.738
PCB 189L	2000	1252.499	63		25-150	1.05	0.963
PCB 202L	2000	1431.300	72		25-150	0.88	0.835
PCB 205L	2000	1320.227	66		25-150	0.89	1.009
PCB 208L	2000	1351.263	68		25-150	0.77	0.954
PCB 206L	2000	1056.185	53		25-150	0.79	1.040
PCB 209L	2000	1021.813	51		25-150	1.19	1.068
PCB 28L	2000	1152.406	58		30-135	1.09	0.934
PCB 111L	2000	1385.053	69		30-135	1.56	1.076
PCB 178L	2000	1472.153	74		30-135	1.02	1.010

Comments: _____

Analytical Report

Client: Calscience Environmental Laboratory
Project: PCB Congeners_Method 1668A/09-01-1235
Sample Matrix: Water
Sample Name: Lab Control Sample Dup
Lab Code: EQ0900069-03

Service Request: E0900056
Date Collected: NA
Date Received: NA
Units: pg/L
Basis: NA

Chlorinated Biphenyl Congeners by HRGC/HRMS

Analytical Method: 1668A
Prep Method: Method
Sample Amount: 1000mL
Data File Name:
ICAL Name: 05/01/08

Date Analyzed: 3/3/09 2343
Date Extracted: 2/23/09
Instrument Name: E-HRMS-02
GC Column:
Blank File Name:
Cal Ver. File Name:

Analyte Name	Result	Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
Total MonoCB	2240		7.48	200			1
Total DiCB	2140		72.7	500			1
Total TriCB	2140		36.4	500			1
Total TetraCB	3360		11.0	500			1
Total PentaCB	6660		6.24	1000			1
Total HexaCB	5510		4.74	1000			1
Total HeptaCB	2250		2.90	1000			1
Total OctaCB	2330		2.01	1000			1
Total NonaCB	2800		8.31	1000			1
PCB 209	1240		4.24	500	1.20	1.000	1

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Calscience Environmental Laboratory
Project: PCB Congeners_Method 1668A/09-01-1235
Sample Matrix: Water
Sample Name: Lab Control Sample Dup
Lab Code: EQ0900069-03

Service Request: E0900056
Date Collected: NA
Date Received: NA
Units: Percent
Basis: NA

Chlorinated Biphenyl Congeners by HRGC/HRMS

Analytical Method: 1668A
Prep Method: Method
Sample Amount: 1000mL
Data File Name: U218807
ICAL Name: 05/01/08

Date Analyzed: 3/3/09 2343
Date Extracted: 2/23/09
Instrument Name: E-HRMS-02
GC Column: SPB-OCTYL
Blank File Name: U218803
Cal Ver. File Name: U218801

Labeled Compounds	Spike Conc.(pg)	Conc. Found (pg)	%Rec	Q	Control Limits	Ion Ratio	RRT
PCB 1L	2000	845.995	42		15-150	2.95	0.742
PCB 3L	2000	918.470	46		15-150	3.01	0.870
PCB 4L	2000	953.292	48		25-150	1.52	0.885
PCB 15L	2000	1013.517	51		25-150	1.55	1.218
PCB 19L	2000	933.710	47		25-150	1.02	1.064
PCB 37L	2000	1123.134	56		25-150	1.11	1.078
PCB 54L	2000	985.081	49		25-150	0.77	0.834
PCB 81L	2000	1273.687	64		25-150	0.74	1.319
PCB 77L	2000	1315.793	66		25-150	0.79	1.339
PCB 104L	2000	1017.842	51		25-150	1.60	0.831
PCB 123L	2000	1148.810	57		25-150	1.56	1.132
PCB 118L	2000	1190.666	60		25-150	1.58	1.141
PCB 114L	2000	1090.513	55		25-150	1.53	1.156
PCB 105L	2000	1152.867	58		25-150	1.54	1.174
PCB 126L	2000	1252.935	63		25-150	1.54	1.261
PCB 155L	2000	1246.501	62		25-150	1.26	0.809
PCB 167L	2000	1281.878	64		25-150	1.27	1.069
PCBs 156L + 157L	4000	2638.714	66		25-150	1.27	1.095
PCB 169L	2000	1324.500	66		25-150	1.24	1.169
PCB 188L	2000	1452.721	73		25-150	1.02	0.738
PCB 189L	2000	1173.733	59		25-150	0.99	0.963
PCB 202L	2000	1315.168	66		25-150	0.86	0.835
PCB 205L	2000	1261.139	63		25-150	0.86	1.009
PCB 208L	2000	1289.963	64		25-150	0.82	0.954
PCB 206L	2000	1004.028	50		25-150	0.75	1.040
PCB 209L	2000	1005.682	50		25-150	1.21	1.068
PCB 28L	2000	1015.262	51		30-135	1.07	0.934
PCB 111L	2000	1239.298	62		30-135	1.60	1.076
PCB 178L	2000	1312.969	66		30-135	0.99	1.010

Comments: _____



Chain of Custody

19408 Park Row, Suite 320, Houston, TX 77084

Phone (713)266-1599 Fax (713)266-0130

www.caslab.com

An Employee Owned Company

LABORATORY CLIENT: Calscience Environmental Laboratories, Inc.		CLIENT PROJECT NAME / NUMBER: 09-01-1235			P.O. NO.: 09-01-1235		
ADDRESS: 7440 Lincoln Way		PROJECT CONTACT: Stephen Nowak			QUOTE NO.:		
CITY: Garden Grove, CA 92841-1427		SAMPLER(S): (PRINT)			LAB USE ONLY		
TEL: (714) 895-5494	E-MAIL: snowak@calscience.com						

TURNAROUND TIME
 SAME DAY 24 HR 48HR 72 HR 5 DAYS NORMAL

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)
 RWQCB REPORTING ARCHIVE SAMPLES UNTIL ___/___/___

SPECIAL INSTRUCTIONS
 Please notify Calscience for approval prior to subcontracting the project.

REQUESTED ANALYSIS

LAB USE ONLY	SAMPLE ID	SAMPLING		Matrix	#Cont	EPA 1668A																
		DATE	TIME																			
	BLD120-MW2	01/15/09	13:00	W	2	X																
	BLD120-MW3	01/15/09	14:01	W	2	X																

1203

Relinquished by: (Signature) <i>Wobats</i>	(CALSCIENCE)	Received by / Affiliation: (Signature) <i>Felix 796265864538 / 796265864550</i>	Date: <i>1/19/09</i>	Time: <i>1435</i>
Relinquished by: (Signature)		Received by / Affiliation: (Signature)	Date:	Time:
Relinquished by: (Signature)		Received by / Affiliation: (Signature) <i>Nicole Brown / CAS-Houston 0°C</i>	Date: <i>1/20/09</i>	Time: <i>1145</i>

Columbia Analytical Services, Inc.
Cooler Receipt Form

Client/Project: Calscience Environmental Laboratories, Inc. Service Request: E0900056

Received: 01/20/09 Opened (Date/Time): 01/20/09 1145 By: Nicole Brown

1. Samples were received via? US Mail Fedex UPS DHL Courier Hand Delivered
2. Samples were received in: (circle) Cooler Box Other _____ NA
3. Were custody seals present on coolers? Y N If yes, how many and where? _____
If present, were custody seals intact? Y N If present, were they signed and dated? Y N
4. Is shipper's air-bill filed? NA Y N If not, record air bill number: 796265864550
796265864538
5. Temperature of cooler(s) upon receipt (°C): 0
6. If applicable, list Chain of Custody numbers: _____
7. Were custody papers properly filled out (ink, signed, etc.)? NA Y N
8. Packing material used: Inserts Bubble Wrap Blue Ice Wet Ice Sleeves Other _____
9. Were the correct types of bottles used for the tests indicated? Y N
Did all bottles arrive in good condition (unbroken)? *Indicate in the table below.* Y N

Sample ID	Bottle Count	Bottle Type	Out of Temp	Broken	Initials
			<input type="checkbox"/>	<input type="checkbox"/>	
			<input type="checkbox"/>	<input type="checkbox"/>	
			<input type="checkbox"/>	<input type="checkbox"/>	
			<input type="checkbox"/>	<input type="checkbox"/>	
			<input type="checkbox"/>	<input type="checkbox"/>	
			<input type="checkbox"/>	<input type="checkbox"/>	
			<input type="checkbox"/>	<input type="checkbox"/>	

10. Were all bottle labels complete (i.e. analysis, ID, etc.)? Y N
Did all bottle labels and tags agree with custody papers? *Indicate in the table below.* Y N

Sample ID on Bottle	Sample ID on COC	Sample ID on Bottle	Sample ID on COC

11. Additional notes, discrepancies, and resolutions:

Sample Acceptance Policy

Custody Seals (desirable, mandatory if specified in SAP):

- ✓ On outside of cooler
- ✓ Seals intact, signed and dated

Chain-of-Custody documentation (mandatory):

- ✓ Properly filled out in ink & signed by the client
- ✓ Sign and date the coc for CAS/HOU upon cooler receipt
- ✓ Coc must list method number
- ✓ If no coc was submitted with the samples, complete a CAS/HOU coc for the client

Sample Integrity (mandatory):

- ✓ Sample containers must arrive in good condition (not broken or leaking)
- ✓ Sample IDs on the bottles must match the sample IDs on the coc
- ✓ The correct type of sample bottle must be used for the method requested
- ✓ The correct number of sample containers received must agree with the documentation on the coc
- ✓ The correct sample matrix must appear on the coc
- ✓ An appropriate sample volume or weight must be received

Temperature Preservatives (varies by sample matrix):

- ✓ Aqueous and Non-aqueous samples must be shipped and stored cold, at 0 to 6°C
- ✓ Tissue samples must be shipped and stored frozen, at -20 to -10°C
- ✓ Air samples can be shipped and stored at ambient temperature, ~23°C
- ✓ The sample temperature must be recorded on the coc
- ✓ Notify a Project Chemist if any samples are outside the acceptance temperature or have compromised sample integrity – the client must decide re: replacement sample submittal or continue with the analysis

Cooler Receipt Form, CRF (mandatory):

- ✓ Cooler receipt forms must be completed for each coc & SR#
- ✓ Sample integrity issues must be documented on the CRF
- ✓ A scan of the carrier and the airbill number must be recorded in CAS LIMS

Sample Integrity Issues/Resolutions (mandatory):

- ✓ Sample integrity issues are documented on the CRF and given to the Project Chemist for resolution with the client
- ✓ Client resolution is documented in writing (typically email or on the CRF) and filed in the project folder(s)

Service Request Summary

Folder #: E0900056
Client Name: Calscience Environmental Laboratory
Project Name: PCB Congeners_Method 1668A
Project Number: 09-01-1235

Report To: Stephen Nowak
 Calscience Environmental Laboratories, Incorporated
 7440 Lincoln Way
 Garden Grove, CA 92841
Phone Number: 714-895-5494
Cell Number:
Fax Number: 714-894-7501
E-mail: snowak@calscience.com

Project Chemist: Jane Freemyer
Originating Lab: HOUSTON
Logged By: NBROWN
Date Received: 1/20/09
Internal Due Date: 2/12/09
QAP: LAB QAP
Qualifier Set: CAS Standard
Formset: CAS Standard
Merged?: N
Report to MDL?: Y
P.O. Number: 09-01-1235
EDD: BASIC_WQC_CASNo

4 . 1000 ml-Glass Bottle NM AMBER Teflon Liner Unpreserved

Location: E-WIC01

CAS Samp No	Client Samp No.	Matrix	Collected	1668A/CI Biphen Cong	SVM
E0900056-001	BLD120-MW2	Water	1/15/09 1300		IV
E0900056-002	BLD120-MW3	Water	1/15/09 1401		IV

Folder Comments:

Change order: Report only the homologs and total PCB values. 01/29/09jf

A 15% surcharge has been applied to cover the re-extraction costs. 03/09/09jf

Test Comments:

Group	Test/Method	Samples	Comments
Semivoa GCMS	CI Biphen Cong/1668A	1-2, 0	RE 02/21/09 ASB

Preparation Information Benchsheet

Prep Run#: 82676
 Team: Semivoa GCMS/AKODUR

Prep Workflow: OrgExtAq(365)
 Prep Method: Method

Status: Prepped
 Prep Date/Time: 2/23/09 03:30 PM

#	Lab Code	Client ID	B#	Method /Test	pH	Matrix	Amt. Ext.	Sample Description
1	E0900054-001RE	MWCL-2	.01	1668A/Cl Biphen Cong		Water	1045mL	extremely light clear liquid
2	E0900054-002RE	MWCL-4	.01	1668A/Cl Biphen Cong		Water	1065mL	extremely light clear liquid
3	E0900055-001RE	MWCL-6	.01	1668A/Cl Biphen Cong		Water	1066mL	extremely light clear liquid
4	E0900055-002RE	MWCL-8	.01	1668A/Cl Biphen Cong		Water	1185mL	yellow cloudy liquid
5	E0900056-001RE	BLD120-MW2	.01	1668A/Cl Biphen Cong		Water	622mL	light yellow cloudy liquid
6	E0900056-002RE	BLD120-MW3	.01	1668A/Cl Biphen Cong		Water	1068mL	white cloudy liquid
7	EQ0900069-01	MB		1668A/Cl Biphen Cong		Liquid	1000mL	
8	EQ0900069-02	LCS		1668A/Cl Biphen Cong		Liquid	1000mL	
9	EQ0900069-03	DLCS		1668A/Cl Biphen Cong		Liquid	1000mL	

Spiking Solutions

Name:	1668A Labeled Working Standard	Inventory ID	8438	Logbook Ref:	B2-30-1	Expires On:	02/23/2019
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E0900054-001	1,000.00µL	E0900054-002	1,000.00µL	E0900055-001	1,000.00µL	E0900055-002	1,000.00µL	E0900056-001	1,000.00µL	E0900056-002	1,000.00µL
EQ0900069-01	1,000.00µL	EQ0900069-02	1,000.00µL	EQ0900069-03	1,000.00µL						

Name:	1668A Working Matrix Standard	Inventory ID	8439	Logbook Ref:	B2-30-2	Expires On:	02/23/2019
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EQ0900069-02	1,000.00µL	EQ0900069-03	1,000.00µL
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Name:	1668A Clean Up Working Standard	Inventory ID	8440	Logbook Ref:	B2-30-3	Expires On:	02/25/2019
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E0900054-001	100.00µL	E0900054-002	100.00µL	E0900055-001	100.00µL	E0900055-002	100.00µL	E0900056-001	100.00µL	E0900056-002	100.00µL
EQ0900069-01	100.00µL	EQ0900069-02	100.00µL	EQ0900069-03	100.00µL						

Preparation Materials

Glass Wool	C2-13-005 (7198)	Sulfuric Acid Reagent Grade H2SO4	C2-20-002 (7193)	Dichloromethane (Methylene Chloride) 99.9% MeCl2	C2-18-009 (7154)
Sodium Chloride Reagent Grade NaCl	C1-104-2 (3306)	Sodium Hydroxide Reagent Grade NaOH	C2-17-001 (7218)	Sodium Sulfate Anhydrous Reagent Grade Na2SO4	C2-19-006 (7201)
Hexane (n-Hexane) 98.5% Minimum	C2-19-007 (7236)	Nonane (n-Nonane) 99%	C2-18-006 (7224)	Silica Gel Reagent Grade	C2-20-001 (7196)
Toluene 99.9% Minimum	C2-19-008 (7143)				

Preparation Steps

Step:	Extraction	Step:	Acid Clean	Step:	Silica Gel Clean	Step:	Final Volume
Started:	2/23/09 15:30	Started:	2/25/09 08:00	Started:	2/25/09 14:00	Started:	2/26/09 07:00
Finished:	2/23/09 17:50	Finished:	2/25/09 08:00	Finished:	2/25/09 18:00	Finished:	2/26/09 10:00
By:	JDIAZ	By:	JDIAZ	By:	JDIAZ	By:	JDIAZ

Preparation Information Benchsheet

Prep Run#: 82676
Team: Semivoa GCMS/AKODUR

Prep WorkFlow: OrgExtAq(365)
Prep Method: Method

Status: Prepped
Prep Date/Time: 2/23/09 03:30 PM

Comments: _____

Reviewed By: _____ Date: _____

Chain of Custody

Relinquished By: _____	Date: _____	<u>Extracts Examined</u>
Received By: _____	Date: _____	Yes No

Nonconformity and Corrective Action Report

NONCONFORMITY

PROCEDURE (SOP or METHOD): **1668A – homologs & total only**

EVENT: Missed Holding Time QC Failure Lab Error (spilled sample, spiking error, etc.)
 Method Blank Contamination Login Error Project Management Error
 Equipment Failure Unacceptable PT Sample Result
 SOP Deviation Other (describe): **filtration not listed on coc – and analysis not stopped after extraction**

SAMPLES / PROJECTS / CUSTOMERS / SYSTEMS AFFECTED:

E0900054-001, -002; E0900055-001, -002; E0900056-001, -002

DETAILED DESCRIPTION:

Water samples must be filtered through 0.45u filter paper before analysis.

ORIGINATOR: **JANE FREEMYER**

DATE: **02/20/09**

CORRECTIVE ACTION AND OUTCOME

Re-establishment of conformity must be demonstrated and documented. Describe the steps that were taken, or are planned to be taken, to correct the particular Nonconformity and prevent its reoccurrence. Include any Project Manager instructions here.

Re-extract all six water samples after filtration through 0.45u paper. Extracting the filter paper is not required.

Is the data to be flagged in the Analytical Report with an appropriate qualifier? **No** **Yes**

APPROVAL AND NOTIFICATION

Supervisor Verification and Approval of Corrective Action Arthi Kodur

Date: 2/23/09

Comments:

QA PM Verification and Approval of Corrective Action Andrew Biddle

Date: 02/21/09

Comments:

Customer Notified by Telephone Fax E-mail Narrative Not notified

Project Manager Verification and Approval of Corrective Action: **Jane Freemyer** Date: **02/20/09**

Comments:

(Attach record or cite reference where record is located.) Project folder archive