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June 5, 2013

Barbara Jakub, P.G.
Alameda County Health Care Services
Environmental Protection
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577

RE: Groundwater Monitoring Report – 2nd & 4th Quarters 2011

SITE: Sheaff's Garage
5930 College Avenue, Oakland, California
ACHCSA Fuel Leak Case No. RO0000377
GGE Project 2014

Dear Ms. Jakub:

Upon my authorization, Golden Gate Environmental, Inc. has prepared a Groundwater Monitoring Report (Dated December 9, 2011) for the 2nd and 4th Quarter 2011 Semi-Annual well monitoring sand sampling events respectively conducted at the above-referenced property on June 9 and October 7, 2011. GGTR has uploaded an electronic copy of the document to the State Water Resources Control Board's GeoTracker Database System. Should you have any questions, please contact Mr. Brent Wheeler, Project Engineer of Golden Gate Environmental at (415) 512-1555 at your convenience.

I declare, under penalty of perjury, that the information and/or recommendations contained in the attached document are true and correct to the best of my knowledge.

Respectfully Submitted,

Dr. Brian Sheaff
William G. Sheaff TTE Trust

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Distribution: (1) Addressee

GROUNDWATER MONITORING REPORT
2nd & 4th Quarters 2011

Sheaff's Garage
5930 College Avenue
Oakland, CA 94618

ACHCSA Fuel Leak Case No. RO0000377

Prepared For:

William G. Sheaff TTE Trust
Dr. Brian R. Sheaff, D.D.S.
1945 Parkside Drive
Concord, CA 94519

Prepared By:

Golden Gate Environmental, Inc.
3730 Mission Street
San Francisco, California 94110

Project No. 2014

Sampling Dates: June 9 & October 7, 2011
Report Date: December 9, 2011

REGISTERED GEOLOGIST
MARK YOUNGKIN
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CERTIFIED ENGINEERING GEOLOGIST
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STATE OF CALIFORNIA

Brent Wheeler
Project Manager

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GROUNDWATER MONITORING REPORT
2nd & 4th Quarters 2011

Sheaff's Garage, 5930 College Avenue, Oakland, CA

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GROUNDWATER MONITORING REPORT
2nd & 4th Quarters 2011

Sheaff's Garage, 5930 College Avenue, Oakland, California

INTRODUCTION

Golden Gate Environmental, Inc. (GGE) presents the results of the 2nd Quarter and 4th Quarter 2011, groundwater monitoring and sampling events conducted respectively on June 9 and October 7, 2011, at 5930 College Avenue in Oakland, California (the Site). The Alameda County Health Care Services Agency (ACHCSA) has designated the Site as Fuel Leak Case No. RO000377. Figure 1 presents a *Site Location Map*. Figure 2 titled *Site Plan*, depicts the Site, adjacent properties, and associated features. Figure 3A titled *Groundwater Data Diagram June 2011* shows the groundwater flow direction for the June 9, 2011 event. Figure 3B titled *Groundwater Data Diagram October 2011* shows the groundwater flow direction for the October 7, 2011 event. Figure 4 titled *TPH Gasoline in Groundwater* illustrates the distribution of total petroleum hydrocarbons (TPH) as gasoline in groundwater across the Site. Table 1 provides a tabulated summary of the laboratory results of historical groundwater sample analyses and fluid-level monitoring data at the Site. Table 2 provides a tabulated summary of sample analyses for Volatile Organic Compounds (VOCs).

Conestoga-Rovers & Associates (CRA; Emeryville, CA) and Gettler-Ryan, Inc. (GR; Dublin, CA) is currently conducting a separate groundwater investigation for the former Chevron Station #20-9339 located adjacent to the north side of the Site at 5940 College Avenue. Two groundwater monitoring wells (GR-MW1 & GR-MW2) are used to evaluate the hydrocarbon concentrations in groundwater at this property. In a letter dated September 1, 2008, the ACHCSA reviewed the case file and requested that additional characterization be performed and a conceptual site model be prepared for the former Chevron Station property.

Joint monitoring and sampling activities have been conducted on a quarterly basis since October 2000. Since the April 8, 2002 event, CRA / Gettler-Ryan has monitored and sampled each well on a biannual basis, performing their most recent 2nd & 4th Quarter 2011 monitoring and sampling events of GR-MW1 & GR-MW2 on April 14 and October 7, 2011. GGE was not authorized to perform the 2nd Quarter 2011 joint monitoring with CRA / Gettler-Ryan in April 2011. As of the First Quarter 2009 event, GGE has been contracted to perform the groundwater monitoring activities at the Site in lieu of Golden Gate Tank Removal, Inc. Figures 2 and 3 show the location of each CRA / Gettler-Ryan well relative to the monitor wells on the subject property. Attachment B includes a summary table provided by CRA titled *Groundwater Monitoring and Sampling Data* (Table 1), presenting results of the October 2010, April 2011 and October 2011 events.

SITE DESCRIPTION

The Site is located at 5930 College Avenue along the east side of College Avenue between Harwood Street and Chabot Road. The Site lies approximately 2.5 miles east of Interstate 80

and the San Francisco Bay. Figure 1 shows the general location of the Site. Stoddard Automotive (formerly Sheaff's Service Garage) currently occupies the Site for the service and repair of automobiles. No active fuel storage or distribution occurs at the Site. The Site is approximately 5,500 square feet in area with about 75% utilized by a covered warehouse/garage and 25% used as an exterior (uncovered) storage yard. The ground surface of the entire Site is paved with concrete. The elevation of the Site is approximately 195 feet above Mean Sea Level as shown on Figure 1. The Site is relatively flat lying with the topographic relief in the immediate vicinity of the Site generally directed toward the southwest. Regional topographic relief appears to be directed toward the west-southwest in the general direction of the San Francisco Bay.

PROJECT HISTORY

One 675-gallon gasoline Underground Storage Tank (UST) and one 340-gallon waste oil UST were located beneath the sidewalk at the southwest corner of the Site. Figure 2 depicts pertinent Site structures and adjacent properties. In August 1996, Golden Gate Tank Removal, Inc. (GGTR) removed two USTs and an associated fuel dispenser from the Site at the locations shown in Figure 2. The following table presents a summary of the tank designations, size, type of construction and contents:

Designation	Construction	Diameter (Feet)	Length (Feet)	Volume (Gallons)	Contents
TANK 1	Steel	4	7	675	Gasoline
TANK 2	Steel	4	3.5	340	Waste Oil

GGTR removed the residual fuel from the subsurface product piping (left in place), thoroughly flushed and drained the piping, and capped both ends. GGTR over-excavated the gasoline-contaminated soil surrounding the former UST location. The tank removal and over-excavation activities are documented in the GGTR document titled *Tank Removal Report* dated October 11, 1996.

Between May 1998 and October 1999, GGTR performed a preliminary subsurface soil boring investigation at the Site and subsequently installed three groundwater monitoring wells in the vicinity of the former UST cavity. Soil borings B1 to B3 were advanced immediately south, east, and west, respectively, of the former UST cavity. Following review and interpretation of all field and soil sample analytical data collected during these activities, additional soil borings B4 to B6 were then advanced at the Site to further assess the extent of contamination in soil and the potential impact to groundwater. The latter borings were converted to 2-inch-diameter groundwater monitoring wells MW-1 to MW-3. Figure 2 depicts the boring and monitoring well locations.

Based on the residual elevated concentrations of gasoline-range hydrocarbons measured in the groundwater samples collected during the April 2001 quarterly monitoring activities, the ACHCSA, in a letter dated July 9, 2001, requested a work plan to assess whether any additional contaminant sources may potentially exists onsite that may be contributing to the elevated hydrocarbon concentration in groundwater. GGTR submitted the work plan on December 19,

2001, which was subsequently approved by the ACHCSA in a letter dated January 3, 2002. In August, October, and November 2002, GGTR implemented the UST product line excavation / removal activities and installed soil borings B7 to B11. Figure 2 depicts the locations of these borings, as well as the location of the former product line and associated sample points. Details are presented in the GGTR document titled *Report of Additional Soil and Groundwater Investigation* dated June 10, 2003.

Based on review of the GGTR report, the ACHCSA in their letter dated September 8, 2003, requested a work plan addressing additional source and site characterization of contaminants in soil and groundwater at the Site. GGTR submitted the Work Plan for Additional Site Characterization on December 29, 2003, and it's Addendum on September 30, 2004, which were conditionally approved by the ACHCSA in letters dated June 3, 2004, and February 22, 2005. Between April and July 2005, GGTR advanced additional borings B12 to B24 to approximately 25 feet below grade surface (fbg) and Hydropunch borings HB-1 to HB-6 to approximately 15 fbg, and converted HB-2 to piezometer well PW-1. Figure 2 shows the location of each additional soil boring. Details of this investigation are presented in the GGTR document titled *Report of Additional Site Characterization and Groundwater Monitoring* dated August 29, 2006.

Between October 2003 and October 2009, GGTR conducted additional quarterly groundwater monitoring and sampling activities at the Site and submitted their associated Groundwater Monitoring Reports to the ACHCSA. GGTR was not contracted to conduct the third Quarter 2006, first Quarter 2008, and third Quarter 2009 groundwater monitoring events at the Site. The results of the October 2009 monitoring and sampling events are presented in the following sections.

Based on review of the conclusions and recommendations presented in the GGTR documents titled *Report of Additional Site Characterization* dated August 2006 and *Groundwater Monitoring Report* dated May 30, 2008, the ACHCSA on July 25, 2008, issued a letter requesting a work plan to implement the conditionally approved activities. The additional work activities are to include 1) vertical and horizontal delineation of dissolved contaminant plume(s), 2) resurveying the wellhead elevations of all existing Site wells and piezometer well, 3) further preferential pathway evaluation of the Harwood Creek conduit down gradient of the Site, 4) further characterization of the PCE-impacted groundwater in the vicinity of PW-1, and 5) updating the existing Site Conceptual Model with data acquired from the additional Site characterization activities. On June 1, 2009, GGTR submitted the *Soil and Water Investigation Work Plan & Site Conceptual Model* to the ACHCSA for review.

In a letter dated August 3, 2010, the ACHCSA requested an addendum to GGTR's June 2009 Work Plan to further assess the vapor intrusion pathway at the site or adjacent residential building, and provide a plan for soil vapor sampling. On October 29, 2010, GGTR submitted its *Work Plan Addendum for Soil Gas Sampling* to the ACHCSA for review. The ACHCSA approved the Addendum in a letter dated June 10, 2011. GGTR is currently awaiting contractual agreement with the responsible party to implement the approved work plan addendum.

GROUNDWATER MONITORING & SAMPLING: JUNE & OCT. 2011

The scope of work for the 2nd & 4th Quarters 2011 groundwater monitoring and sampling events includes the following:

- Monitoring, purging and sampling of monitor wells MW-1, MW-2, MW-3 and PW-1
- Laboratory analysis of groundwater samples
- Waste management
- Electronic data upload to GeoTracker Database System
- Data interpretation

Groundwater Monitoring and Sampling

On June 9 and October 7, 2011, GGE monitored and sampled wells MW-1, MW-2, MW-3 and PW-1. Prior to purging and sampling, GGE removed the well cover and locking compression cap from each well and allowed the groundwater in each well column to stabilize for approximately 20 minutes. GGE then measured and recorded the depth to product/groundwater using an electronic water level indicator. Fluid levels were measured relative to the north side of the top of each well casing to the nearest 0.01 foot.

GGE subsequently purged groundwater from the monitor wells using a peristaltic pump (average flow rate @ 0.13 to 0.22 gallon per minute), and simultaneously monitored and recorded the pH, temperature, and specific conductivity of the purged well water. GGE terminated well purging after evacuation of approximately three well casing volumes or three successive readings of each parameter varied by less than 0.1, 10%, and 3%, respectively. Well PW-1 dewatered completely prior to removing three casing volumes. GGE transferred the purge water directly to a 55-gallon, D.O.T.-approved steel drum.

After the groundwater in each well recharged sufficiently to allow sample collection, GGE recovered a groundwater sample using a peristaltic pump with dedicated tubing lowered just below the last measured groundwater level. The groundwater sample was collected from the discharge end of the dedicated tubing into pre-cleaned, laboratory-provided sample containers. The sample containers were sealed with Teflon caps and all volatile organic analysis (VOA) vials were inverted and checked to insure that no entrapped air was present. The samples were properly labeled and stored in a cooler chilled to approximately 4ºC. Attachment A presents a copy of the Fluid-Level Monitoring Data Form and Well Purging/Sampling Data Sheets for each event.

Water Sample Analytical Methods

GGE submitted the groundwater samples under formal chain of custody command to Torrent Laboratory, Inc., a State-certified analytical laboratory (CA ELAP #1991) in Milpitas, California, for laboratory analysis of the following fuel constituents:

- Total Petroleum Hydrocarbons (TPH) as Gasoline by EPA Method SW8260B
- Benzene, Toluene, Ethylbenzene and Total Xylenes (BTEX) by EPA Method SW8260B

The groundwater sample collected from monitor well PW-1 was additionally analyzed for other VOCs (full list) by EPA Method SW8260B. Groundwater Samples collected during the October 2011 event were additionally analyzed for Methyl Tertiary Butyl Ether (MTBE) by EPA Method SW8260B. Torrent completed all volatile organic analyses within the 14-day required time limit for analysis. GGE directed Torrent to submit all analytical data in electronic deliverable format (EDF) in accordance with the State Water Resources Control Board's GeoTracker database system. Tables 1 and 2 present a summary of the analytical results for the 2nd & 4th Quarter 2011 sampling events as well as previous monitoring/sampling events at the Site. Attachment B includes a copy of the Laboratory Certificate of Analysis and associated Chain of Custody Record for each event.

Waste Management

The well purge and equipment wash and rinse water generated during the was transferred directly to a D.O.T.-approved, 55-gallon drum, appropriately labeled and sealed, and temporarily stored onsite in a secure area pending final disposal at a licensed facility. On November 9, 2011, Big Sky Environmental Solutions removed the drummed purge and wash/rinse water accumulated from the June 2011 event (@ 24 gallons) and October 2011 event (@ 21 gallons) and transported the Waste Liquid under Uniform Hazardous Waste Manifest No.007270079 to the US Ecology facility in Beatty, Nevada. Appendix B includes a copy of the liquid waste manifest.

GeoTracker Electronic Submittal

GGE directed Torrent to submit all analytical data in electronic deliverable format (EDF) via the Internet. GGE uploaded the analytical data as well as the Fluid-Level Monitoring Data (GEO_WELL) for each event to the State Water Resources Control Board's GeoTracker Database System. GGE also uploaded a copy of this report in Portable Data Format (PDF) to the GeoTracker Database. Attachment B includes a copy of each associated GeoTracker Upload Confirmation Sheet.

RESULTS

Groundwater Monitoring Results

For the June 2011 event, the groundwater elevations calculated relative to the top of well casing in wells MW-1, MW-3 and PW-1 ranged between 189.30 (MW-3) and 189.74 (PW-1) feet, as referenced to Mean Sea Level (MSL), and for the October 2011 event, the groundwater elevations in wells MW-1, MW-3 and PW-1 ranged between 186.62 (MW-3) and 187.38 (PW-1) feet . The groundwater elevation and coordinate data for each monitoring event was entered into the EPA On-Line Tools for Site Assessment Calculation, Hydraulic Gradient – Magnitude and Direction. This tool calculates gradient by a least-squares fitting of the data to a plane and used to calculate the approximate groundwater hydraulic gradient and flow direction across the Site. Figures 3A titled *Groundwater Data Diagram June 2011* depicts the groundwater flow direction for the June 2011 monitoring event, and Figure 3B titled *Groundwater Data Diagram October*

2011 depicts the groundwater flow direction for the October 2011 monitoring event. Figures 3A & 3B include a rose diagram presenting the historical groundwater flow direction and hydraulic gradient across the Site as calculated from groundwater elevations from three wells MW-1, MW-3, and PW-1 since April 2005. The EPA On-Line Tools for Site Assessment Calculation sheet for each event is included in Attachment B.

During the June 2011 monitoring event, the groundwater flow direction beneath the Site was estimated at South 4º West (184º) under a hydraulic gradient of approximately 0.0055 ft/ft, and for the October 2011 event, the groundwater flow direction beneath the Site was estimated at South 36º West (216º) under a hydraulic gradient of approximately 0.0063 ft/ft. The groundwater flow direction for the June and October 2011 events is consistent with historical data for the Site with general flow direction towards the south-southwest. For the 2nd Quarter 2011 event, groundwater elevations were measured in CRA / Gettler-Ryan wells on April 14, 2011, approximately 2 months prior to the June 2011 event, showing groundwater elevations approximately 0.4 to 0.93 foot lower than that reported in onsite well MW-1. CRA / Gettler-Ryan groundwater elevations for the October 2011 event appear consistent with site monitor well gradient data.

Results of Groundwater Sampling and Laboratory Analysis

June 2011

Elevated concentrations of TPH as gasoline ranging between 3200 µg/l in well MW-3 and 53000 µg/l in well MW-1 were measured in groundwater samples collected during the June 2011 event. Elevated BTEX concentrations were measured in well MW-1 thru MW-3 during the June 2011 event, with maximum concentrations in MW-1 at 14000, 3000, 3800, and 16900 µg/l, respectively. The TPH as gasoline and BTEX concentrations measured in these wells continue to exceed applicable groundwater ESL values. Figure 4 titled *TPH Gasoline in Groundwater* presents an isoconcentration map for TPH as gasoline in groundwater for the June 2011 event. Table 1 presents a summary of the historical petroleum hydrocarbon analysis results for this event, with the associated laboratory analytical report included in Attachment B.

PCE was detected in the groundwater sample collected in well PW-1 at a concentration of 86 µg/l exceeding its applicable ESL value of 5 µg/l. The concentration of PCE in well PW-1 continues to fluctuate ranging between 25 µg/l in October 2005 to 120 µg/l in April 2009. TCE and Cis-1,2-DCE were measured in well PW-1 at concentrations of 0.85 and 1.4 µg/l, significantly lower than respective concentrations measured in October 2010,and below applicable ESLs. In general, the detectable VOC concentrations measured in PW-1 (except for PCE) decreased since the October 2010 sampling event. Table 2 presents a summary of the historical groundwater VOC analysis results and the complete VOC laboratory report for well PW-1 is included in Attachment B.

October 2011

Elevated concentrations of TPH as gasoline ranging between 5400 µg/l in well MW-3 and 50000 µg/l in well MW-1 were measured in groundwater samples collected during the October 2011

event. Although generally lower than the June 2011 event, elevated BTEX concentrations were again measured in well MW-1 thru MW-3, with maximum concentrations again reported in MW-1 at 9200, 1500, 4200, and 13500 µg/l, respectively. The TPH as gasoline and BTEX concentrations measured in these wells continue to exceed applicable groundwater ESL values. Figure 4 titled *TPH Gasoline in Groundwater* presents an isoconcentration map including data for TPH as gasoline in groundwater for the October 2011 event. Table 1 includes a summary of the historical petroleum hydrocarbon analysis results for this event, and the associated laboratory analytical report is included in Attachment B.

Since October 2009, MTBE and other fuel oxygenate concentrations have been insignificant or below lab detection limits in wells MW-2, MW-3 and PW-1. None of the monitoring well samples were analyzed for MTBE or other fuel oxygenates during the June and October 2011 events.

PCE was again detected in the groundwater sample collected in well PW-1 at a concentration of 76 µg/l exceeding its applicable ESL value of 5 µg/l. TCE and Cis-1,2-DCE were measured in well PW-1 at concentrations of 0.63 and 2 µg/l, similar to those concentrations measured in June 2011. In general, the detectable VOC concentrations measured in well PW-1 (except for PCE) slightly decreased since the June 2011 sampling event. Table 2 includes a summary of the historical groundwater VOC analysis results for the October 2011 event, and the complete VOC laboratory report for well PW-1 is included in Attachment B.

CONCLUSIONS / RECOMMENDATIONS

Due to the elevated concentrations of TPH-G and BTEX remaining in monitor wells MW-1 to MW-3 and PW-1, GGE, recommends continuing the joint groundwater monitoring and sampling program with Conestoga-Rovers & Associates / Gettler-Ryan on a semi-annual basis. Again, sampling should be conducted during the 2nd & 4th Quarters, in which historical groundwater contaminant concentrations in MW-1 to MW-3 have generally been the highest, and to remain consistent with Conestoga-Rovers & Associates / Gettler-Ryan semi-annual monitoring schedule at 5940 College Avenue. The next joint monitoring and sampling event with Conestoga-Rovers & Associates / Gettler-Ryan is tentatively scheduled at the Site in April 2012.

Groundwater samples will continue to be analyzed for TPH-G, BTEX by EPA Method 8260B, to include MTBE during the 4th Quarter 2011 events. Additionally, GGE recommends continuing analysis of the groundwater sample from PW-1 for VOCs (full list) by EPA Method 8260B to further monitor the elevated concentrations of PCE in groundwater in the vicinity of this well.

As per the ACHCSA's most recent directive letter dated June 10, 2011, a Soil & Water Investigation Report was due on September 12, 2011. To date, GGE/GGTR has not been authorized by the responsible party to implement the approved additional site investigation and reporting activities.

REPORT DISTRIBUTION

This report and future correspondence associated with GGE Project 2014 will be submitted to:

Alameda County Health Care Services Agency
Environmental Health Services
Environmental Protection
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577
Attention: Ms. Barbara Jakub **(***1Electronic Copy via ACHCSA FTP Site)*

Dr. Brian R. Sheaff, D.D.S.
1945 Parkside Drive
Concord, CA 94519 *(1 Copy; Bound)*

LIMITATIONS

It should be understood that all environmental assessments are inherently limited in that conclusions are drawn and recommendations developed from information obtained from limited research and visual observations. Subsurface conditions change significantly with distance and time and may differ from the conditions implied by subsurface investigation. It must be noted that no investigation can absolutely rule out the existence of any hazardous materials at a given site. Existing hazardous materials and contaminants can escape detection using these methods. The work performed in conjunction with this assessment and the data developed are intended as a description of available information at the dates and location given.

GGE's professional services have been performed, with findings obtained and recommendations prepared in accordance with customary principles and practices in the field of environmental science, at the time of the assessment. This warranty is in lieu of all other warranties either expressed or implied. GGE is not responsible for the accuracy of information reported by others or the independent conclusions, opinions or recommendations made by others based on the field exploration presented in this report. The findings contained in this report are based upon information contained in previous reports of corrective action activities performed at the subject property and based upon site conditions, as they existed at the time of the investigation, and are subject to change. The scope of services conducted in execution of this phase of investigation may not be appropriate to satisfy the needs of other users and any use or reuse of this document and any of its information presented herein is at the sole risk of said user. No other party may rely on this report for any other purpose.

Golden Gate Environmental, Inc.

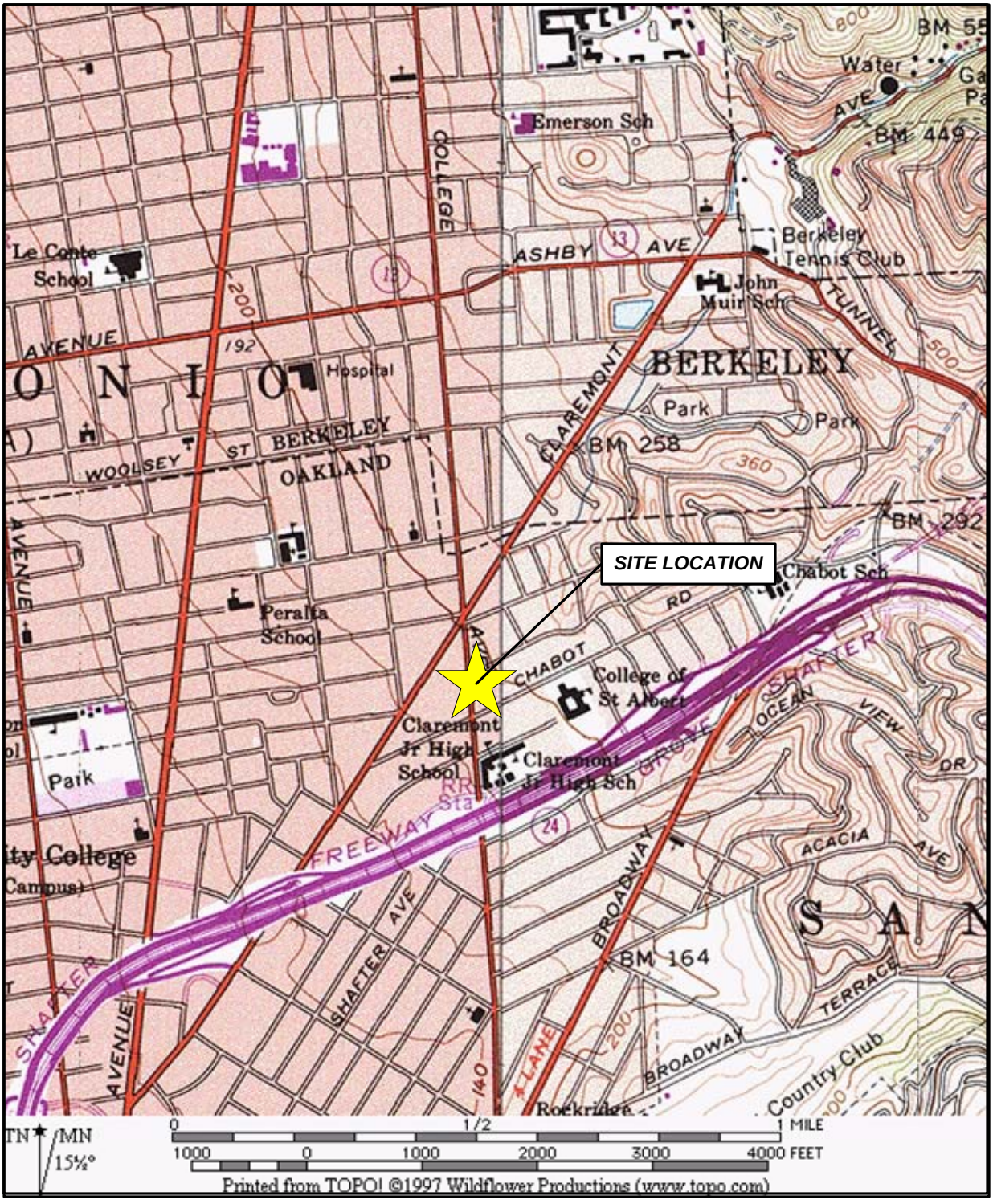
GROUNDWATER MONITORING REPORT
2nd & 4th Quarter 2011

Sheaff's Garage
5930 College Avenue
Oakland, CA 94618

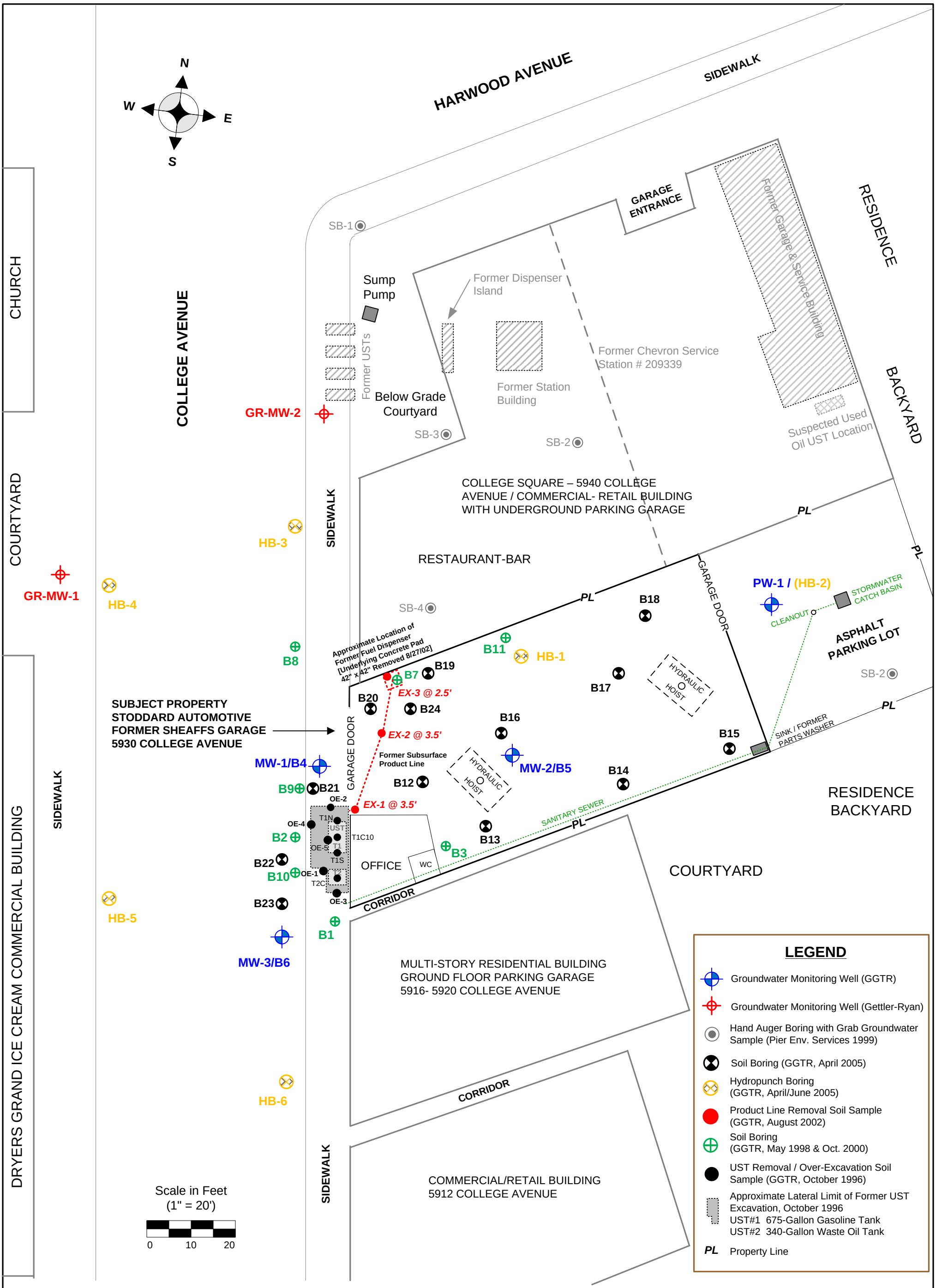
ACHCSA Fuel Leak Case No. RO0000377

ATTACHMENT A

Fluid-Level Monitoring Data Sheet (June 2011)
Well Purging/Sampling Data Sheets (June 2011)
Fluid-Level Monitoring Data Sheet (October 2011)
Well Purging/Sampling Data Sheets (October 2011)



GOLDEN GATE ENVIRONMENTAL, INC. 3730 Mission Street, San Francisco, CA 94110 Ph (415) 970-9088 Fx (415) 970-9089		**SITE LOCATION MAP** Sheaff's Garage 5930 College Avenue Oakland, CA 94618	
GGE Project No. 2014	*Edited by: TF (2/09)*	*January 2009*	***Figure 1***

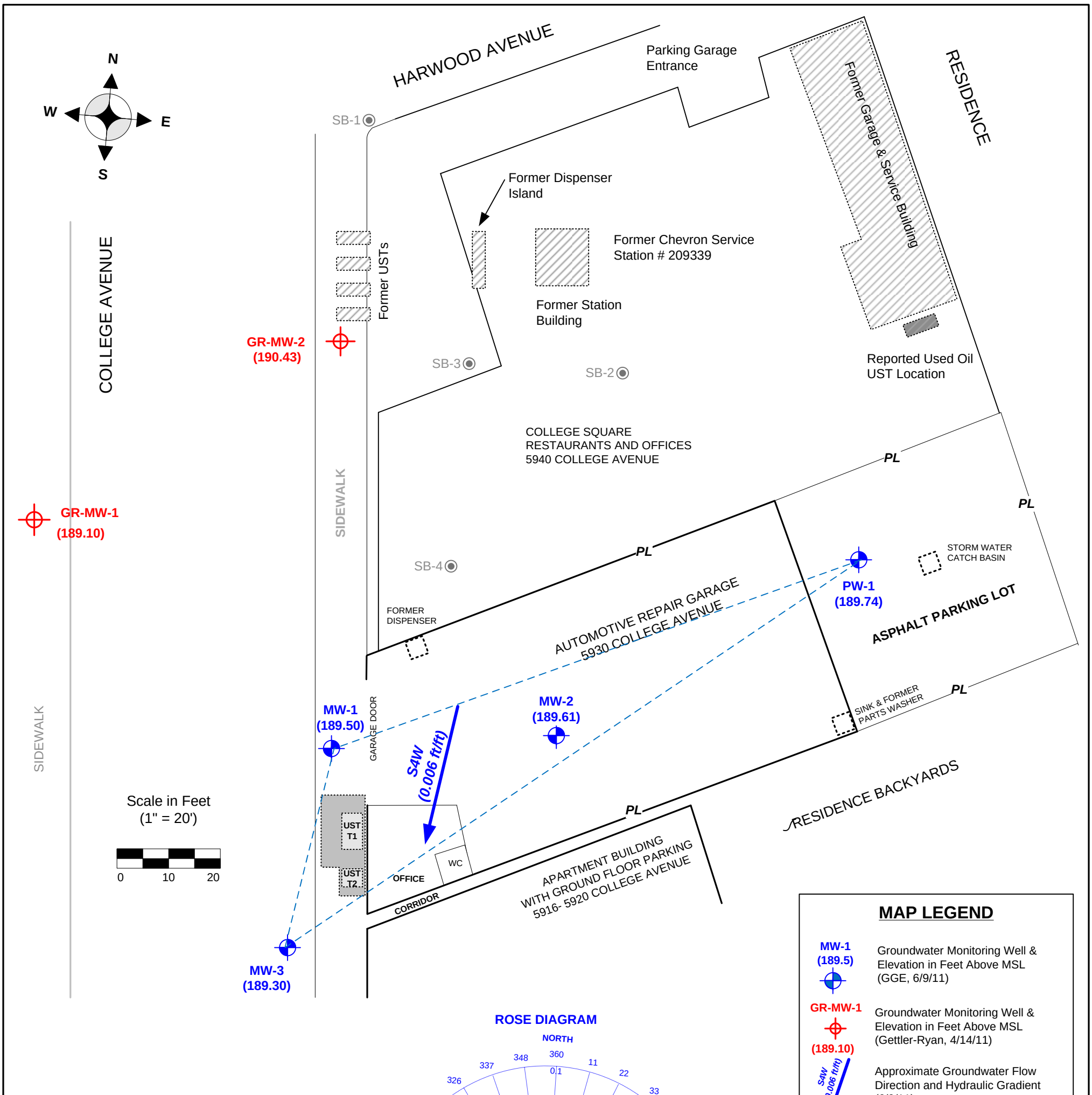


GOLDEN GATE ENVIRONMENTAL, INC.
3730 Mission Street, San Francisco, CA 94110
Ph (415) 970-9088 Fx (415) 970-9089

SITE PLAN

Sheaffs Service Garage
5930 College Avenue, Oakland, CA 94618

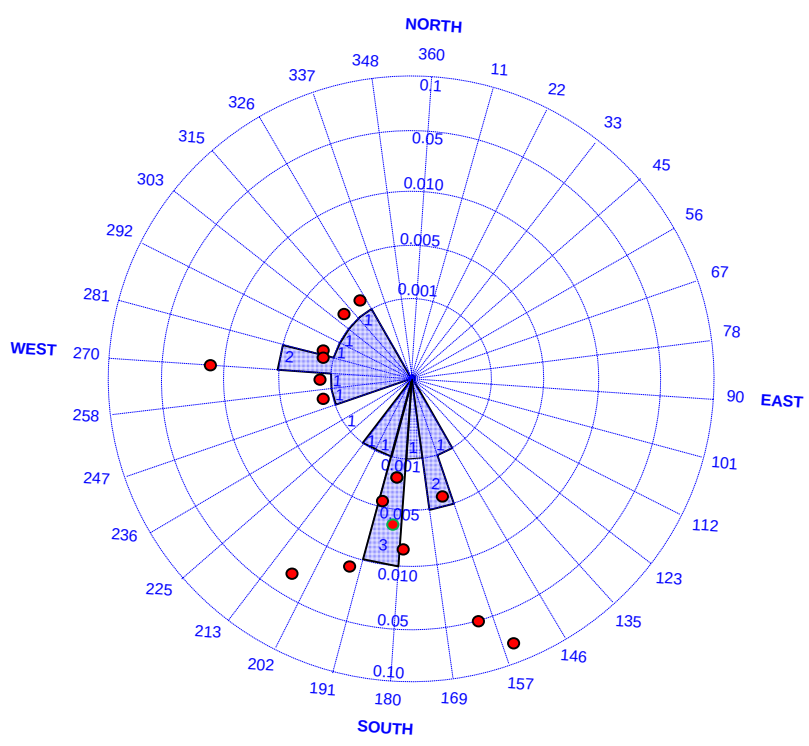
GGE Project No. 2014	Revision By: baw 06/09	June 2009	**Figure 2**



MAP LEGEND

MW-1 (189.5)	Groundwater Monitoring Well & Elevation in Feet Above MSL (GGE, 6/9/11)
GR-MW-1 (189.10)	Groundwater Monitoring Well & Elevation in Feet Above MSL (Gettler-Ryan, 4/14/11)
S4W (0.006 ft/ft)	Approximate Groundwater Flow Direction and Hydraulic Gradient (6/9/11)
ug/L	Micrograms per liter
	Approx. Limit of Former UST Excavation
PL	Property Line

ROSE DIAGRAM



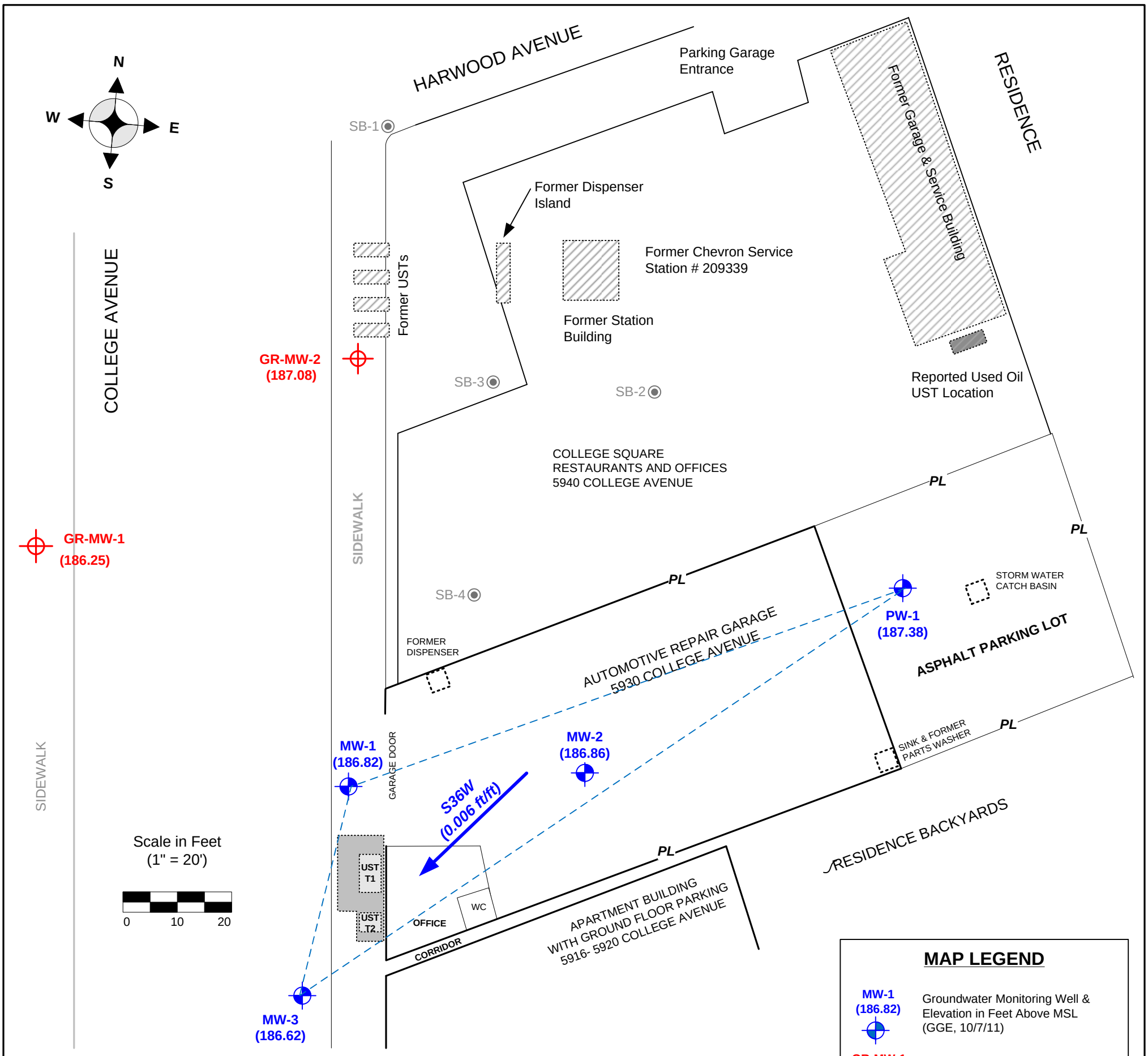
Date	Groundwater Flow Direction / Hydraulic Gradient (ft/ft)
Wells MW-1, MW-3 & PW-1:	
4/14/05	161.3@0.05
7/26/05	282.5@0.002
10/14/05	309.9@0.002
1/13/06	194.8@0.016
04/14/06	208.5@0.026
10/26/06	249.9@0.002
01/30/07	325@0.002
04/13/07	265.9@0.002
07/24/07	281.8@0.002
4/21/08	155.2@0.072
7/22/08	270.4@0.012
10/21/08	159.5@ 0.004
1/19/09	184 @ 0.0017
10/27/09	179 @ 0.008
10/14/10	188 @ 0.004
6/9/11	**184 @ 0.006**

Rose diagram showing historic flow direction & gradient. Circles show recent data from three wells MW-1, MW-3 & PW-1 since April 14, 2005. Note non-linear scale for gradient to accommodate large variation in data. Bar graph shows number of values within each interval of flow direction for recent 2005-2011 data.

GOLDEN GATE ENVIRONMENTAL, INC.
3730 Mission Street, San Francisco, CA 94110
Phone (415) 970-9088 Fax (415) 970-9089

GROUNDWATER DATA DIAGRAM
June 2011
Sheaffs Service Garage
5930 College Avenue, Oakland, CA 94618

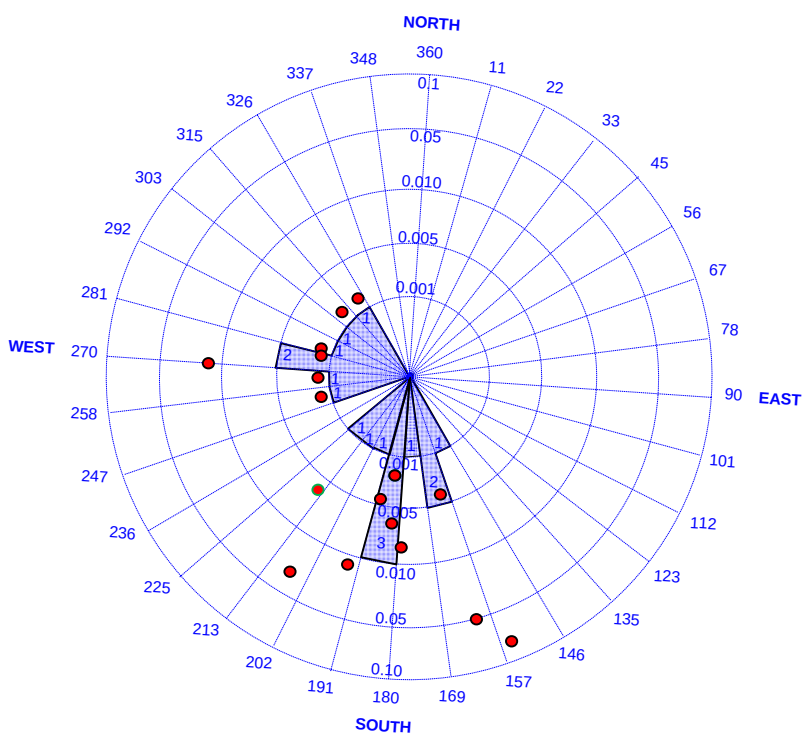
GGE Project No. 2014 | *September 2011* | ***Figure 3A***



MAP LEGEND

MW-1 (186.82)	Groundwater Monitoring Well & Elevation in Feet Above MSL (GGE, 10/7/11)
GR-MW-1 (186.25)	Groundwater Monitoring Well & Elevation in Feet Above MSL (Gettler-Ryan, 10/7/11)
S36W (0.006 ft/ft)	Approximate Groundwater Flow Direction and Hydraulic Gradient (10/7/11)
ug/L	Micrograms per liter
	Approx. Limit of Former UST Excavation
PL	Property Line

ROSE DIAGRAM



Date	Groundwater Flow Direction / Hydraulic Gradient (ft/ft)
Wells MW-1, MW-3 & PW-1:	
4/14/05	161.3@0.05
7/26/05	282.5@0.002
10/14/05	309.9@0.002
1/13/06	194.8@0.016
04/14/06	208.5@0.026
10/26/06	249.9@0.002
01/30/07	325@0.002
04/13/07	265.9@0.002
07/24/07	281.8@0.002
4/21/08	155.2@0.072
7/22/08	270.4@0.012
10/21/08	159.5@ 0.004
1/19/09	184 @ 0.0017
10/27/09	179 @ 0.008
10/14/10	188 @ 0.004
6/9/11	184 @ 0.006
10/7/11	**216 @ 0.006**

Rose diagram showing historic flow direction & gradient. Circles show recent data from three wells MW-1, MW-3 & PW-1 since April 14, 2005. Note non-linear scale for gradient to accommodate large variation in data. Bar graph shows number of values within each interval of flow direction for recent 2005-2011 data.

GOLDEN GATE ENVIRONMENTAL, INC.
3730 Mission Street, San Francisco, CA 94110
Phone (415) 970-9088 Fax (415) 970-9089

GROUNDWATER DATA DIAGRAM
October 2011
Sheaffs Service Garage
5930 College Avenue, Oakland, CA 94618

GGE Project No. 2014 | *September 2011* | ***Figure 3B***

HARWOOD AVENUE

Parking Garage Entrance

RESIDENCE

Former Garage & Service Building

SB-1

Former Dispenser Island

Former Chevron Service Station # 209339

Former Station Building

Former USTs

COLLEGE AVENUE

GR-MW-2
(150/370)

SB-3

SB-2

Reported Used Oil UST Location

COLLEGE SQUARE
RESTAURANTS AND OFFICES
5940 COLLEGE AVENUE

PL

GR-MW-1
(ND<50/140)

SIDEWALK

1000 µg/L

PW-1
(96/260)

STORM WATER CATCH BASIN

SB-4

FORMER DISPENSER

AUTOMOTIVE REPAIR GARAGE
5930 COLLEGE AVENUE

ASPHALT PARKING LOT

10,000 µg/L

50,000 µg/L

MW-1
(53,000/50,000)

GARAGE DOOR

FORMER PRODUCT PIPING

MW-2
(9,900/9,200)

SINK & FORMER PARTS WASHER

S36W
(0.006 ft/ft)

S8W
(0.004 ft/ft)

UST T1

UST T2

OFFICE

WC

CORRIDOR

APARTMENT BUILDING
WITH GROUND FLOOR PARKING
5916- 5920 COLLEGE AVENUE

RESIDENCE BACKYARDS

MW-3
(3,200/5,400)

N

W

E

S

Scale in Feet
(1" = 20')

0 10 20

MAP LEGEND

MW- 1 (53,000/ 50,000)	Groundwater Monitoring Well and TPH-G Concentration in ug/L (June 2011/Oct. 2011)
1,000 ug/L	Approximate TPH-G Isoconcentration Contour Line (June 2011/Oct. 2011)
GR-MW-1 (ND<50/140)	Former Chevron Station - Groundwater Monitoring Well and TPH-G Concentration in ug/l (GR, April 2011/Oct. 2011)
TPH-G	Total Petroleum Hydrocarbons as Gasoline
ug/L	Micrograms per liter
	Approx. Limit of Former UST Excavation
PL	Property Line
	June 9, 2011 Flow Direction & Gradient (MW-1, MW-3, PW-1)
	October 7, 2011 Flow Direction & Gradient (MW-1, MW-3, PW-1)

GOLDEN GATE ENVIRONMENTAL, INC.
3730 Mission Street, San Francisco, CA 94110
Phone (415) 970-9088 Fax (415) 970-9089

TPH GASOLINE IN GROUNDWATER
June & October 2011
Sheaffs Service Garage
5930 College Avenue, Oakland, CA 94618

GGE Project No. 2014 | *September 2011* | ***Figure 4***

TABLE 1

Historical Groundwater Levels & Hydrocarbon Analytical Results

5930 College Avenue, Oakland, CA

Well ID	Sample Date	Casing Elevation (ft, MSL)	Depth to GW (ft, TOC)	Water Elevation (ft, MSL)	Product Odor/ Sheen	TPH-G (ug/L)	MTBE (ug/L)	BTEX (ug/L)
MW-1	6/1/98	50.00 *	4.81	45.19	slight sheen	160000	1900	28000 / 21000 / 3800 / 21000
	9/10/98	50.00 *	7.5	42.5	Odor	290000	440	<50 / 25000 / 7100 / 32000
	10/7/99	50.00 *	10.04	39.96	Odor	85000	1100	20000 / 13000 / 3800 / 17000
	1/26/00	50.00 *	8.26	41.74	slight sheen	130000	470	25000 / 18000 / 4500 / 22000
	10/25/00	50.00 *	10.1	39.9	Odor	130000	1300	23000 / 12000 / 3900 / 18000
	2/2/01	50.00 *	9.61	40.39	Odor	128000	780	19000 / 11000 / 3800 / 18000
	4/25/01	195.9	7.39	188.51	Odor	120000	900	21000 / 13000 / 390 / 18000
	7/10/01		9.72	186.18	Odor	79000	660	15000 / 7800 / 3000 / 15000
	10/8/01		10.88	185.02	Odor/sheen	112000	374	25300 / 11800 / 4280 / 20600
	1/7/02		4.34	191.56	Odor	96100	596	21100 / 13500 / 4160 / 21900
	4/8/02		6.84	189.06	slight odor	111000	679	21200 / 13400 / 4230 / 21000
	7/9/02		9.4	186.5	slight odor	110000	570	20300 / 13300 / 4060 / 19800
	10/23/02		11.04	184.86	None	54100	1010 (1080)**	10800 / 3870 / 2320 / 9440
	10/15/03		10.8	185.1	None	90700	724	17800 / 4740 / 3150 / 13900
	2/2/04		7.35	188.55	None	108000	194	14200 / 7420 / 3450 / 19800
	4/23/04		6.83	189.07	slight odor	49200	114	7910 / 1480 / 1810 / 10100
	7/19/04		8.95	186.95	Odor	63900	303	7260 /2270 / 2510 / 10100
	10/22/04		10.15	185.75	None	80700	493 (296)**	13900 / 1670 / 3550 / 15200
	1/21/05		5.45	190.45	Odor	278000	271 (174)**	14700 / 25300 / 10800 / 73500
	4/14/05		5.3	190.6	Odor /sheen	116000	366 (410)**	15100 / 7080 / 4220 / 20700
	7/26/05		7.6	188.3	Odor	82000	ND<250	12000 / 4500 / 3300 / 14000
	10/14/05		9.58	186.32	Odor/sheen	64000	ND<250	13000 / 5700 / 3400 / 16000
	1/13/06		4.6	191.3	Odor/sheen	49000	ND<250	12000 / 5300 / 3500 / 17000
	4/14/06		3.08	192.82	Odor	51000	270	14000 / 5300 / 3500 / 17000
	10/26/06		9.22	186.68	Odor	34000	ND<250	12000 / 1600 / 3100 / 8600
	1/30/07		9.6	186.3	Odor	39000	ND<200	10000 / 2200 / 2900 / 10000
	4/13/07		9.24	186.66	NM	52000	150	9100 / 2600 / 3100 / 11000
	7/24/07		10.67	185.23	None	46000	240	10000 / 1200 / 3500 / 6200
	4/21/08		7.24	188.66	None	50000	ND<100	7800 / 1500 / 3000 / 12000
	7/22/08		9.71	186.19	Odor	60000	470 [1]	8100 / 1500 / 2700 / 9800
	10/21/08		11.63	184.27	Odor	15000	110	4900 / 430 / 1900 / 2260
	1/19/09		10.91	184.99	Odor/Sheen	33000	143	8830/837/2160/3880
	4/27/09		7.7	188.2	Odor	75000	53	8500/2100/2300/11000
	10/27/09		9.34	186.56	Odor	61000	75	8300/1500/2600/7900
	10/14/10		10.3	185.6	Clear/Odor	24000 [2]	220	8100/820/2200/4400
	6/9/11		6.38	189.5	Clear/Odor	53000	NA	14000/3000/3800/16900
	10/7/11		**9.08**	**186.82**	None	**50000** [2]	**89**	**9200/1500/4200/13500**
CRWQCB ESL - Nov 2007 (Revised May 2008)						**100**	**5**	**1.0 / 40 / 30 / 20**

Table Notes Following

TABLE 1 (Cont.)

Historical Groundwater Levels & Hydrocarbon Analytical Results

5930 College Avenue, Oakland, CA

Well ID	Sample Date	Casing Elevation (ft, MSL)	Depth to GW (ft, TOC)	Water Elevation (ft, MSL)	Product Odor/ Sheen	TPH-G (ug/L)	MTBE (ug/L)	BTEX (ug/L)
MW-2	10/7/99	51.42*	11.49	39.93	slight/odor	18000	490	3000 / 1700 / 1000 / 3900
	1/26/00	51.42*	7.85	43.57	None	42000	560	9300 / 2200 / 2300 / 7700
	10/25/00	51.42*	11.57	39.85	slight/odor	31000	500	5500 / 370 / 1700 / 2600
	2/2/01	51.42*	10.77	40.65	Odor	36000	400	4300 / 530 / 1800 / 4500
	4/25/01	197.28	8.52	188.76	Odor	56000	460	6700 / 1700 / 2600 / 8200
	7/10/01		11.05	186.23	Odor	39000	180	6200 / 730 / 2300 / 6100
	10/8/01		12.79	184.49	Odor/sheen	40700	6460	6310 / 399 / 2100 / 5320
	1/7/02		4.92	192.36	Odor	59600	366**	10300 / 3250 / 4180 / 14400
	4/8/02		8.4	188.88	slight odor	66700	583**	10200 / 2670 / 3840 / 13200
	7/9/02		10.55	186.73	slight odor	37100	303 (298)**	5340 / 890 / 2110 / 6920
	10/23/02		13.85	183.43	None	13300	322 (360)**	2420 / 216 / 922 / 1470
	10/15/03		12.38	184.9	None	11300	264 (322)**	2660 / 51 / 1180 / 1220
	2/2/04		8.8	188.48	None	21700	168 (200)**	2130 / 51 / 1030 / 2060
	4/23/04		8.4	188.88	Slight odor	30400	112 (203)**	3570 / 322 / 1620 / 4140
	7/19/04		10.3	186.98	Odor	28300	283 (373)**	2540 / 239 /1320 / 2300
	10/22/04		10.25	187.03	Mod odor	13500	273 (229)**	1790 / 54 / 892 / 915
	1/21/05		6.65	190.63	Mod odor	278000	161 (163)**	5980 / 1030 / 2890 / 9070
	4/14/05		8.7	188.58	None	46100	155 (150)**	5170 / 787 / 2530 / 6010
	7/26/05		8.95	188.33	Mod odor	41000	ND (ND)**	5600 / 550 / 2600 / 4600
	10/14/05		10.92	186.36	Odor/sheen	13000	130	2900 / 100 / 1300 / 1200
	1/13/06		5.48	191.8	Odor	20000	ND<100	4900 / 490 / 2400 / 4200
	4/14/06		3.61	193.67	Odor	21000	ND<100	4000 / 740 / 2300 / 5100
	10/26/06		10.58	186.7	Odor	8200	68	1400 / 51 / 840 / 500
	1/30/07		10.98	186.3	Odor	17000	62	3200 / 150 / 2200 / 1800
	4/13/07		10.54	186.74	NM	19000	57	2000 / 85 / 1300 / 1100
	7/24/07		12.04	185.24	None	10000	84	1300 / 41 / 710 / 270
	4/21/08		8.01	189.27	None	17000	48	1800 / 100 / 1400 / 1300
	7/22/08		11.12	186.16	None	16000	100 [1]	1900 / 98 / 1600 / 741
	10/21/08		13.11	184.17	Odor/sheen	4900	65	700 / 20 / 370 / 52
	1/19/09		12.31	184.97	Odor	2500	90	167/8.49/114/50.3
	4/27/09		9.01	188.27	Odor/sheen	21000	ND<0.5	1700/130/1100/1800
	10/27/09		10.52	186.76	Odor	7000	ND<0.5***	510/19/330/160
	10/14/2010		11.56	185.72	None	3200 [2]	35	460/16/230/110
	6/9/2011		7.67	189.61	Clear/Odor	9900	NA	1900/75/1100/1013
	10/7/2011		**10.42**	**186.86**	**Clear/Odor**	**9200** [4]	**ND<22**	**810/34/610/100**
CRWQCB ESL - Nov 2007 (Revised May 2008)						**100**	**5**	**1.0 / 40 / 30 / 20**

Table Notes Following

TABLE 1 (Cont.)

Historical Groundwater Levels & Hydrocarbon Analytical Results

5930 College Avenue, Oakland, CA

Well ID	Sample Date	Casing Elevation (ft, MSL)	Depth to GW (ft, TOC)	Water Elevation (ft, MSL)	Product Odor/ Sheen	TPH-G (ug/L)	MTBE (ug/L)	BTEX (ug/L)
MW-3	10/7/99	49.39*	9.67	39.72	None	6600	390	310 / 110 / 430 / 1000
	1/26/00	49.39*	5.4	43.99	None	3300	40	110 / 8 / 100 / 32
	10/25/00	49.39*	9.24	40.15	Slight odor	4500	ND	100 / 2 / 120 / 130
	2/2/01	49.39*	8.73	40.66	Slight odor	2900	35	35 / 3 / 160 / 298
	4/25/01	195.22	6.61	188.61	Slight odor	8400	56	260 / 33 / 290 / 510
	7/10/01		8.85	186.37	Slight odor	12000	35	39 / 10 / 690 / 1600
	10/8/01		9.75	185.47	Odor/sheen	4913	52	108 / 4 / 99 / 133
	1/7/02		4.25	190.97	Odor/sheen	7260	81.7**	723 / 138 / 492 / 887
	4/8/02		6.33	188.89	Odor	11700	ND**	540 / 108 / 706 / 1710
	7/9/02		8.56	186.66	Odor	2320	28.3 (20)**	37.1 / 4.7 / 98.5 / 187
	10/23/02		10.02	185.2	Odor/sheen	2830	ND (ND)**	46.8 / 4.7 / 43.6 / 65.5
	10/15/03		9.8	185.42	Odor/sheen	3040	ND (ND)**	91.3 / 8.4 / 69.9 / 148
	2/2/04		6.85	188.37	Odor/sheen	5140	ND (ND)**	126 / 8.7 / 134 / 238
	4/23/04		6.17	189.05	None	7210	ND (ND)**	227 / 39.5 / 448 / 879
	7/19/04		8.25	186.97	Slight odor	9860	ND (ND)**	20.4 / 3.2 / 30.6 / 117
	10/22/04		9.25	185.97	None	7420	96 (21)**	152 / 12.8 / 267 / 480
	1/21/05		5.22	190	Slight odor	2420	ND (ND)**	111 / 11.4 / 139 / 265
	4/14/05		6.64	188.58	Odor/sheen	5130	54 (41.4)**	357 / 19.4 / 287 / 510
	7/26/05		6.9	188.32	None	9800	ND (21)**	200 / 23 / 220 / 360
	10/14/05		8.83	186.39	Odor/sheen	6100	ND	76 / 19 / 170 / 350
	1/13/06		4.61	190.61	Odor	3900	24	380 / 17 / 230 / 300
	4/14/06		3.41	191.81	Odor	5000	69	760 / 44 / 230 / 190
	10/26/06		8.57	186.65	Odor	3100	17	120 /9.8 /55 / 54
	1/30/07		8.83	186.39	Odor	4500	ND<10	90 /7.6 / 75 / 44
	4/13/07		8.57	186.65	NM	2800	ND<5	55 / 4.9 / 19 / 6.1
	7/24/07		9.98	185.24	None	4800	ND<5	140 / 8.3 / 66 / 22
	4/21/08		9.3	185.92	None	4300	ND<5	200 / 11 / 30 / 14
	7/22/08		9.05	186.17	None	2400	53 [1]	140 / 13 / 26 / 18.5
	10/21/08		11.12	184.1	Slight Odor	2900	2.2	170 / 9.2 / 99 / 25.8
	1/19/09		10.29	184.93	Odor	3600	ND<0.5	148/6.73/24.5/22.1
	4/27/09		7.15	188.07	Odor/sheen	5800	8.8	370/12/82/84
	10/27/09		8.96	186.26	Odor	4900 [2]	ND<0.5***	130/8.5/89/130
	10/14/2010		9.76	185.46	None	2700 [2]	ND<4.4	270/11/290/399.2
	6/9/2011		5.92	189.3	Clear/Odor	3200 [2]	NA	220/ND<4.4/37/20
	10/7/2011		**8.6**	**186.62**	None	**5400 [2]**	**ND<4.4**	**140/7.0/160/67**
CRWQCB ESL - Nov 2007 (Revised May 2008)						**100**	**5**	**1.0 / 40 / 30 / 20**

Table Notes Following

TABLE 1 (Cont.)

Historical Groundwater Levels & Hydrocarbon Analytical Results

5930 College Avenue, Oakland, CA

Well ID	Sample Date	Casing Elevation (ft, MSL)	Depth to GW (ft, TOC)	Water Elevation (ft, MSL)	Product Odor/ Sheen	TPH-G (ug/L)	MTBE (ug/L)	BTEX (ug/L)
PW-1	4/14/05	197.17	6.4	190.77	None	3360	ND (ND**)	62.8 / 6.7 / 79.5/ 317
	7/26/05		8.63	188.54	None	1300	ND (ND**)	22 / ND / 48 / 110
	10/14/05		10.71	186.46	None	4300	ND	93 /1.2 / 100 / 140
	1/13/06		4.87	192.3	None	450	ND<2.0	10 / ND / 37 / 72
	4/14/06		2.27	194.9	Odor	120	ND<2.0	2.3 / ND<1.0 / 3.5 /9.3
	10/26/06		10.3	186.87	Odor	2800	ND<10	61 / ND<5.0 / 130 / 34
	1/30/07		10.8	186.37	Odor	1200	ND<2	22 / ND<1.0 / 100 / 200
	4/13/07		10.31	186.86	NM	510	ND<1	6 / ND<0.5 / 30 / 56
	7/24/07		11.81	185.36	None	3400	ND<5	63 / ND<2.5 / 180 / 5.6
	4/21/08		9.08	188.09	None	300	ND<1	3 / ND<0.5 / 16 / 26
	7/22/08		9.83	187.34	None	710	3.1 [1]	9.3 / 1.2 [1] / 49 / 67.86
	10/21/08		12.9	184.27	None	1500 [2]	1	20 / ND<0.5 / 57 / 20
	1/19/09		12.11	185.06	Odor/sheen	1100 [2]	ND<0.5	12.3/ND<0.5/30.8/9.20
	4/27/2009		8.69	188.48	None	360 [3]	ND<0.5	2.7/ND<0.5/12/18
	10/27/2009		10.32	186.85	None	1100 [2]	ND<0.5	12/ND<0.5/36/34
	10/14/2010		11.38	185.79	None	860 [3]	ND<0.5	8.8/.55/44/44
	6/9/2011		7.43	189.74	None	96 [3]	ND<0.5	ND<0.5/ND<0.5/3.1/2.5
	10/7/2011		**9.79**	**187.38**	**None**	**260 [5]**	**ND<0.5**	**ND<0.5/ND<0.5/5.9/4.5**
CRWQCB ESL - Nov 2007 (Revised May 2008)						**100**	**5**	**1.0 / 40 / 30 / 20**

NOTES:

ft, MSL = feet Above Mean Sea Level

TOC = Top of Well Casing

GW = Depth to Groundwater in feet Below TOC

TPH-G = Total Petroleum Hydrocarbons as Gasoline

MTBE = Methyl Tertiary Butyl Ether

BTEX = Benzene / Toluene / Ethylbenzene / Total Xylenes

ug/L = micrograms per liter

ND = Not detected above laboratory reporting limit

[1] = Presence confirmed, but Relative Percentage Difference (RPD) between columns exceeds 40%

[2] = Sample exhibit chromatographic pattern that does not resemble standard; See laboratory report for additional information

[3] = Although TPH-gas compounds are present, value is elevated due to discrete peak (PCE) within C5-C12 range quantified as gasoline

[4] = Result is elevated due to contribution from heavy end hydrocarbons within C5-C12 range quantified as gasoline

[5] = Result is elevated due to contribution from heavy end hydrocarbons and discrete peak of non-fuel compound within C5-C12 range quantified as gasoline

* = Arbitrary datum point with assumed elevation of 50 ft used prior to MSL survey on 4/ 25/01

** = Concentration confirmed by EPA Method 8260

** = Sample also analyzed for other Fuel oxygenates (EPA Method 8260); All results ND (See Lab Report)

CRWQCB/ESL = California Regional Water Quality Control Board's Interim Final - November 2007 (Revised May 2008), Tier 1 Environmental Screening Level for groundwater that **IS** a potential source of drinking water

TABLE 2
Historical Groundwater VOC Analytical Results in PW-1
5930 College Avenue, Oakland, CA

Well ID	Sample Date	IPB (ug/L)	n-PB (ug/L)	1,3,5-TMB (ug/L)	1,2,4-TMB (ug/L)	Sec-BB (ug/L)	n-BB (ug/L)	Naphthalene (ug/L)	TCE (ug/L)	MC (ug/L)	cis-1,2-DCE (ug/L)	Vinyl Chloride (ug/L)	PCE (ug/L)
PW-1	4/14/05	11	22	110	100	ND,10	ND<10	43	3.3	ND<25	12	ND<0.5	84.9
	7/26/05	7.3	17	37	100	ND<10	ND<10	43	ND<1	ND<10	7	ND<1	48
	10/14//05	28	72	67	120	12	17	43	4.1	ND<40	29	ND<1	25
	1/13/06	ND<20	ND<10	ND<10	37	ND<10	ND<10	ND<10	1.4	ND<40	5	ND<1	95
	4/14/06	ND<2	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	1.1	ND<40	2.8	ND<1	68
	10/26/06	ND<10	ND<50	ND<50	ND<50	ND<50	ND<50	ND<50	6.2	ND<200	32	ND<5.0	26
	1/30/07	ND<2	23	31	120	ND<10	ND<10	18	ND<1	ND<40	11	ND<1	29
	4/13/07	2.4	6.1	7	30	ND<5	ND<5	6.8	0.84	ND<20	4.7	ND<0.5	64
	7/24/07	ND<5.0	60	ND<25	ND<25	ND<25	ND<25	ND<25	ND<2.5	ND<100	58	ND<2.5	50
	4/21/08	1.1	ND<5	ND<5	15	ND<5	ND<5	ND<5	0.88	ND<20	3.7	ND<0.5	91
	7/22/08	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	10/21/08	17	14	5	15	9.4	14	5.1	6.2	ND<10	56	0.6	44
	4/27/09	1.2	3.3	3.4	16	ND<0.5	ND<0.5	ND<1.0	1.4	ND<5.0	4	ND<0.5	120
	10/27/09	6	4.8	ND<0.5	15	ND<0.5	ND<0.5	ND<1.0	ND<0.5	ND<5.0	35	ND<0.5	78
	10/14/10	9.8	15	12	44	4.4	ND<0.5	4	5	ND<5.0	61	ND<0.5	35
	6/9/11	0.55	1.7	0.98	3.7	ND<0.5	ND<0.5	ND<1.0	0.85	ND<5.0	1.4	ND<0.5	86
	10/7/11	**0.79**	**1.8**	**0.99**	**3.8**	**ND<0.5**	**0.68**	**1.2**	**0.63**	**ND<5.0**	**2**	**ND<0.5**	**76**
CRWQCB ESL		**NC**	**NC**	**NC**	**NC**	**NC**	**NC**	**17**	**5**	**5**	**6**	**0.5**	**5**

NOTES:
VOC = Volatile Organic Compounds
IPB = Isopropylbenzene
n-PB = n-Propylbenzene
1,3,5-TMB = 1,3,5-Trimethylbenzene
1,2,4-TMB = 1,2,4-Trimethylbenzene
sec-BB = sec-Butylbenzene
n-BB = n-Butylbenzene
TCE = Trichloroethene
MC = Methylene Chloride
cis-1,2-DCE = cis-1,2-Dichloroethene
PCE = Tetrachloroethene
ug/l = micrograms per liter
ND = Not detected above laboratory reporting limit
NC = No Criteria Listed
NA = Not Analyzed

CRWQCB/ESL = California Regional Water Quality Control Board's Interim Final - November 2007 (Revised May 2008), Tier 1 Environmental Screening Level for groundwater that **IS** a potential source of drinking water

GROUNDWATER MONITORING REPORT
2nd & 4th Quarter 2011

Sheaff's Garage
5930 College Avenue
Oakland, CA 94618

ACHCSA Fuel Leak Case No. RO0000377

ATTACHMENT A

Fluid-Level Monitoring Data Sheet (June 2011)
Well Purging/Sampling Data Sheets (June 2011)
Fluid-Level Monitoring Data Sheet (October 2011)
Well Purging/Sampling Data Sheets (October 2011)

Golden Gate Environmental, Inc.

FLUID-LEVEL MONITORING DATA

Project No: 2014 Date: 6/9/11

Project/Site Location: 5930 College Ave

Technician: JC Instrument: _____

Sampler Order	Boring/ Well ID	Depth to Water (feet)	Depth to Product (feet)	Product Thickness (feet)	Total Well Depth (feet)	Comments
4	MW-1	6.39	—	—	14.00	No Odor 0830
3	MW-2	7.67	—	—	20.00	No Odor 0820
2	MW-3	5.92	—	—	20.00	No Odor 0810
1	PW-1	7.43	—	—	20.00	No Odor 0805

Measurements referenced to: _____ TOC _____ Grade. Page ____ of ____

Golden Gate Environmental, Inc

Well Purging Sampling Data Form

Project #: 2014 Date 6/9/11

Project/Site Address: 5930 College

Technician/Sampler: J Carver

Casing Diameter (Inches)	0.75	2	4	6	8	12
Casing Volume (Gallons/Linear Foot)	0.02	0.17	0.66	1.5	2.6	5.81

Well No. MW1

A. Total Well Depth	14.00	Ft. (TOC)
B. Depth to Groundwater (DTGW)	6.38	Ft. (TOC)
C. Water Height (A-B)	7.62	Ft.
D. Well Casing Diameter	2	In.
E. Casing Volume Constant	0.17	Gallons/Ft.
F. One (1) Casing Volume (CxE)	1.30	Gallons
G. Three (3) Casing Volumes (CxEx3)	3.90	Gallons
H. 80% Recharge Level [A-(0.80xC)]	7.9	Ft.

6.1

Purge Event

Start Time: 1125 DTGW: 6.38

Finish Time: 1145 DTGW: 8.51

Purge Volume: 4.0

Purge Intake Depth: 13.0

Purge Rate (Gals./Min._Ml./Min.): 0.20 gpm

Purge Water Appearance: Clear, no sheen, odor

Recharge Event

Start Time: 1147 DTGW: 8.51

Finish Time: 1150 DTGW: 7.92

Recharge Rate (Ft./Min.): 0.14 fpm

Water Quality Parameters:

1 2 3 4

Casing Volume (Gallons)

	0	0.5	1	1.5	2	2.5	3
Time	1125	1130	1134	1140	1145		
DTGW	6.38	7.20	7.79	8.20	8.51		
pH	7.21	7.19	7.18	7.15	6.94		
Temp (C)	17.3	16.9	17.3	17.2	17.0		
Cond.	520	493	46.4	46.5	39.8		
Turbidity (NTU)							
DO (%)							
ORP (mV)							

Summary Data:

Total Gallons Purged: 4.0

Purge Rate (Gals./Min.): 0.20 gpm

Purge Device: Peristaltic

Sampling Device: Peristaltic

Sample Intake Depth: 8.0

Sample Collection Time: 1150

Sample Appearance: Clear, no sheen, slight odor

Notes:

Drums Remaining Onsite: _____ Total Drum Volume (Gals.): _____

Golden Gate Environmental, Inc

Well Purging Sampling Data Form

Project #: 2014 Date 6/9/11

Project/Site Address: 5930 College

Technician/Sampler: J Carver

Casing Diameter (Inches)	0.75	2	4	6	8	12
Casing Volume (Gallons/Linear Foot)	0.02	0.17	0.66	1.5	2.6	5.81

Well No. MW2

A. Total Well Depth	20.00	Ft. (TOC)
B. Depth to Groundwater (DTGW)	7.67	Ft. (TOC)
C. Water Height (A-B)	12.33	Ft.
D. Well Casing Diameter	2	In.
E. Casing Volume Constant	0.17	Gallons/Ft.
F. One (1) Casing Volume (CxE)	2.10	Gallons
G. Three (3) Casing Volumes (CxEx3)	6.30	Gallons
H. 80% Recharge Level [A-(0.80xC)]	10.14	Ft.
	9.86	

Purge Event

Start Time: 1035 DTGW: 7.67

Finish Time: 1104 DTGW: 12.13

Purge Volume: 6.30

Purge Intake Depth: 19.0

Purge Rate (Gals./Min._Ml./Min.): 0.22 gpm

Purge Water Appearance: Clear, odor, no sheen

Recharge Event

Start Time: 1104 DTGW: 12.13

Finish Time: 1109 DTGW: 10.80

Recharge Rate (Ft./Min.): 0.27 FPM

Water Quality Parameters: 2 4 6.30

Casing Volume (Gallons)

	0	0.5	1	1.5	2	2.5	3
Time	1035	1045	1054	1104			
DTGW	7.67	9.56	11.46	12.13			
pH	7.02	6.95	6.99	7.06			
T (°C)	17.6	17.4	17.4	17.3			
Cond.	483	471	468	506			
DO (mg/l)							
DO (%)							
ORP (mV)							

Summary Data:

Total Gallons Purged: 6.30

Purge Rate (Gals./Min.): 0.22 gpm

Purge Device: PerStaltic

Sampling Device: Peristaltic

Sample Intake Depth: 13.0

Sample Collection Time: 1115

Sample Appearance: Clear, no sheen, Odor

Notes:

Drums Remaining Onsite: _____ Total Drum Volume (Gals.): _____

Golden Gate Environmental, Inc

Well Purging Sampling Data Form

Project #: 2014 Date 6/9/14

Project/Site Address: 5930 Colley

Technician/Sampler: J Carver

Casing Diameter (Inches)	0.75	2	4	6	8	12
Casing Volume (Gallons/Linear Foot)	0.02	0.17	0.66	1.5	2.6	5.81

Well No. MW3

A. Total Well Depth	20	Ft. (TOC)
B. Depth to Groundwater (DTGW)	5.92	Ft. (TOC)
C. Water Height (A-B)	14.08	Ft.
D. Well Casing Diameter	2	In.
E. Casing Volume Constant	0.17	Gallons/Ft.
F. One (1) Casing Volume (CxE)	2.39	Gallons
G. Three (3) Casing Volumes (CxEx3)	7.18	Gallons
H. 80% Recharge Level [A-(0.80xC)]	8.74	Ft.
	11.26	

Purge Event

Start Time: 0935 DTGW: 5.92

Finish Time: 1012 DTGW: 13.16

Purge Volume: 7.2

Purge Intake Depth: 19.0

Purge Rate (Gals./Min._Ml./Min.): 0.19 gpm

Purge Water Appearance: clear, odor, no sheen

Recharge Event

Start Time: 1012 DTGW: 13.16

Finish Time: 1017 DTGW: 12.69

Recharge Rate (Ft./Min.): 0.09 FPM

Water Quality Parameters: 2 4 6 7.2

Casing Volume (Gallons)

	0	0.5	1	1.5	2	2.5	3
Time	0935	0945	0955	1005	1012		
DTGW	5.92	8.54	10.36	11.38	13.16		
pH	7.45	7.34	7.26	7.27	7.16		
Temp (°C)	15.8	15.7	15.8	15.7	15.9		
Cond.	57.2	52.5	49.1	46.6	43.5		
DO (mg/l)							
DO (%)							
ORP (mV)							

Summary Data:

Total Gallons Purged: 7.2 gal

Purge Rate (Gals./Min.): 0.19 gpm

Purge Device: Peristaltic

Sampling Device: Peristaltic

Sample Intake Depth: 13.50

Sample Collection Time: 1015

Sample Appearance: clear, no sheen, no odor

Notes:

3/16

Drums Remaining Onsite: _____ Total Drum Volume (Gals.): _____

Golden Gate Environmental, Inc

Well Purging Sampling Data Form

Project #: 2014 Date 6/3/11

Project/Site Address: 5330 College

Technician/Sampler: JC

Casing Diameter (Inches)	0.75	2	4	6	8	12
Casing Volume (Gallons/Linear Foot)	0.02	0.17	0.66	1.5	2.6	5.81

Well No. PW1

A. Total Well Depth	20.00	Ft. (TOC)
B. Depth to Groundwater (DTGW)	7.43	Ft. (TOC)
C. Water Height (A-B)	12.57	Ft.
D. Well Casing Diameter	2	In.
E. Casing Volume Constant	0.17	Gallons/Ft.
F. One (1) Casing Volume (CxE)	2.13	Gallons
G. Three (3) Casing Volumes (CxEx3)	6.39	Gallons
H. 80% Recharge Level [A-(0.80xC)]	9.94 10.06	Ft.

Purge Event

Start Time: 0844 DTGW: 7.43

Finish Time: 0917 DTGW: 8.21

Purge Volume: 6.4 gal

Purge Intake Depth: 19.00

Purge Rate (Gals./Min._Ml./Min.): 0.19 gpm

Purge Water Appearance: No odor, no sheen

Recharge Event

Start Time: 0917 DTGW: 8.21

Finish Time: 0921 DTGW: 7.60

Recharge Rate (Ft./Min.): 0.13 fpm

Water Quality Parameters: 2 4 6.4

Casing Volume (Gallons)

	0	~~0.5~~	~~1~~	~~1.5~~	2	2.5	3
Time	0844	0856	0907	0917			
DTGW	7.43	8.04	8.16	8.21			
pH	8.83	8.34	7.88	7.74			
T (°C)	16.6	16.4	16.3	16.3			
Cond.	130.3	88.4	75.5	64.9			
DO (mg/l)							
DO (%)							
ORP (mV)							

Summary Data:

Total Gallons Purged: 6.4

Purge Rate (Gals./Min.): 0.19 gpm

Purge Device: ~~Pump~~ Peristaltic

Sampling Device: Peristaltic

Sample Intake Depth: 8.00

Sample Collection Time: 0923

Sample Appearance: No odor, No sheen, clear

Notes:

Drums Remaining Onsite: _____ Total Drum Volume (Gals.): _____

Golden Gate Environmental, Inc.

FLUID-LEVEL MONITORING DATA

Project No: 2014 Date: 10/7/11 Fr:

Project/Site Location: 5930 College Ave Oak

Technician: J Carver Instrument:

Sample order	Boring/ Well ID	Depth to Water (feet)	Depth to Product (feet)	Product Thickness (feet)	Total Well Depth (feet)	Comments
4	MW-1	9.08	—	—	14.0	
3	MW-2	10.42			20.0	
2	MW-3	8.60	—	—	20.0	
1	PW-1	9.79			20.0	

Measurements referenced to: _____ TOC _____ Grade. Page ____ of ____

Golden Gate Environmental, Inc.

Well Purging Sampling Data Form

Project #: 2014 Date 10/7/11

Project/Site Address: 5930 College Ave

Technician/Sampler: J Carver

Casing Diameter (Inches)	0.75	2	4	6	8	12
Casing Volume (Gallons/Linear Foot)	0.02	0.17	0.66	1.5	2.6	5.81

Well No. MW 1

A. Total Well Depth 14.0 Ft. (TOC)

B. Depth to Groundwater (DTGW) 9.08 Ft. (TOC)

C. Water Height (A-B) 4.92 Ft.

D. Well Casing Diameter 2 In.

E. Casing Volume Constant 0.17 Gallons/Ft.

F. One (1) Casing Volume (CxE) .84 Gallons

G. Three (3) Casing Volumes (CxEx3) 2.52 Gallons

H. 80% Recharge Level [A-(0.80xC)] 10.06 Ft.

Purge Event 8.94

Start Time: 1010 DTGW: 9.08

Finish Time: 1027 DTGW: 11.06

Purge Volume: 3

Purge Intake Depth: 13.0

Purge Rate (Gals./Min._Ml./Min.): 0.177 gpm

Purge Water Appearance: Clear, no sheen, no odor

Recharge Event

Start Time: 1027 DTGW: 11.06

Finish Time: 1035 DTGW: 10.40

Recharge Rate (Ft./Min.): 0.0825 fpm

.66 / 8

Water Quality Parameters: 1 2 3

Casing Volume (Gallons)

	0	0.5	1	1.5	2	2.5	3
Time	1010	1016	1021	1027			
DTGW	9.08	9.35	10.36	11.06			
pH	7.13	7.14	7.14	7.14			
T (°C)	17.8	18.1	18.6	18.7			
Cond.	74.3	75.1	76.0	76.4			
DO (mg/l)							
DO (%)							
ORP (mV)							

Summary Data:

Total Gallons Purged: 3

Purge Rate (Gals./Min.): 0.177 gpm

Purge Device: Peristaltic

Sampling Device: Peristaltic

Sample Intake Depth: 11.0

Sample Collection Time: 1040

Sample Appearance: Clear, no sheen, no odor

Notes:

Drums Remaining Onsite: ______ Total Drum Volume (Gals.): ______

Golden Gate Environmental, Inc.

Well Purging Sampling Data Form

Project #: 2014 Date 10/7/11

Project/Site Address: 5330 College Ave

Technician/Sampler: J Cuevas

Casing Diameter (Inches)	0.75	2	4	6	8	12
Casing Volume (Gallons/Linear Foot)	0.02	0.17	0.66	1.5	2.6	5.81

Well No. MW2

A. Total Well Depth	20	Ft. (TOC)
B. Depth to Groundwater (DTGW)	10.47	Ft. (TOC)
C. Water Height (A-B)	9.53	Ft.
D. Well Casing Diameter	2	In.
E. Casing Volume Constant	0.17	Gallons/Ft.
F. One (1) Casing Volume (CxE)	1.62	Gallons
G. Three (3) Casing Volumes (CxEx3)	4.9	Gallons
H. 80% Recharge Level [A-(0.80xC)]	12.4	Ft.

Purge Event

Start Time: 0830 DTGW: 10.38

Finish Time: 0904 DTGW: 16.09

Purge Volume: 5.0

Purge Intake Depth: 15.0

Purge Rate (Gals./Min._Ml./Min.): 0.15 gpm

Purge Water Appearance: clear, odor, no sheen

Recharge Event

Start Time: 0904 DTGW: 16.09

Finish Time: 0915 DTGW: 14.83

Recharge Rate (Ft./Min.): 0.114 gpm

1.25 / 11

Water Quality Parameters:

1 2 3 4 5

Casing Volume (Gallons)

	0	0.5	1	1.5	2	2.5	3
Time	0830	0836	0844	0850	0856	0904	
DTGW	10.38	11.44	12.50	13.56	14.80	16.09	
pH	9.25	8.07	7.90	7.81	7.66	7.62	
T (°C)	17.5	17.9	18.0	18.0	18.0	18.0	
Cond.	282	155.1	148.5	132.5	125.7	111.7	
DO (mg/l)							
DO (%)							
ORP (mV)							

Summary Data:

Total Gallons Purged: 5.0

Purge Rate (Gals./Min.): 0.15

Purge Device: Peristaltic

Sampling Device: Peristaltic

Sample Intake Depth: 15.0

Sample Collection Time: 0920

Sample Appearance: clear, odor, no sheen

Notes:

Drums Remaining Onsite: _____ Total Drum Volume (Gals.): _____

Golden Gate Environmental, Inc

Well Purging Sampling Data Form

Project #: 2014 Date 10/7/11

Project/Site Address: 5930 College Ave

Technician/Sampler: J Carr

Casing Diameter (Inches)	0.75	2	4	6	8	12
Casing Volume (Gallons/Linear Foot)	0.02	0.17	0.66	1.5	2.6	5.81

Well No. MW3

A. Total Well Depth	20.0	Ft. (TOC)
B. Depth to Groundwater (DTGW)	8.60	Ft. (TOC)
C. Water Height (A-B)	11.40	Ft.
D. Well Casing Diameter	2	In.
E. Casing Volume Constant	0.17	Gallons/Ft.
F. One (1) Casing Volume (CxE)	1.94	Gallons
G. Three (3) Casing Volumes (CxEx3)	5.8	Gallons
H. 80% Recharge Level [A-(0.80xC)]	10.88	Ft.

20-9.12

Purge Event

Start Time: 0722 DTGW: 8.57

Finish Time: 0804 DTGW: 15.06

Purge Volume: 5.8

Purge Intake Depth: 190

Purge Rate (Gals./Min._Ml./Min.): 0.126 gpm

Purge Water Appearance: No sheen, odor, clear

Recharge Event

Start Time: 0809 DTGW: 15.06

Finish Time: 0814 DTGW: 14.70

Recharge Rate (Ft./Min.): 0.072 fpm

.36
6

Water Quality Parameters:

1 2 3 4 5 5.8

Casing Volume (Gallons)

	0	0.5	1	1.5	2	2.5	3
Time	0722	0729	0736	0745	0754	0800	0808
DTGW	8.57	9.55	10.72	11.95	13.20	14.06	15.06
pH	10.83	10.22	9.64	9.26	8.91	8.78	8.53
T (°C)	16.4	16.9	17.1	17.1	17.1	17.2	17.1
Cond.	356	308	276	199.3	256	190.5	235
DO (mg/l)							
DO (%)							
ORP (mV)							

Summary Data:

Total Gallons Purged: 5.8

Purge Rate (Gals./Min.): 0.126

Purge Device: Peristaltic

Sampling Device: Peristaltic

Sample Intake Depth: 15.0

Sample Collection Time: 0815

Sample Appearance: clear no sheen, no odor

Notes:

Drums Remaining Onsite: _____ Total Drum Volume (Gals.): _____

Golden Gate Environmental, Inc.

Well Purging Sampling Data Form

Project #: 2014 Date 10/7/11

Project/Site Address: 5930 College Ave

Technician/Sampler: Carver

Casing Diameter (Inches)	0.75	2	4	6	8	12
Casing Volume (Gallons/Linear Foot)	0.02	0.17	0.66	1.5	2.6	5.81

Well No. PW1

A. Total Well Depth	20	Ft. (TOC)
B. Depth to Groundwater (DTGW)	9.79	Ft. (TOC)
C. Water Height (A-B)	10.21	Ft.
D. Well Casing Diameter	2	In.
E. Casing Volume Constant	0.17	Gallons/Ft.
F. One (1) Casing Volume (CxE)	1.73	Gallons
G. Three (3) Casing Volumes (CxEx3)	5.20	Gallons
H. 80% Recharge Level [A-(0.80xC)]	11.8	Ft.

8.2

Purge Event

Start Time: 0925 DTGW: 9.79

Finish Time: 0958 DTGW: 10.8

Purge Volume: 5.2

Purge Intake Depth: 15.0

Purge Rate (Gals./Min._Ml./Min.): 0.193 gpm

Purge Water Appearance: clear, no odor, no sheen

Recharge Event

Start Time: 0958 DTGW: 10.99

Finish Time: 1000 DTGW: 10.8

Recharge Rate (Ft./Min.): 0.1 fpm

.8 / 8

Water Quality Parameters: 1 2 3 4 5 2

Casing Volume (Gallons)

	0	0.5	1	1.5	2	2.5	3
Time	0925	0930	0935	0940	0945	0952	
DTGW	9.79	10.01	10.33	10.60	10.82	10.99	
pH	7.83	7.58	7.40	7.37	7.34	7.35	
T (°C)	16.6	16.9	17.5	17.8	17.8	17.9	
Cond.	100.7	98.6	91.4	73.8	72.0	67.4	
DO (mg/l)							
DO (%)							
ORP (mV)							

Summary Data:

Total Gallons Purged: 5.2

Purge Rate (Gals./Min.): 0.193

Purge Device: Peristaltic

Sampling Device: Peristaltic

Sample Intake Depth: 11.0

Sample Collection Time: 1005

Sample Appearance: Clear, no odor, no sheen

Notes:

Drums Remaining Onsite: _____ Total Drum Volume (Gals.): _____

GROUNDWATER MONITORING REPORT
2nd & 4th Quarter 2011

Sheaff's Garage
5930 College Avenue
Oakland, CA 94618

ACHCSA Fuel Leak Case No. RO0000377

ATTACHMENT B

Following Provided For Both June & October 2011 Events:

Laboratory Certificates of Analysis
Chain of Custody Record
GeoTracker Upload Confirmation Sheets
EPA On-Line Tools for Site Assessment Calculation Sheet

Conestoga-Rovers & Associates (CRA; Emeryville, CA):
Groundwater Monitoring and Sampling Data - Table 1

Liquid Waste Manifest (November 10, 2011)

Golden Gate Ennvironmental
3730 Mission St
San Francisco, California 94110
Tel: (415) 686-8846

RE: 5930 College Ave

Work Order No.: 1106145

Dear Brent Wheeler:

Torrent Laboratory, Inc. received 4 sample(s) on June 20, 2011 for the analyses presented in the following Report.

All data for associated QC met EPA or laboratory specification(s) except where noted in the case narrative.

Torrent Laboratory, Inc. is certified by the State of California, ELAP #1991. If you have any questions regarding these test results, please feel free to contact the Project Management Team at (408)263-5258; ext 204.

Patti Sandrock

June 27, 2011
Date

Date: 6/27/2011

Client: Golden Gate Ennvironmental

Project: 5930 College Ave

Work Order: 1106145

CASE NARRATIVE

No issues encountered with the receiving, preparation, analysis or reporting of the results associated with this work order.

483 Sinclair Frontage Rd., Milpitas, CA 95035 | tel: 408.263.5258 | fax: 408.263.8293 | www.torrentlab.com

Torrent LABORATORY, INC.

Sample Result Summary

Report prepared for: Brent Wheeler
Golden Gate Ennvironmental

Date Received: 06/20/11
Date Reported: 06/27/11

MW-1 1106145-001

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Benzene	SW8260B	220	74	110	14000	ug/L
Toluene	SW8260B	220	42	110	3000	ug/L
Ethyl Benzene	SW8260B	220	34	110	3800	ug/L
m,p-Xylene	SW8260B	220	44	220	12000	ug/L
o-Xylene	SW8260B	220	28	110	4900	ug/L
TPH(Gasoline)	8260TPH	220	4700	11000	53000	ug/L

MW-2 1106145-002

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Benzene	SW8260B	44	15	22	1900	ug/L
Toluene	SW8260B	44	8.4	22	75	ug/L
Ethyl Benzene	SW8260B	44	6.8	22	1100	ug/L
m,p-Xylene	SW8260B	44	8.8	44	970	ug/L
o-Xylene	SW8260B	44	5.6	22	43	ug/L
TPH(Gasoline)	8260TPH	44	950	2200	9900	ug/L

MW-3 1106145-003

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Benzene	SW8260B	8.8	2.9	4.4	220	ug/L
Ethyl Benzene	SW8260B	8.8	1.4	4.4	37	ug/L
m,p-Xylene	SW8260B	8.8	1.8	8.8	20	ug/L
TPH(Gasoline)	8260TPH	8.8	190	440	3200	ug/L

Sample Result Summary

Report prepared for: Brent Wheeler
Golden Gate Ennvironmental

Date Received: 06/20/11
Date Reported: 06/27/11

PW-1 1106145-004

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
TPH(Gasoline)	8260TPH	1	22	50	96	ug/L
Trichlorofluoromethane	SW8260B	1	0.34	0.50	0.78	ug/L
cis-1,2-Dichloroethene	SW8260B	1	0.33	0.50	1.4	ug/L
Trichloroethylene	SW8260B	1	0.38	0.50	0.85	ug/L
Tetrachloroethylene	SW8260B	1	0.15	0.50	86	ug/L
Ethyl Benzene	SW8260B	1	0.15	0.50	3.1	ug/L
m,p-Xylene	SW8260B	1	0.20	1.0	2.5	ug/L
Isopropyl Benzene	SW8260B	1	0.28	0.50	0.55	ug/L
n-Propylbenzene	SW8260B	1	0.30	0.50	1.7	ug/L
1,3,5-Trimethylbenzene	SW8260B	1	0.20	0.50	0.98	ug/L
1,2,4-Trimethylbenzene	SW8260B	1	0.33	0.50	3.7	ug/L

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Brent Wheeler
Golden Gate Ennvironmental

Date Received: 06/20/11
Date Reported: 06/27/11

Client Sample ID:	MW-1	**Lab Sample ID:**	1106145-001A
Project Name/Location:	5930 College Ave	**Sample Matrix:**	Groundwater
Project Number:	GGE 2014		
Date/Time Sampled:	06/09/11 / 11:50		
Tag Number:	5930 College Ave		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Benzene	SW8260B	NA	06/20/11	220	74	110	14000		ug/L	405579	NA
Toluene	SW8260B	NA	06/20/11	220	42	110	3000		ug/L	405579	NA
Ethyl Benzene	SW8260B	NA	06/20/11	220	34	110	3800		ug/L	405579	NA
m,p-Xylene	SW8260B	NA	06/20/11	220	44	220	12000		ug/L	405579	NA
o-Xylene	SW8260B	NA	06/20/11	220	28	110	4900		ug/L	405579	NA
(S) Dibromofluoromethane	SW8260B	NA	06/20/11	220	61.2	131	79.5		%	405579	NA
(S) Toluene-d8	SW8260B	NA	06/20/11	220	75.1	127	89.2		%	405579	NA
(S) 4-Bromofluorobenzene	SW8260B	NA	06/20/11	220	64.1	120	101		%	405579	NA

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH(Gasoline)	8260TPH	NA	06/20/11	220	4700	11000	53000		ug/L	405579	NA
(S) 4-Bromofluorobenzene	8260TPH	NA	06/20/11	220	34	114	54.4		%	405579	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Brent Wheeler
Golden Gate Ennvironmental

Date Received: 06/20/11
Date Reported: 06/27/11

Client Sample ID:	MW-2	**Lab Sample ID:**	1106145-002A
Project Name/Location:	5930 College Ave	**Sample Matrix:**	Groundwater
Project Number:	GGE 2014		
Date/Time Sampled:	06/09/11 / 11:15		
Tag Number:	5930 College Ave		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Benzene	SW8260B	NA	06/20/11	44	15	22	1900		ug/L	405579	NA
Toluene	SW8260B	NA	06/20/11	44	8.4	22	75		ug/L	405579	NA
Ethyl Benzene	SW8260B	NA	06/20/11	44	6.8	22	1100		ug/L	405579	NA
m,p-Xylene	SW8260B	NA	06/20/11	44	8.8	44	970		ug/L	405579	NA
o-Xylene	SW8260B	NA	06/20/11	44	5.6	22	43		ug/L	405579	NA
(S) Dibromofluoromethane	SW8260B	NA	06/20/11	44	61.2	131	81.0		%	405579	NA
(S) Toluene-d8	SW8260B	NA	06/20/11	44	75.1	127	84.9		%	405579	NA
(S) 4-Bromofluorobenzene	SW8260B	NA	06/20/11	44	64.1	120	112		%	405579	NA

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH(Gasoline)	8260TPH	NA	06/20/11	44	950	2200	9900		ug/L	405579	NA
(S) 4-Bromofluorobenzene	8260TPH	NA	06/20/11	44	34	114	51.5		%	405579	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Brent Wheeler
Golden Gate Ennvironmental

Date Received: 06/20/11
Date Reported: 06/27/11

Client Sample ID:	MW-3	**Lab Sample ID:**	1106145-003A
Project Name/Location:	5930 College Ave	**Sample Matrix:**	Groundwater
Project Number:	GGE 2014		
Date/Time Sampled:	06/09/11 / 10:15		
Tag Number:	5930 College Ave		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Benzene	SW8260B	NA	06/20/11	8.8	2.9	4.4	220		ug/L	405579	NA
Toluene	SW8260B	NA	06/20/11	8.8	1.7	4.4	ND		ug/L	405579	NA
Ethyl Benzene	SW8260B	NA	06/20/11	8.8	1.4	4.4	37		ug/L	405579	NA
m,p-Xylene	SW8260B	NA	06/20/11	8.8	1.8	8.8	20		ug/L	405579	NA
o-Xylene	SW8260B	NA	06/20/11	8.8	1.1	4.4	ND		ug/L	405579	NA
(S) Dibromofluoromethane	SW8260B	NA	06/20/11	8.8	61.2	131	90.6		%	405579	NA
(S) Toluene-d8	SW8260B	NA	06/20/11	8.8	75.1	127	84.2		%	405579	NA
(S) 4-Bromofluorobenzene	SW8260B	NA	06/20/11	8.8	64.1	120	113		%	405579	NA

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH(Gasoline)	8260TPH	NA	06/20/11	8.8	190	440	3200	x	ug/L	405579	NA
(S) 4-Bromofluorobenzene	8260TPH	NA	06/20/11	8.8	34	114	88.7		%	405579	NA

NOTE: x - Does not match pattern of reference Gasoline standard. Reported TPH value includes significant contribution from non-target hydrocarbons in the C5-C12 range quantified as Gasoline (possibly some aged gasoline).

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Brent Wheeler
Golden Gate Ennvironmental

Date Received: 06/20/11
Date Reported: 06/27/11

Client Sample ID:	PW-1	**Lab Sample ID:**	1106145-004A
Project Name/Location:	5930 College Ave	**Sample Matrix:**	Groundwater
Project Number:	GGE 2014		
Date/Time Sampled:	06/09/11 / 9:25		
Tag Number:	5930 College Ave		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Dichlorodifluoromethane	SW8260B	NA	06/20/11	1	0.41	0.50	ND		ug/L	405579	NA
Chloromethane	SW8260B	NA	06/20/11	1	0.41	0.50	ND		ug/L	405579	NA
Vinyl Chloride	SW8260B	NA	06/20/11	1	0.37	0.50	ND		ug/L	405579	NA
Bromomethane	SW8260B	NA	06/20/11	1	0.37	0.50	ND		ug/L	405579	NA
Trichlorofluoromethane	SW8260B	NA	06/20/11	1	0.34	0.50	0.78		ug/L	405579	NA
1,1-Dichloroethene	SW8260B	NA	06/20/11	1	0.29	0.50	ND		ug/L	405579	NA
Freon 113	SW8260B	NA	06/20/11	1	0.38	0.50	ND		ug/L	405579	NA
Methylene Chloride	SW8260B	NA	06/20/11	1	0.18	5.0	ND		ug/L	405579	NA
trans-1,2-Dichloroethene	SW8260B	NA	06/20/11	1	0.31	0.50	ND		ug/L	405579	NA
MTBE	SW8260B	NA	06/20/11	1	0.38	0.50	ND		ug/L	405579	NA
tert-Butanol	SW8260B	NA	06/20/11	1	1.5	5.0	ND		ug/L	405579	NA
Diisopropyl ether (DIPE)	SW8260B	NA	06/20/11	1	0.36	0.50	ND		ug/L	405579	NA
1,1-Dichloroethane	SW8260B	NA	06/20/11	1	0.28	0.50	ND		ug/L	405579	NA
ETBE	SW8260B	NA	06/20/11	1	0.40	0.50	ND		ug/L	405579	NA
cis-1,2-Dichloroethene	SW8260B	NA	06/20/11	1	0.33	0.50	1.4		ug/L	405579	NA
2,2-Dichloropropane	SW8260B	NA	06/20/11	1	0.37	0.50	ND		ug/L	405579	NA
Bromochloromethane	SW8260B	NA	06/20/11	1	0.34	0.50	ND		ug/L	405579	NA
Chloroform	SW8260B	NA	06/20/11	1	0.29	0.50	ND		ug/L	405579	NA
Carbon Tetrachloride	SW8260B	NA	06/20/11	1	0.26	0.50	ND		ug/L	405579	NA
1,1,1-Trichloroethane	SW8260B	NA	06/20/11	1	0.32	0.50	ND		ug/L	405579	NA
1,1-Dichloropropene	SW8260B	NA	06/20/11	1	0.40	0.50	ND		ug/L	405579	NA
Benzene	SW8260B	NA	06/20/11	1	0.33	0.50	ND		ug/L	405579	NA
TAME	SW8260B	NA	06/20/11	1	0.32	0.50	ND		ug/L	405579	NA
1,2-Dichloroethane	SW8260B	NA	06/20/11	1	0.28	0.50	ND		ug/L	405579	NA
Trichloroethylene	SW8260B	NA	06/20/11	1	0.38	0.50	0.85		ug/L	405579	NA
Dibromomethane	SW8260B	NA	06/20/11	1	0.21	0.50	ND		ug/L	405579	NA
1,2-Dichloropropane	SW8260B	NA	06/20/11	1	0.37	0.50	ND		ug/L	405579	NA
Bromodichloromethane	SW8260B	NA	06/20/11	1	0.23	0.50	ND		ug/L	405579	NA
2-Chloroethyl vinyl ether	SW8260B	NA	06/20/11	1	0.91	2.0	ND		ug/L	405579	NA
cis-1,3-Dichloropropene	SW8260B	NA	06/20/11	1	0.30	0.50	ND		ug/L	405579	NA
Toluene	SW8260B	NA	06/20/11	1	0.19	0.50	ND		ug/L	405579	NA
Tetrachloroethylene	SW8260B	NA	06/20/11	1	0.15	0.50	86		ug/L	405579	NA
trans-1,3-Dichloropropene	SW8260B	NA	06/20/11	1	0.20	0.50	ND		ug/L	405579	NA
1,1,2-Trichloroethane	SW8260B	NA	06/20/11	1	0.20	0.50	ND		ug/L	405579	NA
Dibromochloromethane	SW8260B	NA	06/20/11	1	0.21	0.50	ND		ug/L	405579	NA
1,3-Dichloropropane	SW8260B	NA	06/20/11	1	0.18	0.50	ND		ug/L	405579	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Brent Wheeler
Golden Gate Ennvironmental

Date Received: 06/20/11
Date Reported: 06/27/11

Client Sample ID:	PW-1	**Lab Sample ID:**	1106145-004A
Project Name/Location:	5930 College Ave	**Sample Matrix:**	Groundwater
Project Number:	GGE 2014		
Date/Time Sampled:	06/09/11 / 9:25		
Tag Number:	5930 College Ave		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
1,2-Dibromoethane	SW8260B	NA	06/20/11	1	0.19	0.50	ND		ug/L	405579	NA
Chlorobenzene	SW8260B	NA	06/20/11	1	0.14	0.50	ND		ug/L	405579	NA
Ethyl Benzene	SW8260B	NA	06/20/11	1	0.15	0.50	3.1		ug/L	405579	NA
1,1,1,2-Tetrachloroethane	SW8260B	NA	06/20/11	1	0.10	0.50	ND		ug/L	405579	NA
m,p-Xylene	SW8260B	NA	06/20/11	1	0.20	1.0	2.5		ug/L	405579	NA
o-Xylene	SW8260B	NA	06/20/11	1	0.13	0.50	ND		ug/L	405579	NA
Styrene	SW8260B	NA	06/20/11	1	0.20	0.50	ND		ug/L	405579	NA
Bromoform	SW8260B	NA	06/20/11	1	0.45	1.0	ND		ug/L	405579	NA
Isopropyl Benzene	SW8260B	NA	06/20/11	1	0.28	0.50	0.55		ug/L	405579	NA
Bromobenzene	SW8260B	NA	06/20/11	1	0.39	0.50	ND		ug/L	405579	NA
1,1,2,2-Tetrachloroethane	SW8260B	NA	06/20/11	1	0.26	0.50	ND		ug/L	405579	NA
n-Propylbenzene	SW8260B	NA	06/20/11	1	0.30	0.50	1.7		ug/L	405579	NA
2-Chlorotoluene	SW8260B	NA	06/20/11	1	0.33	0.50	ND		ug/L	405579	NA
1,3,5-Trimethylbenzene	SW8260B	NA	06/20/11	1	0.20	0.50	0.98		ug/L	405579	NA
4-Chlorotoluene	SW8260B	NA	06/20/11	1	0.32	0.50	ND		ug/L	405579	NA
tert-Butylbenzene	SW8260B	NA	06/20/11	1	0.29	0.50	ND		ug/L	405579	NA
1,2,3-Trichloropropane	SW8260B	NA	06/20/11	1	0.59	1.0	ND		ug/L	405579	NA
1,2,4-Trimethylbenzene	SW8260B	NA	06/20/11	1	0.33	0.50	3.7		ug/L	405579	NA
sec-Butyl Benzene	SW8260B	NA	06/20/11	1	0.24	0.50	ND		ug/L	405579	NA
p-Isopropyltoluene	SW8260B	NA	06/20/11	1	0.25	0.50	ND		ug/L	405579	NA
1,3-Dichlorobenzene	SW8260B	NA	06/20/11	1	0.31	0.50	ND		ug/L	405579	NA
1,4-Dichlorobenzene	SW8260B	NA	06/20/11	1	0.37	0.50	ND		ug/L	405579	NA
n-Butylbenzene	SW8260B	NA	06/20/11	1	0.32	0.50	ND		ug/L	405579	NA
1,2-Dichlorobenzene	SW8260B	NA	06/20/11	1	0.39	0.50	ND		ug/L	405579	NA
1,2-Dibromo-3-Chloropropane	SW8260B	NA	06/20/11	1	0.45	1.0	ND		ug/L	405579	NA
Hexachlorobutadiene	SW8260B	NA	06/20/11	1	0.22	0.50	ND		ug/L	405579	NA
1,2,4-Trichlorobenzene	SW8260B	NA	06/20/11	1	0.48	1.0	ND		ug/L	405579	NA
Naphthalene	SW8260B	NA	06/20/11	1	0.57	1.0	ND		ug/L	405579	NA
1,2,3-Trichlorobenzene	SW8260B	NA	06/20/11	1	0.52	1.0	ND		ug/L	405579	NA
(S) Dibromofluoromethane	SW8260B	NA	06/20/11	1	61.2	131	88.6		%	405579	NA
(S) Toluene-d8	SW8260B	NA	06/20/11	1	75.1	127	88.1		%	405579	NA
(S) 4-Bromofluorobenzene	SW8260B	NA	06/20/11	1	64.1	120	104		%	405579	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Brent Wheeler
Golden Gate Ennvironmental

Date Received: 06/20/11
Date Reported: 06/27/11

Client Sample ID:	PW-1	**Lab Sample ID:**	1106145-004A
Project Name/Location:	5930 College Ave	**Sample Matrix:**	Groundwater
Project Number:	GGE 2014		
Date/Time Sampled:	06/09/11 / 9:25		
Tag Number:	5930 College Ave		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH(Gasoline)	8260TPH	NA	06/20/11	1	22	50	96	x	ug/L	405579	NA
(S) 4-Bromofluorobenzene	8260TPH	NA	06/20/11	1	34	114	64.0		%	405579	NA

NOTE: x - Does not match pattern of reference Gasoline standard. Reported value is the result of discrete peak (PCE).

Torrent LABORATORY, INC.

MB Summary Report

Work Order:	1106145	**Prep Method:**	5030	**Prep Date:**	06/20/11	**Prep Batch:**	2969
Matrix:	Water	**Analytical Method:**	8260TPH	**Analyzed Date:**	06/20/11	**Analytical Batch:**	405579
Units:	ug/L						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
TPH(Gasoline)	22	50	ND	
(S) 4-Bromofluorobenzene			89.9	

Work Order:	1106145	**Prep Method:**	NA	**Prep Date:**	NA	**Prep Batch:**	NA
Matrix:	Water	**Analytical Method:**	SW8260B	**Analyzed Date:**	06/20/11	**Analytical Batch:**	405579
Units:	ug/L						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Dichlorodifluoromethane	0.41	0.50	ND	
Chloromethane	0.41	0.50	ND	
Vinyl Chloride	0.37	0.50	ND	
Bromomethane	0.37	0.50	ND	
Trichlorofluoromethane	0.34	0.50	ND	
1,1-Dichloroethene	0.29	0.50	ND	
Freon 113	0.38	0.50	ND	
Methylene Chloride	0.18	5.0	ND	
trans-1,2-Dichloroethene	0.31	0.50	ND	
MTBE	0.38	0.50	ND	
tert-Butanol	1.5	5.0	ND	
Diisopropyl ether (DIPE)	0.36	0.50	ND	
1,1-Dichloroethane	0.28	0.50	ND	
ETBE	0.40	0.50	ND	
cis-1,2-Dichloroethene	0.33	0.50	ND	
2,2-Dichloropropane	0.37	0.50	ND	
Bromochloromethane	0.34	0.50	ND	
Chloroform	0.29	0.50	ND	
Carbon Tetrachloride	0.26	0.50	ND	
1,1,1-Trichloroethane	0.32	0.50	ND	
1,1-Dichloropropene	0.40	0.50	ND	
Benzene	0.33	0.50	ND	
TAME	0.32	0.50	ND	
1,2-Dichloroethane	0.28	0.50	ND	
Trichloroethylene	0.38	0.50	ND	
Dibromomethane	0.21	0.50	ND	
1,2-Dichloropropane	0.37	0.50	ND	
Bromodichloromethane	0.23	0.50	ND	
2-Chloroethyl vinyl ether	0.91	2.0	ND	
cis-1,3-Dichloropropene	0.30	0.50	ND	

Torrent LABORATORY, INC.

MB Summary Report

Work Order:	1106145	**Prep Method:**	NA	**Prep Date:**	NA	**Prep Batch:**	NA
Matrix:	Water	**Analytical Method:**	SW8260B	**Analyzed Date:**	06/20/11	**Analytical Batch:**	405579
Units:	ug/L						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier	
Toluene	0.19	0.50	ND		
Tetrachloroethylene	0.15	0.50	ND		
trans-1,3-Dichloropropene	0.20	0.50	ND		
1,1,2-Trichloroethane	0.20	0.50	ND		
Dibromochloromethane	0.21	0.50	ND		
1,3-Dichloropropane	0.18	0.50	ND		
1,2-Dibromoethane	0.19	0.50	ND		
Chlorobenzene	0.14	0.50	ND		
Ethyl Benzene	0.15	0.50	ND		
1,1,1,2-Tetrachloroethane	0.10	0.50	ND		
m,p-Xylene	0.20	1.0	ND		
o-Xylene	0.13	0.50	ND		
Styrene	0.20	0.50	ND		
Bromoform	0.45	1.0	ND		
Isopropyl Benzene	0.28	0.50	ND		
Bromobenzene	0.39	0.50	ND		
1,1,2,2-Tetrachloroethane	0.26	0.50	ND		
n-Propylbenzene	0.30	0.50	ND		
2-Chlorotoluene	0.33	0.50	ND		
1,3,5-Trimethylbenzene	0.20	0.50	ND		
4-Chlorotoluene	0.32	0.50	ND		
tert-Butylbenzene	0.29	0.50	ND		
1,2,3-Trichloropropane	0.59	1.0	ND		
1,2,4-Trimethylbenzene	0.33	0.50	ND		
sec-Butyl Benzene	0.24	0.50	ND		
p-Isopropyltoluene	0.25	0.50	ND		
1,3-Dichlorobenzene	0.31	0.50	ND		
1,4-Dichlorobenzene	0.37	0.50	ND		
n-Butylbenzene	0.32	0.50	ND		
1,2-Dichlorobenzene	0.39	0.50	ND		
1,2-Dibromo-3-Chloropropane	0.45	1.0	ND		
Hexachlorobutadiene	0.22	0.50	ND		
1,2,4-Trichlorobenzene	0.48	1.0	ND		
Naphthalene	0.57	1.0	ND		
1,2,3-Trichlorobenzene	0.52	1.0	ND		
Ethanol	100	100	ND	TIC	
(S) Dibromofluoromethane			93.4		
(S) Toluene-d8			98.2		
(S) 4-Bromofluorobenzene			104		

Torrent LABORATORY, INC.

LCS/LCSD Summary Report

Raw values are used in quality control assessment.

Work Order:	1106145	**Prep Method:**	5030	**Prep Date:**	06/20/11	**Prep Batch:**	2969
Matrix:	Water	**Analytical Method:**	8260TPH	**Analyzed Date:**	06/20/11	**Analytical Batch:**	405579
Units:	ug/L						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
TPH(Gasoline)	22	50	ND	227.27	118	115	2.58	52.4 - 127	30	
(S) 4-Bromofluorobenzene			89.9	11.36	90.7	89.9		58.4 - 133		

Work Order:	1106145	**Prep Method:**	NA	**Prep Date:**	NA	**Prep Batch:**	NA
Matrix:	Water	**Analytical Method:**	SW8260B	**Analyzed Date:**	06/20/11	**Analytical Batch:**	405579
Units:	ug/L						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
1,1-Dichloroethene	0.29	0.50	ND	17.04	116	105	9.35	61.4 - 129	30	
Benzene	0.33	0.50	ND	17.04	101	88.4	13.8	66.9 - 140	30	
Trichloroethylene	0.38	0.50	ND	17.04	88.6	117	27.5	69.3 - 144	30	
Toluene	0.19	0.50	ND	17.04	97.9	104	5.98	76.6 - 123	30	
Chlorobenzene	0.14	0.50	ND	17.04	103	99.1	4.18	73.9 - 137	30	
(S) Dibromofluoromethane			ND	11.36	94.8	80.9		61.2 - 131		
(S) Toluene-d8			ND	11.36	98.7	96.0		75.1 - 127		
(S) 4-Bromofluorobenzene			ND	11.36	72.3	107		64.1 - 120		

Laboratory Qualifiers and Definitions

DEFINITIONS:

Accuracy/Bias (% Recovery) - The closeness of agreement between an observed value and an accepted reference value.
Blank (Method/Preparation Blank) -MB/PB - An analyte-free matrix to which all reagents are added in the same volumes/proportions as used in sample processing. The method blank is used to document contamination resulting from the analytical process.
Duplicate - a field sample and/or laboratory QC sample prepared in duplicate following all of the same processes and procedures used on the original sample (sample duplicate, LCSD, MSD)
Laboratory Control Sample (LCS ad LCSD) - A known matrix spiked with compounds representative of the target analyte(s). This is used to document laboratory performance.
Matrix - the component or substrate that contains the analyte of interest (e.g., - groundwater, sediment, soil, waste water, etc)
Matrix Spike (MS/MSD) - Client sample spiked with identical concentrations of target analyte (s). The spiking occurs prior to the sample preparation and analysis. They are used to document the precision and bias of a method in a given sample matrix.
Method Detection Limit (MDL) - the minimum concentration of a substance that can be measured and reported with a 99% confidence that the analyte concentration is greater than zero
Practical Quantitation Limit (PQL) - a laboratory determined value at 2 to 5 times above the MDL that can be reproduced in a manner that results in a 99% confidence level that the result is both accurate and precise. PQLs reflect all preparation factors and/or dilution factors that have been applied to the sample during the preparation and/or analytical processes.
Precision (%RPD) - The agreement among a set of replicate/duplicate measurements without regard to known value of the replicates
Surrogate (S) or (Surr) - An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. Surrogates are used in most organic analysis to demonstrate matrix compatibility with the chosen method of analysis
Tentatively Identified Compound (TIC) - A compound not contained within the analytical calibration standards but present in the GCMS library of defined compounds. When the library is searched for an unknown compound, it can frequently give a tentative identification to the compound based on retention time and primary and secondary ion match. TICs are reported as estimates and are candidates for further investigation.
Units: the unit of measure used to express the reported result - **mg/L** and ***mg/Kg*** (equivalent to PPM - parts per million in **liquid** and ***solid***), **ug/L** and ***ug/Kg*** (equivalent to PPB - parts per billion in **liquid** and ***solid***), **ug/m3**, ***mg.m3***, **ppbv** and ***ppmv*** (all units of measure for reporting concentrations in air), **%** (equivalent to 10000 ppm or 1,000,000 ppb), **ug/Wipe** (concentration found on the surface of a single Wipe usually taken over a 100cm2 surface)

LABORATORY QUALIFIERS:

B - Indicates when the anlayte is found in the associated method or preparation blank
D - Surrogate is not recoverable due to the necessary dilution of the sample
E - Indicates the reportable value is outside of the calibration range of the instrument but within the linear range of the instrument (unless otherwise noted) Values reported with an E qualifier should be considered as estimated.
H- Indicates that the recommended holding time for the analyte or compound has been exceeded
J- Indicates a value between the method MDL and PQL and that the reported concentration should be considered as estimated rather the quantitative
NA - Not Analyzed
N/A - Not Applicable
NR - Not recoverable - a matrix spike concentration is not recoverable due to a concentration within the original sample that is greater than four times the spike concentration added
R- The % RPD between a duplicate set of samples is outside of the absolute values established by laboratory control charts
S- Spike recovery is outside of established method and/or laboratory control limits. Further explanation of the use of this qualifier should be included within a case narrative
X -Used to indicate that a value based on pattern identification is within the pattern range but not typical of the pattern found in standards. Further explanation may or may not be provided within the sample footnote and/or the case narrative.

Sample Receipt Checklist

Client Name: Golden Gate Ennvironmental

Project Name: 5930 College Ave

Work Order No.: 1106145

Date and Time Received: 6/20/2011 16:30

Received By: NG

Physically Logged By: ps

Checklist Completed By: pc

Carrier Name: Hi-Speed Courier

Chain of Custody (COC) Information

Chain of custody present?	Yes
Chain of custody signed when relinquished and received?	Yes
Chain of custody agrees with sample labels?	Yes
Custody seals intact on sample bottles?	Not Present

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Not Present
Shipping Container/Cooler In Good Condition?	Yes
Samples in proper container/bottle?	Yes
Samples containers intact?	Yes
Sufficient sample volume for indicated test?	Yes

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes			
Container/Temp Blank temperature in compliance?	No	Temperature:	9	°C
Water-VOA vials have zero headspace?	Yes			
Water-pH acceptable upon receipt?	N/A			

pH Checked by: pH Adjusted by:

Sample received in coolr but no ice present. Refrigerated upon receipt.

Login Summary Report

Client ID: TL5127 Golden Gate Ennvironmental
Project Name: 5930 College Ave
Project # : GGE 2014
Report Due Date: 6/27/2011
QC Level:
TAT Requested: 5+ day:0
Date Received: 6/20/2011
Time Received: 16:30

Comments: 5 Day TAT!! 4 water samples rec'd! 3 for TPHG/BTEX, 1 for TPHG, full 8260B! Needs EDF! Report to Brent!

Work Order # : ***1106145***

WO Sample ID	Client Sample ID	Collection Date/Time	Matrix	Scheduled Disposal	Sample On Hold	Test On Hold	Requested Tests	Subbed
1106145-001A	MW-1	06/09/11 11:50	Water	08/04/11			W_8260MBTEX W_GCMS-GRO	
Sample Note:	TPHg,BTEX for samples 001-003.							
1106145-002A	MW-2	06/09/11 11:15	Water	08/04/11			W_8260MBTEX W_GCMS-GRO	
1106145-003A	MW-3	06/09/11 10:15	Water	08/04/11			W_8260MBTEX W_GCMS-GRO	
1106145-004A	PW-1	06/09/11 9:25	Water	08/04/11			EDF W_8260Full W_GCMS-GRO	
Sample Note:	TPHG/BTEX for 001 - 003, TPHG/full 8260 for -004							

Torrent LABORATORY, INC.

Torrent LABORATORY, INC.
483 Sinclair Frontage Road
Milpitas, CA 95035
Phone: 408.263.5258
FAX: 408.263.8293
www.torrentlab.com

CHAIN OF CUSTODY

• NOTE: SHADED AREAS ARE FOR TORRENT LAB USE ONLY •

LAB WORK ORDER NO: 1106145

Company Name: Golden Gate Env
Address: 3730 Mission St
City: San Francisco State: CA Zip Code: 94110
Telephone: FAX:
REPORT TO: SAMPLER:

Location of Sampling: 5330 College Ave, Oakland
Purpose: 2nd quart 2011 GWM
Special Instructions / Comments: Global ID: T0600102112
Field point ID = Sample ID
P.O. #: GGE 2014
EMAIL: b.wheeler bwheeler@ggtr.com

TURNAROUND TIME: ☐ 10 Work Days ☐ 3 Work Days ☐ Noon - Nxt Day ☐ 7 Work Days ☐ 2 Work Days ☐ 2 - 8 Hours ☑ 5 Work Days ☐ 1 Work Day ☐ Other

SAMPLE TYPE: ☐ Storm Water ☐ Air ☐ Waste Water ☐ Other ☑ Ground Water ☐ Soil

REPORT FORMAT: ☐ QC Level IV ☑ EDF ☐ Excel / EDD

ANALYSIS REQUESTED: TPH-G/BTEX; 8 Oxy 8260

LAB ID	CLIENT'S SAMPLE I.D.	DATE / TIME SAMPLED		MATRIX	# OF CONT	CONT TYPE	TPH-G/BTEX	8 Oxy 8260	REMARKS
001	MW-1	06/09/11	1150	GW	3	VOA	X		
002	MW-2	"	1115	"	"	"	X		
003	MW-3	"	1015	"	"	"	X		
004	PW-1	"	0915	"	"	"	X	X	

TORRENT LAB

	Relinquished By	Print	Date	Time	Received By	Print	Date	Time
1	[signature]	John Carver	6/9/11	1215	[signature]	Robert Cayanta	6/20/11	2:48 pm
2	[signature]	Robert Cayanta	6/20/11	4:30 pm	D.J. Ghodasara	NAVIN G	6-20-11	4:30 P.M

Were Samples Received in Good Condition? ☑ Yes ☐ NO Samples on Ice? ☐ Yes ☐ NO Method of Shipment ______ Sample seals intact? ☐ Yes ☐ NO ☑ N/A

NOTE: Samples are discarded by the laboratory 30 days from date of receipt unless other arrangements are made. Page 1 of 1

Log In By: ______ Date: ______ Log In Reviewed By: ______ Date: ______

STATE WATER RESOURCES CONTROL BOARD

GEOTRACKER ESI

UPLOADING A EDF FILE

SUCCESS

Processing is complete. No errors were found!
Your file has been successfully submitted!

Submittal Type:	EDF
Report Title:	2Q11 Groundwater Sampling Results - June 2011
Report Type:	Monitoring Report - Semi-Annually
Facility Global ID:	T0600102112
Facility Name:	SHEAFFS SERVICE GARAGE
File Name:	GGE 1106145 5930 College Ave EDF.zip
Organization Name:	Golden Gate Environmental, Inc.
Username:	GGE
IP Address:	108.81.108.167
Submittal Date/Time:	6/10/2013 8:55:19 AM
Confirmation Number:	9516111254

VIEW QC REPORT

VIEW DETECTIONS REPORT

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STATE WATER RESOURCES CONTROL BOARD

GEOTRACKER ESI

UPLOADING A GEO_WELL FILE

SUCCESS

Processing is complete. No errors were found!
Your file has been successfully submitted!

Submittal Type:	GEO_WELL
Report Title:	2Q11 Groundwater Monitoring Results - June 2011
Facility Global ID:	T0600102112
Facility Name:	SHEAFFS SERVICE GARAGE
File Name:	GEO_WELL.zip
Organization Name:	Golden Gate Environmental, Inc.
Username:	GGE
IP Address:	108.81.108.167
Submittal Date/Time:	6/10/2013 9:01:02 AM
Confirmation Number:	1942960619

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US Environmental

Ecosystems Research Division

EPA On-line Tools for Site Assessment Calculation

Hydraulic Gradient – Magnitude and Direction

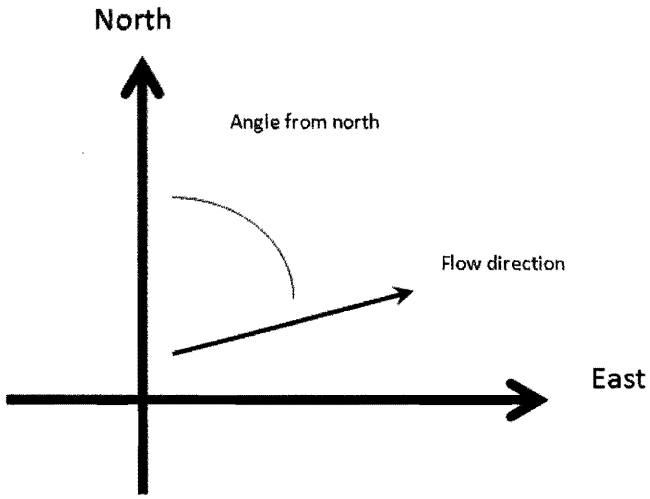
Gradient Calculation from fitting a plane to as many as thirty points

$a\,x_1 + b\,y_1 + c = h_1$
$a\,x_2 + b\,y_2 + c = h_2$
$a\,x_3 + b\,y_3 + c = h_3$
. . .
$a\,x_{30} + b\,y_{30} + c = h_{30}$

where (x_i,y_i) are the coordinates of the well and
h_i is the head

$i = 1,2,3, \ldots , 30$
The coefficients a, b, and c are calculated by a least-squares fitting of the the data to a plane

The gradient is calculated from the square root of $(a^2 + b^2)$ and the angle from the arctangent of a/b or b/a depending on the quadrant



Inputs

Example Data Set 1 | Example Data Set 2 | Calculate | Clear
Save Data | Recall Data | Go Back

Site Name: 5930 College Ave., Oak
Date: 6/9/11 Current Date
Calculation basis: Head
Coordinates: ft

I.D.	x-coordinate	y-coordinate	head (ft)
1) MW-1	6055822.91	2135878.96	189.5
2) MW-3	6055818.98	2135842.80	189.3
3) PW-1	6055924.91	2135914.96	189.74
4)			
5)			
6)			
7)			
8)			
9)			
10)			
11)			
12)			
13)			
14)			

15)				
16)				
17)				
18)				
19)				
20)				
21)				
22)				
23)				
24)				
25)				
26)				
27)				
28)				
29)				
30)				

Results

Number of Points Used in Calculation	3
Max. Difference Between Head Values	0.1341
Gradient Magnitude (i)	0.005501
Flow direction as degrees from North (positive y axis)	184.3
Coefficient of Determination (R^2)	1.00

WCMS
Last updated on Thursday, August 11, 2011

http://www.epa.gov/athens/learn2model/part-two/onsite/gradient4plus-ns.html

Golden Gate Ennvironmental
3730 Mission St
San Francisco, California 94110
Tel: (415) 686-8846

RE: 5930 College Ave., Oakland

Work Order No.: 1110044

Dear Brent Wheeler:

Torrent Laboratory, Inc. received 4 sample(s) on October 07, 2011 for the analyses presented in the following Report.

All data for associated QC met EPA or laboratory specification(s) except where noted in the case narrative.

Torrent Laboratory, Inc. is certified by the State of California, ELAP #1991. If you have any questions regarding these test results, please feel free to contact the Project Management Team at (408)263-5258; ext 204.

Patti Sandrock

October 14, 2011
Date

Date: 10/14/2011

Client: Golden Gate Ennvironmental

Project: 5930 College Ave., Oakland

Work Order: 1110044

CASE NARRATIVE

No issues encountered with the receiving, preparation, analysis or reporting of the results associated with this work order.

483 Sinclair Frontage Rd., Milpitas, CA 95035 | tel: 408.263.5258 | fax: 408.263.8293 | www.torrentlab.com

Torrent LABORATORY, INC.

Sample Result Summary

Report prepared for: Brent Wheeler
Golden Gate Ennvironmental

Date Received: 10/07/11
Date Reported: 10/14/11

MW-1 1110044-001

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
MTBE	SW8260B	110	41	55	89	ug/L
Benzene	SW8260B	110	37	55	9200	ug/L
Toluene	SW8260B	110	21	55	1500	ug/L
Ethyl Benzene	SW8260B	110	17	55	4200	ug/L
m,p-Xylene	SW8260B	110	22	110	10000	ug/L
o-Xylene	SW8260B	110	14	55	3500	ug/L
TPH(Gasoline)	8260TPH	110	2400	5500	50000	ug/L

MW-2 1110044-002

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Benzene	SW8260B	44	15	22	810	ug/L
Toluene	SW8260B	44	8.4	22	34	ug/L
Ethyl Benzene	SW8260B	44	6.8	22	610	ug/L
m,p-Xylene	SW8260B	44	8.8	44	100	ug/L
TPH(Gasoline)	8260TPH	44	950	2200	9200	ug/L

MW-3 1110044-003

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Benzene	SW8260B	8.8	2.9	4.4	140	ug/L
Toluene	SW8260B	8.8	1.7	4.4	7.0	ug/L
Ethyl Benzene	SW8260B	8.8	1.4	4.4	160	ug/L
m,p-Xylene	SW8260B	8.8	1.8	8.8	67	ug/L
TPH(Gasoline)	8260TPH	8.8	190	440	5400	ug/L

Torrent LABORATORY, INC.

Sample Result Summary

Report prepared for: Brent Wheeler
Golden Gate Ennvironmental

Date Received: 10/07/11
Date Reported: 10/14/11

PW-1 1110044-004

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
TPH(Gasoline)	8260TPH	1	22	50	260	ug/L
cis-1,2-Dichloroethene	SW8260B	1	0.33	0.50	2.0	ug/L
Benzene	SW8260B	1	0.33	0.50	0.56	ug/L
Trichloroethylene	SW8260B	1	0.38	0.50	0.63	ug/L
Tetrachloroethylene	SW8260B	1	0.15	0.50	76	ug/L
Ethyl Benzene	SW8260B	1	0.15	0.50	5.9	ug/L
m,p-Xylene	SW8260B	1	0.20	1.0	4.5	ug/L
Isopropyl Benzene	SW8260B	1	0.28	0.50	0.79	ug/L
n-Propylbenzene	SW8260B	1	0.30	0.50	1.8	ug/L
1,3,5-Trimethylbenzene	SW8260B	1	0.20	0.50	0.99	ug/L
1,2,4-Trimethylbenzene	SW8260B	1	0.33	0.50	3.8	ug/L
n-Butylbenzene	SW8260B	1	0.32	0.50	0.68	ug/L
Naphthalene	SW8260B	1	0.57	1.0	1.2	ug/L

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Brent Wheeler
Golden Gate Ennvironmental

Date Received: 10/07/11
Date Reported: 10/14/11

Client Sample ID:	MW-1	**Lab Sample ID:**	1110044-001A
Project Name/Location:	5930 College Ave., Oakland	**Sample Matrix:**	Groundwater
Project Number:			
Date/Time Sampled:	10/07/11 / 10:40		
Tag Number:	5930 College Ave.,Oakland		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
MTBE	SW8260B	NA	10/07/11	110	41	55	89		ug/L	406971	NA
Benzene	SW8260B	NA	10/07/11	110	37	55	9200		ug/L	406971	NA
Toluene	SW8260B	NA	10/07/11	110	21	55	1500		ug/L	406971	NA
Ethyl Benzene	SW8260B	NA	10/07/11	110	17	55	4200		ug/L	406971	NA
m,p-Xylene	SW8260B	NA	10/07/11	110	22	110	10000		ug/L	406971	NA
o-Xylene	SW8260B	NA	10/07/11	110	14	55	3500		ug/L	406971	NA
(S) Dibromofluoromethane	SW8260B	NA	10/07/11	110	61.2	131	103		%	406971	NA
(S) Toluene-d8	SW8260B	NA	10/07/11	110	75.1	127	116		%	406971	NA
(S) 4-Bromofluorobenzene	SW8260B	NA	10/07/11	110	64.1	120	92.8		%	406971	NA

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH(Gasoline)	8260TPH	NA	10/07/11	110	2400	5500	50000	x	ug/L	406971	NA
(S) 4-Bromofluorobenzene	8260TPH	NA	10/07/11	110	41.5	125	101		%	406971	NA

NOTE: x - Does not match reference Gasoline standard. Reported value is the result of discrete peaks and contribution from heavy hydrocarbons in range of C5-C12 quantified as gasoline (possibly aged gasoline).

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Brent Wheeler
Golden Gate Ennvironmental

Date Received: 10/07/11
Date Reported: 10/14/11

Client Sample ID:	MW-2	**Lab Sample ID:**	1110044-002A
Project Name/Location:	5930 College Ave., Oakland	**Sample Matrix:**	Groundwater
Project Number:			
Date/Time Sampled:	10/07/11 / 9:20		
Tag Number:	5930 College Ave.,Oakland		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
MTBE	SW8260B	NA	10/07/11	44	17	22	ND		ug/L	406971	NA
Benzene	SW8260B	NA	10/07/11	44	15	22	810		ug/L	406971	NA
Toluene	SW8260B	NA	10/07/11	44	8.4	22	34		ug/L	406971	NA
Ethyl Benzene	SW8260B	NA	10/07/11	44	6.8	22	610		ug/L	406971	NA
m,p-Xylene	SW8260B	NA	10/07/11	44	8.8	44	100		ug/L	406971	NA
o-Xylene	SW8260B	NA	10/07/11	44	5.6	22	ND		ug/L	406971	NA
(S) Dibromofluoromethane	SW8260B	NA	10/07/11	44	61.2	131	105		%	406971	NA
(S) Toluene-d8	SW8260B	NA	10/07/11	44	75.1	127	116		%	406971	NA
(S) 4-Bromofluorobenzene	SW8260B	NA	10/07/11	44	64.1	120	94.8		%	406971	NA

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH(Gasoline)	8260TPH	NA	10/07/11	44	950	2200	9200		ug/L	406971	NA
(S) 4-Bromofluorobenzene	8260TPH	NA	10/07/11	44	41.5	125	101		%	406971	NA

NOTE: Result is elevated due to contribution from heavy end hydrocarbons in the C5-C12 range quantified as Gasoline.

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Brent Wheeler
Golden Gate Ennvironmental

Date Received: 10/07/11
Date Reported: 10/14/11

Client Sample ID:	MW-3	**Lab Sample ID:**	1110044-003A
Project Name/Location:	5930 College Ave., Oakland	**Sample Matrix:**	Groundwater
Project Number:			
Date/Time Sampled:	10/07/11 / 8:15		
Tag Number:	5930 College Ave.,Oakland		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
MTBE	SW8260B	NA	10/07/11	8.8	3.3	4.4	ND		ug/L	406971	NA
Benzene	SW8260B	NA	10/07/11	8.8	2.9	4.4	140		ug/L	406971	NA
Toluene	SW8260B	NA	10/07/11	8.8	1.7	4.4	7.0		ug/L	406971	NA
Ethyl Benzene	SW8260B	NA	10/07/11	8.8	1.4	4.4	160		ug/L	406971	NA
m,p-Xylene	SW8260B	NA	10/07/11	8.8	1.8	8.8	67		ug/L	406971	NA
o-Xylene	SW8260B	NA	10/07/11	8.8	1.1	4.4	ND		ug/L	406971	NA
(S) Dibromofluoromethane	SW8260B	NA	10/07/11	8.8	61.2	131	108		%	406971	NA
(S) Toluene-d8	SW8260B	NA	10/07/11	8.8	75.1	127	117		%	406971	NA
(S) 4-Bromofluorobenzene	SW8260B	NA	10/07/11	8.8	64.1	120	96.5		%	406971	NA

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH(Gasoline)	8260TPH	NA	10/07/11	8.8	190	440	5400		ug/L	406971	NA
(S) 4-Bromofluorobenzene	8260TPH	NA	10/07/11	8.8	41.5	125	106		%	406971	NA

NOTE: Result is elevated due to contribution from heavy end hydrocarbons in the C5-C12 range quantified as Gasoline.

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Brent Wheeler
Golden Gate Ennvironmental

Date Received: 10/07/11
Date Reported: 10/14/11

Client Sample ID:	PW-1	**Lab Sample ID:**	1110044-004A
Project Name/Location:	5930 College Ave., Oakland	**Sample Matrix:**	Groundwater
Project Number:			
Date/Time Sampled:	10/07/11 / 10:05		
Tag Number:	5930 College Ave.,Oakland		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Dichlorodifluoromethane	SW8260B	NA	10/07/11	1	0.41	0.50	ND		ug/L	406971	NA
Chloromethane	SW8260B	NA	10/07/11	1	0.41	0.50	ND		ug/L	406971	NA
Vinyl Chloride	SW8260B	NA	10/07/11	1	0.37	0.50	ND		ug/L	406971	NA
Bromomethane	SW8260B	NA	10/07/11	1	0.37	0.50	ND		ug/L	406971	NA
Trichlorofluoromethane	SW8260B	NA	10/07/11	1	0.34	0.50	ND		ug/L	406971	NA
1,1-Dichloroethene	SW8260B	NA	10/07/11	1	0.29	0.50	ND		ug/L	406971	NA
Freon 113	SW8260B	NA	10/07/11	1	0.38	0.50	ND		ug/L	406971	NA
Methylene Chloride	SW8260B	NA	10/07/11	1	0.18	5.0	ND		ug/L	406971	NA
trans-1,2-Dichloroethene	SW8260B	NA	10/07/11	1	0.31	0.50	ND		ug/L	406971	NA
MTBE	SW8260B	NA	10/07/11	1	0.38	0.50	ND		ug/L	406971	NA
tert-Butanol	SW8260B	NA	10/07/11	1	1.5	5.0	ND		ug/L	406971	NA
Diisopropyl ether (DIPE)	SW8260B	NA	10/07/11	1	0.36	0.50	ND		ug/L	406971	NA
1,1-Dichloroethane	SW8260B	NA	10/07/11	1	0.28	0.50	ND		ug/L	406971	NA
ETBE	SW8260B	NA	10/07/11	1	0.40	0.50	ND		ug/L	406971	NA
cis-1,2-Dichloroethene	SW8260B	NA	10/07/11	1	0.33	0.50	2.0		ug/L	406971	NA
2,2-Dichloropropane	SW8260B	NA	10/07/11	1	0.37	0.50	ND		ug/L	406971	NA
Bromochloromethane	SW8260B	NA	10/07/11	1	0.34	0.50	ND		ug/L	406971	NA
Chloroform	SW8260B	NA	10/07/11	1	0.29	0.50	ND		ug/L	406971	NA
Carbon Tetrachloride	SW8260B	NA	10/07/11	1	0.26	0.50	ND		ug/L	406971	NA
1,1,1-Trichloroethane	SW8260B	NA	10/07/11	1	0.32	0.50	ND		ug/L	406971	NA
1,1-Dichloropropene	SW8260B	NA	10/07/11	1	0.40	0.50	ND		ug/L	406971	NA
Benzene	SW8260B	NA	10/07/11	1	0.33	0.50	0.56		ug/L	406971	NA
TAME	SW8260B	NA	10/07/11	1	0.32	0.50	ND		ug/L	406971	NA
1,2-Dichloroethane	SW8260B	NA	10/07/11	1	0.28	0.50	ND		ug/L	406971	NA
Trichloroethylene	SW8260B	NA	10/07/11	1	0.38	0.50	0.63		ug/L	406971	NA
Dibromomethane	SW8260B	NA	10/07/11	1	0.21	0.50	ND		ug/L	406971	NA
1,2-Dichloropropane	SW8260B	NA	10/07/11	1	0.37	0.50	ND		ug/L	406971	NA
Bromodichloromethane	SW8260B	NA	10/07/11	1	0.23	0.50	ND		ug/L	406971	NA
cis-1,3-Dichloropropene	SW8260B	NA	10/07/11	1	0.30	0.50	ND		ug/L	406971	NA
Toluene	SW8260B	NA	10/07/11	1	0.19	0.50	ND		ug/L	406971	NA
Tetrachloroethylene	SW8260B	NA	10/07/11	1	0.15	0.50	76		ug/L	406971	NA
trans-1,3-Dichloropropene	SW8260B	NA	10/07/11	1	0.20	0.50	ND		ug/L	406971	NA
1,1,2-Trichloroethane	SW8260B	NA	10/07/11	1	0.20	0.50	ND		ug/L	406971	NA
Dibromochloromethane	SW8260B	NA	10/07/11	1	0.21	0.50	ND		ug/L	406971	NA
1,3-Dichloropropane	SW8260B	NA	10/07/11	1	0.18	0.50	ND		ug/L	406971	NA
1,2-Dibromoethane	SW8260B	NA	10/07/11	1	0.19	0.50	ND		ug/L	406971	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Brent Wheeler
Golden Gate Ennvironmental

Date Received: 10/07/11
Date Reported: 10/14/11

Client Sample ID:	PW-1	**Lab Sample ID:**	1110044-004A
Project Name/Location:	5930 College Ave., Oakland	**Sample Matrix:**	Groundwater
Project Number:			
Date/Time Sampled:	10/07/11 / 10:05		
Tag Number:	5930 College Ave.,Oakland		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Chlorobenzene	SW8260B	NA	10/07/11	1	0.14	0.50	ND		ug/L	406971	NA
Ethyl Benzene	SW8260B	NA	10/07/11	1	0.15	0.50	5.9		ug/L	406971	NA
1,1,1,2-Tetrachloroethane	SW8260B	NA	10/07/11	1	0.10	0.50	ND		ug/L	406971	NA
m,p-Xylene	SW8260B	NA	10/07/11	1	0.20	1.0	4.5		ug/L	406971	NA
o-Xylene	SW8260B	NA	10/07/11	1	0.13	0.50	ND		ug/L	406971	NA
Styrene	SW8260B	NA	10/07/11	1	0.20	0.50	ND		ug/L	406971	NA
Bromoform	SW8260B	NA	10/07/11	1	0.45	1.0	ND		ug/L	406971	NA
Isopropyl Benzene	SW8260B	NA	10/07/11	1	0.28	0.50	0.79		ug/L	406971	NA
Bromobenzene	SW8260B	NA	10/07/11	1	0.39	0.50	ND		ug/L	406971	NA
1,1,2,2-Tetrachloroethane	SW8260B	NA	10/07/11	1	0.26	0.50	ND		ug/L	406971	NA
n-Propylbenzene	SW8260B	NA	10/07/11	1	0.30	0.50	1.8		ug/L	406971	NA
2-Chlorotoluene	SW8260B	NA	10/07/11	1	0.33	0.50	ND		ug/L	406971	NA
1,3,5-Trimethylbenzene	SW8260B	NA	10/07/11	1	0.20	0.50	0.99		ug/L	406971	NA
4-Chlorotoluene	SW8260B	NA	10/07/11	1	0.32	0.50	ND		ug/L	406971	NA
tert-Butylbenzene	SW8260B	NA	10/07/11	1	0.29	0.50	ND		ug/L	406971	NA
1,2,3-Trichloropropane	SW8260B	NA	10/07/11	1	0.59	1.0	ND		ug/L	406971	NA
1,2,4-Trimethylbenzene	SW8260B	NA	10/07/11	1	0.33	0.50	3.8		ug/L	406971	NA
sec-Butyl Benzene	SW8260B	NA	10/07/11	1	0.24	0.50	ND		ug/L	406971	NA
p-Isopropyltoluene	SW8260B	NA	10/07/11	1	0.25	0.50	ND		ug/L	406971	NA
1,3-Dichlorobenzene	SW8260B	NA	10/07/11	1	0.31	0.50	ND		ug/L	406971	NA
1,4-Dichlorobenzene	SW8260B	NA	10/07/11	1	0.37	0.50	ND		ug/L	406971	NA
n-Butylbenzene	SW8260B	NA	10/07/11	1	0.32	0.50	0.68		ug/L	406971	NA
1,2-Dichlorobenzene	SW8260B	NA	10/07/11	1	0.39	0.50	ND		ug/L	406971	NA
1,2-Dibromo-3-Chloropropane	SW8260B	NA	10/07/11	1	0.45	1.0	ND		ug/L	406971	NA
Hexachlorobutadiene	SW8260B	NA	10/07/11	1	0.22	0.50	ND		ug/L	406971	NA
1,2,4-Trichlorobenzene	SW8260B	NA	10/07/11	1	0.48	1.0	ND		ug/L	406971	NA
Naphthalene	SW8260B	NA	10/07/11	1	0.57	1.0	1.2		ug/L	406971	NA
1,2,3-Trichlorobenzene	SW8260B	NA	10/07/11	1	0.52	1.0	ND		ug/L	406971	NA
(S) Dibromofluoromethane	SW8260B	NA	10/07/11	1	61.2	131	111		%	406971	NA
(S) Toluene-d8	SW8260B	NA	10/07/11	1	75.1	127	116		%	406971	NA
(S) 4-Bromofluorobenzene	SW8260B	NA	10/07/11	1	64.1	120	97.5		%	406971	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Brent Wheeler
Golden Gate Ennvironmental

Date Received: 10/07/11
Date Reported: 10/14/11

Client Sample ID:	PW-1	**Lab Sample ID:**	1110044-004A
Project Name/Location:	5930 College Ave., Oakland	**Sample Matrix:**	Groundwater
Project Number:			
Date/Time Sampled:	10/07/11 / 10:05		
Tag Number:	5930 College Ave.,Oakland		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH(Gasoline)	8260TPH	NA	10/07/11	1	22	50	260		ug/L	406971	NA
(S) 4-Bromofluorobenzene	8260TPH	NA	10/07/11	1	41.5	125	105		%	406971	NA

NOTE: Result is elevated due to contribution from heavy end hydrocarbons and discrete peak of non-fuel compound in the C5-C12 range quantified as Gasoline.

MB Summary Report

Work Order:	1110044	**Prep Method:**	5030	**Prep Date:**	10/07/11	**Prep Batch:**	3816
Matrix:	Water	**Analytical Method:**	8260TPH	**Analyzed Date:**	10/07/11	**Analytical Batch:**	406971
Units:	ug/L						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
TPH(Gasoline)	22	50	ND	
(S) 4-Bromofluorobenzene			92.0	

Work Order:	1110044	**Prep Method:**	NA	**Prep Date:**	NA	**Prep Batch:**	NA
Matrix:	Water	**Analytical Method:**	SW8260B	**Analyzed Date:**	10/07/11	**Analytical Batch:**	406971
Units:	ug/L						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Dichlorodifluoromethane	0.41	0.50	ND	
Chloromethane	0.41	0.50	ND	
Vinyl Chloride	0.37	0.50	ND	
Bromomethane	0.37	0.50	ND	
Trichlorofluoromethane	0.34	0.50	ND	
1,1-Dichloroethene	0.29	0.50	ND	
Freon 113	0.38	0.50	ND	
Methylene Chloride	0.18	5.0	ND	
trans-1,2-Dichloroethene	0.31	0.50	ND	
MTBE	0.38	0.50	ND	
tert-Butanol	1.5	5.0	ND	
Diisopropyl ether (DIPE)	0.36	0.50	ND	
1,1-Dichloroethane	0.28	0.50	ND	
ETBE	0.40	0.50	ND	
cis-1,2-Dichloroethene	0.33	0.50	ND	
2,2-Dichloropropane	0.37	0.50	ND	
Bromochloromethane	0.34	0.50	ND	
Chloroform	0.29	0.50	ND	
Carbon Tetrachloride	0.26	0.50	ND	
1,1,1-Trichloroethane	0.32	0.50	ND	
1,1-Dichloropropene	0.40	0.50	ND	
Benzene	0.33	0.50	ND	
TAME	0.32	0.50	ND	
1,2-Dichloroethane	0.28	0.50	ND	
Trichloroethylene	0.38	0.50	ND	
Dibromomethane	0.21	0.50	ND	
1,2-Dichloropropane	0.37	0.50	ND	
Bromodichloromethane	0.23	0.50	ND	
cis-1,3-Dichloropropene	0.30	0.50	ND	
Toluene	0.19	0.50	ND	

Torrent LABORATORY, INC.

MB Summary Report

Work Order:	1110044	**Prep Method:**	NA	**Prep Date:**	NA	**Prep Batch:**	NA
Matrix:	Water	**Analytical Method:**	SW8260B	**Analyzed Date:**	10/07/11	**Analytical Batch:**	406971
Units:	ug/L						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Tetrachloroethylene	0.15	0.50	ND	
trans-1,3-Dichloropropene	0.20	0.50	ND	
1,1,2-Trichloroethane	0.20	0.50	ND	
Dibromochloromethane	0.21	0.50	ND	
1,3-Dichloropropane	0.18	0.50	ND	
1,2-Dibromoethane	0.19	0.50	ND	
Chlorobenzene	0.14	0.50	ND	
Ethyl Benzene	0.15	0.50	ND	
1,1,1,2-Tetrachloroethane	0.10	0.50	ND	
m,p-Xylene	0.20	1.0	ND	
o-Xylene	0.13	0.50	ND	
Styrene	0.20	0.50	ND	
Bromoform	0.45	1.0	ND	
Isopropyl Benzene	0.28	0.50	ND	
Bromobenzene	0.39	0.50	ND	
1,1,2,2-Tetrachloroethane	0.26	0.50	ND	
n-Propylbenzene	0.30	0.50	ND	
2-Chlorotoluene	0.33	0.50	ND	
1,3,5-Trimethylbenzene	0.20	0.50	ND	
4-Chlorotoluene	0.32	0.50	ND	
tert-Butylbenzene	0.29	0.50	ND	
1,2,3-Trichloropropane	0.59	1.0	ND	
1,2,4-Trimethylbenzene	0.33	0.50	ND	
sec-Butyl Benzene	0.24	0.50	ND	
p-Isopropyltoluene	0.25	0.50	ND	
1,3-Dichlorobenzene	0.31	0.50	ND	
1,4-Dichlorobenzene	0.37	0.50	ND	
n-Butylbenzene	0.32	0.50	ND	
1,2-Dichlorobenzene	0.39	0.50	ND	
1,2-Dibromo-3-Chloropropane	0.45	1.0	ND	
Hexachlorobutadiene	0.22	0.50	ND	
1,2,4-Trichlorobenzene	0.48	1.0	ND	
Naphthalene	0.57	1.0	ND	
1,2,3-Trichlorobenzene	0.52	1.0	ND	
Ethanol	100	100	ND	TIC
(S) Dibromofluoromethane			102	
(S) Toluene-d8			120	
(S) 4-Bromofluorobenzene			90.9	

Torrent LABORATORY, INC.

LCS/LCSD Summary Report

Raw values are used in quality control assessment.

Work Order:	1110044	**Prep Method:**	5030	**Prep Date:**	10/07/11	**Prep Batch:**	3816
Matrix:	Water	**Analytical Method:**	8260TPH	**Analyzed Date:**	10/07/11	**Analytical Batch:**	406971
Units:	ug/L						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
TPH(Gasoline)	22	50	ND	227.27	85.8	86.6	0.899	52.4 - 127	30	
(S) 4-Bromofluorobenzene			92.0	11.36	95.5	85.1		41.5 - 125		

Work Order:	1110044	**Prep Method:**	NA	**Prep Date:**	NA	**Prep Batch:**	NA
Matrix:	Water	**Analytical Method:**	SW8260B	**Analyzed Date:**	10/07/11	**Analytical Batch:**	406971
Units:	ug/L						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
1,1-Dichloroethene	0.29	0.50	ND	17.04	93.1	90.1	3.53	61.4 - 129	30	
Benzene	0.33	0.50	ND	17.04	74.7	75.4	1.17	66.9 - 140	30	
Trichloroethylene	0.38	0.50	ND	17.04	104	102	2.28	69.3 - 144	30	
Toluene	0.19	0.50	ND	17.04	106	101	4.32	76.6 - 123	30	
Chlorobenzene	0.14	0.50	ND	17.04	105	102	3.04	73.9 - 137	30	
(S) Dibromofluoromethane			ND	11.36	96.1	98.1		61.2 - 131		
(S) Toluene-d8			ND	11.36	118	116		75.1 - 127		
(S) 4-Bromofluorobenzene			ND	11.36	83.4	85.4		64.1 - 120		

Laboratory Qualifiers and Definitions

DEFINITIONS:

Accuracy/Bias (% Recovery) - The closeness of agreement between an observed value and an accepted reference value.
Blank (Method/Preparation Blank) -MB/PB - An analyte-free matrix to which all reagents are added in the same volumes/proportions as used in sample processing. The method blank is used to document contamination resulting from the analytical process.
Duplicate - a field sample and/or laboratory QC sample prepared in duplicate following all of the same processes and procedures used on the original sample (sample duplicate, LCSD, MSD)
Laboratory Control Sample (LCS ad LCSD) - A known matrix spiked with compounds representative of the target analyte(s). This is used to document laboratory performance.
Matrix - the component or substrate that contains the analyte of interest (e.g., - groundwater, sediment, soil, waste water, etc)
Matrix Spike (MS/MSD) - Client sample spiked with identical concentrations of target analyte (s). The spiking occurs prior to the sample preparation and analysis. They are used to document the precision and bias of a method in a given sample matrix.
Method Detection Limit (MDL) - the minimum concentration of a substance that can be measured and reported with a 99% confidence that the analyte concentration is greater than zero
Practical Quantitation Limit (PQL) - a laboratory determined value at 2 to 5 times above the MDL that can be reproduced in a manner that results in a 99% confidence level that the result is both accurate and precise. PQLs reflect all preparation factors and/or dilution factors that have been applied to the sample during the preparation and/or analytical processes.
Precision (%RPD) - The agreement among a set of replicate/duplicate measurements without regard to known value of the replicates
Surrogate (S) or (Surr) - An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. Surrogates are used in most organic analysis to demonstrate matrix compatibility with the chosen method of analysis
Tentatively Identified Compound (TIC) - A compound not contained within the analytical calibration standards but present in the GCMS library of defined compounds. When the library is searched for an unknown compound, it can frequently give a tentative identification to the compound based on retention time and primary and secondary ion match. TICs are reported as estimates and are candidates for further investigation.
Units: the unit of measure used to express the reported result - **mg/L** and ***mg/Kg*** (equivalent to PPM - parts per million in **liquid** and ***solid***), **ug/L** and ***ug/Kg*** (equivalent to PPB - parts per billion in **liquid** and ***solid***), **ug/m3**, ***mg.m3***, **ppbv** and ***ppmv*** (all units of measure for reporting concentrations in air), **%** (equivalent to 10000 ppm or 1,000,000 ppb), **ug/Wipe** (concentration found on the surface of a single Wipe usually taken over a 100cm2 surface)

LABORATORY QUALIFIERS:

B - Indicates when the anlayte is found in the associated method or preparation blank
D - Surrogate is not recoverable due to the necessary dilution of the sample
E - Indicates the reportable value is outside of the calibration range of the instrument but within the linear range of the instrument (unless otherwise noted) Values reported with an E qualifier should be considered as estimated.
H- Indicates that the recommended holding time for the analyte or compound has been exceeded
J- Indicates a value between the method MDL and PQL and that the reported concentration should be considered as estimated rather the quantitative
NA - Not Analyzed
N/A - Not Applicable
NR - Not recoverable - a matrix spike concentration is not recoverable due to a concentration within the original sample that is greater than four times the spike concentration added
R- The % RPD between a duplicate set of samples is outside of the absolute values established by laboratory control charts
S- Spike recovery is outside of established method and/or laboratory control limits. Further explanation of the use of this qualifier should be included within a case narrative
X -Used to indicate that a value based on pattern identification is within the pattern range but not typical of the pattern found in standards. Further explanation may or may not be provided within the sample footnote and/or the case narrative.

Sample Receipt Checklist

Client Name: Golden Gate Ennvironmental

Project Name: 5930 College Ave., Oakland

Work Order No.: 1110044

Date and Time Received: 10/7/2011 13:15

Received By: NG

Physically Logged By: NG

Checklist Completed By: NG

Carrier Name: First Courier

Chain of Custody (COC) Information

Chain of custody present?	Yes
Chain of custody signed when relinquished and received?	Yes
Chain of custody agrees with sample labels?	Yes
Custody seals intact on sample bottles?	Not Present

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Not Present
Shipping Container/Cooler In Good Condition?	Yes
Samples in proper container/bottle?	Yes
Samples containers intact?	Yes
Sufficient sample volume for indicated test?	Yes

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes			
Container/Temp Blank temperature in compliance?	Yes	Temperature:	8	°C
Water-VOA vials have zero headspace?	Yes			
Water-pH acceptable upon receipt?	N/A			

pH Checked by: pH Adjusted by:

All samples present and correct. Samples received in a cooler with ice.

Login Summary Report

Client ID: TL5127 Golden Gate Ennvironmental

Project Name: 5930 College Ave., Oakland

Project # :

Report Due Date: 10/14/2011

QC Level:

TAT Requested: 5+ day:0

Date Received: 10/7/2011

Time Received: 13:15

Comments:

Work Order # : ***1110044***

WO Sample ID	Client Sample ID	Collection Date/Time	Matrix	Scheduled Disposal	Sample On Hold	Test On Hold	Requested Tests	Subbed
1110044-001A	MW-1	10/07/11 10:40	Water	11/21/11			EDF W_GCMS-GRO W_8260MBTEX	
Sample Note:	MBTEX for 001-003, full 826o for 004							
1110044-002A	MW-2	10/07/11 9:20	Water	11/21/11			W_GCMS-GRO W_8260MBTEX	
1110044-003A	MW-3	10/07/11 8:15	Water	11/21/11			W_GCMS-GRO W_8260MBTEX	
1110044-004A	PW-1	10/07/11 10:05	Water	11/21/11			W_GCMS-GRO W_8260Full	

Torrent LABORATORY, INC.

Torrent LABORATORY, INC.
483 Sinclair Frontage Road
Milpitas, CA 95035
Phone: 408.263.5258 RESET
FAX: 408.263.8293
www.torrentlab.com

CHAIN OF CUSTODY

• NOTE: SHADED AREAS ARE FOR TORRENT LAB USE ONLY •

LAB WORK ORDER NO: 1110044

Company Name: Golden Gate Environmental, Inc.	Location of Sampling: 5930 College Avenue, Oakland
Address: 3730 Mission Street	Purpose: 4th Quarter 2011 Groundwater Monitoring
City: San Francisco / State: CA / Zip Code: 94110	Special Instructions / Comments: Global ID: T0600102112. Field Point ID=Sample ID
Telephone: 415-970-9088 / FAX: 415-970-9089	
REPORT TO: Brent Wheeler / SAMPLER: John Carver	P.O. #: GGE 2014 / EMAIL: b.wheeler@ggtr.com

TURNAROUND TIME:
☐ 10 Work Days ☐ 3 Work Days ☐ Noon - Nxt Day
☐ 7 Work Days ☐ 2 Work Days ☐ 2 - 8 Hours
☑ 5 Work Days ☐ 1 Work Day ☐ Other

SAMPLE TYPE:
☐ Storm Water ☐ Air
☐ Waste Water ☐ Other
☑ Ground Water
☐ Soil

REPORT FORMAT:
☐ QC Level IV
☑ EDF
☐ Excel / EDD

ANALYSIS REQUESTED

LAB ID	CLIENT'S SAMPLE I.D.	DATE / TIME SAMPLED	MATRIX	# OF CONT	CONT TYPE	TPH-G (8260)	BTEX/MTBE(8260)	VOCs (Full List)	REMARKS
001A	MW-1	100711/ 1040	GW	3	Voa	✓	✓		
002A	MW-2	100711/ 0930	GW	3	Voa	✓	✓		
003A	MW-3	100711/ 0815	GW	3	Voa	✓	✓		
004A	PW-1	100711/ 1005	GW	3	Voa	✓		✓	
									Temp. 8 °C Chilling has begun.

	Relinquished By:	Print:	Date:	Time:	Received By:	Print:	Date:	Time:
1		John Carver	10/7/11	1045			10/7	12:30
2		Joseph Tong	10/7	1:15 P.m		NAVIN G.	10-7-11	13:15

Were Samples Received in Good Condition? ☐ Yes ☐ NO Samples on Ice? ☐ Yes ☐ NO Method of Shipment First Courier Sample seals intact? ☐ Yes ☐ NO ☑ N/A

NOTE: Samples are discarded by the laboratory 30 days from date of receipt unless other arrangements are made.

Page 1 of 1

Log In By: Date: Log In Reviewed By: Date:

STATE WATER RESOURCES CONTROL BOARD

GEOTRACKER ESI

UPLOADING A EDF FILE

SUCCESS

Processing is complete. No errors were found!
Your file has been successfully submitted!

Submittal Type:	EDF
Report Title:	2Q11 Groundwater Sampling Results - October 2011
Report Type:	Monitoring Report - Semi-Annually
Facility Global ID:	T0600102112
Facility Name:	SHEAFFS SERVICE GARAGE
File Name:	GGE 1110044 5930 College Ave EDF.zip
Organization Name:	Golden Gate Environmental, Inc.
Username:	GGE
IP Address:	108.81.108.167
Submittal Date/Time:	6/10/2013 8:59:33 AM
Confirmation Number:	3707782804

VIEW QC REPORT

VIEW DETECTIONS REPORT

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STATE WATER RESOURCES CONTROL BOARD

GEOTRACKER ESI

UPLOADING A GEO_WELL FILE

SUCCESS

Processing is complete. No errors were found!
Your file has been successfully submitted!

Submittal Type:	GEO_WELL
Report Title:	2Q11 Groundwater Monitoring Results - October 2011
Facility Global ID:	T0600102112
Facility Name:	SHEAFFS SERVICE GARAGE
File Name:	GEO_WELL.zip
Organization Name:	Golden Gate Environmental, Inc.
Username:	GGE
IP Address:	108.81.108.167
Submittal Date/Time:	6/10/2013 9:02:13 AM
Confirmation Number:	4996067106

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Tools for Site Assessment Calculation

nitude and Direction

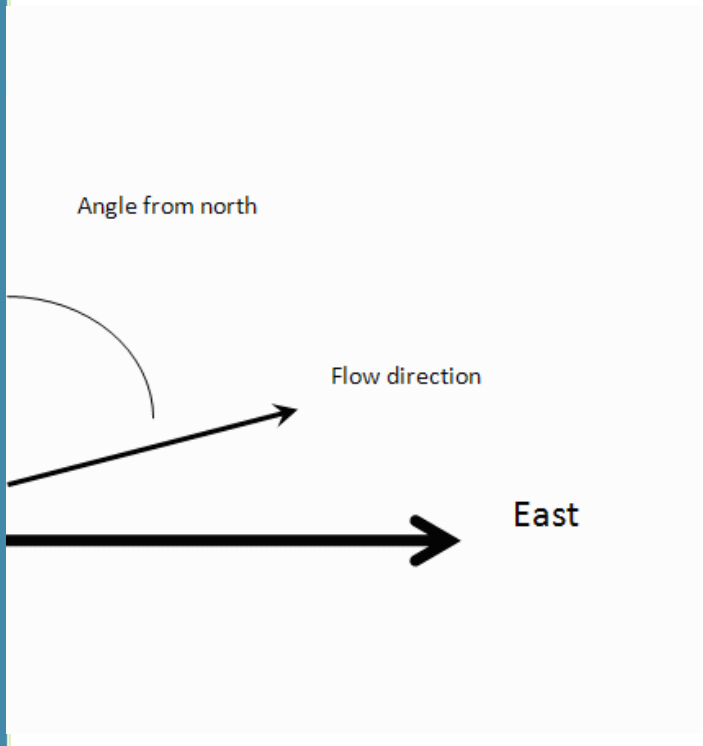
fitting a plane to as many as thirty points

inates of the well and

c are calculated by a least-squares fitting of the the data to a plane

from the square root of ($a^2 + b^2$) and the angle from the arctangent of a/b or b/a

t



Example Data Set 1 | Example Data Set 2 | Calculate | Clear

Save Data | Recall Data | Go Back

5930 College Ave., Oak

10/7/11 | Current Date

Head

ft

ordinate y-coordinate head ft

MW-1	6055822.91	2135878.96	186.82

MW-3	6055818.98	2135842.80	186.62
PW-1	6055924.91	2135914.96	187.38

Calculation	3
lead Values	0.2316
	0.006314
from North (positive y axis)	215.6
on (R^2)	1.00

systems Research Web editor to ask a question, provide feedback, or report a problem.

TABLE 1

GROUNDWATER MONITORING AND SAMPLING DATA
CHEVRON SERVICE STATION 20-9339
5940 COLLEGE AVENUE
OAKLAND, CALIFORNIA

					HYDROCARBONS	*PRIMARY VOCS*			
Location	Date	*TOC*	*DTW*	*GWE*	*TPH-GRO*	*B*	*T*	*E*	*X*
	Units	*ft*	*ft*	*ft-amsl*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*
MW-1	10/14/2010	196.91	13.25	183.66	<50	<0.5	<0.5	<0.5	<1.5
MW-1	04/14/2011	196.91	7.81	189.10	<50	<0.5	<0.5	<0.5	<1.5
MW-1	**10/07/2011**	**196.91**	**10.66**	**186.25**	**140**	**<0.5**	**<0.5**	**<2.0**	**2.0**
MW-2	10/14/2010	197.35	12.15	185.20	480	1.3	<2.0	<2.0	7.1
MW-2	04/14/2011	197.35	6.92	190.43	150	<0.5	<0.5	<0.5	<5.0
MW-2	**10/07/2011**	**197.35**	**10.27**	**187.08**	**370**	**0.7**	**<0.5**	**0.8**	**5.0**
QA	10/14/2010	-	-	-	<50	<0.5	<0.5	<0.5	<1.5
QA	04/14/2011	-	-	-	<50	<0.5	<0.5	<0.5	<1.5
QA	**10/07/2011**	**-**	**-**	**-**	**<50**	**<0.5**	**<0.5**	**<0.5**	**<1.5**

Abbreviations and Notes:

TOC = Top of Casing

DTW = Depth to Water

GWE = Groundwater elevation

(ft-amsl) = Feet Above Mean sea level

ft = Feet

µg/L = Micrograms per Liter

TPH-GRO = Total Petroleum Hydrocarbons - Gasoline Range Organics

VOCS = Volatile Organic Compounds

B = Benzene

T = Toluene

TABLE 1

GROUNDWATER MONITORING AND SAMPLING DATA
CHEVRON SERVICE STATION 20-9339
5940 COLLEGE AVENUE
OAKLAND, CALIFORNIA

E = Ethylbenzene

X = Xylene

-- = Not available / not applicable

<x = Not detected above laboratory method detection limit

* TOC elevations were surveyed on December 27, 2000, by Virgil Chavez Land Surveying. The benchmark used for the survey was the City of Oakland benchmark being a cut square in the top of curb, at the curb return at the northeast corner of College Avenue and Miles Avenue (Benchmark Elev. 179.075 feet msl).

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
CAL 000 308 093	1	800-479-7993	007270079 JJK

GENERATOR

5. Generator's Name and Mailing Address
William G Sheaff Trust
1945 Parkside Dr
Concord CA 94519
Generator's Phone: 925 689-3450

Generator's Site Address (if different than mailing address)
5930 College Ave
Oakland CA 94618

6. Transporter 1 Company Name: Big Sky Environmental Solutions — U.S. EPA ID Number: CAL 000 346 010

7. Transporter 2 Company Name: ENV Environmental International Inc — U.S. EPA ID Number: CAR 000 179 382

8. Designated Facility Name and Site Address
US Ecology
Highway 95, 11 Miles South of Beatty
Beatty, NV 89003
Facility's Phone: 775-553-2203

U.S. EPA ID Number: NVD 048 946 016

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. UN 3082 Environmentaly Hazardous Substance, N.O.S 9, PG III (Water With Trace Organics)	001	dM	45 ~~20~~ WC	G	D018 343
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
Wear PPE, ERG 152, Emergency Contact: Jeff Rhodes, 510 541-2128. 9B1 X55

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: BRENT WHEELER — Signature: [signature] — Month: 11 Day: 10 Year: 11

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: William Clark — Signature: [signature] — Month: 11 Day: 9 Year: 11

Transporter 2 Printed/Typed Name: — Signature: — Month: Day: Year:

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) U.S. EPA ID Number

Facility's Phone:

18c. Signature of Alternate Facility (or Generator) Month: Day: Year:

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems).

1.	2.	3.	4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: — Signature: — Month: Day: Year:

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)