

Phase I & II Site Assessments Vapor Intrusion Assessments Soil & Groundwater Sampling Site Remediation UST Removal & Oversight Waste Management UST Cleanup Fund Assistance

RECEIVED

9:15 am, Jun 30, 2009

Alameda County
Environmental Health

June 23, 2009 GGE Project #2014

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

RE: Groundwater Monitoring Report – 1st & 2nd Quarters 2009

SITE: Former Sheaff's Garage

5930 College Avenue, Oakland, California ACHCSA Fuel Leak Case No. RO0000377

Dear Dr. Sheaff:

Golden Gate Environmental, Inc. (GGE) is pleased to submit the enclosed copy of the Groundwater Monitoring Report – 1st & 2nd Quarters 2009, which discusses the activities and findings of the continued quarterly groundwater monitoring and sampling events conducted on January 19 and April 27, 2009 at 5930 College Avenue in Oakland, California. GGTR uploaded an electronic copy of the report to the State Water Resources Control Board's GeoTracker Database System. An electronic copy has been submitted to the attention of Ms. Barbara Jakub via the Alameda County Environmental Cleanup Oversight Program's FTP site.

Should you have any questions, please contact us at your convenience. In my absence from the office, I may be reached by cellular service at (415) 686-8846.

Respectfully Submitted,

Brent A. Wheeler

Golden Gate Environmental, Inc.

Enclosures (1)

Cc: Ms. Barbara Jakub, ACHCSA – FTP Site

Mr. John Accacian - Email



GROUNDWATER MONITORING REPORT 1st & 2nd Quarters 2009

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: January 19 & April 27, 2009 Report Date: June 23, 2009

Brent Wheeler Project Manager MARK YOUNGKIN No. 1380 CERTIFIED

ENGINEERING GEOLOGIST EXP: 4-30-11 Mark Youngkin

istered Geologist CEG No. 1380

GROUNDWATER MONITORING REPORT 1st & 2nd Quarters 2009 Sheaff's Garage, 5930 College Avenue, Oakland, CA

TABLE OF CONTENTS

INTRODUCTI	ON1
SITE DESCRI	PTION1
PROJECT HIS	TORY2
GROUNDWA'	TER MONITORING & SAMPLING: January & April 20093
	5
CONCLUSION	NS / RECOMMENDATIONS7
	TRIBUTION7
	S8
FIGURES	
	Site Location Map
	Site Plan
	A - Groundwater Potentiometric Map, January 2009
	B - Groundwater Potentiometric Map, April 2009
4.	TPH Gasoline in Groundwater, April 2009
TABLES	
	Historical Groundwater Levels & Hydrocarbon Analytical Results
	Historical Groundwater VOC Analytical Results
ATTACHME	NTS
	Fluid-Level Monitoring Data Forms
	Well Purging/Sampling Data Sheets
В	Laboratory Certificates of Analysis
	Chain of Custody Records
	GeoTracker Upload Confirmation Forms
	EPA On-Line Tools for Site Assessment Calculation Sheets
	Groundwater Monitoring Data and Analytical Results Table (GR)
,	Oroundwater Monitoring Data and Anarytical Results Table (OR)

GROUNDWATER MONITORING REPORT 1st & 2nd Quarters 2009

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

INTRODUCTION

This report presents the results and findings of the January 19 (1st Quarter) and April 27 (2nd Quarter, 2009 groundwater monitoring and sampling events conducted by Golden Gate Environmental, Inc. (GGE) 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 – Site Plan, depicts the Site, adjacent properties, and associated features. Figures 3A and 3B – Groundwater Potentiometric Map shows the groundwater flow direction and hydraulic gradient for both January and April 2009 events. Figure 4 presents an isoconcentration map for TPH as gasoline in groundwater (April 2009 event). 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).

Gettler-Ryan, Inc. (GR) of Dublin, California 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 requested that additional characterization be performed and that a conceptual site model be prepared for the former Chevron Station property, based on a recent subject case file review.

GGTR and GR have conducted joint monitoring and sampling activities at the associated sites on a quarterly basis since October 2000. Since the April 8, 2002 event, GR has monitored and sampled each well on a biannual basis. GR performed their most recent joint/biannual monitoring and sampling of GR-MW1 & GR-MW2 on April 15, 2009. 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 GR well relative to the Site. Appendix B includes GR's Groundwater Monitoring Data and Analytical Results summary table.

SITE DESCRIPTION

The Site is located at 5930 College Avenue, along the east side of College Avenue between Harwood Street and Chabot Road in Oakland, California. 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 (Former Sheaff's Service Garage) currently occupies the Site, for the service and repair of automobiles. No active fuel storage or distribution system operations currently take place 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 (MSL, Figure 1). Figure 2 depicts pertinent Site structures and adjacent properties.

The Site is relatively flat lying with the topographic relief in the immediate vicinity of the Site generally directed toward the southwest (Figure 1). Regional topographic relief appears to be directed toward the west-southwest in the general direction of the San Francisco Bay. 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).

PROJECT HISTORY

In August 1996, 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	Length	Volume	Contents
		(Feet)	(Feet)	(Gallons)	
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 GGTR's *Tank Removal Report*, dated October 11, 1996.

Between May 1998 and October 1999, as requested by the ACHCSA, 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.

In collaboration with GR, which is conducting a separate groundwater investigation adjacent to the Site (5940 College Avenue; Former Chevron Station), GGTR has jointly monitored and sampled each well on a quarterly or semi-annual basis since April 2001. GR has most recently conducted groundwater monitoring and sampling activities at their site on April 15, 2009. Figure 2 shows the locations of the Site monitoring wells as well as GR monitoring wells.

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 exist 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 document GGTR's *Report of Additional Soil and Groundwater Investigation, June 10, 2003*.

Based on review of GGTR's June 2003 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 GGTR's Report of Additional Site Characterization and Groundwater Monitoring, August 29, 2006.

Between October 2003 and April 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 and the First Quarter 2008 groundwater monitoring events at the Site. The results of the January and April 2009 monitoring and sampling events are presented in the following sections.

Based on review of the conclusions and recommendations presented in the documents *Report of Additional Site Characterization*, *August 2006* and *Groundwater Monitoring Report, May 30, 2008*, prepared by GGTR, 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 its Soil and Water Investigation Work Plan & Site Conceptual Model to the ACHCSA for review.

GROUNDWATER MONITORING & SAMPLING: January & April 2009

The scope of work for the First & Second Quarters 2009 groundwater monitoring and sampling event includes the following:

- Monitoring, purging and sampling of monitoring wells MW-1, MW-2, MW-3 and PW-1
- Groundwater sample laboratory analysis
- Waste management
- Electronic data upload to GeoTracker Database System
- Data interpretation

Groundwater Monitoring and Sampling: On January 19 and April 27, 2009, 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/oil interface meter. 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 monitoring wells MW-1 to MW-3 and piezometer PW-1 using a peristaltic pump (average flow rate @ 600-800 milliliters 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 three well casing volumes and/or three successive readings of each parameter varied by less than 0.1, 10%, and 3%, respectively. GGE transferred the purge water directly to a 55-gallon, D.O.T.-approved steel drum. After the groundwater in each well recharged to approximately 80% of its original level, GGE collected a groundwater sample using a peristaltic pump with dedicated tubing lowered just below the groundwater static level. The sample was immediately removed from the well and the groundwater was carefully decanted from the end of the tubing into pre-cleaned, laboratory-provided sample containers. All volatile organic analysis (VOA) vials were inverted and checked to insure that no entrapped air was present. The samples were sealed with Teflon caps, properly labeled, and stored in a cooler chilled to approximately 4°C. Attachment A presents a copy of the Fluid-Level Monitoring Data Form and Well Purging/Sampling Data Sheets for each quarterly event.

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

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

During the April 2009 event, the sample collected from PW-1 was additionally analyzed for other VOCs (full list) 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 these events as well as previous monitoring events at the Site. Attachment B includes a copy of the Laboratory Certificates of Analysis and associated Chain of Custody Records for each event.

Waste Management: The well purge and equipment wash and rinse water generated during the January 2009 (@ 20 gallons) and April 2009 (@ 30 gallons) 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.

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) 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 Form.

RESULTS

Groundwater Monitoring Results: For the January 2009 event, the groundwater elevations calculated relative to the top of well casing in MW-1 to MW-3 and PW-1 ranged between 184.93 (MW-3) and 185.06 (PW-1) feet, as referenced to Mean Sea Level (MSL). For the April 2009 event, groundwater elevations ranged between 188.07 (MW-3) and 188.48 (PW-1) feet, MSL.

The groundwater elevation and coordinate data for each monitoring event was entered into the EPA On-Line Tools for Site Assessment Calculation – Hydraulic Gradient. 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 and 3B depict the groundwater potentiometric maps for the January and April 2009 monitoring events, respectively, showing the hydraulic gradient and groundwater flow

direction data. Figures 3A and 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 sheets for each event are included in Attachment B.

During the January 2009 monitoring event, the groundwater flow direction beneath the Site was estimated at S4°W under a hydraulic gradient of approximately 0.0017 ft/ft, and for the April 2009 event, groundwater flow was directed S24°W at approximately 0.004 ft/ft. The groundwater flow directions for both the January and April 2009 events are consistent with historical data for the Site, with general flow direction towards the south. As discussed in GGTR's June 1, 2009 *Soil & Water Investigation Work Plan & Site Conceptual Model*, monitor well MW-3 appears to have erroneous monitoring data due to its close proximity to the utility conduits in College Avenue and was not used in the EPA on-line gradient calculation. Although monitored approximately two weeks prior, groundwater elevations measured in Gettler-Ryan wells during the April 2009 event were generally consistent with those measured for the subject wells.

Results of Groundwater Sampling and Laboratory Analysis: Elevated concentrations of TPH-G ranging between 360 (PW-1) and 33,000 (MW-1) ug/l and benzene ranging between 2.7 (PW-1) and 8,500 (MW-1) ug/l, were measured in groundwater samples collected during the January and April 2009 events. The TPH-G and benzene concentrations continue to exceed applicable groundwater ESLs. Toluene, ethylbenzene, and total xylene concentrations measured in MW-1 and MW-2 during these events also exceeded applicable ESLs. Figure 4 presents the groundwater TPH-G isoconcentration map for the April 2009 event. Table 1 presents a summary of the historical hydrocarbon laboratory analytical results for these events. The laboratory analytical report provided for each event is included in Attachment B.

Concentrations of MTBE were detected above its ESL in monitoring wells MW-1 and MW-2 at 143 ug/l and 90 ug/l, respectively, during the January 2009 event, however decreased significantly during the April 2009 event to 53 and ND<0.5 ug/l. No other fuel oxygenates were detected in the groundwater samples collected in MW-1 to MW-3 & PW-1 during the January and April 2009 events.

A historically high concentration of PCE (120 ug/l) exceeding its applicable ESL (5 ug/l) was detected in the groundwater sample collected in PW-1. Concentrations of TCE and cis-1,2,-DCE measured in PW-1 were either insignificant or not detected. Table 2 presents a summary of the historical groundwater VOC analytical results and the complete VOC laboratory report for PW-1 is included in Attachment B.

CONCLUSIONS / RECOMMENDATIONS

Due to the elevated concentrations of TPH-G and Benzene remaining in MW-1 to MW-3 and PW-1, GGE recommends continuing the joint groundwater monitoring and sampling program with GR. The next quarterly event is scheduled at the Site in late July 2009. Groundwater samples will continue to be analyzed for TPH-G, BTEX, and Fuel Oxygenates by EPA Method 8260B. Additionally, to further monitor the concentrations of PCE in groundwater in the vicinity of PW-1, GGE will continue sampling this well on a bi-annual basis (second and fourth quarters) and analyze the groundwater samples for VOCs (full list) by EPA Method 8260B.

Following review and authorization by the ACHCSA, GGE recommends implementation of GGTR's *Soil & Water Investigation Work Plan & Site Conceptual Model*, recently uploaded to the ACHCSA's FTP Site.

REPORT DISTRIBUTION

This report and all future report 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

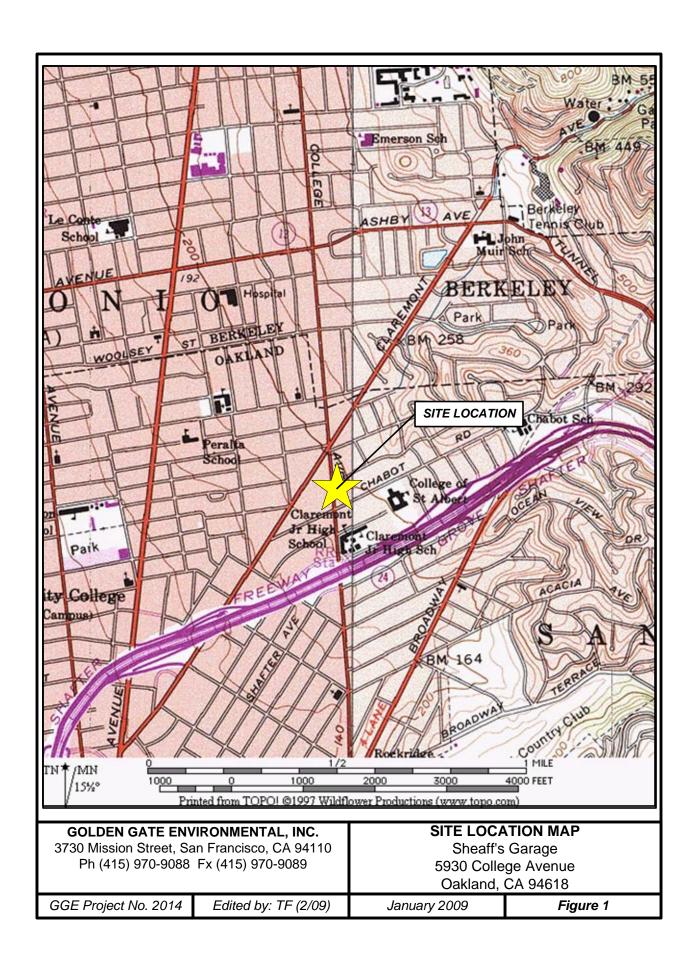
(1 Copy; Bound)

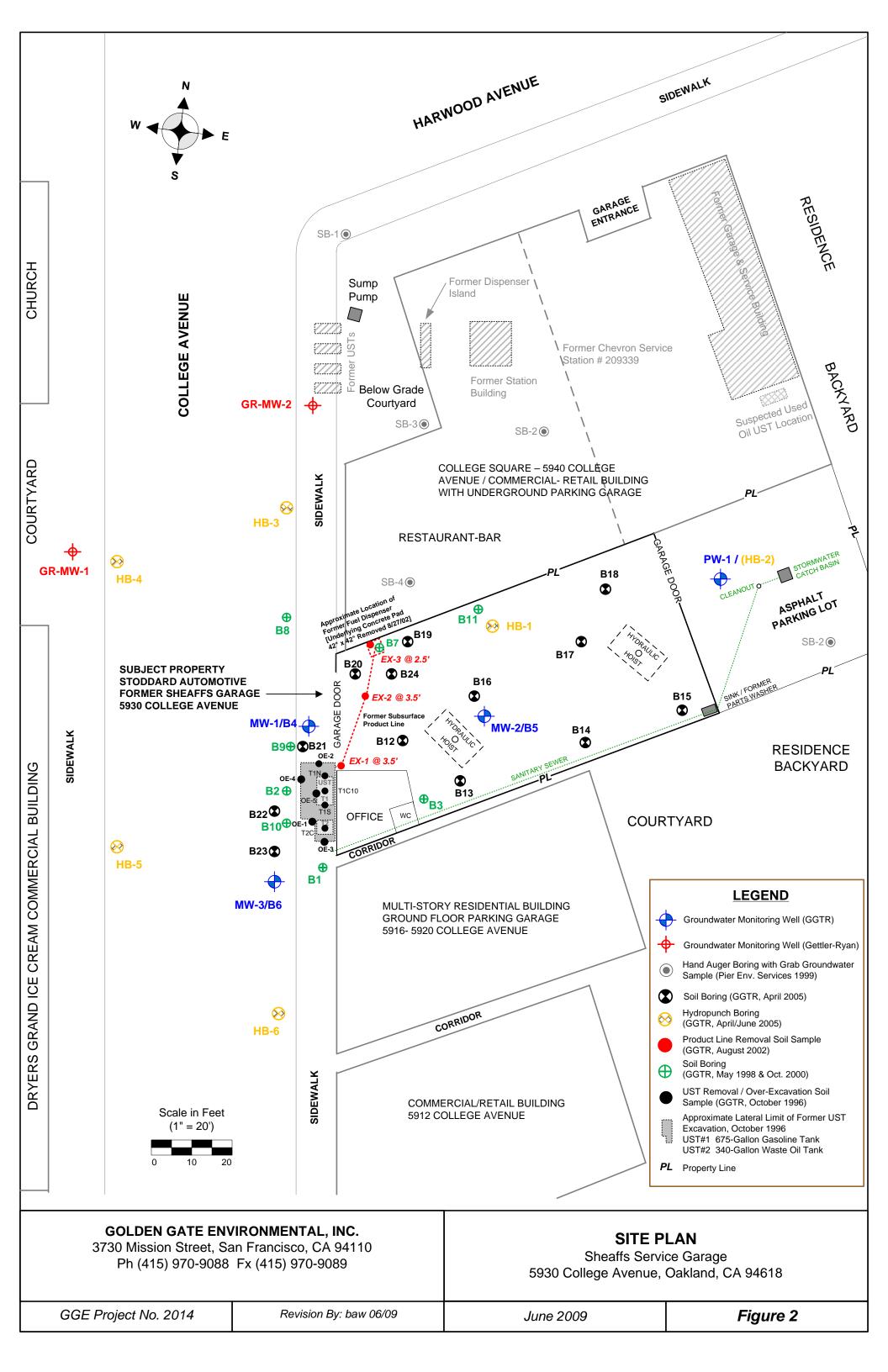
LIMITATIONS

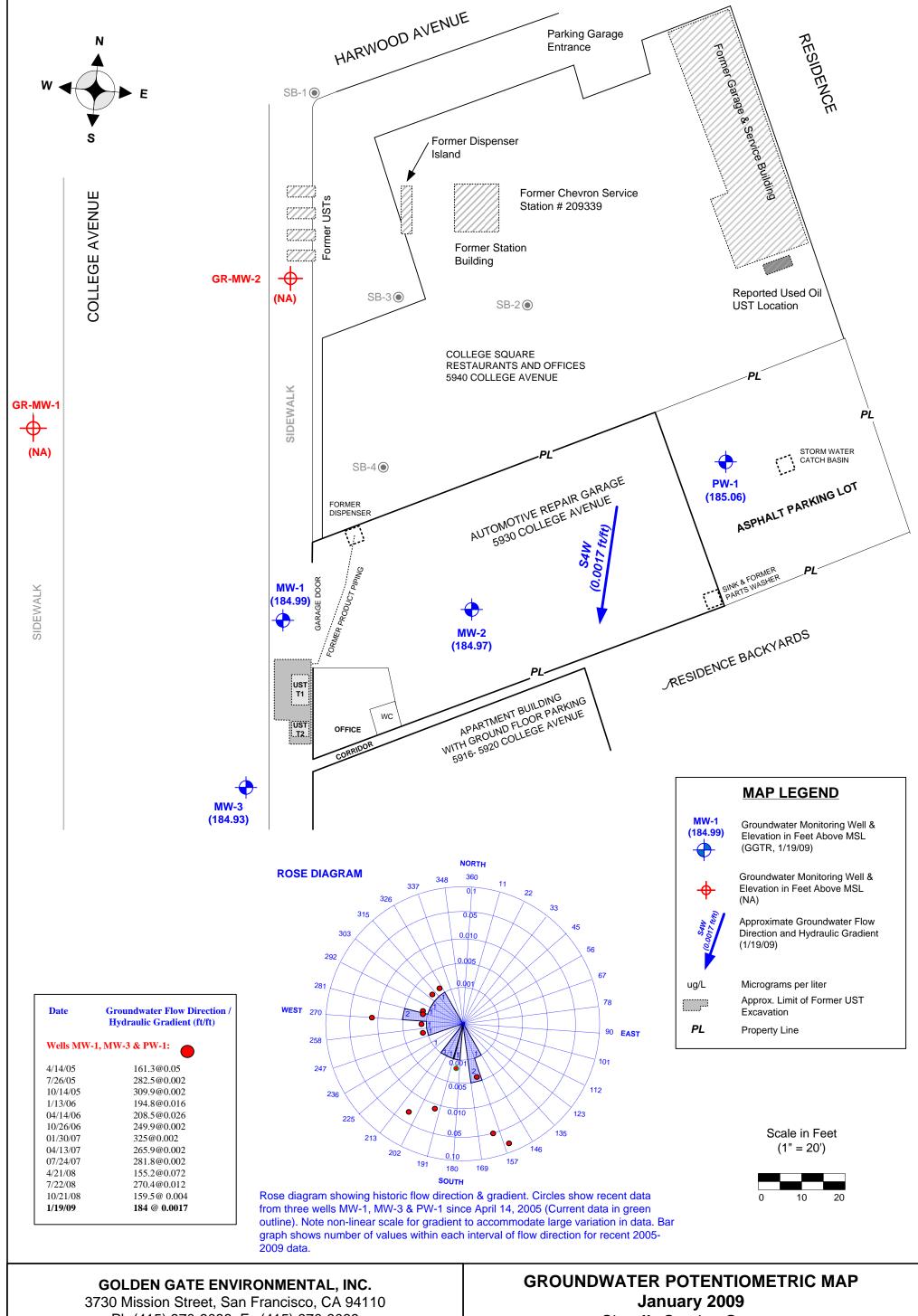
It should be understood that all environmental assessments are inherently limited in that conclusions are drawn and recommendations developed from information obtained from limited research and visual observations. Subsurface conditions change significantly with distance and time and may differ from 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 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.



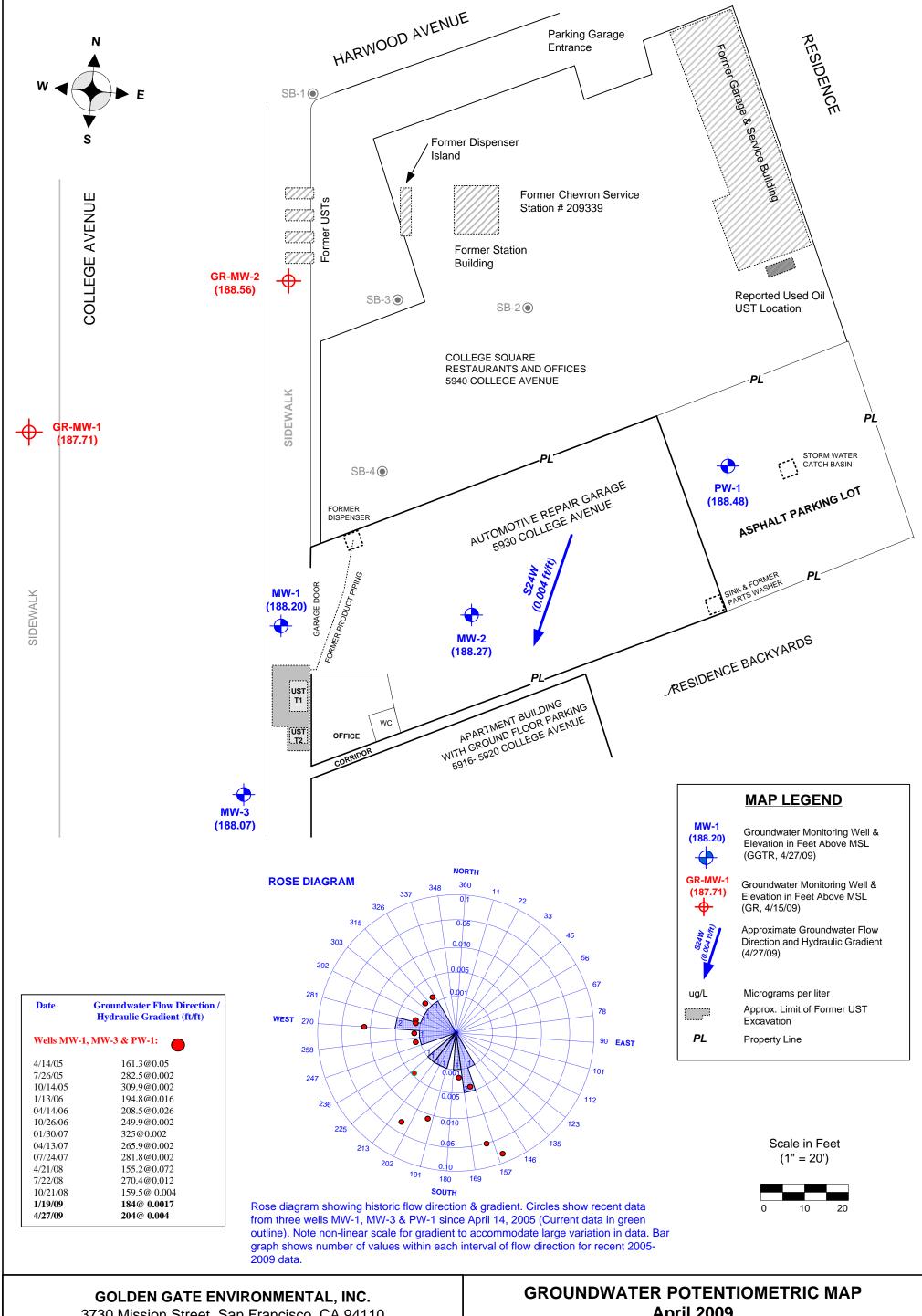




Ph (415) 970-9088 Fx (415) 970-9089

Sheaffs Service Garage 5930 College Avenue, Oakland, CA 94618

GGE Project No. 2014 Figure 3A June 2009

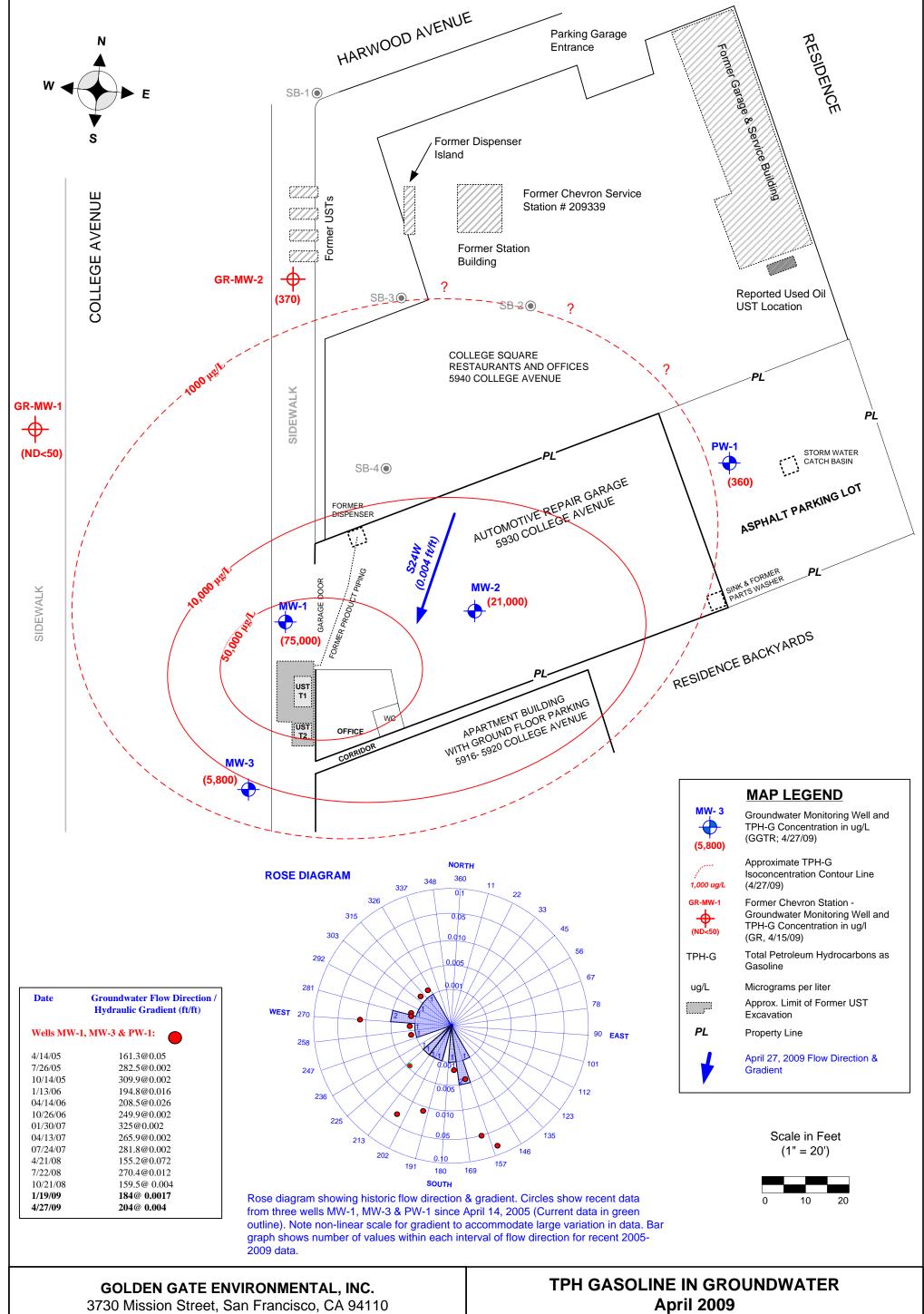


3730 Mission Street, San Francisco, CA 94110 Ph (415) 970-9088 Fx (415) 970-9089

April 2009

Sheaffs Service Garage 5930 College Avenue, Oakland, CA 94618

GGE Project No. 2014 Figure 3B June 2009



Ph (415) 970-9088 Fx (415) 970-9089

Sheaffs Service Garage 5930 College Avenue, Oakland, CA 94618

GGE Project No. 2014

June 2009

Figure 4

TABLE 1
Historical Groundwater Levels & Hydrocarbon Analytical Results
5930 College Avenue, Oakland, CA

	Ī	1		nege Avenu	c, Oakian	u, CA																	
		Casing	Depth to	Water	Product	TPH-G	MTBE	BTEX															
Well ID	Sample Date	Elevation	GW	Elevation	Odor/ Sheen	(ug/L)	(ug/L)	(ug/L)															
		(ft, MSL)	(ft, TOC)	(ft, MSL)		(ug/L)	(ug/L)	_															
	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		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															
MW-1	7/19/04	195.9	195.9	195.9	8.95	186.95	Odor	63900	303	7260 /2270 / 2510 / 10100													
	10/22/04				195.9	195.9	195.9	195.9	195.9	195.9	195.9	195.9	195.9					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															
		RWQCB ES		100	5	1.0 / 40 / 30 / 20																	
	os Following	KWQCD E	3L - NOV 200	100	3	1.0 / 40 / 30 / 20																	

TABLE 1 (Cont.)
Historical Groundwater Levels & Hydrocarbon Analytical Results
5930 College Avenue, Oakland, CA

					nege Avenu	enue, Oakiand, CA													
Well ID	Sample Date	Casing Elevation	Depth to GW	Water Elevation	Product Odor/ Sheen	TPH-G (ug/L)	MTBE (ug/L)	BTEX (ug/L)											
		(ft, MSL)	(ft, TOC)	(ft, MSL)			, 0 ,	_											
	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		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	1	8.4	188.88	Slight odor	30400	112 (203)**	3570 / 322 / 1620 / 4140											
	7/19/04	1	10.3	186.98	Odor	28300	283 (373)**	2540 / 239 /1320 / 2300											
MW-2	10/22/04	197.28	197.28	10.25	187.03	Mod odor	13500	273 (229)**	1790 / 54 / 892 / 915										
	1/21/05			197.28	197.28	197.28	197.28	197.28	197.28	197.28	197.28	197.28	197.28	6.65	190.63	Mod odor	278000	161 (163)**	5980 / 1030 / 2890 / 9070
	4/14/05													197.28	197.28	197.28	8.7	188.58	None
	7/26/05	1	8.95	188.33	Mod odor	41000	ND (ND)**	5600 / 550 / 2600 / 4600											
	10/14/05	1	10.92	186.36	Odor/sheen	13000	130	2900 / 100 / 1300 / 1200											
	1/13/06	1	5.48	191.8	Odor	20000	ND<100	4900 / 490 / 2400 / 4200											
	4/14/06	1	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	1	10.98	186.3	Odor	17000	62	3200 / 150 / 2200 / 1800											
	4/13/07	1	10.54	186.74	NM	19000	57	2000 / 85 / 1300 / 1100											
	7/24/07	1	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	1	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		90	167/8.49/114/50.3												
	4/27/09		9.01	188.27	Odor/sheen	21000	ND<0.5	1700/130/1100/1800											
		RWQCB ES		100	5	1.0 / 40 / 30 / 20													
	oo Following																		

TABLE 1 (Cont.)
Historical Groundwater Levels & Hydrocarbon Analytical Results
5930 College Avenue, Oakland, CA

					nege Avenu	пие, Оакіапа, СА																	
Well ID	Sample Date	Casing Elevation	Depth to GW	Water Elevation	Product Odor/ Sheen	TPH-G (ug/L)	MTBE (ug/L)	BTEX (ug/L)															
	10/7/00	(ft, MSL)	(ft, TOC)	(ft, MSL)	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	-	200	210 / 110 / 120 / 1000															
	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		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	195.22	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		195.22		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														
MW-3	10/22/04			195.22	195.22	195.22	195.22	9.25	185.97	None	7420	96 (21)**	152 / 12.8 / 267 / 480										
	1/21/05							195.22	195.22	195.22	195.22	195.22	195.22	5.22	190	Slight odor	2420	ND (ND)**	111 / 11.4 / 139 / 265				
	4/14/05													195.22	195.22	195.22	195.22	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	1	8.83	186.39	Odor/sheen	6100	ND	76 / 19 / 170 / 350															
	1/13/06					 	 	-	<u> </u>	, 	-	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					† -	├	 	 	 		-	<u> </u>	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		1 1	 	 	9.3	185.92	None	4300	ND<5	200 / 11 / 30 / 14												
	7/22/08	1	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	Ī	10.29	184.93	Odor	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															
	C	RWQCB ES		100	5	1.0 / 40 / 30 / 20																	
	os 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)															
	4/14/05		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															
PW-1	4/13/07	197.17	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	1	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															
	C	RWQCB ES	SL - Nov 200	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

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

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

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

^{** =} Concentration confirmed by EPA Method 8260

TABLE 2
Historical Groundwater VOC Analytical Results
5930 College Avenue, Oakland, CA

Well ID	Sample	IPB	n-PB	1,3,5-TMB	1,2,4-TMB	Sec-BB	n-BB	Naphthalene	TCE	MC	cis-1,2-	Vinyl	PCE
	Date	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	DCE	Chloride	(ug/L)
											(ug/L)	(ug/L)	
	2/2/04	116	342	701	2690	ND<10	66	992	ND<5	ND<50	ND<10	ND<5	ND<5
	4/23/04	ND<100	180	417	1560	ND<100	ND<100	559	ND<10	1210	ND<100	ND<50	ND<50
	7/19/04	89	239	507	1890	ND<20	ND<20	801	ND<10	ND<100	ND<20	ND<10	ND<10
	10/22/04	ND<100	264	520	1990	ND<100	ND<100	700	ND<50	ND<500	ND<100	ND<50	ND<50
	1/21/05	ND<200	271	525	2080	ND<200	ND<200	662	ND<100	ND<5000	ND<200	ND<100	ND<100
	4/14/05	141	437	882	3450	ND	ND	1220	ND<50	ND<2500	ND<100	ND<50	ND<50
	7/26/05	ND<500	ND<2500	ND<2500	ND<2500	ND<2500	ND<2500	ND<2500	ND<250	ND<2500	ND<250	ND<250	ND<250
MW-1	10/14//05	ND<250	ND<1200	ND<1200	2700	ND<1200	ND<1200	ND<1200	ND<120	ND<5000	ND<120	ND<120	ND<120
	1/13/06	ND<250	ND<1200	ND<1200	2100	ND<1200	ND<1200	ND<1200	ND<120	ND<5000	ND<120	ND<120	ND<120
	4/14/06	ND<250	ND<1200	ND<1200	2400	ND<1200	ND<1200	ND<1200	ND<120	ND<5000	ND<120	ND<120	ND<120
	10/26/06	ND<250	ND<1200	ND<1200	2000	ND<1200	ND<1200	ND<1200	ND<120	ND<5000	ND<120	ND<120	ND<120
	1/30/07	ND<200	ND<1000	ND<1000	1700	ND<1000	ND<1000	ND<1000	ND<100	ND<4000	ND<100	ND<100	ND<100
	4/13/07	ND<100	ND<500	ND<500	1800	ND<500	ND<500	730	ND<50	ND<2000	ND<50	ND<50	ND<50
	7/24/07	1000	ND<500	ND<500	2200	ND<500	ND<500	790	ND<50	ND<2000	ND<50	ND<50	ND<50
	4/21/08	ND<100	ND<500	ND<500	2100	ND<500	ND<500	810	ND<50	ND<2000	ND<50	ND<50	ND<50
CRWQ	CB ESL	NC	NC	NC	NC	NC	NC	17	5	5	6	0.5	5

TABLE 2 (Continued)

Historical Groundwater VOC Analytical Results 5930 College Avenue, Oakland, CA

Well ID	Sample	IPB	n-PB	1,3,5-TMB	1,2,4-TMB	Sec-BB	n-BB	Naphthalene	TCE	MC	cis-1,2-	Vinyl	PCE
	Date	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	DCE	Chloride	(ug/L)
											(ug/L)	(ug/L)	
	2/2/04	73	186	306	1090	ND<10	66	413	ND<5	ND<50	ND<10	ND<5	ND<5
	4/23/04	ND<100	215	469	1570	ND<100	ND<100	568	ND<5	ND<50	ND<100	ND<50	ND<50
	7/19/04	73	173	316	1070	ND<10	74	475	ND<5	ND<50	ND<10	ND<5	ND<5
	10/22/04	49	132	80	257	ND<10	44	227	ND<50	ND<50	ND<10	ND<5	ND<5
	1/21/05	ND<100	239	371	1500	ND<100	ND<100	697	ND<50	ND<2500	ND<100	ND<50	ND<50
	4/14/05	139	293	445	2390	ND	71	1490	ND<5	ND<250	ND<10	ND<5	ND<5
	7/26/05	ND<500	ND<2500	ND<2500	ND<2500	ND<2500	ND<2500	ND<2500	ND<250	ND<2500	ND<250	ND<250	ND<250
MW-2	10/14//05	ND<100	ND<500	ND<500	770	ND<500	ND<500	ND<500	ND<50	ND<2000	ND<50	ND<50	ND<50
	1/13/06	ND<100	ND<500	ND<500	1200	ND<500	ND<500	ND<500	ND<50	ND<2000	ND<50	ND<50	ND<50
	4/14/06	ND<100	ND<500	ND<500	1200	ND<500	ND<500	680	ND<50	ND<2000	ND<50	ND<50	ND<50
	10/26/06	ND<25	180	ND<120	320	ND<120	ND<120	210	ND<12	ND<500	ND<12	ND<12	ND<12
	1/30/07	ND<50	360	250	1100	ND<250	ND<250	500	ND<25	ND<1000	ND<25	ND<25	ND<25
	4/13/07	73	180	140	680	ND<100	ND<100	450	ND<10	ND<400	ND<10	ND<10	ND<10
	7/24/07	110	130	ND<100	140	ND<100	ND<100	200	ND<10	ND<400	ND<10	ND<10	ND<10
	4/21/08	78	230	ND<100	440	ND<100	ND<100	450	ND<10	ND<400	ND<10	ND<10	ND<10
CRWQ	CB ESL	NC	NC	NC	NC	NC	NC	17	5	5	6	0.5	5

TABLE 2 (Continued)

Historical Groundwater VOC Analytical Results 5930 College Avenue, Oakland, CA

Well ID	Sample	IPB	n-PB	1,3,5-TMB	1,2,4-TMB	Sec-BB	n-BB	Naphthalene	TCE	MC	cis-1,2-	Vinyl	PCE
	Date	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	DCE	Chloride	(ug/L)
											(ug/L)	(ug/L)	
	2/2/04	23	83	22	68	ND<1	38	33	ND<0.5	ND<5	ND<1	ND<0.5	ND<0.5
	4/23/04	29	82	60	337	ND<1	24	160	ND<0.5	ND<5	ND<1	ND<0.5	ND<0.5
	7/19/04	27	105	48	204	ND<1	34	16	ND<0.5	ND<5	ND<1	ND<0.5	ND<0.5
	10/22/04	55	182	192	574	ND<10	42	76	ND<5	ND<50	ND<10	ND<5	ND<5
	1/21/05	25	88	23	96	ND<1	15	43	ND<0.5	ND<25	ND<1	ND<0.5	ND<0.5
	4/14/05	45	28	85	302	ND<10	28	121	ND<0.5	ND25	ND<1	ND<0.5	ND<0.5
	7/26/05	ND<10	ND<50	120	250	ND<50	ND<50	60	ND<5	ND<50	ND<5	ND<5	ND<5
MW-3	10/14//05	ND<20	ND<100	ND<100	210	ND<100	ND<100	ND<100	ND<10	ND<400	ND<10	ND<10	ND<10
	1/13/06	ND<10	120	ND<50	120	ND<50	ND<50	ND<50	ND<5	ND<200	ND<5	ND<5	ND<5
	4/14/06	ND<20	170	ND<100	120	ND<100	ND<100	100	ND<10	ND<400	ND<10	ND<10	ND<10
	10/26/06	ND<10	82	ND<50	62	ND<50	ND<50	ND<50	ND<5.0	ND<200	ND<5.0	ND<5	ND<5.0
	1/30/07	ND<10	94	ND<50	63	ND<50	ND<50	ND<50	ND<5.0	ND<200	ND<5.0	ND<5	ND<5.0
	4/13/07	25	68	ND<25	ND<25	ND<25	ND<25	ND<25	ND<2.5	ND<100	ND<2.5	ND<2.5	ND<2.5
	7/27/07	12	36	ND<25	ND<25	ND<25	ND<25	ND<25	ND<2.5	ND<100	ND<2.5	ND<2.5	ND<2.5
	4/21/08	25	73	ND<25	ND<25	ND<25	ND<25	ND<25	ND<2.5	ND<100	ND<2.5	ND<2.5	ND<2.5
CRWQ	CB ESL	NC	NC	NC	NC	NC	NC	17	5	5	6	0.5	5

TABLE 2 (Continued)

Historical Groundwater VOC Analytical Results 5930 College Avenue, Oakland, CA

Well ID	Sample Date	IPB	n-PB	1,3,5-TMB	1,2,4-TMB	Sec-BB	n-BB	Naphthalene	TCE	MC	cis-1,2-DCE	Vinyl	PCE
		(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	Chloride	(ug/L)
												(ug/L)	
	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
PW-1	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
CRW	QCB ESL	NC	NC	NC	NC	NC	NC	17	5	5	6	0.5	5

TABLE 2 (Continued)

Historical Groundwater VOC Analytical Results 5930 College Avenue, Oakland, CA

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, Tier 1 Environmental Screening Level for groundwater that **IS** a potential source of drinking water

ATTACHMENT A Fluid-Level Monitoring Data Forms Well Purging/Sampling Data Sheets

FLUID-LEVEL MONITORING DATA

	Project No:	26	014		Date	: 1/19/2009						
	Project/Site	: Location: _	5930	COLLEC	SOE AVE, OAKLAND, CA							
	Technician			<	O-DICTALTIC.							
1	Boring/ Well ID	Depth to Water	Depth to Product	Product Thickness	Total Well Depth	Comments						
		(feet)	(feet)	(feet)	(feet)							
ł	MW I	10.41	ND.	ND	14.66	@ 8:58						
3	MW 2	12.3	ND	ND	19.82	@ 10:37 (CAR OVER)						
2	Mw 3	10.29	ND	ND	18.97	@ 8:53 (WATER AROVE CASING)						
	MN H											
	PWI	12.11	ND	ND	19,94	@ 8;44 (HEAVY)						
		- L										
	Measureme	ents reference	ced to:	TOC	Grade.	Page 1 of 1						

WELL PURGING/SAMPLING DATA

Project Number: 2614 Date: 119 2009

Project / Site Location: 5930 COLLEGE AVE
OAKLAND, CA

Sampler/Technician:

Casing/Borehole Diameter (inches)	0.75/1.75	2/8	4/8	4/10	6/10	6/12
Casing/Borehole Volumes (gallons/foot)	0.02/0.13	0.2/0.9	0.7/1.2	0.7/1.6	1.5/2.2	1.5/3.1

Casing/Borehole Volumes (gallons/foot) 0.02/0.13	0.2/0.9 0.7/1.2 0.7/1.6 1.5/2.2 1.5/3.1					
Well No. MW L	Well No. MW 2					
A. Total Well Depth B. Depth To Water C. Water Height (A-B) D. Well Casing Diameter E. Casing Volume Constant (from above table) F. Three (3) Casing or Borehole Volumes (CxEx3) G. 80% Recharge Level [B+(ExC)] Ft. (toc) 10.91 Ft. 10.91 Ft.	A. Total Well Depth B. Depth To Water C. Water Height (A-B) D. Well Casing Diameter E. Casing Volume Constant (from above table) F. Three (3) Casing or Borehole Volumes (CxEx3) G. 80% Recharge Level [B+(ExC)] Ft. (toc) 12.31 Ft. 7.51 Ft. 2 In. 6, 2 4,50 Gals. 13.61 Ft.					
Purge Event #1 Start Time: :57 Finish Time: 2:09 Purge Volume: Recharge #1 Depth to Water: 3.51 13.23 Time Measured: 2:10 12:13	Purge Event #1 Start Time: 11:13 Finish Time: 11:34 Purge Volume: 4.5 GAL Recharge #1 Depth to Water: 19.03 19.95 Time Measured: 11:35 11:38					
Purge Event #2 Start Time: Finish Time: Purge Volume: Recharge #2 Depth to Water: Time Measured:	Purge Event #2 Start Time: Finish Time: Purge Volume: Recharge #2 Depth to Water: Time Measured:					
Well Fluid Parameters: 0.75 0.375 (Casing or Borehole Volumes) 0 1 1.5 2 2.5 3 Time [1:57 12:01 12:03 12:05 12:07 12:07 pH 6.68 6.65 6.62 6.65 6.62 6.65 T (°C) 17.2 17.5 17.7 17.8 17.8 17.8 Cond. 472 451 450 459 460 464 DO Turbidity ORP	Well Fluid Parameters: 1.5 0.75 (Casing or Borehole Volumes) 0 1 1.5 2 2.5 3 Time 11:13 11:20 11:23 11:27 11:30 11:34 pH 6.62 6.60 6.54 6.59 6.57 6.55 T (°C) 17.7 18.2 18.3 18.2 18.3 2 2 2.5 2 2.5 3 Cond. 577 512 511 500 498 508 Turbidity ORP Summary Data:					
Summary Data: Total Gallons Purged: 2.25 Purge device: VERISTACTIC PUMP Purge Rate (ml/min.): 600 Sampling Device: VERISTACTIC PUMP Sample Collection Time: 12:15 Sample Appearance: ODOR/ SHEEN Drums Remaining Onsite: Total Volume: 2	Total Gallons Purged: 4.5 GAL Purge device: PERISTAUTIC PUMP Purge Rate (ml/min.): 800 Sampling Device: PERISTAUTIC PUMP Sample Collection Time: 11: 40 Sample Appearance: OOOR NO SHEEN 20 Gals. (Show Location on Site Plan)					

WELL PURGING/SAMPLING DATA

 Project Number:
 2014
 Date:
 1/9/2009

 Project / Site Location:
 590 COULEGE AVE

 OAKLANO, CA

 Sampler/Technician:

 Casing/Borehole Diameter (inches)
 0.75/1.75
 2/8
 4/8
 4/10
 6/10
 6/12

 Casing/Borehole Volumes (gallons/foot)
 0.02/0.13
 0.2/0.9
 0.7/1.2
 0.7/1.6
 1.5/2.2
 1.5/3.1

Garine (Danahala Diamatan (inghas)	0.75/1.75	2/8	4/8	4/10	6/10	6/12	
Casing/Borehole Diameter (inches)				0.7/1.6	1.5/2.2	1.5/3.1	
Casing/Borehole Volumes (gallons/foot)	0.02/0.13	0.2/0.9	0.7/1.2	0.7/1.0	1.3/2.2	1.0/0.1	
				+			
Well No. MW 3	1	Well No.	MW	PW-	- 1		
A. Total Well Depth	Ft.(toc)	A. Total W	ell Depth		19,94	Ft.(toc)	
B. Depth To Water	B. Depth T			12011	Ft.		
C. Water Height (A-B)		C. Water F			7.83		
		D. Well Ca				In.	
	111.						
E. Casing Volume Constant			Volume Co	iistaiit	0.2		
(from above table) 0.2	÷		ove table)		- Co 2		
F. Three (3) Casing or			B) Casing or		11 1.0		
Borehole Volumes (CxEx3) 5, 20	Gals.		e Volumes		4.69	Gals.	
G. 80% Recharge Level	, ·	G. 80% Re	charge Lev	⁄el	12 17		
[B+(ExC)] 12.03) Ft.	B+(Ex	C)]		13.67	Ft.	
[2 (2.10)]	-	• `	7.				
Purge Event #1	:	Purge Eve	nt #1				
		1 W SC LIVE	tart Time:	9:16			
Start Time: 10:14			inish Time:				
Finish Time:					-		
Purge Volume:				ne: 4.7 d	PAL		
Recharge #1		<u>Recharge</u>	<u>#1</u>		۸		
1 *	1.22	\mathcal{L}	epth to Wa	ter: 18.5	9 18.2	24	
Time Measured: 10:38 10	:40	Time Measured: 9: 35 4: 38					
Purge Event #2		Purge Eve	nt #2				
Start Time:		S	tart Time:				
Finish Time:		Finish Time:					
Purge Volume:		Purge Volume:					
Recharge #2		Recharge #2					
			epth to Wa	ıter:			
Depth to Water:			ime Measu				
Time Measured:		1	ime Measu	rea.			
	06	*** ** ** *		ers: 1.5	0.75	ź	
	.85	Well Fluid	d Paramete				
(Casing or Borehole Volum	nes)		(Casir	ng or Boreh	ole Volum	nes)	
0 1 1.5 2 2	<u>2.5</u> <u>3</u>		0 1	<u>1.5</u>	<u>2</u> <u>2</u> .	$\frac{.5}{.}$, $\frac{3}{.}$	
Time 10:14 10:22 10:26 10:30 10:	34110:38	Time 981	6 19:22	9:25 9	:28 9:3	31 19:34	
рн 6.72 6.75 6.77 6.81 6.8		pH b.b		6.54 6	.56 6.58	3 6.73	
T(°C) 17.2 17.3 17.2 17.4 17.		T (°C) 16.			0.6 17.		
Cond. 394 329 326 332 32	9 332	Cond. 54		395 4	04/42	6 432	
DO	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	DO					
Turbidity		Turbidity					
ORP	·	ORP					
Summary Data:		Summary	Data:				
Total Gallons Purged:	Total Gall	ons Purged	: 4.7 6	AL			
	Puroe dev	ice. Des	ISTAUT	70 PU	me		
Purge device: PERISTALTIC PUY	Durgo Dot	e (ml/min.)	・フクク	, , , ,			
Purge Rate (ml/min.): 800	ruige Kau			1000	anna		
Sampling Device: PERISTAUTIC	Pump	Sampling	Device: V	ERISTA	U110 P	VIIIP	
Sample Collection Time: 10:45	,			me: 9:4			
Sample Appearance: ODOR / No SH	TEN .	Sample A	ppearance:	MUDDY 0	DORISI	HEEN_	
Drums Remaining Onsite: Total	l Volume: 2	O Gals	. (Show Loc	cation on Si	ite Plan)		
2. with Remaining Ottome 1000			,		,		

FLUID-LEVEL MONITORING DATA

	20				: 4/27/09
Project/Site	e Location:	FORMER	SHEAFF	3 GARAG	E
Technician	: T.F	5930 C =PRICK	OLEGE	Instrume	ELAND CA
Boring/ Well ID	Depth to Water (feet)	Depth to Product (feet)	Product Thickness (feet)	Total Well Depth (feet)	Comments
MW - 1	7.70	NM	NM	14.85	@ 11:43
NW - 2	9.01	Belanizzi)G		20.01	@11:29
MW-3				19.13	@ 11:37 (WATER IN WELL CASING)
PW-1	8.69	V	V	20.15	@ 11:26
			-		
	>				

WELL PURGING/SAMPLING DATA

Project Number: 2014 Date: 4/27/69

Project / Site Location: FORMER SHEAFF'S GARAGE
5930 COLLEGE AVE, OAKLAND CA

Sampler/Technician:

~ map to the transfer of the t							٦.
Casing/Borehole Diameter (inches)	0.75/1.75	2/8	4/8	4/10	6/10	6/12	
Casing/Borehole Volumes (gallons/foot)	0.02/0.13	0.2/0.9	0.7/1.2	0.7/1.6	1.5/2.2	1.5/3.1	

Casing/Borehole Volumes (gallons/foot) 0.02/0.13	0.2/0.9 0.7/1.2 0.7/1.6 1.5/2.2 1.5/3.1
NASA I	ANAL A
Well No. MW-	Well No. MW-2
A. Total Well Depth B. Depth To Water C. Water Height (A-B) D. Well Casing Diameter E. Casing Volume Constant (from above table) F. Three (3) Casing or Borehole Volumes (CxEx3) G. 80% Recharge Level [B+(ExC)] III. Ft.	A. Total Well Depth B. Depth To Water C. Water Height (A-B) D. Well Casing Diameter E. Casing Volume Constant (from above table) F. Three (3) Casing or Borehole Volumes (CxEx3) G. 80% Recharge Level [B+(ExC)] 20.01 Ft.(toc) 9.01 Ft. 2 In. 6.22 6.80 Gals.
Purge Event #1 Start Time: 2:30 Finish Time: 2:64 Purge Volume: 4.5 GAL Recharge #1 Depth to Water: 8.65 8.30 Time Measured: 3:00 3:02	Purge Event #1 Start Time: 12:55 Finish Time: 1:31 Purge Volume: 6.8 GAL Recharge #1 Depth to Water: 12.90 19.32 Time Measured: 12:55 12:57
Purge Event #2 Start Time: Finish Time: Purge Volume: Recharge #2 Depth to Water: Time Measured:	Purge Event #2 Start Time: Finish Time: Purge Volume: Recharge #2 Depth to Water: Time Measured:
Well Fluid Parameters: .4	Well Fluid Parameters: 2.2 . (Casing or Borehole Volumes) 0 1 1.5 2 2.5 3 Time 2:55 1:07 1:13 1:19 1:25 1:31 pH 6.69 6.77 6.81 6.81 6.66 6.64 T (°C) 17.3 17.1 17.2 17.2 17.0 17.3 Cond. 599 576 551 524 511 508 DO Turbidity ORP
Summary Data: Total Gallons Purged: 4.5 GAL Purge device: PERISTALTIC PUMP Purge Rate (ml/min.): 800 Sampling Device: REDISTALTIC PUMP Sample Collection Time: 3:00 Sample Appearance: ODOP/NO SHEEN Drums Remaining Onsite: Total Volume:	Summary Data: Total Gallons Purged: 6,9 GAL Purge device: PEZISTALTIC PUMP Purge Rate (ml/min.): 800 Sampling Device: PEZISTALTIC PUMP Sample Collection Time: 1:00 Sample Appearance: SHEEN ODOR

WELL PURGING/SAMPLING DATA

Project Number: 2014 Date: 4/27/09 Project / Site Location: 5930 COUESE AVE
OAKLAND, CA

~							
Casing/Borehole Diameter	(inches)	0.75/1.75	2/8	4/8	4/10	6/10	6/12
Casing/Borehole Volumes (gallons/foot)	0.02/0.13	0.2/0.9	0.7/1.2	0.7/1.6	1.5/2.2	1.5/3.1

Casing/Borehole Diameter (inches)	0.75/1.75	2/8	4/8	4/10	6/10	6/12
	0.73/1.73		0.7/1.2	0.7/1.6	1.5/2.2	1.5/3.1
Casing/Borehole Volumes (gallons/foot)	0.02/0.13	0.2/0.9	0.7/1.2	0.7/1.0	1.3/2.2	1.5/5.1
		·	F 2 . b			
Well No. MW-3		Well No.	<u> </u>			
	,					
A. Total Well Depth	Ft.(toc)	A. Total W	ell Depth		20.15	
B. Depth To Water 7.19	Ft.	B. Depth T	o Water		8.69	Ft.
C. Water Height (A-B)		C. Water H	Height (A-E	3)	11.46	Ft.
D. Well Casing Diameter		D. Well Ca				In.
E. Casing Volume Constant		E. Casing	_			
(from above table) 6.2			ove table)		0.2	
	=	F. Three (3		r		
F. Three (3) Casing or Borehole Volumes (CxEx3)	Colo		e Volumes		6.88	Gale
G 900/ D 1 I I					0.00	Gais.
G. 80% Recharge Level [B+(ExC)] 4.55	. .	G. 80% Re		/ei	10.99	T'4
[B+(ExC)] 9.75	Ft.	[B+(Ex)]	C)]		ועאן_	Ft.
Purge Event #1 Start Time: 1:48 Finish Time: 2:18 Purge Volume: 7.25 SAI Recharge #1 Depth to Water: 9.83 9. Time Measured: 2:18 2:	40	Fi Pr <u>Recharge t</u> D	tart Time: inish Time: urge Volun # <u>/</u> epth to Wa	12:02 12:38 12:38 1e: 7 <i>5,</i> ter: 9.76 red: 12:3	AL O 19.4	12
Purge Event #2 Start Time: Finish Time: Purge Volume: Recharge #2 Depth to Water: Time Measured:		Pi Recharge	tart Time: inish Time: urge Volun	ne: iter:		
Well Fluid Parameters: 2.4	,2	Well Fluid	l Paramete	ers: 2.3	3 1.15	5
(Casing or Borehole Volum	-			ng or Boreh		es)
	2.5 <u>3</u>	(` .	1.5	<u>2</u> <u>2</u> .	
Time 1:49 1:58 2:08 2:08 2:08 2:08 1	3 2:18	Time 12:1 pH 6.4 T (°C) 16. Cond. 55 DO Turbidity ORP	12 12 14 4 6.62 5 15.8 7 343	12:20 1 6.60 6 15.6 19 326 3	2:26 12:3 0.38 6.3 5.7 15.	32 12:38 5 6.36 7 15.7
Summary Data:	Summary		_			
Total Gallons Purged: 7.25 GAL	Total Gallons Purged: 7 GAL					
Purge device: PERISTALTIC PUMP			STALTI	c Pump	7	
Purge Rate (ml/min.): 825	Purge Rate					
Sampling Device: PERISTAUTIC PUM			ERISTALT	76 PUA	NP	
Sample Collection Time: 0 : 0 :	11			me: 12:4		
Sample Collection Time: 2:25	,					111
Sample Appearance: SHEEN ODOG	177.1			NO 000		HEEN
Drums Remaining Onsite: Total	ıl Volume:	Gals.	(Snow Loc	atton on St	ue rian)	

ATTACHMENT B

Laboratory Certificates of Analysis and Chromatograms
Chain of Custody Records
GeoTracker Upload Confirmation Forms
EPA On-Line Tools for Site Assessment Calculation Sheets
Gettler-Ryan: Groundwater Monitoring Data and Analytical Results Table



January 27, 2009

Brent Wheeler Golden Gate Environmental 3730 Mission St San Francisco, CA 94110

TEL: (415) 686-8846

FAX

RE: GGE2014/5930 College Ave, Oakland, CA

Dear Brent Wheeler:

Order No.: 0901094

Torrent Laboratory, Inc. received 4 samples on 1/20/2009 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.

Reported data is applicable for only the samples received as part of the order number referenced above.

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

Sincerely,

Patti Sandrock_

QA Officer



TORRENT LABORATORY, INC.

483 Sinclair Frontage Road • Milpitas, CA • Phone: (408) 263-5258 • Fax: (408) 263-8293

Visit us at www.torrentlab.com email: analysis@torrentlab.com

Date Received: 1/20/2009

Lab Sample ID: 0901094-001

Date Prepared: 1/23/2009

Report prepared for: Brent Wheeler

Golden Gate Environmental **Date Reported:** 1/27/2009

Client Sample ID: MW-1

Sample Location: 5930 College Ave, Oakland, CA

Sample Matrix: GROUNDWATER **Date/Time Sampled** 1/19/2009 12:15:00 PM

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units	Analytical Batch
Benzene	SW8260B	1/23/2009	0.5	88	44.0	8830	μg/L	R18508
Toluene	SW8260B	1/23/2009	0.5	88	44.0	837	μg/L	R18508
Ethylbenzene	SW8260B	1/23/2009	0.5	88	44.0	2160	μg/L	R18508
Methyl tert-butyl ether (MTBE)	SW8260B	1/23/2009	0.5	88	44.0	143	μg/L	R18508
Diisopropyl ether (DIPE)	SW8260B	1/23/2009	0.5	88	44.0	ND	μg/L	R18508
Ethyl tert-butyl ether (ETBE)	SW8260B	1/23/2009	0.5	88	44.0	ND	μg/L	R18508
tert-Amyl methyl ether (TAME)	SW8260B	1/23/2009	0.5	88	44.0	ND	μg/L	R18508
t-Butyl alcohol (t-Butanol)	SW8260B	1/23/2009	10	88	880	ND	μg/L	R18508
Xylenes, Total	SW8260B	1/23/2009	1.5	88	132	3880	μg/L	R18508
Surr: Dibromofluoromethane	SW8260B	1/23/2009	0	88	61.2-131	97.4	%REC	R18508
Surr: 4-Bromofluorobenzene	SW8260B	1/23/2009	0	88	64.1-120	92.9	%REC	R18508
Surr: Toluene-d8	SW8260B	1/23/2009	0	88	75.1-127	110	%REC	R18508
TPH (Gasoline)	SW8260B(TPH)	1/23/2009	50	88	4400	33000	μg/L	G18508
Surr: 4-Bromofllurobenzene	SW8260B(TPH)	1/23/2009	0	88	58.4-133	83.6	%REC	G18508

Report prepared for: Brent Wheeler

Golden Gate Environmental

Date Received: 1/20/2009 **Date Reported:** 1/27/2009

MW-2

Lab Sample ID: 0901094-002

Sample Location:

Client Sample ID:

5930 College Ave, Oakland,CA

Date Prepared: 1/23/2009

Sample Matrix: Date/Time Sampled **GROUNDWATER**

1/19/2009 11:40:00 AM

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units	Analytical Batch
Benzene	SW8260B	1/23/2009	0.5	4.4	2.20	167	μg/L	R18508
Toluene	SW8260B	1/23/2009	0.5	4.4	2.20	8.49	μg/L	R18508
Ethylbenzene	SW8260B	1/23/2009	0.5	4.4	2.20	114	μg/L	R18508
Methyl tert-butyl ether (MTBE)	SW8260B	1/23/2009	0.5	4.4	2.20	90.0	μg/L	R18508
Diisopropyl ether (DIPE)	SW8260B	1/23/2009	0.5	4.4	2.20	ND	μg/L	R18508
Ethyl tert-butyl ether (ETBE)	SW8260B	1/23/2009	0.5	4.4	2.20	ND	μg/L	R18508
tert-Amyl methyl ether (TAME)	SW8260B	1/23/2009	0.5	4.4	2.20	ND	μg/L	R18508
t-Butyl alcohol (t-Butanol)	SW8260B	1/23/2009	10	4.4	44.0	ND	μg/L	R18508
Xylenes, Total	SW8260B	1/23/2009	1.5	4.4	6.60	50.3	μg/L	R18508
Surr: Dibromofluoromethane	SW8260B	1/23/2009	0	4.4	61.2-131	90.0	%REC	R18508
Surr: 4-Bromofluorobenzene	SW8260B	1/23/2009	0	4.4	64.1-120	96.7	%REC	R18508
Surr: Toluene-d8	SW8260B	1/23/2009	0	4.4	75.1-127	113	%REC	R18508
TPH (Gasoline)	SW8260B(TPH)	1/23/2009	50	4.4	220	2500	μg/L	G18508
Surr: 4-Bromofllurobenzene	SW8260B(TPH)	1/23/2009	0	4.4	58.4-133	88.8	%REC	G18508

Note: Although TPH as Gasoline constituents are present, results are elevated due to the presence of heavy-end hydrocarvbons within range of C5-C12 quantified as Gasoline (possibly aged gasoline).

Golden Gate Environmental

Date Received: 1/20/2009 **Date Reported:** 1/27/2009

Client Sample ID: MW-3

Lab Sample ID: 0901094-003

Sample Location:

5930 College Ave, Oakland,CA

Date Prepared: 1/23/2009

GROUNDWATER Sample Matrix: 1/19/2009 10:45:00 AM **Date/Time Sampled**

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units	Analytical Batch
Benzene	SW8260B	1/23/2009	0.5	4.4	2.20	148	μg/L	R18508
Toluene	SW8260B	1/23/2009	0.5	4.4	2.20	6.73	μg/L	R18508
Ethylbenzene	SW8260B	1/23/2009	0.5	4.4	2.20	24.5	μg/L	R18508
Methyl tert-butyl ether (MTBE)	SW8260B	1/23/2009	0.5	4.4	2.20	ND	μg/L	R18508
Diisopropyl ether (DIPE)	SW8260B	1/23/2009	0.5	4.4	2.20	ND	μg/L	R18508
Ethyl tert-butyl ether (ETBE)	SW8260B	1/23/2009	0.5	4.4	2.20	ND	μg/L	R18508
tert-Amyl methyl ether (TAME)	SW8260B	1/23/2009	0.5	4.4	2.20	ND	μg/L	R18508
t-Butyl alcohol (t-Butanol)	SW8260B	1/23/2009	10	4.4	44.0	ND	μg/L	R18508
Xylenes, Total	SW8260B	1/23/2009	1.5	4.4	6.60	22.1	μg/L	R18508
Surr: Dibromofluoromethane	SW8260B	1/23/2009	0	4.4	61.2-131	95.2	%REC	R18508
Surr: 4-Bromofluorobenzene	SW8260B	1/23/2009	0	4.4	64.1-120	106	%REC	R18508
Surr: Toluene-d8	SW8260B	1/23/2009	0	4.4	75.1-127	109	%REC	R18508
TPH (Gasoline)	SW8260B(TPH)	1/23/2009	50	4.4	220	3600	μg/L	G18508
Surr: 4-Bromofllurobenzene	SW8260B(TPH)	1/23/2009	0	4.4	58.4-133	92.2	%REC	G18508

Note: Although TPH as Gasoline constituents are present, results are elevated due to the presence of heavy-end hydrocarvbons within range of C5-C12 quantified as Gasoline (possibly aged gasoline).

Golden Gate Environmental

Date Received: 1/20/2009 **Date Reported:** 1/27/2009

Client Sample ID: PW-1

5930 College Ave, Oakland,CA

Sample Location: Sample Matrix:

GROUNDWATER

Date/Time Sampled

1/19/2009 9:40:00 AM

Lab Sample ID: 0901094-004 **Date Prepared:** 1/23/2009

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units	Analytical Batch
Benzene	SW8260B	1/23/2009	0.5	4.4	2.20	12.3	μg/L	R18508
Toluene	SW8260B	1/23/2009	0.5	4.4	2.20	ND	μg/L	R18508
Ethylbenzene	SW8260B	1/23/2009	0.5	4.4	2.20	30.8	μg/L	R18508
Methyl tert-butyl ether (MTBE)	SW8260B	1/23/2009	0.5	4.4	2.20	ND	μg/L	R18508
Diisopropyl ether (DIPE)	SW8260B	1/23/2009	0.5	4.4	2.20	ND	μg/L	R18508
Ethyl tert-butyl ether (ETBE)	SW8260B	1/23/2009	0.5	4.4	2.20	ND	μg/L	R18508
tert-Amyl methyl ether (TAME)	SW8260B	1/23/2009	0.5	4.4	2.20	ND	μg/L	R18508
t-Butyl alcohol (t-Butanol)	SW8260B	1/23/2009	10	4.4	44.0	ND	μg/L	R18508
Xylenes, Total	SW8260B	1/23/2009	1.5	4.4	6.60	9.20	μg/L	R18508
Surr: Dibromofluoromethane	SW8260B	1/23/2009	0	4.4	61.2-131	81.2	%REC	R18508
Surr: 4-Bromofluorobenzene	SW8260B	1/23/2009	0	4.4	64.1-120	109	%REC	R18508
Surr: Toluene-d8	SW8260B	1/23/2009	0	4.4	75.1-127	107	%REC	R18508
TPH (Gasoline)	SW8260B(TPH)	1/23/2009	50	4.4	220	1100x	μg/L	G18508
Surr: 4-Bromofllurobenzene	SW8260B(TPH)	1/23/2009	0	4.4	58.4-133	85.3	%REC	G18508

Note: x- Sample chromatogram does not resemble gasoline standard pattern. Reported value due to presence of light end non-gasoline compounds within range of C5-C12 quantified as Gasoline.

Definitions, legends and Notes

Note	Description
ug/kg	Microgram per kilogram (ppb, part per billion).
ug/L	Microgram per liter (ppb, part per billion).
mg/kg	Milligram per kilogram (ppm, part per million).
mg/L	Milligram per liter (ppm, part per million).
LCS/LCSD	Laboratory control sample/laboratory control sample duplicate.
MDL	Method detection limit.
MRL	Modified reporting limit. When sample is subject to dilution, reporting limit times dilution factor yields MRL.
MS/MSD	Matrix spike/matrix spike duplicate.
N/A	Not applicable.
ND	Not detected at or above detection limit.
NR	Not reported.
QC	Quality Control.
RL	Reporting limit.
% RPD	Percent relative difference.
а	pH was measured immediately upon the receipt of the sample, but it was still done outside the holding time.
sub	Analyzed by subcontracting laboratory, Lab Certificate #

Date: 27-Jan-09

CLIENT: Golden Gate Environmental

Work Order: 0901094

Project: GGE2014/5930 College Ave, Oakland, CA

ANALYTICAL QC SUMMARY REPORT

BatchID: G18508

TPH (Gasoline) Surr: 4-Bromofllurobenzene ND 50 227 0 0 79.2 58.4 133 Sample ID LCS-G18508 SampType: LCS TestCode: TPH_GAS_W Client ID: ZZZZZ Batch ID: G18508 TestNo: SW8260B(TP Analysis Date: 1/23/2009 SeqNo: 266397 Analyte Result PQL SPK value SPK Ref Val WREC LowLimit HighLimit RPD Ref Val WRPD RPDLimit Qua TPH (Gasoline) Surr: 4-Bromofllurobenzene 10.20 0 11.36 0 89.8 58.4 133 Sample ID LCSD-G18508 SampType: LCSD TestCode: TPH_GAS_W Units: μg/L PQL SPK value SPK Ref Val WREC LowLimit HighLimit RPD Ref Val WRPD RPDLimit Qua TPH (Gasoline) Surr: 4-Bromofllurobenzene 10.20 0 11.36 0 89.8 58.4 133 Sample ID LCSD-G18508 SampType: LCSD TestCode: TPH_GAS_W Units: μg/L Prep Date: 1/24/2009 RunNo: 18508 Client ID: ZZZZZ Batch ID: G18508 TestNo: SW8260B(TP Analysis Date: 1/24/2009 SeqNo: 266398												
Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Quarter Surri 4-Bromofillurobenzene 9.000 0 11.36 0 227 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Sample ID MB-G18508	SampType: MBLK	TestCoo	le: TPH_GAS_	_W Units: μg/L		Prep Da	te: 1/23/20	009	RunNo: 18	508	
TPH (Gasoline)	Client ID: ZZZZZ	Batch ID: G18508	TestN	lo: SW8260B (TP		Analysis Da	te: 1/23/20	009	SeqNo: 26	6393	
Surr: 4-Bromofillurobenzene 9.000 0 11.36 0 79.2 58.4 133 Sample ID LCS-G18508 SampType: LCS TestCode: TPH_GAS_W Units: µg/L Prep Date: 1/23/2009 RunNo: 18508 Client ID: ZZZZZ Batch ID: G18508 TestNo: SW8260B(TP Analysis Date: 1/23/2009 RunNo: 18508 Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual TPH (Gasoline) 187.3 50 227 0 82.5 52.4 127 124/2009 RunNo: 18508 SampType: LCSD TestCode: TPH_GAS_W Units: µg/L Prep Date: 1/24/2009 RunNo: 18508 RunNo: 18508 RunNo: 18508 SampType: LCSD TestCode: TPH_GAS_W Units: µg/L Prep Date: 1/24/2009 RunNo: 18508 SeqNo: 266398	Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Sample ID LCS-G18508 SampType: LCS TestCode: TPH_GAS_W Units: µg/L Prep Date: 1/23/2009 RunNo: 18508 SeqNo: 266397 Analyte Result PQL SPK value SPK Ref Val WREC LowLimit HighLimit RPD Ref Val WRPD RPDLimit Qual National Properties Manalysis Date: 1/24/2009 RunNo: 18508 Regult PQL SPK value SPK Ref Val WREC LowLimit HighLimit RPD Ref Val WRPD RPDLimit Qual National Properties Manalysis Date: 1/24/2009 RunNo: 18508 Regult PQL SPK value SPK Ref Val Prep Date: 1/24/2009 RunNo: 18508 RunNo: 185	TPH (Gasoline)	ND	50	227	0	0	0	0				
Client ID: ZZZZZ Batch ID: G18508 TestNex SW8260B(TP) Analysis Date: 1/23/2009 SeqNo: 266397 Analysis Date: 1/23/2009 Rep Ref Val %RPD RPDLimit Quartical Qu	Surr: 4-Bromofllurobenzene	9.000	0	11.36	0	79.2	58.4	133				
Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Quarter Surr: 4-Bromofillurobenzene 10.20 0 11.36 0 89.8 58.4 133 Sample ID LCSD-G18508 SampType: LCSD TestCode: TPH_GAS_W Units: \(\mu g/L\) Client ID: \(\mu zzzzz\) Batch ID: \(\mu fill \) G18508 TestNo: \(\mu fill \) SW8260B(TP Analysis Date: \(\mu fill \) 1/24/2009 SeqNo: \(\mu fill \) 266398 Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Quarter SPK Value SPK Ref Val %REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Quarter SPK (Gasoline) 194.3 50 227 0 85.6 52.4 127 187.3 3.67 20	Sample ID LCS-G18508	SampType: LCS	TestCoo	le: TPH_GAS_	_W Units: μg/L		Prep Da	te: 1/23/2 0	009	RunNo: 18	508	
TPH (Gasoline) 187.3 50 227 0 82.5 52.4 127 Surr: 4-Bromofllurobenzene 10.20 0 11.36 0 89.8 58.4 133 Sample ID LCSD-G18508 SampType: LCSD TestCode: TPH_GAS_W Units: µg/L Prep Date: 1/24/2009 RunNo: 18508 Client ID: ZZZZZZ Batch ID: G18508 TestNo: SW8260B(TP Analysis Date: 1/24/2009 SeqNo: 266398 Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Quarter Control of the control of th	Client ID: ZZZZZ	Batch ID: G18508	TestN	lo: SW8260B(TP		Analysis Da	te: 1/23/20	009	SeqNo: 26	6397	
Surr: 4-Bromofllurobenzene 10.20 0 11.36 0 89.8 58.4 133 Sample ID LCSD-G18508 SampType: LCSD TestCode: TPH_GAS_W Units: µg/L Prep Date: 1/24/2009 RunNo: 18508 Client ID: ZZZZZ Batch ID: G18508 TestNo: SW8260B(TP Analysis Date: 1/24/2009 1/24/2009 SeqNo: 266398 Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Quarter TPH (Gasoline) 194.3 50 227 0 85.6 52.4 127 187.3 3.67 20	Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Sample ID LCSD-G18508 SampType: LCSD TestCode: TPH_GAS_W Units: μg/L Prep Date: 1/24/2009 RunNo: 18508 Client ID: ZZZZZ Batch ID: G18508 TestNo: SW8260B(TP Analysis Date: 1/24/2009 SeqNo: 266398 Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Quarter TPH (Gasoline) 194.3 50 227 0 85.6 52.4 127 187.3 3.67 20	TPH (Gasoline)	187.3	50	227	0	82.5	52.4	127				
Client ID: ZZZZZ Batch ID: G18508 TestNo: SW8260B(TP) Analysis Date: 1/24/2009 SeqNo: 266398 Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Quarter TPH (Gasoline) 194.3 50 227 0 85.6 52.4 127 187.3 3.67 20	Surr: 4-Bromofllurobenzene	10.20	0	11.36	0	89.8	58.4	133				
Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Quarter TPH (Gasoline) 194.3 50 227 0 85.6 52.4 127 187.3 3.67 20	Sample ID LCSD-G18508	SampType: LCSD	TestCoo	le: TPH_GAS_	_W Units: μg/L		Prep Da	te: 1/24/2 0	009	RunNo: 18	508	
TPH (Gasoline) 194.3 50 227 0 85.6 52.4 127 187.3 3.67 20	Client ID: ZZZZZ	Batch ID: G18508	TestN	lo: SW8260B(TP		Analysis Da	te: 1/24/20	009	SeqNo: 26	6398	
	Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 4-Bromofllurobenzene 10.30 0 11.36 0 90.7 58.4 133 0 0 0	TPH (Gasoline)	194.3	50	227	0	85.6	52.4	127	187.3	3.67	20	
	Surr: 4-Bromofllurobenzene	10.30	0	11.36	0	90.7	58.4	133	0	0	0	

RPD outside accepted recovery limits

Analyte detected below quantitation limits

Spike Recovery outside accepted recovery limits

Page 1 of 3

Work Order: 0901094

Project:

GGE2014/5930 College Ave, Oakland, CA

ANALYTICAL QC SUMMARY REPORT

BatchID: R18508

Sample ID MB-R18508	SampType:	MBLK	TestCod	de: 8260B_W	Units: µg/L	Prep Date: 1/23/2009				RunNo: 18508		
Client ID: ZZZZZ	Batch ID:	R18508	Test	lo: SW8260B			Analysis Date	e: 1/23/2 0	009	SeqNo: 266	6339	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene		ND	0.500									
Diisopropyl ether (DIPE)		ND	0.500									
Ethyl tert-butyl ether (ETBE)		ND	0.500									
Ethylbenzene		ND	0.500									
Methyl tert-butyl ether (MTBE)		ND	0.500									
t-Butyl alcohol (t-Butanol)		ND	5.00									
tert-Amyl methyl ether (TAME)		ND	0.500									
Toluene		ND	0.500									
Xylenes, Total		ND	1.50									
Surr: Dibromofluoromethane		11.27	0	11.36	0	99.2	61.2	131				
Surr: 4-Bromofluorobenzene		11.05	0	11.36	0	97.3	64.1	120				
Surr: Toluene-d8		12.82	0	11.36	0	113	75.1	127				
Sample ID LCS-R18508	SampType:	LCS	TestCod	de: 8260B_W	Units: µg/L		Prep Date	e: 1/23/2 0	009	RunNo: 18	508	
Client ID: ZZZZZ	Batch ID:	R18508	TestN	lo: SW8260B			Analysis Date	e: 1/23/2 0	009	SeqNo: 26 6	6343	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene		18.50	0.500	17.04	0	109	66.9	140				
Toluene		17.82	0.500	17.04	0	105	76.6	123				
Surr: Dibromofluoromethane		10.78	0	11.36	0	94.9	61.2	131				
Surr: 4-Bromofluorobenzene		11.42	0	11.36	0	101	64.1	120				
Surr: Toluene-d8		12.26	0	11.36	0	108	75.1	127				
Sample ID LCSD-R18508	SampType:	LCSD	TestCod	de: 8260B_W	Units: µg/L		Prep Date	e: 1/23/2 0	009	RunNo: 18	508	
Client ID: ZZZZZ	Batch ID:	R18508	TestN	lo: SW8260B			Analysis Date	e: 1/23/2 0	009	SeqNo: 266	6345	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene		19.45	0.500	17.04	0	114	66.9	140	18.5	5.01	20	
Toluene		17.72	0.500	17.04	0	104	76.6	123	17.82	0.563	20	
			_	44.00	•		04.0	404	•	•	_	
Surr: Dibromofluoromethane		10.87	0	11.36	0	95.7	61.2	131	0	0	0	

Qualifiers: Value above quantitation range

ND Not Detected at the Reporting Limit

Holding times for preparation or analysis exceeded

RPD outside accepted recovery limits

Analyte detected below quantitation limits

Spike Recovery outside accepted recovery limits

Page 2 of 3

Work Order: 0901094

Project:

ANALYTICAL QC SUMMARY REPORT

GGE2014/5930 College Ave, Oakland, CA

BatchID: R18508

Sample ID LCSD-R18508	SampType: LCSD	TestCode:	8260B_W	Units: µg/L		Prep Da	te: 1/23/20	09	RunNo: 18	508	
Client ID: ZZZZZ	Batch ID: R18508	TestNo:	SW8260B			Analysis Da	te: 1/23/20	09	SeqNo: 260	6345	
Analyte	Result	PQL S	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Toluene-d8	12.35	0	11.36	0	109	75.1	127	0	0	0	

RPD outside accepted recovery limits



483 Sinclair Frontage Road Milpitas, CA 95035 Phone: 408.263.5258 FAX: 408.263.8293

www.torrentlab.com

CHAIN OF CUSTODY

	AB WORK ORDER NO	
0	901094	

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

Company Name: (company Name: Golden Gate Environmental, Inc.				Locat	Location of Sampling: 5930 College Avenue, Oakland, CA									
Address: 3730 Mi	ssion Street		, ,			ose: 1(
City: San Francisc	co St	ate: CA	Zip Code	94110	Spec	ial Instru	ctions /	Comm	ents:	Please I	Provid	e EDF F	Report	per Geo	otracker,
Telephone: 415-97	0-9088 FAX	: 415-970-9089			Glob	al ID #1	Г06001	02112					-1	Pr. Gco	Macket,
REPORT TO: Bren	t A. Wheeler	SAMPLER: T. Fer	rick		P.O.	#: GG	E2014			E	MAIL:	b.whee	ler@g	gtr.com	
TURNAROUND TIM	≣;	SAMPLE TYPE	:	REPORT F	ORMAT:	3									
7 Work Days	3 Work Days Noon - Noon	10 Marta 18/atas	Air Other	QC Level DF Excel / E		S, BTEX, OXY	EPA \$260B				ļ.		·		ANALYSIS REQUESTED
LAB ID CLIE	NT'S SAMPLE I.D.	DATE / TIME SAMPLED	MATRIX		CONT TYPE	GAS,	by 1							-	REMARKS
SOIA MW-1		1/19/04 - 12:15	GW						e e					+	
002 A MW-2	./	1/19/09 - 1/240	GW			1			**						
003A MW-3		1/19/09 - 10:45	GW			1						-			
90 4A PW-1		1/14/04 - 9:40	GW			1									
	2 8									-			-		
					· · · · · · · · · · · · · · · · · · ·		····								
												-			
	·				······································										
	······································														
	· · · · · · · · · · · · · · · · · · ·												-		
1 Relinquished By	(, (0.0) (-)	2121 C/C Date:	9/09	Time:	ZOPM	Receive	d By:	Tone		Print:	 Orc	Da	te: 1/2	_ <u></u> ()	Time: 10 (30)
Relinquished By	e Print:		0	Time: 12141	·	Receive	d By: G. G.	hooles	ara,	Print:	VIN/	Dar			Time: 12:41 pm
	ived in Good Condition?	Yes 🔲 NO Sa	amples on lo	ce? 🖳 Yes	☐ NO	Method	of Shipm	ent	liga	zees	1				Yes NO N/A
NOTE: Samples Log In By:	are discarded by the lab	oratory 30 days from dat	e of receipt	unless other a _og In Review	arrange	-ments	are mad	e. ´	Ο,	_ Date:		-		Page	of
	•		,			-									



May 05, 2009

Brent Wheeler Golden Gate Environmental 3730 Mission St San Francisco, CA 94110

TEL: (415) 686-8846

FAX

RE: GGE 2014/5930 College Ave, Oakland

Dear Brent Wheeler:

Wheeler:

Order No.: 0904167

Torrent Laboratory, Inc. received 4 samples on 4/28/2009 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.

Reported data is applicable for only the samples received as part of the order number referenced above.

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

Sincerely,

Laboratory Director

Date

Patti Sandrock
OA Officer



TPH (Gasoline)

Surr: 4-Bromofllurobenzene

TORRENT LABORATORY, INC.

483 Sinclair Frontage Road • Milpitas, CA • Phone: (408) 263-5258 • Fax: (408) 263-8293

Visit us at www.torrentlab.com email: analysis@torrentlab.com

Date Received: 4/28/2009

Lab Sample ID: 0904167-001

Date Prepared: 4/30/2009

Report prepared for: Brent Wheeler

Golden Gate Environmental **Date Reported:** 5/5/2009

Client Sample ID: MW-1

Sample Location: 5930 College Ave, Oakland

Sample Matrix: GROUNDWATER **Date/Time Sampled** 4/27/2009 3:00:00 PM

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units	Analytical Batch
Benzene	SW8260B	4/30/2009	0.5	88	44	8500	μg/L	F19443
Toluene	SW8260B	4/30/2009	0.5	88	44	2100	μg/L	F19443
Ethylbenzene	SW8260B	4/30/2009	0.5	88	44	2300	μg/L	F19443
Methyl tert-butyl ether (MTBE)	SW8260B	4/30/2009	0.5	88	44	53	μg/L	F19443
Diisopropyl ether (DIPE)	SW8260B	4/30/2009	0.5	88	44	ND	μg/L	F19443
Ethyl tert-butyl ether (ETBE)	SW8260B	4/30/2009	0.5	88	44	ND	μg/L	F19443
tert-Amyl methyl ether (TAME)	SW8260B	4/30/2009	0.5	88	44	ND	μg/L	F19443
t-Butyl alcohol (t-Butanol)	SW8260B	4/30/2009	10	88	880	ND	μg/L	F19443
Xylenes, Total	SW8260B	4/30/2009	1.5	88	130	11000	μg/L	F19443
Surr: Dibromofluoromethane	SW8260B	4/30/2009	0	88	61.2-131	86.8	%REC	F19443
Surr: 4-Bromofluorobenzene	SW8260B	4/30/2009	0	88	64.1-120	104	%REC	F19443
Surr: Toluene-d8	SW8260B	4/30/2009	0	88	75.1-127	95.1	%REC	F19443

50

0

88

88

4400

58.4-133

75000

88.8

μg/L

%REC

G19443

G19443

4/30/2009

4/30/2009

SW8260B(TPH)

SW8260B(TPH)

Golden Gate Environmental

Date Received: 4/28/2009

Date Reported: 5/5/2009

Client Sample ID: MW-2

Sample Location: 5930 College Ave,Oakland

Sample Matrix: GROUNDWATER **Date/Time Sampled** 4/27/2009 1:00:00 PM

Lab Sample ID: 0904167-002 **Date Prepared:** 5/1/2009

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units	Analytical Batch
Benzene	SW8260B	5/1/2009	0.5	44	22	1700	μg/L	R19439
Toluene	SW8260B	5/1/2009	0.5	44	22	130	μg/L	R19439
Ethylbenzene	SW8260B	5/1/2009	0.5	44	22	1100	μg/L	R19439
Methyl tert-butyl ether (MTBE)	SW8260B	5/1/2009	0.5	44	22	ND	μg/L	R19439
Diisopropyl ether (DIPE)	SW8260B	5/1/2009	0.5	44	22	ND	μg/L	R19439
Ethyl tert-butyl ether (ETBE)	SW8260B	5/1/2009	0.5	44	22	ND	μg/L	R19439
tert-Amyl methyl ether (TAME)	SW8260B	5/1/2009	0.5	44	22	ND	μg/L	R19439
t-Butyl alcohol (t-Butanol)	SW8260B	5/1/2009	10	44	440	ND	μg/L	R19439
Xylenes, Total	SW8260B	5/1/2009	1.5	44	66	1800	μg/L	R19439
Surr: Dibromofluoromethane	SW8260B	5/1/2009	0	44	61.2-131	98.0	%REC	R19439
Surr: 4-Bromofluorobenzene	SW8260B	5/1/2009	0	44	64.1-120	88.5	%REC	R19439
Surr: Toluene-d8	SW8260B	5/1/2009	0	44	75.1-127	95.1	%REC	R19439
TPH (Gasoline)	SW8260B(TPH)	5/1/2009	50	44	2200	21000	μg/L	R19439
Surr: 4-Bromofllurobenzene	SW8260B(TPH)	5/1/2009	0	44	58.4-133	87.9	%REC	R19439

Golden Gate Environmental

Date Received: 4/28/2009 **Date Reported:** 5/5/2009

MW-3 **Client Sample ID:**

Sample Location: 5930 College Ave, Oakland

Sample Matrix: GROUNDWATER Date/Time Sampled 4/27/2009 2:25:00 PM **Lab Sample ID:** 0904167-003 **Date Prepared:** 4/30/2009

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units	Analytical Batch
Benzene	SW8260B	4/30/2009	0.5	4.4	2.2	370	μg/L	F19443
Toluene	SW8260B	4/30/2009	0.5	4.4	2.2	12	μg/L	F19443
Ethylbenzene	SW8260B	4/30/2009	0.5	4.4	2.2	82	μg/L	F19443
Methyl tert-butyl ether (MTBE)	SW8260B	4/30/2009	0.5	4.4	2.2	8.8	μg/L	F19443
Diisopropyl ether (DIPE)	SW8260B	4/30/2009	0.5	4.4	2.2	ND	μg/L	F19443
Ethyl tert-butyl ether (ETBE)	SW8260B	4/30/2009	0.5	4.4	2.2	ND	μg/L	F19443
tert-Amyl methyl ether (TAME)	SW8260B	4/30/2009	0.5	4.4	2.2	ND	μg/L	F19443
t-Butyl alcohol (t-Butanol)	SW8260B	4/30/2009	10	4.4	44	ND	μg/L	F19443
Xylenes, Total	SW8260B	4/30/2009	1.5	4.4	6.6	84	μg/L	F19443
Surr: Dibromofluoromethane	SW8260B	4/30/2009	0	4.4	61.2-131	97.9	%REC	F19443
Surr: 4-Bromofluorobenzene	SW8260B	4/30/2009	0	4.4	64.1-120	83.5	%REC	F19443
Surr: Toluene-d8	SW8260B	4/30/2009	0	4.4	75.1-127	99.0	%REC	F19443
TPH (Gasoline)	SW8260B(TPH)	4/30/2009	50	4.4	220	5800	μg/L	G19443
Surr: 4-Bromofllurobenzene	SW8260B(TPH)	4/30/2009	0	4.4	58.4-133	93.1	%REC	G19443

Golden Gate Environmental

Date Received: 4/28/2009 **Date Reported:** 5/5/2009

Client Sample ID: PW-1

Sample Location:

5930 College Ave,Oakland

Sample Matrix: GROUNDWATER **Date/Time Sampled** 4/27/2009 12:45:00 PM

Lab Sample ID: 0904167-004

Date Prepared: 4/30/2009

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units	Analytical Batch
1,1,1,2-Tetrachloroethane	SW8260B	4/30/2009	1	1	1.0	ND	μg/L	F19443
1,1,1-Trichloroethane	SW8260B	4/30/2009	0.5	1	0.50	ND	μg/L	F19443
1,1,2,2-Tetrachloroethane	SW8260B	4/30/2009	1	1	1.0	ND	μg/L	F19443
1,1,2-Trichloroethane	SW8260B	4/30/2009	0.5	1	0.50	ND	μg/L	F19443
1,1-Dichloroethane	SW8260B	4/30/2009	0.5	1	0.50	ND	μg/L	F19443
1,1-Dichloroethene	SW8260B	4/30/2009	1	1	1.0	ND	μg/L	F19443
1,1-Dichloropropene	SW8260B	4/30/2009	0.5	1	0.50	ND	μg/L	F19443
1,2,3-Trichlorobenzene	SW8260B	4/30/2009	1	1	1.0	ND	μg/L	F19443
1,2,3-Trichloropropane	SW8260B	4/30/2009	1	1	1.0	ND	μg/L	F19443
1,2,4-Trichlorobenzene	SW8260B	4/30/2009	1	1	1.0	ND	μg/L	F19443
1,2,4-Trimethylbenzene	SW8260B	4/30/2009	0.5	1	0.50	16	μg/L	F19443
1,2-Dibromo-3-chloropropane	SW8260B	4/30/2009	0.5	1	0.50	ND	μg/L	F19443
1,2-Dibromoethane (EDB)	SW8260B	4/30/2009	0.5	1	0.50	ND	μg/L	F19443
1,2-Dichlorobenzene	SW8260B	4/30/2009	0.5	1	0.50	ND	μg/L	F19443
1,2-Dichloroethane (EDC)	SW8260B	4/30/2009	0.5	1	0.50	ND	μg/L	F19443
1,2-Dichloropropane	SW8260B	4/30/2009	1	1	1.0	ND	μg/L	F19443
1,3,5-Trimethylbenzene	SW8260B	4/30/2009	0.5	1	0.50	3.4	μg/L	F19443
1,3-Dichlorobenzene	SW8260B	4/30/2009	0.5	1	0.50	ND	μg/L	F19443
1,3-Dichloropropene	SW8260B	4/30/2009	0.5	1	0.50	ND	μg/L	F19443
,4-Dichlorobenzene	SW8260B	4/30/2009	0.5	1	0.50	ND	μg/L	F19443
2,2-Dichloropropane	SW8260B	4/30/2009	0.5	1	0.50	ND	μg/L	F19443
2-Chloroethyl vinyl ether	SW8260B	4/30/2009	6	1	6.0	ND	μg/L	F19443
2-Chlorotoluene	SW8260B	4/30/2009	0.5	1	0.50	ND	μg/L	F19443
4-Chlorotoluene	SW8260B	4/30/2009	0.5	1	0.50	ND	μg/L	F19443
4-Isopropyltoluene	SW8260B	4/30/2009	0.5	1	0.50	ND	μg/L	F19443
Acetone	SW8260B	4/30/2009	10	1	10	ND	μg/L	F19443
Benzene	SW8260B	4/30/2009	0.5	1	0.50	2.7	μg/L	F19443
Bromobenzene	SW8260B	4/30/2009	0.5	1	0.50	ND	μg/L	F19443
Bromochloromethane	SW8260B	4/30/2009	0.5	1	0.50	ND	μg/L	F19443
Bromodichloromethane	SW8260B	4/30/2009	0.5	1	0.50	ND	μg/L	F19443
Bromoform	SW8260B	4/30/2009	1	1	1.0	ND	μg/L	F19443
Bromomethane	SW8260B	4/30/2009	1	1	1.0	ND	μg/L	F19443
Carbon tetrachloride	SW8260B	4/30/2009	1	1	1.0	ND	μg/L	F19443
Chlorobenzene	SW8260B	4/30/2009	0.5	1	0.50	ND	μg/L	F19443
Chloroform	SW8260B	4/30/2009	0.5	1	0.50	ND	μg/L	F19443
Chloromethane	SW8260B	4/30/2009	0.5	1	0.50	ND	μg/L	F19443
cis-1,2-Dichloroethene	SW8260B	4/30/2009	0.5	1	0.50	4.0	μg/L	F19443
cis-1,3-Dichloropropene	SW8260B	4/30/2009	0.5	1	0.50	ND	μg/L	F19443
Dibromochloromethane	SW8260B	4/30/2009	0.5	1	0.50	ND	μg/L	F19443
Dibromomethane	SW8260B	4/30/2009	0.5	1	0.50	ND	μg/L	F19443
Dichlorodifluoromethane	SW8260B	4/30/2009	0.5	1	0.50	ND	μg/L	F19443
Diisopropyl ether (DIPE)	SW8260B	4/30/2009	0.5	1	0.50	ND	μg/L	F19443
Ethyl tert-butyl ether (ETBE)	SW8260B	4/30/2009	0.5	1	0.50	ND	μg/L	F19443

Golden Gate Environmental

Date Received: 4/28/2009 **Date Reported:** 5/5/2009

Client Sample ID: PW-1

Sample Location: 5930 College Ave,Oakland

Sample Matrix: GROUNDWATER **Date/Time Sampled** 4/27/2009 12:45:00 PM

Lab Sample ID: 0904167-004 **Date Prepared:** 4/30/2009

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units	Analytical Batch
Ethylbenzene	SW8260B	4/30/2009	0.5	1	0.50	12	μg/L	F19443
Freon-113	SW8260B	4/30/2009	1	1	1.0	ND	μg/L	F19443
Hexachlorobutadiene	SW8260B	4/30/2009	0.5	1	0.50	ND	μg/L	F19443
Isopropylbenzene	SW8260B	4/30/2009	1	1	1.0	1.2	μg/L	F19443
Methyl tert-butyl ether (MTBE)	SW8260B	4/30/2009	0.5	1	0.50	ND	μg/L	F19443
Methylene chloride	SW8260B	4/30/2009	5	1	5.0	ND	μg/L	F19443
Naphthalene	SW8260B	4/30/2009	1	1	1.0	ND	μg/L	F19443
n-Butylbenzene	SW8260B	4/30/2009	0.5	1	0.50	ND	μg/L	F19443
n-Propylbenzene	SW8260B	4/30/2009	0.5	1	0.50	3.3	μg/L	F19443
sec-Butylbenzene	SW8260B	4/30/2009	0.5	1	0.50	ND	μg/L	F19443
Styrene	SW8260B	4/30/2009	0.5	1	0.50	ND	μg/L	F19443
t-Butyl alcohol (t-Butanol)	SW8260B	4/30/2009	5	1	5.0	ND	μg/L	F19443
tert-Amyl methyl ether (TAME)	SW8260B	4/30/2009	0.5	1	0.50	ND	μg/L	F19443
tert-Butylbenzene	SW8260B	4/30/2009	0.5	1	0.50	ND	μg/L	F19443
Tetrachloroethene	SW8260B	4/30/2009	0.5	1	0.50	120	μg/L	F19443
Toluene	SW8260B	4/30/2009	0.5	1	0.50	ND	μg/L	F19443
trans-1,2-Dichloroethene	SW8260B	4/30/2009	0.5	1	0.50	ND	μg/L	F19443
trans-1,3-Dichloropropene	SW8260B	4/30/2009	0.5	1	0.50	ND	μg/L	F19443
Trichloroethene	SW8260B	4/30/2009	0.5	1	0.50	1.4	μg/L	F19443
Trichlorofluoromethane	SW8260B	4/30/2009	0.5	1	0.50	ND	μg/L	F19443
Vinyl chloride	SW8260B	4/30/2009	0.5	1	0.50	ND	μg/L	F19443
Xylenes, Total	SW8260B	4/30/2009	1.5	1	1.5	18	μg/L	F19443
Surr: Dibromofluoromethane	SW8260B	4/30/2009	0	1	61.2-131	76.1	%REC	F19443
Surr: 4-Bromofluorobenzene	SW8260B	4/30/2009	0	1	64.1-120	82.4	%REC	F19443
Surr: Toluene-d8	SW8260B	4/30/2009	0	1	75.1-127	90.2	%REC	F19443
TPH (Gasoline)	SW8260B(TPH)	4/30/2009	50	1	50	360	μg/L	G19443
Surr: 4-Bromofllurobenzene	SW8260B(TPH)	4/30/2009	0	1	58.4-133	89.7	%REC	G19443

Note:Although TPH gasoline compounds are present, reported value is elevated due to discrete peak (PCE) within C5-C12 range quantified as Gasoline.

Definitions, legends and Notes

Note	Description
ug/kg	Microgram per kilogram (ppb, part per billion).
ug/L	Microgram per liter (ppb, part per billion).
mg/kg	Milligram per kilogram (ppm, part per million).
mg/L	Milligram per liter (ppm, part per million).
LCS/LCSD	Laboratory control sample/laboratory control sample duplicate.
MDL	Method detection limit.
MRL	Modified reporting limit. When sample is subject to dilution, reporting limit times dilution factor yields MRL.
MS/MSD	Matrix spike/matrix spike duplicate.
N/A	Not applicable.
ND	Not detected at or above detection limit.
NR	Not reported.
QC	Quality Control.
RL	Reporting limit.
% RPD	Percent relative difference.
а	pH was measured immediately upon the receipt of the sample, but it was still done outside the holding time.
sub	Analyzed by subcontracting laboratory, Lab Certificate #

Date: 05-May-09

CLIENT: Golden Gate Environmental

Work Order: 0904167

Project: GGE 2014/5930 College Ave, Oakland

ANALYTICAL QC SUMMARY REPORT

BatchID: F19443

Sample ID MB-F19443	SampType: MBLK	TestCode: 8260B_	W Units: μg/L	Prep D	Date: 4/30/2009	RunNo: 19443	
Client ID: ZZZZZ	Batch ID: F19443	TestNo: SW826	ОВ	Analysis D	Date: 4/30/2009	SeqNo: 281047	
Analyte	Result	PQL SPK valu	e SPK Ref Val	%REC LowLimi	t HighLimit RPD Ref Val	%RPD RPDLimit	Qual
Analyte			e SFR Rei vai	/orlo LowLilli	T HIGHEITHE KED KEI VAI	/0KFD KFDLIIIII	Quai
1,1,1,2-Tetrachloroethane	ND	1.0					
1,1,1-Trichloroethane	ND	0.50					
1,1,2,2-Tetrachloroethane	ND	1.0					
1,1,2-Trichloroethane	ND	0.50					
1,1-Dichloroethane	ND	0.50					
1,1-Dichloroethene	ND	1.0					
1,1-Dichloropropene	ND	0.50					
1,2,3-Trichlorobenzene	ND	1.0					
1,2,3-Trichloropropane	ND	1.0					
1,2,4-Trichlorobenzene	ND	1.0					
1,2,4-Trimethylbenzene	ND	0.50					
1,2-Dibromo-3-chloropropane	ND	0.50					
1,2-Dibromoethane (EDB)	ND	0.50					
1,2-Dichlorobenzene	ND	0.50					
1,2-Dichloroethane (EDC)	ND	0.50					
1,2-Dichloropropane	ND	1.0					
1,3,5-Trimethylbenzene	ND	0.50					
1,3-Dichlorobenzene	ND	0.50					
1,4-Dichlorobenzene	ND	0.50					
2,2-Dichloropropane	ND	0.50					
2-Chloroethyl vinyl ether	ND	6.0					
2-Chlorotoluene	ND	0.50					
4-Chlorotoluene	ND	0.50					
4-Isopropyltoluene	ND	0.50					
Acetone	ND	10					
Benzene	ND	0.50					
Bromobenzene	ND	0.50					
Bromochloromethane	ND	0.50					
Bromodichloromethane	ND	0.50					
Bromoform	ND	1.0					

Qualifiers:

Value above quantitation range

ND Not Detected at the Reporting Limit

Holding times for preparation or analysis exceeded

RPD outside accepted recovery limits

Analyte detected below quantitation limits

Spike Recovery outside accepted recovery limits

Page 1 of 7

Work Order: 0904167 ANALYTICAL QC SUMMARY REPORT

BatchID: F19443

Project: GGE 2014/5930 College Ave, Oakland

Sample ID MB-F19443	SampType: MBLK	TestCode: 8260B_V	V Units: μg/L	Prep Date: 4/30/2009	RunNo: 19443
Client ID: ZZZZZ	Batch ID: F19443	TestNo: SW8260	3	Analysis Date: 4/30/2009	SeqNo: 281047
Analyte	Result	PQL SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val	%RPD RPDLimit Qual
Bromomethane	ND	1.0			
Carbon tetrachloride	ND	1.0			
Chlorobenzene	ND	0.50			
Chloroform	ND	0.50			
Chloromethane	ND	0.50			
cis-1,2-Dichloroethene	ND	0.50			
cis-1,3-Dichloropropene	ND	0.50			
Dibromochloromethane	ND	0.50			
Dibromomethane	ND	0.50			
Dichlorodifluoromethane	ND	0.50			
Diisopropyl ether (DIPE)	ND	0.50			
Ethyl tert-butyl ether (ETBE)	ND	0.50			
Ethylbenzene	ND	0.50			
Freon-113	ND	1.0			
Hexachlorobutadiene	ND	0.50			
Isopropylbenzene	ND	1.0			
Methyl tert-butyl ether (MTBE)	ND	0.50			
Methylene chloride	ND	5.0			
Naphthalene	ND	1.0			
n-Butylbenzene	ND	0.50			
n-Propylbenzene	ND	0.50			
sec-Butylbenzene	ND	0.50			
Styrene	ND	0.50			
t-Butyl alcohol (t-Butanol)	ND	5.0			
tert-Amyl methyl ether (TAME)	ND	0.50			
tert-Butylbenzene	ND	0.50			
Tetrachloroethene	ND	0.50			
Toluene	ND	0.50			
trans-1,2-Dichloroethene	ND	0.50			
trans-1,3-Dichloropropene	ND	0.50			
Trichloroethene	ND	0.50			

Value above quantitation range Qualifiers:

ND Not Detected at the Reporting Limit

Holding times for preparation or analysis exceeded

RPD outside accepted recovery limits

Analyte detected below quantitation limits

Spike Recovery outside accepted recovery limits

Page 2 of 7

Work Order: 0904167

Project: GGE 2014/5930 College Ave, Oakland

ANALYTICAL QC SUMMARY REPORT

BatchID: F19443

Sample ID MB-F19443	SampType: MBLK	TestCo	de: 8260B_W	Units: µg/L	Prep Date: 4/30/2009			RunNo: 19443			
Client ID: ZZZZZ	Batch ID: F19443	Test	No: SW8260B			Analysis Da	te: 4/30/2 0	009	SeqNo: 281	047	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Trichlorofluoromethane	ND	0.50									
Vinyl chloride	ND	0.50									
Xylenes, Total	ND	1.5									
Surr: Dibromofluoromethane	12.07	0	11.36	0	106	61.2	131				
Surr: 4-Bromofluorobenzene	9.180	0	11.36	0	80.8	64.1	120				
Surr: Toluene-d8	9.820	0	11.36	0	86.4	75.1	127				
Sample ID LCS-F19443	SampType: LCS	TestCo	de: 8260B_W	Units: µg/L		Prep Dat	te: 4/30/2 0	009	RunNo: 194	143	
Client ID: ZZZZZ	Batch ID: F19443	TestN	No: SW8260B			Analysis Da	te: 4/30/2 0	009	SeqNo: 281	048	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	14.99	1.0	17.04	0	88.0	61.4	129				
Benzene	15.23	0.50	17.04	0	89.4	66.9	140				
Chlorobenzene	14.42	0.50	17.04	0	84.6	73.9	137				
Toluene	16.23	0.50	17.04	0	95.2	76.6	123				
Trichloroethene	14.83	0.50	17.04	0	87.0	69.3	144				
Surr: Dibromofluoromethane	13.37	0	11.36	0	118	61.2	131				
Surr: 4-Bromofluorobenzene	11.25	0	11.36	0	99.0	64.1	120				
Surr: Toluene-d8	11.59	0	11.36	0	102	75.1	127				
Sample ID LCSD-F19443	SampType: LCSD	TestCo	de: 8260B_W	Units: µg/L		Prep Dat	te: 4/30/2 0	009	RunNo: 194	143	
Client ID: ZZZZZ	Batch ID: F19443	TestN	No: SW8260B			Analysis Da	te: 4/30/2 0	009	SeqNo: 281	049	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	15.02	1.0	17.04	0	88.1	61.4	129	14.99	0.200	20	
Benzene	15.21	0.50	17.04	0	89.3	66.9	140	15.23	0.131	20	
Chlorobenzene	14.81	0.50	17.04	0	86.9	73.9	137	14.42	2.67	20	
Toluene	15.93	0.50	17.04	0	93.5	76.6	123	16.23	1.87	20	
Trichloroethene	14.66	0.50	17.04	0	86.0	69.3	144	14.83	1.15	20	
Surr: Dibromofluoromethane	12.77	0	11.36	0	112	61.2	131	0	0	0	
Surr: 4-Bromofluorobenzene	11.79	0	11.36	0	104	64.1	120	0	0	0	

Qualifiers: Value above quantitation range

ND Not Detected at the Reporting Limit

Holding times for preparation or analysis exceeded

RPD outside accepted recovery limits

Analyte detected below quantitation limits

Spike Recovery outside accepted recovery limits

Page 3 of 7

Work Order: 0904167 ANALYTICAL QC SUMMARY REPORT

F19443

Project:	GGE 2014/ 5930 College Ave,Oakland	BatchID:
----------	------------------------------------	----------

Sample ID LCSD-F19443	SampType: LCSD	TestCode: 8260E	_W Units: μg/L		Prep Da	te: 4/30/2 0	009	RunNo: 194	443	
Client ID: ZZZZZ	Batch ID: F19443	TestNo: SW82	60B		Analysis Da	te: 4/30/2 0	009	SeqNo: 28	1049	
Analyte	Result	PQL SPK va	ue SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Toluene-d8	11.92	0 11	36 0	105	75.1	127	0	0	0	

RPD outside accepted recovery limits

Work Order: 0904167

Project: GGE 2014/5930 College Ave, Oakland

ANALYTICAL QC SUMMARY REPORT

BatchID: G19443

Sample ID MB-G19443	SampType: MBLK	TestCode: TPH_G	AS_W Units: µg/L		Prep Dat	e: 4/30/20	09	RunNo: 194	443	
Client ID: ZZZZZ	Batch ID: G19443	TestNo: SW826	Analysis Date: 4/30/2009				SeqNo: 280983			
Analyte	Result	PQL SPK valu	e SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Gasoline) Surr: 4-Bromofllurobenzene	ND 8.400	50 0 11.3	6 0	73.9	58.4	133				
Sample ID LCS-G19443	SampType: LCS	TestCode: TPH_G	AS_W Units: µg/L		Prep Dat	e: 4/29/20	009	RunNo: 194	443	
Client ID: ZZZZZ	Batch ID: G19443	TestNo: SW826	0B(TP		Analysis Dat	e: 4/29/20	009	SeqNo: 280	0984	
Analyte	Result	PQL SPK valu	e SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Gasoline)	244.8	50 22	7 0	108	52.4	127				
Surr: 4-Bromofllurobenzene	11.40	0 11.3	6 0	100	58.4	133				
Sample ID LCSD-G19443	SampType: LCSD	TestCode: TPH_G	AS_W Units: µg/L		Prep Dat	e: 4/30/20	09	RunNo: 194	443	
Client ID: ZZZZZ	Batch ID: G19443	TestNo: SW826	0B(TP		Analysis Dat	e: 4/30/20	009	SeqNo: 280	0985	
Analyte	Result	PQL SPK valu	e SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Gasoline)	222.5	50 22	7 0	98.0	52.4	127	244.8	9.54	20	
Surr: 4-Bromofllurobenzene	11.40	0 11.3	6 0	100	58.4	133	0	0	0	

Value above quantitation range Qualifiers:

ND Not Detected at the Reporting Limit

Holding times for preparation or analysis exceeded

RPD outside accepted recovery limits

Analyte detected below quantitation limits

Spike Recovery outside accepted recovery limits

Page 5 of 7

Work Order: 0904167 ANALYTICAL QC SUMMARY REPORT

BatchID: R19439

Project: GGE 2014/5930 College Ave, Oakland

Sample ID MB-R19439	SampType: I	MBLK	TestCoo	de: 8260B_W	_PE Units: μg/L		Prep Dat	te: 5/1/20 0	9	RunNo: 194	439	
Client ID: ZZZZZ	Batch ID:	R19439	TestN	lo: SW8260B			Analysis Dat	te: 5/1/20 0	9	SeqNo: 280	0926	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene		ND	0.50									
Toluene		ND	0.50									
Ethylbenzene		ND	0.50									
Methyl tert-butyl ether (MTBE)		ND	0.50									
Diisopropyl ether (DIPE)		ND	0.50									
Ethyl tert-butyl ether (ETBE)		ND	0.50									
ert-Amyl methyl ether (TAME)		ND	0.50									
t-Butyl alcohol (t-Butanol)		ND	10									
Xylenes, Total		ND	1.5									
Surr: Dibromofluoromethane		12.49	0	11.36	0	110	61.2	131				
Surr: 4-Bromofluorobenzene		11.35	0	11.36	0	99.9	64.1	120				
Surr: Toluene-d8		9.010	0	11.36	0	79.3	75.1	127				
Sample ID LCS-R19439	SampType:	LCS	TestCoo	de: 8260B_W	_PE Units: μg/L		Prep Dat	te: 5/1/20 0	9	RunNo: 194	439	
Client ID: ZZZZZ	Batch ID:	R19439	TestN	lo: SW8260B			Analysis Dat	te: 5/1/20 0	9	SeqNo: 280	0927	
	Batch ID:	R19439 Result	TestN PQL		SPK Ref Val	%REC	•		RPD Ref Val	SeqNo: 28 0 %RPD	0927 RPDLimit	Qual
Analyte	Batch ID:						•			·		Qual
Analyte Benzene	Batch ID:	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit		·		Qual
Analyte Benzene	Batch ID:	Result	PQL 0.50	SPK value	SPK Ref Val	%REC 91.8	LowLimit 66.9	HighLimit		·		Qual
Analyte Benzene Toluene	Batch ID:	15.65 14.85	PQL 0.50 0.50	SPK value 17.04 17.04	SPK Ref Val 0 0	%REC 91.8 87.1	LowLimit 66.9 76.6	HighLimit 140 123		·		Qual
Analyte Benzene Foluene Surr: Dibromofluoromethane	Batch ID:	15.65 14.85 12.26	PQL 0.50 0.50 0	SPK value 17.04 17.04 11.36	SPK Ref Val 0 0 0	%REC 91.8 87.1 108	LowLimit 66.9 76.6 61.2	HighLimit 140 123 131		·		Qual
Surr: 4-Bromofluorobenzene	Batch ID:	Result 15.65 14.85 12.26 11.84 10.00	PQL 0.50 0.50 0 0	17.04 17.04 11.36 11.36 11.36	SPK Ref Val 0 0 0 0 0 0 0	%REC 91.8 87.1 108 104	LowLimit 66.9 76.6 61.2 64.1	HighLimit 140 123 131 120 127	RPD Ref Val	·	RPDLimit	Qual
Analyte Benzene Toluene Surr: Dibromofluoromethane Surr: 4-Bromofluorobenzene Surr: Toluene-d8		Result 15.65 14.85 12.26 11.84 10.00	PQL 0.50 0.50 0 0 0	17.04 17.04 11.36 11.36 11.36	SPK Ref Val	%REC 91.8 87.1 108 104 88.0	66.9 76.6 61.2 64.1 75.1	HighLimit 140 123 131 120 127	RPD Ref Val	%RPD	RPDLimit	Qual
Analyte Benzene Toluene Surr: Dibromofluoromethane Surr: 4-Bromofluorobenzene Surr: Toluene-d8 Sample ID LCSD-R19439	SampType:	Result 15.65 14.85 12.26 11.84 10.00	PQL 0.50 0.50 0 0 0	SPK value 17.04 17.04 11.36 11.36 11.36 de: 8260B_W	SPK Ref Val	%REC 91.8 87.1 108 104 88.0	LowLimit 66.9 76.6 61.2 64.1 75.1 Prep Dat Analysis Dat	HighLimit 140 123 131 120 127 re: 5/1/200 re: 5/1/200	RPD Ref Val	%RPD	RPDLimit	Qual
Analyte Benzene Toluene Surr: Dibromofluoromethane Surr: 4-Bromofluorobenzene Surr: Toluene-d8 Sample ID LCSD-R19439 Client ID: ZZZZZ	SampType:	Result 15.65 14.85 12.26 11.84 10.00 LCSD R19439	PQL 0.50 0.50 0 0 TestCoc	SPK value 17.04 17.04 11.36 11.36 11.36 de: 8260B_W	SPK Ref Val 0 0 0 0 0 0 0 - Example 19	%REC 91.8 87.1 108 104 88.0	LowLimit 66.9 76.6 61.2 64.1 75.1 Prep Dat Analysis Dat	HighLimit 140 123 131 120 127 re: 5/1/200 re: 5/1/200	RPD Ref Val	RunNo: 194 SeqNo: 286	RPDLimit 439 0928	
Analyte Benzene Toluene Surr: Dibromofluoromethane Surr: 4-Bromofluorobenzene Surr: Toluene-d8 Sample ID LCSD-R19439 Client ID: ZZZZZ Analyte	SampType:	Result 15.65 14.85 12.26 11.84 10.00 LCSD R19439 Result	PQL 0.50 0.50 0 0 TestCoc TestN PQL	17.04 17.04 11.36 11.36 11.36 de: 8260B_W do: SW8260B	SPK Ref Val 0 0 0 0 0 0 PE Units: μg/L	%REC 91.8 87.1 108 104 88.0	LowLimit 66.9 76.6 61.2 64.1 75.1 Prep Dat Analysis Dat LowLimit	HighLimit 140 123 131 120 127 de: 5/1/200 HighLimit	RPD Ref Val	RunNo: 194 SeqNo: 286 %RPD	RPDLimit 439 0928 RPDLimit	
Analyte Benzene Toluene Surr: Dibromofluoromethane Surr: 4-Bromofluorobenzene Surr: Toluene-d8 Sample ID LCSD-R19439 Client ID: ZZZZZ Analyte Benzene	SampType:	Result 15.65 14.85 12.26 11.84 10.00 LCSD R19439 Result 17.41	PQL 0.50 0.50 0 0 TestCoc TestN PQL 0.50	SPK value 17.04 17.04 11.36 11.36 11.36 de: 8260B_W lo: SW8260B SPK value 17.04	SPK Ref Val 0 0 0 0 0 0 PE Units: μg/L SPK Ref Val 0	%REC 91.8 87.1 108 104 88.0 %REC	LowLimit 66.9 76.6 61.2 64.1 75.1 Prep Dat Analysis Dat LowLimit 66.9	HighLimit 140 123 131 120 127 de: 5/1/200 HighLimit 140	RPD Ref Val 99 RPD Ref Val 15.65	%RPD RunNo: 194 SeqNo: 286 %RPD 10.6	RPDLimit 439 0928 RPDLimit 20	

Qualifiers: Value above quantitation range

ND Not Detected at the Reporting Limit

Holding times for preparation or analysis exceeded

RPD outside accepted recovery limits

Analyte detected below quantitation limits

Spike Recovery outside accepted recovery limits

Page 6 of 7

Work Order: 0904167

BatchID: R19439 **Project:** GGE 2014/5930 College Ave, Oakland

Sample ID LCSD-R19439 Client ID: ZZZZZ	SampType: LCSD Batch ID: R19439	TestCode: 8260B_W_PE Units: μg/L TestNo: SW8260B			Prep Date: 5/1/2009 Analysis Date: 5/1/2009				RunNo: 19439 SeqNo: 280928		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Toluene-d8	9.680	0	11.36	0	85.2	75.1	127	0	0	0	

ANALYTICAL QC SUMMARY REPORT



483 Sinclair Frontage Road Milpitas, CA 95035 Phone: 408.263.5258 RESET FAX: 408.263.8293



CHAIN OF CUSTODY

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

LAB WORK ORDER NO

	LABORATORY, INC	 www.torrentlab.cor 	n 💆			and the second		II. etnisékan	3131 L	a stranditiin .	3	# 1 1 h					
Company	Name: Golden Gate En	vironmental, Inc.			Loca	tion of S	ampling	g: 5930) Colle	ge Aver	ue, Oa	kland					
Address: .	3730 Mission Street				Purpo	ose: 1si	t Quar	ter 200	9 GW	M							
City: San	Francisco	State: CA	Zip Code	94110	Spec	ial Instru	ctions	Comn	nents:	Global	ID: T0	600102	2112. F	ield Po	int ID=Sampl	e ID	
Telephone	e: 415-970-9088 F	AX: 415-970-9089												,			
REPORT T	O: Brent Wheeler	SAMPLER: Tom	Ferrick		P.O.	P.O. #: GGE 2014 EMAIL: b.wheeler@ggtr.com											
TURNARO	UND TIME:	SAMPLE TYPE	:	REPORT	ORMAT:								-				-
10 Work 7 Work D 5 Work D	<u> </u>	Hours Waste Water Ground Water	Air Other	QC Level / EDF		TPH-G, BTEX	Fuel Oxygenates	Cs (Full List)	and the second		:					YSIS ESTED	
LAB ID	CLIENT'S SAMPLE I.D.	DATE / TIME SAMPLED	MATRIX	# OF CONT	CONT TYPE	TPF	Fue	VOCs							REMA	RKS	
001A	MW-1	042709/1500	GW	3	Voa	✓	✓										
002A	MW-2	042709/1300	GW	3	Voa	✓	✓										
003 A	MW-3	042709/1425	GW	3	Voa	✓	✓	,	÷								
004A	PW-1	042709/1245	GW	3	Voa	✓		✓		·							
					,,			***************************************			***************************************						
											•		1				
	•																
												`.					
							1				. /			, 1			
15		Date:	3-09	Time:	:5	Receiv	ed By:	B	100	Print	(C/1 QD)	HP W	Date:	KSK	Time?	5]
2 Restoriu	is bod By Bray	Date:	240	Time:	o pm	Receiv	ed By: 「らい	de		Print: F	70		Date.	28	74 Time:	: 10 pm	_
Were Samp	ples Received in Good Condition	? Yes No S	samples on lo	ce? 📝 Yes		Method	of Ship	ment_	Lus	perc	L.	s	ample s	eals inta	ct? Yes	NO 🗹 N/A	
NOTE: San	The state of the s	laboratory 30 days from da	1				s are ma	ade.					_		ge <u>1 </u>	of _1	
Log In By:		Date:		Log In Revie	wed By: _			·		Dat	te:	Pi.	Spe	الصع			

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 - Monitoring Report - Quarterly

Submittal Title:

1st Quarter 2009 - Groundwater Monitoring Sample Results (1/19/09)

Facility Global ID:

T0600102112

Facility Name: File Name:

SHEAFFS SERVICE GARAGE 2014_1Q09 GWM_EDF.zip

Organization Name:

Golden Gate Tank Removal

Username:

GGTR

IP Address:

75.55.192.158

Submittal Date/Time:

6/25/2009 10:58:14 AM

Confirmation Number:

1264840245

VIEW QC REPORT

VIEW DETECTIONS REPORT

Copyright © 2008 State of California

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 - Monitoring Report - Quarterly

Submittal Title:

2nd Quarter 2009 - Groundwater Monitoring Sample Results (4/27/09)

Facility Global ID:

T0600102112

Facility Name: File Name:

SHEAFFS SERVICE GARAGE 2014_2Q09 GWM_EDF.zip

Organization Name:

Golden Gate Tank Removal

Username:

GGTR

IP Address:

75.55.192.158

Submittal Date/Time:

6/25/2009 12:29:16 PM

Confirmation Number:

8009911954

VIEW QC REPORT

VIEW DETECTIONS REPORT

Copyright © 2008 State of California

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

Submittal Title:

1st & 2nd Quarters 2009 - Groundwater Monitoring Data

Facility Global ID:

T0600102112

Facility Name:

SHEAFFS SERVICE GARAGE

File Name:

GEO_WELL.zip

Organization Name:

Golden Gate Tank Removal

Username:

GGTR

IP Address:

75.55.192.158

Submittal Date/Time:

6/25/2009 11:17:38 AM

Confirmation Number:

9798470616

Copyright © 2008 State of California



http://www.epa.gov/athens/learn2model/part-two/onsite/gradient4plus-ns.html Last updated on Tuesday, February 24th, 2009.

Ecosystems Research Division

You are here: <u>EPA Home</u> <u>athens</u> <u>learn2model</u> <u>part-two</u> <u>onsite</u> EPA On-line Tools for Site Assessment Calculation

EPA On-line Tools for Site Assessment Calculation

Module Home Objectives Table of Contents Previous < Next >

Hydraulic Gradient

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

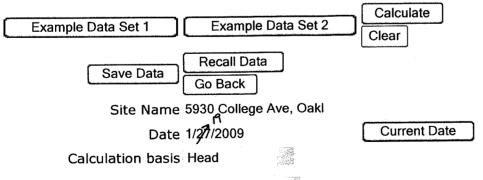
$$a x_1 + b y_1 + c = h_1$$

 $a x_2 + b y_2 + c = h_2$
 $a x_3 + b y_3 + c = h_3$
 $a x_{15} + b y_{15} + c = h_{15}$

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

i=1,2,3,4,5,6,7,8,9,10,11,12,13,14,15The 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



Coordinates ft

I.D.	x-coordinate	y-coordinate	head ft
MW-1	6055822.91	2135878.96	184.99
MW-3	6055818.98	2135842.80	184.93

2135914.96

6055924.91

PW-1

185.06

Number of Points Used in Calculation 3 Max. Difference Between Head Values 0.03962 0.001651 Gradient Magnitude (i) Flow direction as degrees from North (positive y axis) 183.6 Coefficient of Determination (R²) Previous Top ^ Next Home | Glossary | Notation | Links | References | Calculators

WCMS



http://www.epa.gov/athens/learn2model/part-two/onsite/gradient4plus-ns.html Last updated on Tuesday, February 24th, 2009.

Ecosystems Research Division

You are here: <u>EPA Home athens</u> <u>learn2model part-two</u> onsite EPA On-line Tools for Site Assessment Calculation

EPA On-line Tools for Site Assessment Calculation

Module Home Objectives Table of Contents Previous < Next >

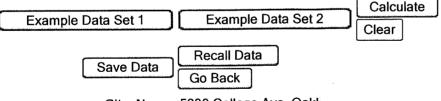
Hydraulic Gradient

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

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

i=1,2,3,4,5,6,7,8,9,10,11,12,13,14,15The 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



Site Name 5930 College Ave, Oakl

Date 4/27/09

Current Date

Calculation basis Head

Coordinates ft

I.D.	x-coordinate	y-coordinate	head ft
MW-1	6055822.91	2135878.96	188.2
MW-3	6055818.98	2135842.80	188.07

PW-1

6055924.91

2135914.96

188.48

Number of Points Used in Calculation 3

Max. Difference Between Head Values 0.1250

Gradient Magnitude (i) 0.003756

Flow direction as degrees from North (positive y axis) 204.1

Coefficient of Determination (R²) 1.00

Previous Top ^ Next

Home | Glossary | Notation | Links | References | Calculators

WCMS

Table 1
Groundwater Monitoring Data and Analytical Results

Former Chevron Service Station #209339 5940 College Avenue Oakland, California

WELL ID/	TOC*	DTW	GWE	TPH-GRO	B B	T	E	X	MTBE
DATE	(ft.)	(ft.)	GWE (msl)	1PH-GRO (μg/L)	Β (μg/L)	1 (μg/L)	Ε (μg/L)	λ (μg/L)	M1BE (μg/L)
	(11.)	(11.)	(mst)	(μg/L)	(μg/L)	(μg/L)	(μg/L)	(μg/L)	$(\mu g/L)$
MW-1									
01/03/01	196.91	12.75	184.16	9301	2.9	6.9	2.7	7.6	$14/<2.0^3$
04/25/01	196.91	9.23	187.68	2104	2.0	1.5	2.0	3.3	$5.3/<2.0^3$
07/09/01	196.91	11.86	185.05	290^{5}	1.8	2.0	2.5	0.96	<2.5
06/08/00	196.91	13.49	183.42	200	< 0.50	< 0.50	< 0.50	<1.5	<2.5
01/13/02	196.91	7.33	189.58	< 50	< 0.50	< 0.50	< 0.50	< 0.50	<2.5
04/08/02	196.91	7.45	189.46	670	< 0.50	<2.0	<1.0	5.6	<2.5
10/15/02	196.91	13.68	183.23	260	0.62	0.82	< 0.50	<1.5	
04/15/03	196.91	6.82	190.09	1,700	1.3	< 5.0	<2.0	< 5.0	
10/31/03	196.91	13.72	183.19	150	<2.0	0.7	<2.0	< 5.0	
04/23/04	196.91	9.02	187.89	< 50	< 0.5	< 0.5	< 0.5	<1.5	
10/22/04	196.91	11.50	185.41	63	< 0.5	< 0.5	< 0.5	<1.5	
04/14/05	196.91	7.11	189.80	< 50	< 0.5	< 0.5	< 0.5	<1.5	
10/14/05	196.91	11.90	185.01	160	< 0.5	< 0.5	0.6	< 5.0	
04/14/06	196.91	6.95	189.96	< 50	< 0.5	< 0.5	< 0.5	<1.5	
10/26/06	196.91	11.68	185.23	< 50	< 0.5	< 0.5	< 0.5	<1.5	
04/13/07 ⁶	196.91	10.71	186.20	1,200	3.4	< 5.0	2.1	<20	
10/22/07	196.91	13.75	183.16	< 50	< 0.5	< 0.5	< 0.5	<1.5	
04/21/08	196.91	9.95	186.96	120	< 0.5	< 0.5	< 0.5	<1.5	
10/15/08	196.91	14.30	182.61	< 50	< 0.5	< 0.5	< 0.5	<1.5	
04/15/09	196.91	9.20	187.71	<50	<0.5	<0.5	<0.5	<1.5	
MW-2									
01/03/01	197.35	12.48	184.87	$2,100^2$	110	11	63	25	83/2.2 ³
04/25/01	197.35	8.90	188.45	1,700 ⁴	150	12	30	15	$150/<2.0^3$
07/09/01	197.35	11.44	185.91	$2,500^5$	200	21	55	26	<50
04/08/02	197.35	13.37	183.98	4,200	87	2.8	29	9.8	<2.5
01/13/02	197.35	6.55	190.80	410	20	2.9	<2.5	4.4	$27/<2.0^3$
04/08/02	197.35	8.37	188.98	4,000	70	1.7	17	17	<2.5
10/15/02	197.35	13.00	184.35	3,100	41	2.2	16	<6.0	
04/15/03	197.35	7.58	189.77	2,400	37	<2.5	12	<7.5	
10/31/03	197.35	13.02	184.33	2,300	12	3.4	4.8	<7.5	
04/23/04	197.35	8.38	188.97	960	8.9	1.0	2.4	<1.5	
10/22/04	197.35	11.41	185.94	2,200	24	<2.5	4.1	<10	
1 3/ 22/ UT	171.33	11.71	103.77	2,200	-2-7	\L.J	7.1	\10	

Table 1
Groundwater Monitoring Data and Analytical Results

Former Chevron Service Station #209339 5940 College Avenue Oakland, California

WELL ID/	TOC*	DTW	GWE	TPH-GRO	В	T	E	X	MTBE
DATE	(ft.)	(ft.)	(msl)	$(\mu g/L)$	$(\mu g/L)$				
MW-2 (cont)									
04/14/05	197.35	6.69	190.66	640	2.1	< 2.0	< 2.0	7.5	
10/14/05	197.35	11.14	186.21	1,200	6.9	<2.5	<2.5	<7.5	
04/14/06	197.35	6.54	190.81	180	< 0.5	< 0.5	< 0.5	< 5.0	
10/26/06	197.35	11.02	186.33	550	< 2.0	0.5	< 2.0	<10	
04/13/07 ⁶	197.35	9.95	187.40	< 50	< 0.5	< 0.5	< 0.5	<1.5	
10/22/07	197.35	12.63	184.72	3,200	12	< 5.0	4.7	<20	
04/21/08	197.35	9.31	188.04	860	1.0	< 2.07	< 2.07	<10 ⁷	
10/15/08	197.35	13.71	183.64	480	1.3	0.8	1.1	< 5.0 ⁸	
04/15/09	197.35	8.79	188.56	370	0.7	1.3	0.9	6.5	
TRIP BLANK									
TB-LB									
01/03/01				< 50	< 0.50	< 0.50	< 0.50	< 0.50	<2.5
04/25/01				< 50	< 0.50	< 0.50	< 0.50	< 0.50	<2.5
07/09/01				< 50	< 0.50	< 0.50	< 0.50	< 0.50	<2.5
QA									
10/08/01				< 50	< 0.50	< 0.50	< 0.50	<1.5	<2.5
01/13/02				< 50	< 0.50	< 0.50	< 0.50	< 0.50	<2.5
04/08/02				< 50	< 0.50	< 0.50	< 0.50	<1.5	<2.5
10/15/02				< 50	< 0.50	< 0.50	< 0.50	<1.5	
04/15/03				< 50	< 0.5	< 0.5	< 0.5	<1.5	
10/31/03				< 50	< 0.5	< 0.5	< 0.5	<1.5	
04/23/04				< 50	< 0.5	< 0.5	< 0.5	<1.5	
10/22/04				< 50	< 0.5	< 0.5	< 0.5	<1.5	
04/14/05				< 50	< 0.5	< 0.5	< 0.5	<1.5	
10/14/05				< 50	< 0.5	< 0.5	< 0.5	<1.5	
04/14/06				< 50	< 0.5	< 0.5	< 0.5	<1.5	
10/26/06				< 50	< 0.5	< 0.5	< 0.5	<1.5	
04/13/07				< 50	< 0.5	< 0.5	< 0.5	<1.5	
10/22/07				< 50	< 0.5	< 0.5	< 0.5	<1.5	

Table 1 Groundwater Monitoring Data and Analytical Results

Former Chevron Service Station #209339 5940 College Avenue Oakland, California

WELL ID/	TOC*	DTW	GWE (msl)	TPH-GRO (μg/L)	Β (μg/L)	Τ (μg/L)	Ε (μg/L)	$egin{array}{c} { m X} \ (\mu g/L) \end{array}$	MTBE (μg/L)
DATE (ft.)	(ft.)	(ft.)							
QA (cont)									
04/21/08				< 50	< 0.5	< 0.5	< 0.5	<1.5	
10/15/08				< 50	< 0.5	< 0.5	< 0.5	<1.5	
04/15/09				< 50	< 0.5	< 0.5	< 0.5	<1.5	

Table 1

Groundwater Monitoring Data and Analytical Results

Former Chevron Service Station #209339 5940 College Avenue Oakland, California

EXPLANATIONS:

 $TOC = Top ext{ of Casing}$ $TPH = Total ext{ Petroleum Hydrocarbons}$ X = Xylenes (ft.) = Feet $GRO = Gasoline ext{ Range Organics}$ $MTBE = Methyl ext{ Tertiary Butyl Ether}$

 $DTW = Depth \ to \ Water \\ GWE = Groundwater \ Elevation \\ (msl) = Mean \ sea \ level \\ E = Ethylbenzene \\ (msl) = Mean \ sea \ level \\ (msl) = Mean \ sea \ le$

- * TOC elevations were surveyed on December 27, 2000, by Virgil Chavez Land Surveying. The benchmark used for the survey was a 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).
- Laboratory report indicates unidentified hydrocarbons C6-C12.
- ² Laboratory report indicates gasoline C6-C12.
- MTBE by EPA Method 8260.
- Laboratory report indicates gasoline C6-C12 + unidentified hydrocarbons < C6.
- ⁵ Laboratory report indicates gasoline C6-C12 + unidentified hydrocarbons C6-C12.
- 6 Current laboratory analytical results do not coincide with historical data, although the laboratory results were confirmed.
- Laboratory report indicates that due to the presence of interferent near their retention time, normal reporting limits were not attained for toluene, ethylbenzene, and total xylenes. The presence or concentration of these compounds cannot be determined below the reporting limits due to the presence of these interferents.
- Laboratory report indicates that due to the presence of an interferent near its retention time, the normal reporting limit was not attained for total xylenes. The presence or concentration of this compound cannot be determined due to the presence of this interferent.