MAILED 1/30/17

January 16, 2017

Mr. Mark Detterman, P.G., C.E.G.
Alameda County Health Care Services Agency
Environmental Health Services
Environmental Protection
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577

RE: Groundwater Monitoring Report - 4th Quarter 2016

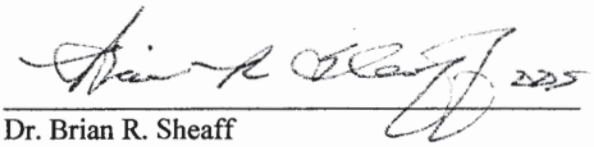
SITE: Sheaff's Garage
5930 College Avenue, Oakland, California
ACHCSA Fuel Leak Case No. RO0000377
WGE Project 2016106

Dear Mr. Detterman:

Upon my authorization, Wheeler Group Environmental, LLC has prepared the attached *Groundwater Monitoring Report* for the semi-annual groundwater monitoring and sampling activities conducted during the 4th Quarter 2016 at the above-referenced property on November 21, 2016. WGE has uploaded an electronic copy of the document to the State Water Resources Control Board's GeoTracker Database System, as well as the Alameda County Health Care Services Agency FTP Site. Should you have any questions, please contact Mr. Brent Wheeler, Principal/Manager of Wheeler Group Environmental, LLC at (415) 686-8846.

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

Respectfully Submitted,



Dr. Brian R. Sheaff
William G. Sheaff & Patricia Warren Restated Living Trust U/D/T 2/14/89

Distribution: (1) Addressee

GROUNDWATER MONITORING REPORT
4th Quarter 2016

Sheaff's Garage
5930 College Avenue
Oakland, CA 94618

Alameda County Fuel Leak Case No. RO0000377

Sampling Date: November 21, 2016
Report Date: January 16, 2017

Prepared For:

William G. Sheaff & Patricia Warren Restated Living Trust U/D/T 2/14/89

Dr. Brian R. Sheaff, D.D.S.
1945 Parkside Drive
Concord, CA 94519

Prepared by:

Wheeler Group Environmental, LLC
369-B Third Street, Suite #221, San Rafael, CA 94901
Phone: 415-686-8846

WGE Project No. 2016106

STATEMENT OF PROFESSIONAL CERTIFICATION

Document Title: 4th Quarter 2016 Groundwater Monitoring Report

Location: Commercial Property
5930 College Avenue, Oakland, California
Alameda County Fuel Leak Case No. RO0000377

Wheeler Group Environmental, LLC has prepared this document for the subject property in accordance with our proposal and signed contract utilizing methods and procedures that meet or exceed industry professional standards in effect at the time of this work.

The California Geologist and Geophysicist Act (Business and Professions Code sections 7800-7887) requires that all geologic plans, specifications, reports, or documents shall be prepared by a professional geologist or registered specialty geologist, or by a subordinate employee under his or her direction. In addition, the document shall be signed by the professional geologist or registered specialty geologist or stamped with his or her seal, either of which shall indicate his or her responsibility for them. This document was prepared and signed by a "professional geologist" in accordance with California Business and Professions Code Section 7835.

Date: January 16, 2017

Brent A. Wheeler
Principal & Manager

Mark Youngkin
Professional Geologist No. 3888

PROFESSIONAL GEOLOGIST
MARK T. YOUNGKIN
NUMBER 3888
Expires
4-30-2017
STATE OF CALIFORNIA

Wheeler Group Environmental, LLC

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Phone: 415-686-8846

GROUNDWATER MONITORING REPORT

5930 College Avenue, Oakland, CA

CONTENTS

GROUNDWATER MONITORING REPORT
4th Quarter 2016

Commercial Property

5930 College Avenue, Oakland, California

ACHCSA Fuel Leak Case No. RO0000377

INTRODUCTION

Wheeler Group Environmental, LLC (WGE) presents the results of the 4th Quarter 2016 groundwater monitoring and sampling event conducted on November 21, 2016, at 5930 College Avenue in Oakland, California (the Site). The Alameda County Environmental Health (ACEH) Agency has designated the Site as Fuel Leak Case No. RO000377 and requires semi-annual groundwater monitoring and sampling as part of an ongoing Leaking Underground Storage Tank (LUST) cleanup investigation. Figure 1 presents a Site Location Map. Figure 2 titled Site Vicinity Map and Figure 3 titled Site Plan depict the pertinent features of the Site and adjacent properties along with the associated land use. Figure 4 titled Groundwater Data Diagram shows the groundwater flow direction for the most recent 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) in piezometer PW-1. Documentation of the monitoring, sampling and laboratory procedures are presented in the attachments.

SITE LOCATION

The Site is a commercial property 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 0.2 mile (1,000 feet) north of Highway 24 and about two miles east of Interstate 80 and the San Francisco Bay. The elevation of the Site is approximately 195 feet above Mean Sea Level. The property is relatively flat lying with the local topographic relief directed toward the west-southwest in the general direction of the San Francisco Bay as shown on Figure 1, Site Location Map. The topographic map of Figure 1 depicts the area of the subject property as dense urban development. Figure 2, Site Vicinity Map, shows the mixed-use commercial-residential character of the surrounding neighborhood. Commercial-retail corridors are located along main thoroughfares such as College Avenue with residential neighborhoods situated between the business corridors. Harwood Creek is located in an underground box conduit about one block to the south of the Site with a flood water cutoff box conduit adjoining the Site in College Avenue.

SITE DESCRIPTION

The property is currently 100% occupied by Stauder Automotive Service for the maintenance and repair of automobiles. Figure 3, Site Plan, shows features of the subject property.

Posted Site Address:	5930 College Avenue, Oakland, CA
Site Location:	Rockridge / Fairview Park
County:	Alameda
Assessor's Parcel No.	14-1266-60
Description:	Commercial repair garage
Use code:	8100
Building Type:	single-story industrial-style building
Building size:	Approximately 4,125 square feet
Lot Size:	Approximately 5,500 square feet
Date of Construction	1952
Basement:	None
Foundation:	Concrete slab on grade
HVAC:	Natural gas
Source of Water:	Municipal
Sewage Disposal:	Municipal
Solid Waste Disposal:	Municipal
Utilities:	Municipal water, electricity, natural gas and sewer infrastructure is provided to the area by utility district
Primary Access:	Driveway from College Avenue
Number of Occupants:	1 - Stauder Automotive Services

The subject building is a small single-story industrial-style building constructed in 1952. The subject property is approximately 5,500 square feet in area with about 75% utilized by the garage building and 25% used as an exterior paved storage yard and parking lot. Two underground storage tanks (UST) were formerly located beneath the sidewalk at the southwest corner of the Site on the College Avenue frontage. One 675-gallon gasoline and one 340-gallon waste oil UST were removed in August 1996 from the sidewalk. Product piping was removed from beneath sidewalk and former dispenser location in late 2002. No active USTs, fuel storage, or fuel distribution system currently exist onsite. Most of the building consists of an open work area with a small enclosed office. The property is completely paved with the building constructed on a concrete slab and surrounded by concrete sidewalk and asphalt-paved rear parking area.

A commercial-residential building is adjacent to the Site on the south with address of 5916-20 College Avenue. This building contains a parking garage and a retail store (T-Mobile) on the ground floor and 12 apartments on three upper floors. To the south and east of the Site is an older single-family residential neighborhood with residence backyards adjoining the Site's rear paved parking area. The surface channel of Harwood Branch creek is located within residential backyards about one block east and up-gradient of the Site. On the west, an Alameda County Flood Control District cutoff storm water conduit (90"

diameter) associated with Harwood Branch creek is located beneath College Avenue. A church and retail shopping building occur across College Avenue to the west.

The adjacent property to the north was formerly occupied by Chevron Service Station #209339 from 1938 to 1968. Former station facilities consisted of four USTs, one dispenser island, station building and a garage-service building. The station was replaced by a parking lot until redeveloped with a multi-tenant commercial-retail structure in 1978-1979 named College Square. College Square is currently occupied by a restaurant (Barclays Restaurant & Pub) and office space (5940 College Avenue). This commercial development's ground floor retail space and parking garage are approximately 3-4 feet below the grade of the subject property. Conestoga-Rovers & Associates (CRA; Emeryville, CA) and Gettler-Ryan, Inc. (GR; Dublin, CA) conducted a separate groundwater investigation of the former Chevron Station utilizing two groundwater monitoring wells (GR-MW1 & GR-MW2) to evaluate the potential contamination in groundwater.

From April 2002 through October 2012, CRA / Gettler-Ryan monitored and sampled wells GR-MW1 & GR-MW2 on a biannual basis. Chevron performed additional investigation and submitted data gap and case closure request documents in 2013-2014. The ACEH submitted its Remedial Action Completion Certification & Case Closure Summary for the adjoining site on December 12, 2014. Both monitor wells were destroyed in October 2015 as a condition for case closure. Figures 2 and 3 show the location of each former CRA / Gettler-Ryan well relative to the monitor wells on the subject property.

GROUNDWATER MONITORING & SAMPLING

The scope of work for the 4th Quarter 2016 groundwater monitoring and sampling event included the following:

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

On November 21, 2016, WGE in conjunction with Dysert Environmental, Inc. (DEI) monitored and sampled wells MW-1, MW-2, MW-3 and piezometer PW-1.

Scope/Sequence of Work Activities

Prior to purging and sampling, DEI removed the well cover and locking compression cap and allowed the water in each well column to stabilize for a minimum of 20 minutes. DEI then measured and recorded the depth to product/groundwater using a Keck electronic oil/water interface meter. Fluid levels were measured relative to the north side of the top of each well casing to the nearest 0.01 foot. No floating petroleum product was detected at the Site. A mild odor of petroleum or gasoline was noted in well MW-2. The DEI field sheet for well MW-1 does not mention odor, however, WGE assumes that a strong odor of

gasoline was present in the borehole for well MW-1. Groundwater depths ranged from 10.13 in well MW-3 to 11.75 feet below grade in well MW-2.

DEI subsequently purged groundwater from the monitor wells using a peristaltic pump (average flow rate at 200 milliliters per minute), and simultaneously monitored and recorded the pH, temperature, and specific conductivity of the purged well water. DEI terminated well purging after evacuation of approximately 1.8 to 2.4 liters of water from each well and three successive readings of each parameter varied by less than 0.1, 10%, and 3%, respectively. DEI transferred the purge water directly to a 55-gallon, D.O.T.-approved steel drum.

After the groundwater in each well recharged sufficiently to allow sample collection (at least 80% of initial depth to water), DEI recovered a groundwater sample using a peristaltic pump with dedicated tubing lowered just below the last measured groundwater level. The groundwater sample was collected from the discharge end of the dedicated tubing into pre-cleaned, laboratory-provided sample containers. The sample containers were sealed with Teflon caps and all volatile organic analysis (VOA) vials were inverted and checked to insure that no entrapped air was present. The samples were properly labeled and stored in a cooler chilled to approximately 4ºC. Attachment A contains a copy of the Fluid-Level Monitoring Data Form and Well Purging/Sampling Data Sheets for this event.

Waste Management

The well purge and equipment wash and rinse water generated during this event was transferred directly to a D.O.T.-approved, 55-gallon drum, appropriately labeled and sealed, and temporarily stored onsite in a secure area for use with future groundwater monitoring/investigation work.

Water Sample Analytical Methods

On November 22, 2016, DEI submitted all groundwater samples under formal chain of custody command to Torrent Laboratory, Inc., a State-certified analytical laboratory (CA ELAP #1991) in Milpitas, California, for laboratory analysis of the following fuel constituents:

- Total Petroleum Hydrocarbons (TPH) as Gasoline by Method 8260TPH
- TPH as Diesel by Method SW8015B with/without Silica Gel Cleanup
- Naphthalene by Method SW8260B
- Benzene Toluene, Ethylbenzene and Total Xylenes (BTEX) by Method SW8260B
- Methyl Tertiary Butyl Ether (MTBE), Tertiary Butyl Alcohol (TBA), 1,2-Dibromoethane (EDB), 1,2-Dichlorooethane (EDC) by Method SW8260B
- Volatile Organic Compounds (Full List) by Method SW8260B

Tables 1 and 2 attached present a summary of the analytical results for the sampling event as well as previous monitoring/sampling events at the Site. Attachment B includes a copy of the Laboratory Certificate of Analysis and associated Chain of Custody Record for this event.

Torrent released their certified analytical report on December 1, 2016. Torrent completed all volatile organic analyses within the 14-day required time limit for analysis. Torrent reported that no issues were encountered with the receiving, preparation, analysis or reporting of the results associated with the submitted samples. WGE 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.

GeoTracker Database Submittal

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

Groundwater Monitoring Results

For the November 21, 2016 event, the groundwater elevations calculated relative to the top of well casing in wells MW-1, MW-3 and PW-1 ranged between 185.09 (MW-3) and 185.85 (PW-1) feet, as referenced to Mean Sea Level (MSL), a range of 0.76 feet. The groundwater elevation and coordinate data for each monitoring event was entered into the EPA On-Line Tools for Site Assessment Calculation, Hydraulic Gradient – Magnitude and Direction. This tool calculates gradient by a least-squares fitting of the data to a plane and used to calculate the approximate groundwater hydraulic gradient and flow direction across the Site. The attached Figure 4, titled Groundwater Data Diagram-November 2016 shows the groundwater data for the subject monitoring event. The EPA On-Line Tools for Site Assessment Calculation sheet is included in Attachment B.

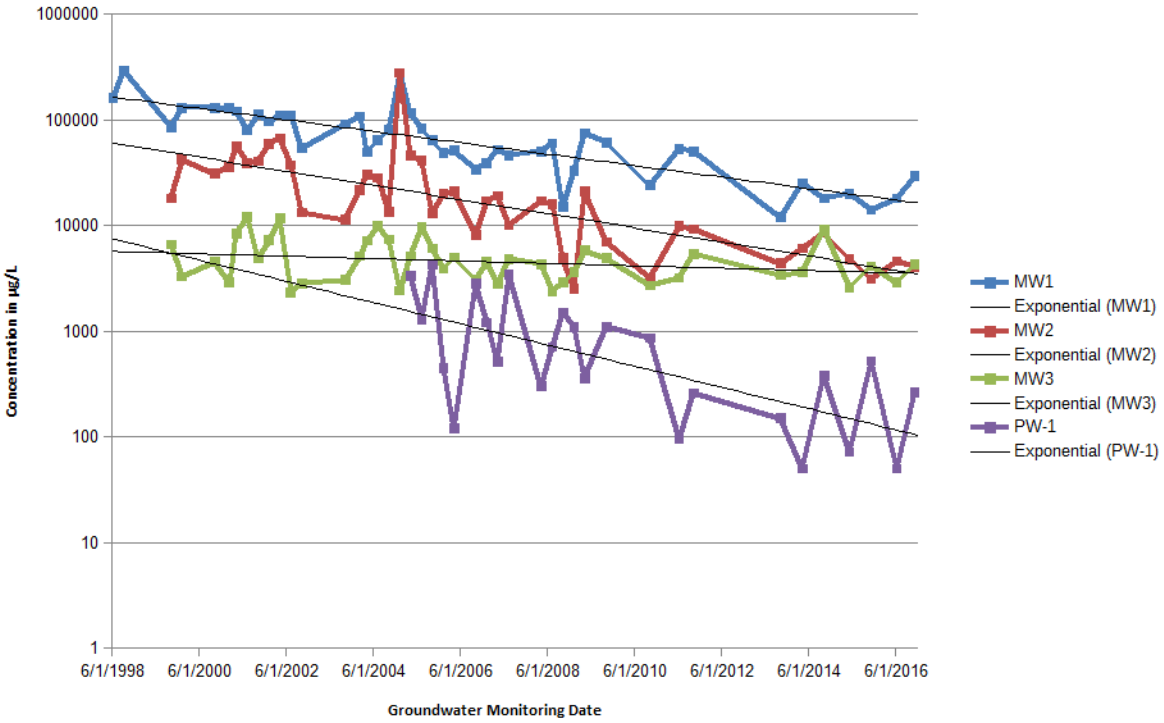
During the November 21, 2016 monitoring event, the groundwater flow direction beneath the Site was estimated at North 180º East (southward) under a hydraulic gradient of approximately 0.010 ft/ft. The groundwater flow direction for the November 21, 2016 event shifted approximately 14º to the west, as compared to the June 2016 event, and is consistent with historical data for the Site with the flow direction ranging widely from south to northwest.

The large variation in groundwater flow direction is inconsistent with previous studies at nearby former gasoline stations. The wide variation in flow direction data may be attributed to the subject monitor array consisting of few monitor wells arranged in a linear direction within the narrow site boundaries. One site well MW-2 has previously been excluded from flow direction calculations for obvious inconsistencies in groundwater elevation data.

Results of Groundwater Sampling & Laboratory Analysis

The attached Tables 1 & 2 include the historical groundwater analysis results for the November 2016 event and the associated laboratory report is included in Attachment B. As shown on Table 3A, the laboratory reported concentrations of TPH as gasoline ranging from 265 µg/l in piezometer PW-1 to 29,300 µg/l in well MW-1 in groundwater samples collected during the November 2016 event. Benzene concentrations ranged between 2.1 µg/l in piezometer PW-1 to 4440 µg/l in well MW-1. As compared with the June 2016 event, the gasoline constituent concentrations increased in well MW-1 from 18,000 to 29,300 µg/l and the Benzene concentration increased from 2500 to 4440 µg/l. The TPH as gasoline measured in MW-2 increased from 2600 to 4060 µg/l and in MW-3 from 2900 to 4290 µg/l.

The following chart plots gasoline concentrations in monitor wells versus time displaying an overall decreasing trend in contaminant concentrations following primary source removal in 1996. The recently measured concentrations appear consistent with the historical trend lines.



Per the more recent ACDEH Letters dated April 11, 2014 and April 9, 2015, samples collected from each monitoring well were to be additionally analyzed for Naphthalene and TPH as diesel. During the November 2016 event, the laboratory reported Naphthalene at 400 µg/l in well MW-1, 13 µg/l in well MW-2, and 30 µg/l in well MW-3, with concentrations increasing in MW-1 & MW-3 since the June 2016 event. TPH as diesel was detected in MW-1, MW-2, MW-3 and PW-1 at concentrations of 4400, 4060, 996 and 170 µg/l, respectively. With Silica Gel Cleanup on the samples from MW-1, MW-2, MW-3 and PW-1, the TPH as diesel decreased to 1750, 1170, 351 and ND<100 µg/l, respectively.

The laboratory analytical report noted that for each TPH as gasoline sample result, although TPH as gasoline constituents are present, the chromatographic pattern does not resemble the typical gasoline reference standard. The laboratory analytical report noted that for each TPH as diesel sample result, the chromatographic pattern does not resemble the typical diesel reference standard, and that unknown organics within the diesel range (lighter than diesel quantified as diesel) are present.

PCE was detected in the groundwater sample collected in well PW-1 on November 21, 2016, at a concentration of 15 µg/l, decreasing from the 79 µg/l concentration measured during the June 2016 event. As shown on Table 3B, the recently measured PCE concentration of 15 µg/l exceeds its applicable San Francisco Bay Regional Water Quality Control Board's Tier 1 Environmental Screening Level (ESL) of 3 µg/l. The current result is well below the historical high values for PCE of 120 and 110 µg/l reported in April 2009 and 2014, respectively. Since April 2005, PCE concentrations in well PW-1 continue to seasonally fluctuate between 15 and 120 µg/l. The PCE breakdown products of TCE and Cis-1,2-DCE were measured in well PW-1, at a concentration of 9 µg/l and 31 µg/l during this event. Table 3B includes a summary of the historical groundwater VOC analysis results for the November 2016 event and the complete VOC laboratory report for well PW-1 is included in Attachment B.

CONCLUSIONS AND RECOMMENDATIONS

Due to the elevated concentrations of TPH-G and Benzene remaining in monitor wells MW-1 to MW-3, WGE recommends continuing the groundwater monitoring and sampling program at the subject property on a semi-annual basis. Sampling should continue during the 2nd & 4th Quarters, in which historical groundwater contaminant concentrations in MW-1 to MW-3 have generally been the highest. The next semi-annual monitoring and sampling event is tentatively scheduled at the Site in June 2017.

As directed by the ACDEH in its most recent Letter dated January 3, 2017, groundwater samples collected from each well will continue to be analyzed for TPH as gasoline, BTEX, MTBE and Naphthalene by EPA Method SW8260B (Full List), and for TPH as diesel by SW8015M. During the forthcoming 2nd Quarter 2017 event, the groundwater samples collected from MW-1 and MW-2 only will be analyzed for TPH as diesel by SW8015M with and without Silica Gel Cleanup. Additionally, WGE recommends continuing analysis of the groundwater sample from PW-1 for VOCs (full list) by EPA Method 8260B to further monitor the elevated concentrations of PCE in groundwater in the vicinity of this field point.

REPORT DISTRIBUTION

This report and future correspondence associated with WGE Project 2016106 will be submitted to:

Mr. Mark Detterman, P.G., C.E.G.
Alameda County Health Care Services Agency
Tank Removal Health Services
Tank Removal Protection
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577 (1Electronic Copy via ACHCSA FTP Site)

Dr. Brian R. Sheaff, D.D.S.
1945 Parkside Drive
Concord, CA 94519 (1Electronic Copy via Email)

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 therefore may differ from the conditions implied by subsurface investigation. Existing hazardous materials and contaminants can escape detection using existing 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. WGE's professional services have been performed, with findings obtained and recommendations prepared in accordance with customary principles and practices in the field of environmental science, at the time of the assessment. This warranty is in lieu of all other warranties either expressed or implied.

WGE 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. The figures, drawings and plates presented in this report are only for the purposes of environmental assessment and no other use is recommended. No other third party may rely on this report, figures or plates for any other purpose.

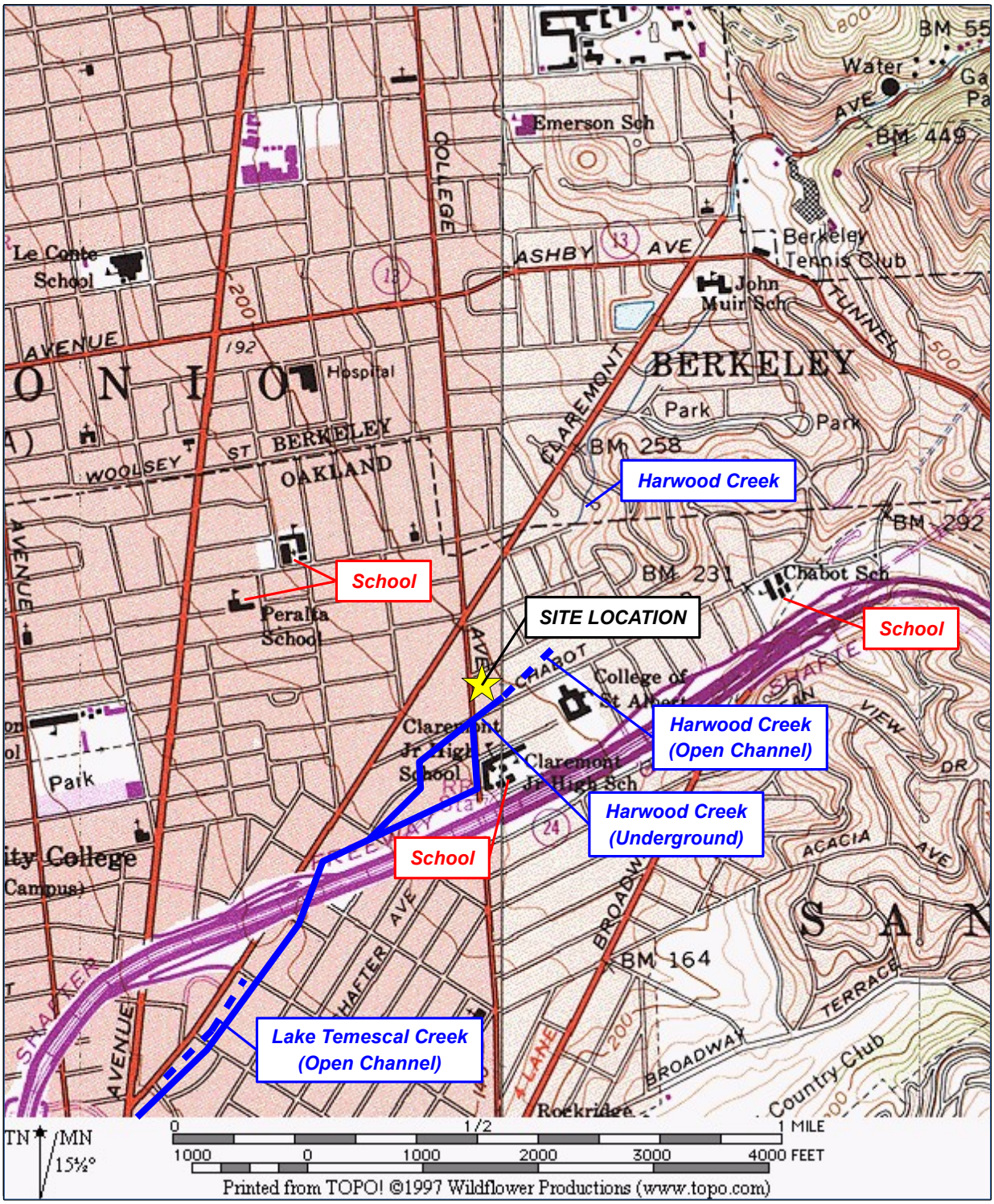
GROUNDWATER MONITORING REPORT
4th Quarter 2016

Sheaff's Service Garage
5930 College Avenue, Oakland, CA 94618

ACHCSA Fuel Leak Case No. RO0000377
WGE Project # 2016106

FIGURES

Wheeler Group Environmental, LLC
369-B Third Street, Suite #221, San Rafael, CA 94901



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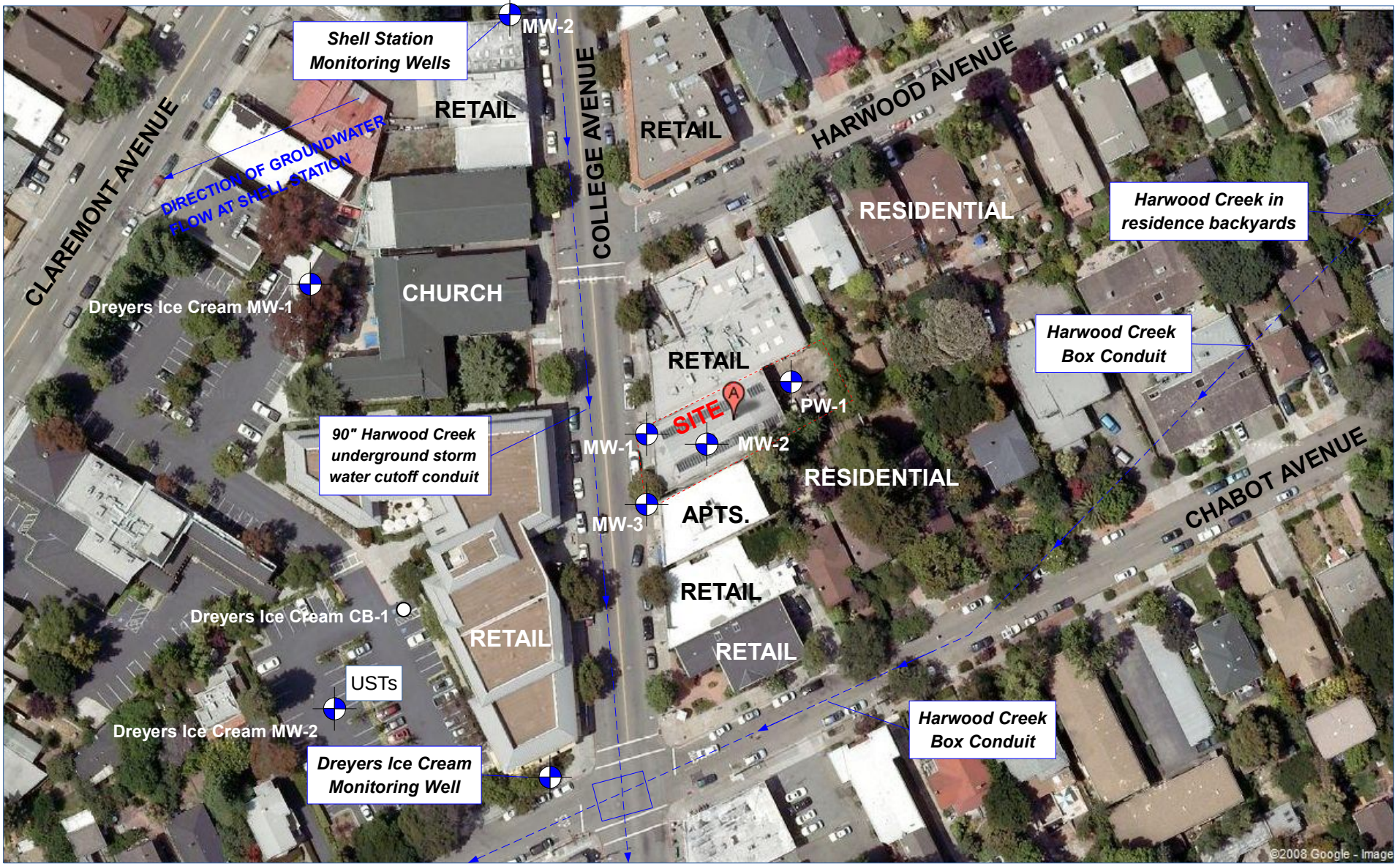
SITE LOCATION MAP
Data Gap Investigation
5930 College Avenue
Oakland, California

Project No. 2016106	FN: 2016106_Fig.1	Revision By:baw/0916	***Figure 1***



Base Map from Google Maps, 2008, at a scale of about 1"=100 feet with North to top of map.

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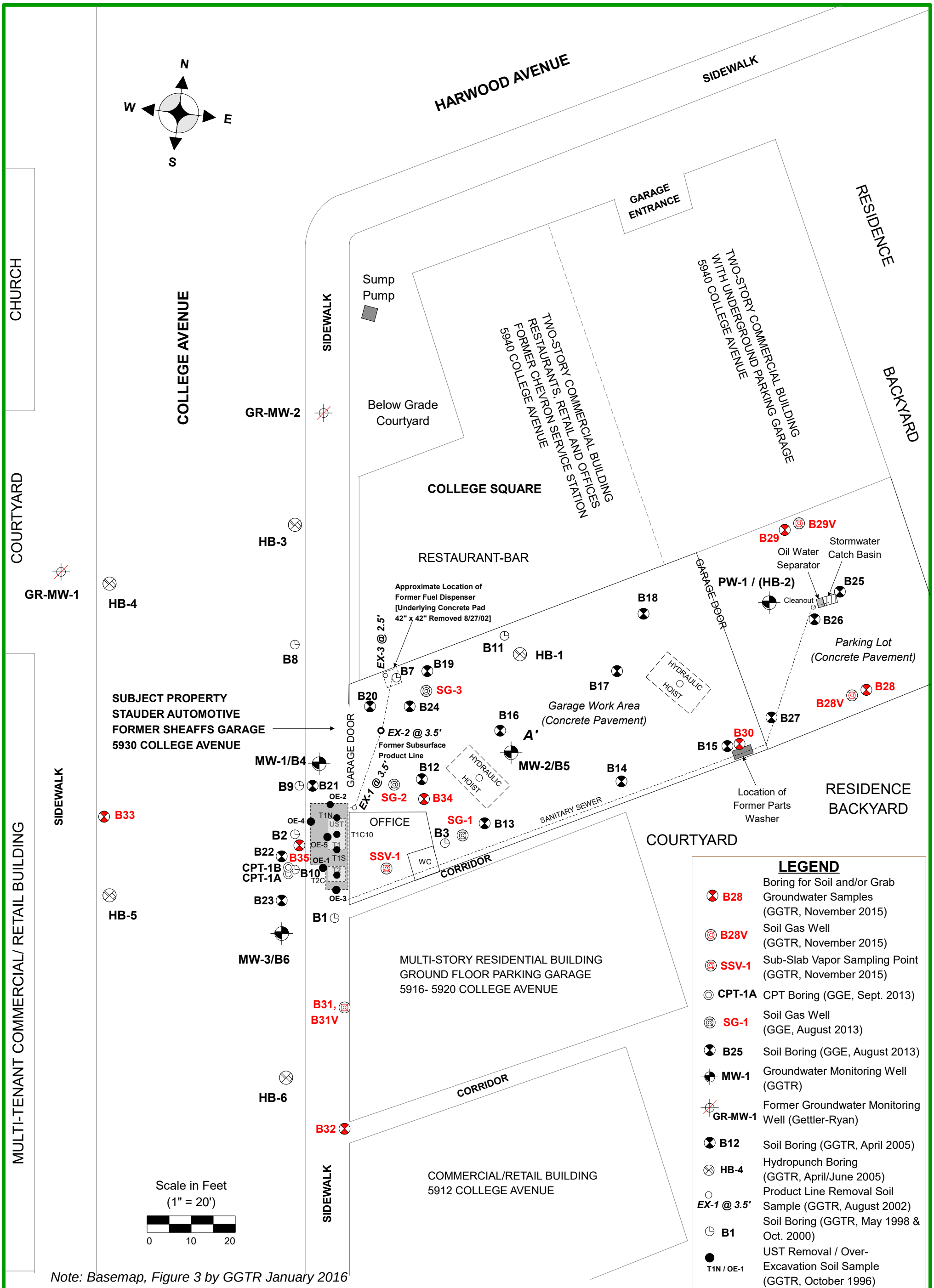
SITE LOCATION MAP
Data Gap Investigation
5930 College Avenue
Oakland, California

Project No. 2016106	FN: 2016106_Fig.1	Revision By:baw/0916	**Figure 1**



Note: Basemap, Figure 3 by GGTR January 2016

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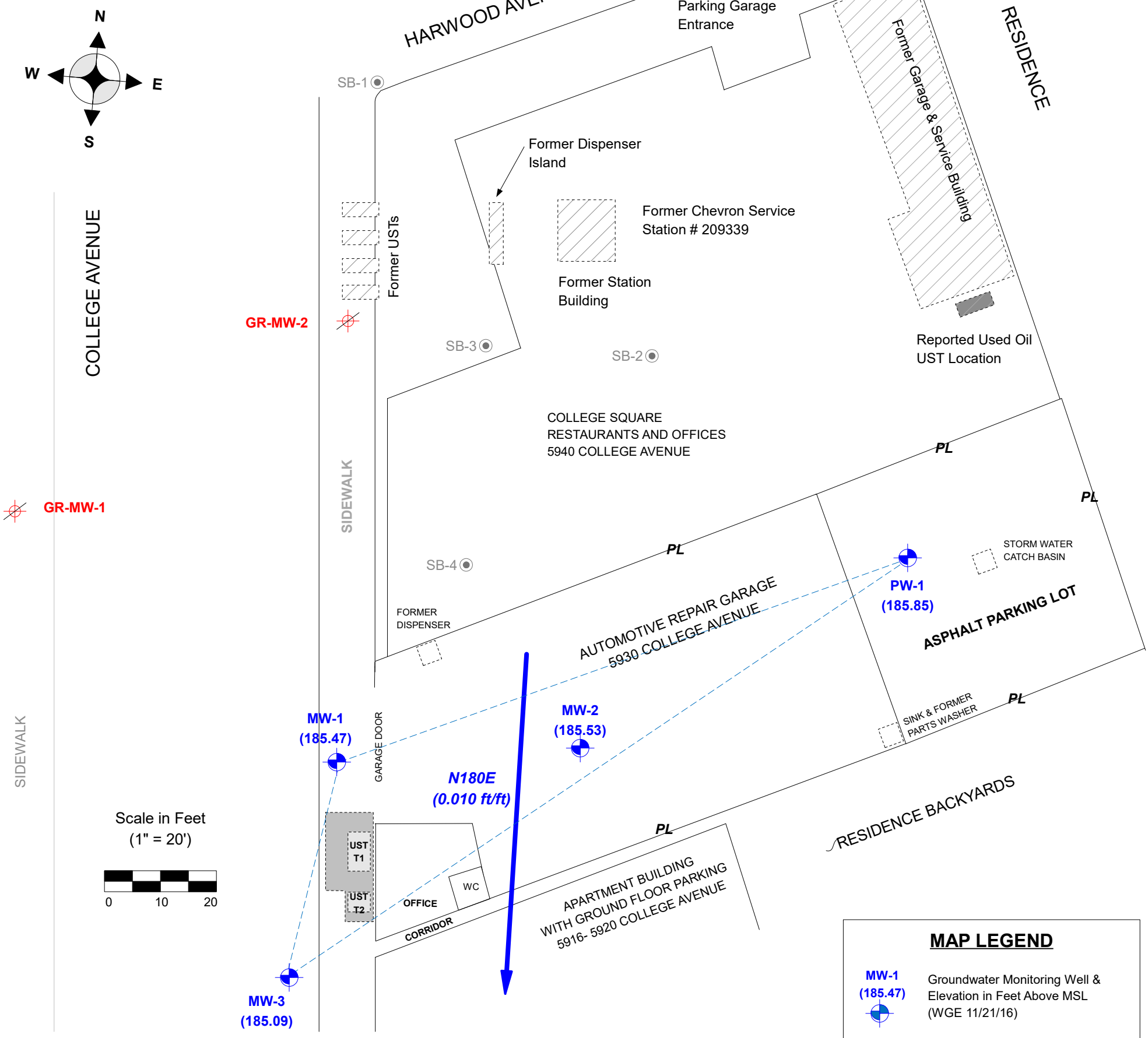
SITE PLAN

Former Sheaff"s Service Garage
5930 College Avenue, Oakland, CA 94618

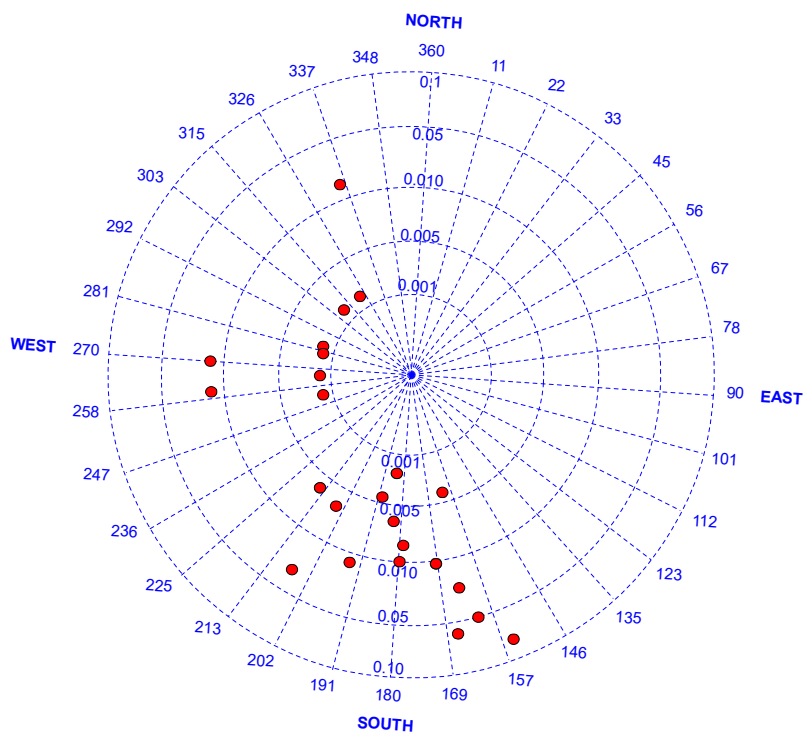
GGTR Project No. 2016106	Figure Revised: baw 01/2016	October 2016	**Figure 3**



Wells MW-1, MW-3 & PW-1:

Date	Groundwater Flow Direction / Hydraulic Gradient (ft/ft)
4/14/05	161.3@0.05
7/26/05	282.5@0.002
10/14/05	309.9@0.002
1/13/06	194.8@0.016
04/14/06	208.5@0.026
10/26/06	249.9@0.002
01/30/07	325@0.002
04/13/07	265.9@0.002
07/24/07	281.8@0.002
4/21/08	155.2@0.072
7/22/08	270.4@0.012
10/21/08	159.5@ 0.004
1/19/09	184 @ 0.0017
10/27/09	179 @ 0.008
10/14/10	188 @ 0.004
6/9/11	184 @ 0.006
10/7/11	216 @ 0.006
10/16/2013	169.1@0.012
4/14/2014	161.6@0.025
10/20/2014	333.4@0.014
5/13/2015	206 @ 0.007
11/11/2015	261 @ 0.015
6/7/2016	166 @ 0.052
11/21/16	**180 @ 0.010**

ROSE DIAGRAM



Rose diagram showing historic flow direction & gradient. Circles show recent data from three wells MW-1, MW-3 & PW-1 since April 14, 2005. Note non-linear scale for gradient to accommodate large variation in data.

MAP LEGEND

MW-1 (185.47)	Groundwater Monitoring Well & Elevation in Feet Above MSL (WGE 11/21/16)
GR-MW-1	Gettler-Ryan Groundwater Monitoring Well, Destroyed Oct. 2014
	Approximate Groundwater Flow Direction and Hydraulic Gradient (WGE 11/21/16)
ug/L	Micrograms per liter
	Approx. Limit of Former UST Excavation
PL	Property Line

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GROUNDWATER DATA DIAGRAM
November 2016
Sheaff's Service Garage
5930 College Avenue, Oakland, CA 94618

WGE Project No. 2016106 | *December 2016* | ***Figure 4***

GROUNDWATER MONITORING REPORT
4th Quarter 2016

Sheaff's Service Garage
5930 College Avenue, Oakland, CA 94618

ACHCSA Fuel Leak Case No. RO0000377
WGE Project # 2016106

TABLES

Wheeler Group Environmental, LLC
369-B Third Street, Suite #221, San Rafael, CA 94901

TABLE 3A

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)	TPH-D (ug/L)	MTBE (ug/L)	BTEX (ug/L)	Naphthalene (ug/L)
MW-1	6/1/98		4.81	191.09	slight sheen	160000	NA	1900	28000 / 21000 / 3800 / 21000	NA
	9/10/98		7.5	188.4	Odor	290000	NA	440	<50 / 25000 / 7100 / 32000	NA
	10/7/99		10.04	185.86	Odor	85000	NA	1100	20000 / 13000 / 3800 / 17000	NA
	1/26/00		8.26	187.64	slight sheen	130000	NA	470	25000 / 18000 / 4500 / 22000	NA
	10/25/00		10.1	185.8	Odor	130000	NA	1300	23000 / 12000 / 3900 / 18000	NA
	2/2/01		9.61	186.29	Odor	128000	NA	780	19000 / 11000 / 3800 / 18000	NA
	4/25/01	195.9	7.39	188.51	Odor	120000	NA	900	21000 / 13000 / 390 / 18000	NA
	7/10/01		9.72	186.18	Odor	79000	NA	660	15000 / 7800 / 3000 / 15000	NA
	10/8/01		10.88	185.02	Odor/sheen	112000	NA	374	25300 / 11800 / 4280 / 20600	NA
	1/7/02		4.34	191.56	Odor	96100	NA	596	21100 / 13500 / 4160 / 21900	NA
	4/8/02		6.84	189.06	slight odor	111000	NA	679	21200 / 13400 / 4230 / 21000	NA
	7/9/02		9.4	186.5	slight odor	110000	NA	570	20300 / 13300 / 4060 / 19800	NA
	10/23/02		11.04	184.86	None	54100	NA	1010	10800 / 3870 / 2320 / 9440	NA
	10/15/03		10.8	185.1	None	90700	NA	724	17800 / 4740 / 3150 / 13900	NA
	2/2/04		7.35	188.55	None	108000	NA	194	14200 / 7420 / 3450 / 19800	NA
	4/23/04		6.83	189.07	slight odor	49200	NA	114	7910 / 1480 / 1810 / 10100	NA
	7/19/04		8.95	186.95	Odor	63900	NA	303	7260 /2270 / 2510 / 10100	NA
	10/22/04		10.15	185.75	None	80700	NA	493 (296)**	13900 / 1670 / 3550 / 15200	NA
	1/21/05		5.45	190.45	Odor	278000	NA	271 (174)**	14700 / 25300 / 10800 / 73500	NA
	4/14/05		5.3	190.6	Odor /sheen	116000	NA	366 (410)**	15100 / 7080 / 4220 / 20700	NA
	7/26/05		7.6	188.3	Odor	82000	NA	ND<250	12000 / 4500 / 3300 / 14000	NA
	10/14/05		9.58	186.32	Odor/sheen	64000	NA	ND<250	13000 / 5700 / 3400 / 16000	NA
	1/13/06		4.6	191.3	Odor/sheen	49000	NA	ND<250	12000 / 5300 / 3500 / 17000	NA
	4/14/06		3.08	192.82	Odor	51000	NA	270	14000 / 5300 / 3500 / 17000	NA
	10/26/06		9.22	186.68	Odor	34000	NA	ND<250	12000 / 1600 / 3100 / 8600	NA
	1/30/07		9.6	186.3	Odor	39000	NA	ND<200	10000 / 2200 / 2900 / 10000	NA
	4/13/07		9.24	186.66	NM	52000	NA	150	9100 / 2600 / 3100 / 11000	NA
	7/24/07		10.67	185.23	None	46000	NA	240	10000 / 1200 / 3500 / 6200	NA
	4/21/08		7.24	188.66	None	50000	NA	ND<100	7800 / 1500 / 3000 / 12000	NA
	7/22/08		9.71	186.19	Odor	60000	NA	470[1]	8100 / 1500 / 2700 / 9800	NA
	10/21/08		11.63	184.27	Odor	15000	NA	110	4900 / 430 / 1900 / 2260	NA
	1/19/09		10.91	184.99	Odor/Sheen	33000	NA	143	8830/837/2160/3880	NA
	4/27/09		7.7	188.2	Odor	75000	NA	53	8500/2100/2300/11000	NA
	10/27/09		9.34	186.56	Odor	61000	NA	75	8300/1500/2600/7900	NA
	10/14/10		10.3	185.6	Clear/Odor	24000[2]	NA	220	8100/820/2200/4400	NA
SF Bay RWQCB February 2016 ESL						**100**	**100**	**1200**	**1.1 / 3600 / 13 / 1300**	**20**

Table & Notes Following

TABLE 3A (Cont'd)

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)	TPH-D (ug/L)	MTBE (ug/L)	BTEX (ug/L)	Naphthalene (ug/L)
MW-1	6/9/11	195.9	6.38	189.5	Clear/Odor	53000	NA	NA	14000/3000/3800/16900	NA
	10/7/11		9.08	186.82	None	50000[2]	NA	89	9200/1500/4200/13500	NA
	10/16/13		10.83	185.07	Clear	12000[2]	NA	ND<21	2400/330/1500/2780	NA
	4/14/14		10.92	184.98	Clear	25000[6]	3000[7,8]	ND<21	3000/480/2100/6700	500[9]
	10/20/14		11.2	184.7	Clear/Odor	18000[2]	2000[7,8]	63	5600/300/2000/910	300[9]
	5/13/15		9.33	186.57	Clear/Odor	20000	2600[7,8]	57	2700/340/1600/2760	360[9]
	11/11/15		12.42	183.48	Clear/Odor	14000[5]	4100[7,8]	49	3900/91/750/288.5	130[9]
	6/7/16		8.96	-8.96	Turbid/Odor	18000[2,5]	2500(210)[7,10]	41	3100/220/1300/2390	180
	11/21/16		**10.43**	**185.47**		**29300[2]**	**4440(1750)[7,10]**	**42**	**4000/390/1700/4600**	**400**
SF Bay RWQCB February 2016 ESL						**100**	**100**	**1200**	**1.1 / 3600 / 13 / 1300**	**20**

Table & Notes Following

TABLE 3A (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)	TPH-D (ug/L)	MTBE (ug/L)	BTEX (ug/L)	Naphthalene (ug/L)
MW-2	10/7/99	51.42*	11.49	39.93	slight/odor	18000	NA	490	3000 / 1700 / 1000 / 3900	NA
	1/26/00	51.42*	7.85	43.57	None	42000	NA	560	9300 / 2200 / 2300 / 7700	NA
	10/25/00	51.42*	11.57	39.85	slight/odor	31000	NA	500	5500 / 370 / 1700 / 2600	NA
	2/2/01	51.42*	10.77	40.65	Odor	36000	NA	400	4300 / 530 / 1800 / 4500	NA
	4/25/01	197.28	8.52	188.76	Odor	56000	NA	460	6700 / 1700 / 2600 / 8200	NA
	7/10/01		11.05	186.23	Odor	39000	NA	180	6200 / 730 / 2300 / 6100	NA
	10/8/01		12.79	184.49	Odor/sheen	40700	NA	6460	6310 / 399 / 2100 / 5320	NA
	1/7/02		4.92	192.36	Odor	59600	NA	366**	10300 / 3250 / 4180 / 14400	NA
	4/8/02		8.4	188.88	slight odor	66700	NA	583**	10200 / 2670 / 3840 / 13200	NA
	7/9/02		10.55	186.73	slight odor	37100	NA	303 (298)**	5340 / 890 / 2110 / 6920	NA
	10/23/02		13.85	183.43	None	13300	NA	322 (360)**	2420 / 216 / 922 / 1470	NA
	10/15/03		12.38	184.9	None	11300	NA	264 (322)**	2660 / 51 / 1180 / 1220	NA
	2/2/04		8.8	188.48	None	21700	NA	168 (200)**	2130 / 51 / 1030 / 2060	NA
	4/23/04		8.4	188.88	Slight odor	30400	NA	112 (203)**	3570 / 322 / 1620 / 4140	NA
	7/19/04		10.3	186.98	Odor	28300	NA	283 (373)**	2540 / 239 /1320 / 2300	NA
	10/22/04		10.25	187.03	Mod odor	13500	NA	273 (229)**	1790 / 54 / 892 / 915	NA
	1/21/05		6.65	190.63	Mod odor	278000	NA	161 (163)**	5980 / 1030 / 2890 / 9070	NA
	4/14/05		8.7	188.58	None	46100	NA	155 (150)**	5170 / 787 / 2530 / 6010	NA
	7/26/05		8.95	188.33	Mod odor	41000	NA	ND (ND)**	5600 / 550 / 2600 / 4600	NA
	10/14/05		10.92	186.36	Odor/sheen	13000	NA	130	2900 / 100 / 1300 / 1200	NA
	1/13/06		5.48	191.8	Odor	20000	NA	ND<100	4900 / 490 / 2400 / 4200	NA
	4/14/06		3.61	193.67	Odor	21000	NA	ND<100	4000 / 740 / 2300 / 5100	NA
	10/26/06		10.58	186.7	Odor	8200	NA	68	1400 / 51 / 840 / 500	NA
	1/30/07		10.98	186.3	Odor	17000	NA	62	3200 / 150 / 2200 / 1800	NA
	4/13/07		10.54	186.74	NM	19000	NA	57	2000 / 85 / 1300 / 1100	NA
	7/24/07		12.04	185.24	None	10000	NA	84	1300 / 41 / 710 / 270	NA
	4/21/08		8.01	189.27	None	17000	NA	48	1800 / 100 / 1400 / 1300	NA
	7/22/08		11.12	186.16	None	16000	NA	100[1]	1900 / 98 / 1600 / 741	NA
	10/21/08		13.11	184.17	Odor/sheen	4900	NA	65	700 / 20 / 370 / 52	NA
	1/19/09		12.31	184.97	Odor	2500	NA	90	167/8.49/114/50.3	NA
	4/27/09		9.01	188.27	Odor/sheen	21000	NA	ND<0.5	1700/130/1100/1800	NA
	10/27/09		10.52	186.76	Odor	7000	NA	ND<0.5***	510/19/330/160	NA
	10/14/2010		11.56	185.72	None	3200[2]	NA	35	460/16/230/110	NA
	6/9/2011		7.67	189.61	Clear/Odor	9900	NA	NA	1900/75/1100/1013	NA
SF Bay RWQCB February 2016 ESL						**100**	**100**	**1200**	**1.1 / 3600 / 13 / 1300**	**20**

Table & Notes Following

TABLE 3A (Cont'd)

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)	TPH-D (ug/L)	MTBE (ug/L)	BTEX (ug/L)	Naphthalene (ug/L)
MW-2	10/7/2011	197.28	10.42	186.86	Clear/Odor	9200[4]	NA	ND<22	810/34/610/100	NA
	10/16/2013		12.18	185.1	Clear/Odor	4400[2,5]	NA	ND<4.2	780/33/200/39.8	NA
	4/14/2014		12.34	184.94	Clear/Odor	6100[2]	2500[7,8]	ND<2.1	530/270/19/47.6	86[9]
	10/20/2014		12.54	184.74	Clear/Odor	8600[2]	3700[7,8]	15	140/5.6/73/20.9	24[9]
	5/13/2015		10.48	186.8	Clear/Odor	4800[2]	2300[7,8]	7.7	220/10/96/38	30[9]
	11/11/15		14.19	183.09	Clear/Odor	3100[2]	2100[7,8]	7.2	220/7.1/38/15	ND<11[9]
	6/7/16		8.63	188.65	Clear/Odor	4600[2]	2600(220)[7,10]	ND<5.3	160/ND<5.3/71/22	32
	11/21/16		**11.75**	**185.53**	**Clear/Odor**	**5110[2]**	**4060(1170)[7,10]**	**4.7**	**300/12/43/18.7**	**13**
SF Bay RWQCB February 2016 ESL						**100**	**100**	**1200**	**1.1 / 3600 / 13 / 1300**	**20**

Table & Notes Following

TABLE 3A (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)	TPH-D (ug/L)	MTBE (ug/L)	BTEX (ug/L)	Naphthalene (ug/L)
MW-3	10/7/99		9.67	185.55	None	6600	NA	390	310 / 110 / 430 / 1000	NA
	1/26/00		5.4	189.82	None	3300	NA	40	110 / 8 / 100 / 32	NA
	10/25/00		9.24	185.98	Slight odor	4500	NA	ND	100 / 2 / 120 / 130	NA
	2/2/01		8.73	186.49	Slight odor	2900	NA	35	35 / 3 / 160 / 298	NA
	4/25/01	195.22	6.61	188.61	Slight odor	8400	NA	56	260 / 33 / 290 / 510	NA
	7/10/01		8.85	186.37	Slight odor	12000	NA	35	39 / 10 / 690 / 1600	NA
	10/8/01		9.75	185.47	Odor/sheen	4913	NA	52	108 / 4 / 99 / 133	NA
	1/7/02		4.25	190.97	Odor/sheen	7260	NA	81.7**	723 / 138 / 492 / 887	NA
	4/8/02		6.33	188.89	Odor	11700	NA	ND**	540 / 108 / 706 / 1710	NA
	7/9/02		8.56	186.66	Odor	2320	NA	28.3 (20)**	37.1 / 4.7 / 98.5 / 187	NA
	10/23/02		10.02	185.2	Odor/sheen	2830	NA	ND (ND)**	46.8 / 4.7 / 43.6 / 65.5	NA
	10/15/03		9.8	185.42	Odor/sheen	3040	NA	ND (ND)**	91.3 / 8.4 / 69.9 / 148	NA
	2/2/04		6.85	188.37	Odor/sheen	5140	NA	ND (ND)**	126 / 8.7 / 134 / 238	NA
	4/23/04		6.17	189.05	None	7210	NA	ND (ND)**	227 / 39.5 / 448 / 879	NA
	7/19/04		8.25	186.97	Slight odor	9860	NA	ND (ND)**	20.4 / 3.2 / 30.6 / 117	NA
	10/22/04		9.25	185.97	None	7420	NA	96 (21)**	152 / 12.8 / 267 / 480	NA
	1/21/05		5.22	190	Slight odor	2420	NA	ND (ND)**	111 / 11.4 / 139 / 265	NA
	4/14/05		6.64	188.58	Odor/sheen	5130	NA	54 (41.4)**	357 / 19.4 / 287 / 510	NA
	7/26/05		6.9	188.32	None	9800	NA	ND (21)**	200 / 23 / 220 / 360	NA
	10/14/05		8.83	186.39	Odor/sheen	6100	NA	ND	76 / 19 / 170 / 350	NA
	1/13/06		4.61	190.61	Odor	3900	NA	24	380 / 17 / 230 / 300	NA
	4/14/06		3.41	191.81	Odor	5000	NA	69	760 / 44 / 230 / 190	NA
	10/26/06		8.57	186.65	Odor	3100	NA	17	120 /9.8 /55 / 54	NA
	1/30/07		8.83	186.39	Odor	4500	NA	ND<10	90 /7.6 / 75 / 44	NA
	4/13/07		8.57	186.65	NM	2800	NA	ND<5	55 / 4.9 / 19 / 6.1	NA
	7/24/07		9.98	185.24	None	4800	NA	ND<5	140 / 8.3 / 66 / 22	NA
	4/21/08		9.3	185.92	None	4300	NA	ND<5	200 / 11 / 30 / 14	NA
	7/22/08		9.05	186.17	None	2400	NA	53[1]	140 / 13 / 26 / 18.5	NA
	10/21/08		11.12	184.1	Slight Odor	2900	NA	2.2	170 / 9.2 / 99 / 25.8	NA
	1/19/09		10.29	184.93	Odor	3600	NA	ND<0.5	148/6.73/24.5/22.1	NA
	4/27/09		7.15	188.07	Odor/sheen	5800.00	NA	8.8	370/12/82/84	NA
	10/27/09		8.96	186.26	Odor	4900[2]	NA	ND<0.5***	130/8.5/89/130	NA
	10/14/2010		9.76	185.46	None	2700[2]	NA	ND<4.4	270/11/290/399.2	NA
	6/9/2011		5.92	189.3	Clear/Odor	3200[2]	NA	NA	220/ND<4.4/37/20	NA
	10/7/2011		8.6	186.62	None	5400[2]	NA	ND<4.4	140/7.0/160/67	NA
SF Bay RWQCB February 2016 ESL						**100**	**100**	**1200**	**1.1 / 3600 / 13 / 1300**	**20**

Table & Notes Following

TABLE 3A (Cont'd)

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)	TPH-D (ug/L)	MTBE (ug/L)	BTEX (ug/L)	Naphthalene (ug/L)
MW-3	10/16/2013	195.22	10.56	184.66	Lt. Gray/Odor	3400[2]	NA	ND<4.2	990/58/75/71	NA
	4/14/2014		11.07	184.15	Clear	3600[2]	700[7,8]	ND<1.1	400/22/24/13.3	4.0[9]
	10/20/2014		10.09	185.13	Clear/Odor	9200[2]	25000[7,8]	9.2	180/8.4/21/11	ND<2.1[9]
	5/13/2015		8.89	186.33	Clear	2600[2]	630[7,8]	6.1	110/6.1/7.4/ND≤8.4	ND<8.4[9]
	11/11/15		11.89	183.33	Clear/Odor	4100[2]	760[7,8]	9.5	660/21/250/52	ND<8.4[9]
	6/7/16		10.05	185.17	Clear/Odor	**2900[2]**	**840[7]**	5.9	190/6.0/4.2/ND<8.4	17
	11/21/16		**10.13**	**185.09**	**Clear**	**4290[2]**	**996 (351)[7,10]**	**4.6**	**300/16/170/27.6**	**30**
SF Bay RWQCB February 2016 ESL						**100**	**100**	**1200**	**1.1 / 3600 / 13 / 1300**	**20**

Table & Notes Following

TABLE 3A (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)	TPH-D (ug/L)	MTBE (ug/L)	BTEX (ug/L)	Naphthalene (ug/L)
PW-1	4/14/05	197.17	6.4	190.77	None	3360	NA	ND (ND**)	62.8 / 6.7 / 79.5/ 317	NA
	7/26/05		8.63	188.54	None	1300	NA	ND (ND**)	22 / ND / 48 / 110	NA
	10/14/05		10.71	186.46	None	4300	NA	ND	93 /1.2 / 100 / 140	NA
	1/13/06		4.87	192.3	None	450	NA	ND<2.0	10 / ND / 37 / 72	NA
	4/14/06		2.27	194.9	Odor	120	NA	ND<2.0	2.3 / ND<1.0 / 3.5 /9.3	NA
	10/26/06		10.3	186.87	Odor	2800	NA	ND<10	61 / ND<5.0 / 130 / 34	NA
	1/30/07		10.8	186.37	Odor	1200	NA	ND<2	22 / ND<1.0 / 100 / 200	NA
	4/13/07		10.31	186.86	NM	510	NA	ND<1	6 / ND<0.5 / 30 / 56	NA
	7/24/07		11.81	185.36	None	3400	NA	ND<5	63 / ND<2.5 / 180 / 5.6	NA
	4/21/08		9.08	188.09	None	300	NA	ND<1	3 / ND<0.5 / 16 / 26	NA
	7/22/08		9.83	187.34	None	710.00	NA	3.1[1]	9.3 / 1.2[1]/ 49 / 67.86	NA
	10/21/08		12.9	184.27	None	1500[2]	NA	1	20 / ND<0.5 / 57 / 20	NA
	1/19/09		12.11	185.06	Odor/sheen	1100[2]	NA	ND<0.5	12.3/ND<0.5/30.8/9.20	NA
	4/27/2009		8.69	188.48	None	360[3]	NA	ND<0.5	2.7/ND<0.5/12/18	NA
	10/27/2009		10.32	186.85	None	1100[2]	NA	ND<0.5	12/ND<0.5/36/34	NA
	10/14/2010		11.38	185.79	None	860[3]	NA	ND<0.5	8.8/.55/44/44	NA
	6/9/2011		7.43	189.74	None	96[3]	NA	ND<0.5	ND<0.5/ND<0.5/3.1/2.5	NA
	10/7/2011		9.79	187.38	None	260[5]	NA	ND<0.5	ND<0.5/ND<0.5/5.9/4.5	NA
	10/16/2013		11.91	185.26	Clear	150[2,5]	NA	ND<0.5	0.87/ND<0.5/ND<0.5/ND≤1.0	NA
	4/14/2014		12.14	185.03	Clear	ND<50	ND<0.1[8]	ND<0.5	ND<0.5/ND<0.5/ND<0.5/ND≤1.0	ND<0.5[9]
	10/20/2014		12.28	184.89	Clear	380[2]	140[7,8]	ND<0.5	2.4/ND<0.5/11/4.0	2.3[9]
	5/13/2015		10.06	187.11	Clear	72[2]	ND<0.1[7,8]	ND<0.5	ND<0.5/ND<0.5/ND<0.5/ND≤1.0	ND<1.0[9]
	11/11/15		14.02	183.15	Clear	520[2]	140[7,8]	ND<0.5	3.8/ND<0.5/0.55/ND≤1.0	ND<1.0[9]
	6/7/16		9.7	187.47	Clear/Odor	ND<50	ND<100	ND<0.5	**ND<0.5/ND<0.5/ND<0.5/ND≤1.0**	ND<1.0
	11/21/16		**29300**	**-29102.83**	**Clear**	**265**	**170**	**ND<0.5**	**2.1/ND<0.50.51/ND≤1.0**	**ND<1.0**
SF Bay RWQCB February 2016 ESL						**100**	**100**	**1200**	**1.1 / 3600 / 13 / 1300**	**20**

Table Notes Following

TABLE 3A (Cont'd)
Historical Groundwater Levels & Hydrocarbon Analytical Results
5930 College Avenue, Oakland, CA

Table 3A Notes:

ft, MSL = feet Above Mean Sea Level
TOC = Top of Well Casing
GW = Depth to Groundwater in feet Below TOC
TPH-G = Total Petroleum Hydrocarbons as Gasoline
MTBE = Methyl Tertiary Butyl Ether
BTEX = Benzene / Toluene / Ethylbenzene / Total Xylenes
ug/L = micrograms per liter
ND = Not detected above laboratory reporting limit
[1]=Presence confirmed, but Relative Percentage Difference (RPD) between columns exceeds 40%
[2]=Sample exhibit chromatographic pattern that does not resemble standard; See laboratory report for additional information
[3]=Although TPH-gas compounds are present, value is elevated due to discrete peak (PCE) within C5-C12 range quantified as gasoline
[4]=Reported value is elevated due to contribution from heavy end hydrocarbons within C5-C12 range quantified as gasoline
[5]=Result is elevated due to contribution from heavy end hydrocarbons and discrete peak of non-fuel compound within C5-C12 range quantified as gasoline
[6]=Reported TPH value includes amount due to discrete peak (See 8260B results - elevated aromatic compounds)
[7]= Chromatographic pattern does not resemble typical diesel reference standard; unknown organics within diesel range lighter than diesel quantified as diesel.
[8]= Sample also analyzed for TPH as Motor Oil (EPA Method SW8015B); See Lab Report for Sample Results
[9]= Sample also analyzed for Polycyclic Aromatic Hydrocarbons (PAHs) by EPA Method SW8270C; See Lab Report for Sample Results
[10]= Sample also analyzed for TPH as Diesel w/Silica Gel Cleanup; results shown in parentheses adjacent to table entry
* = Arbitrary datum point with assumed elevation of 50 ft used prior to MSL survey on 4/ 25/01
** = Concentration confirmed by EPA Method 8260
** = Sample also analyzed for other Fuel oxygenates (EPA Method 8260); All results ND (See Lab Report)

SF Bay RWQCB/ESL = San Francisco Bay Regional Water Quality Control Board's Interim Final - February 2016, Environmental Screening Level for shallow groundwater at a residential use permitted site (Groundwater Vapor Intrusion Human Health Risk)

Well Construction Data:

Well #	*Total Depth (ft, TOC)*	*Screen Interval (ft)*	*Installation Date*
MW-1	*14.5*	*5 to TD*	*5/20/1998*
MW-2	*19.6*	*5 to TD*	*10/2/1999*
MW-3	*19*	*5 to TD*	*10/2/1999*
PW-1	*19.8*	*5 to TD*	*4/5/2005*

TABLE 3B

Historical Groundwater VOC Analytical Results in PW-1

5930 College Avenue, Oakland, CA

Well ID	Sample Date	Casing Elevation feet MSL	Depth to GW (feet) TOC	Water Elevation (ft, MSL)	IPB (ug/L)	N-PB (ug/L)	1,3,5-TMB (ug/L)	1,2,4-TMB (ug/L)	Naphthalene (ug/L)	TCE (ug/L)	cis-1,2-DCE (ug/L)	Vinyl Chloride (ug/L)	PCE (ug/L)
MW-1	**6/7/16**	**195.9**	**8.96**	**186.94**	**39**	**110**	**100**	**370**	**180**	**ND<4.2**	**ND<4.2**	**ND<4.2**	**ND<4.2**
MW-2	**6/7/16**	**197.28**	**8.63**	**188.65**	**30**	**96**	**ND<5.3**	**ND<5.3**	**32**	**ND<5.3**	**ND<5.3**	**ND<5.3**	**ND<5.3**
MW-3	**6/7/16**	**195.22**	**10.05**	**185.17**	**16**	**47**	**ND<4.2**	**ND<4.2**	**17**	**ND<4.2**	**ND<4.2**	**ND<4.2**	**ND<4.2**
PW-1	4/14/05	197.17	6.4	190.77	11	22	110	100	43	3.3	12	ND<0.5	84.9
	7/26/05		8.63	188.54	7.3	17	37	100	43	ND<1	7	ND<1	48
	10/14//05		10.71	186.46	28	72	67	120	43	4.1	29	ND<1	25
	1/13/06		4.87	192.3	ND<20	ND<10	ND<10	37	ND<10	1.4	5	ND<1	95
	4/14/06		2.27	194.9	ND<2	ND<10	ND<10	ND<10	ND<10	1.1	2.8	ND<1	68
	10/26/06		10.3	186.87	ND<10	ND<50	ND<50	ND<50	ND<50	6.2	32	ND<5.0	26
	1/30/07		10.8	186.37	ND<2	23	31	120	18	ND<1	11	ND<1	29
	4/13/07		10.31	186.86	2.4	6.1	7	30	6.8	0.84	4.7	ND<0.5	64
	7/24/07		11.81	185.36	ND<5.0	60	ND<25	ND<25	ND<25	ND<2.5	58	ND<2.5	50
	4/21/08		9.08	188.09	1.1	ND<5	ND<5	15	ND<5	0.88	3.7	ND<0.5	91
	7/22/08		9.83	187.34	NA	NA	NA	NA	NA	NA	NA	NA	NA
	10/21/08		12.9	184.27	17	14	5	15	5.1	6.2	56	0.6	44
	4/27/09		8.69	188.48	1.2	3.3	3.4	16	ND<1.0	1.4	4	ND<0.5	120
	10/27/09		10.32	186.85	6	4.8	ND<0.5	15	ND<1.0	ND<0.5	35	ND<0.5	78
	10/14/10		11.38	185.79	9.8	15	12	44	4	5	61	ND<0.5	35
	6/9/11		7.43	189.74	0.55	1.7	0.98	3.7	ND<1.0	0.85	1.4	ND<0.5	86
	10/7/11		9.79	187.38	0.79	1.8	0.99	3.8	1.2	0.63	2	ND<0.5	76
	10/16/13		11.91	185.26	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1.0	2.7	12	ND<0.5	45
	4/14/14		12.14	185.03	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1.0	1.4	3.3	ND<0.5	110
	10/20/14		12.28	184.89	1.8	2.9	1	2.3	2.3	6.4	33	ND<0.5	36
	5/13/15		10.06	187.11	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1.0	2.6	2.6	ND<0.5	93
	11/11/15		14.02	181.2	0.92	ND<0.5	ND<0.5	ND<0.5	ND<1.0	11	43	ND<0.5	39
	6/7/16		9.7	187.47	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1.0	6.4	12	ND<0.5	79
	6/7/16		**11.32**	**185.96**	**ND<0.5**	**ND<0.5**	**ND<0.5**	**1.7**	**ND<2.0**	**9**	**31**	**ND<0.5**	**15**
SF Bay RWQCB February 2016 ESL					**NC**	**NC**	**NC**	**NC**	**20**	**5.6**	**110**	**0.061**	**3**

Table Notes Following

TABLE 3B (Cont'd)

Historical Groundwater Levels & Hydrocarbon Analytical Results

5930 College Avenue, Oakland, CA

Table 3B Notes:

ft, MSL = feet Above Mean Sea Level
TOC = Top of Well Casing
GW = Depth to Groundwater in feet Below TOC
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 = Perchloroethene or Tetrachloroethene
ug/l = micrograms per liter
ND = Not detected above laboratory reporting limit
NC = No Criteria Listed
NA = Not Analyzed
SF Bay RWQCB/ESL = San Francisco Bay Regional Water Quality Control Board's Interim Final - February 2016, Environmental Screening Level for shallow groundwater at a residential use permitted site (Groundwater Vapor Intrusion Human Health Risk)

Well Construction Data:

Well #	*Total Well Depth (ft,TOC)*	*Screen Interval (ft)*	*Installation Date*
MW-1	*14.5*	*5 to TD*	*4/5/2005*
MW-2	*19.6*	*5 to TD*	*5/20/1998*
MW-3	*19*	*5 to TD*	*10/2/1999*
PW-1	*19.8*	*5 to TD*	*10/2/1999*

GROUNDWATER MONITORING REPORT
4th Quarter 2016

Sheaff's Service Garage
5930 College Avenue, Oakland, CA 94618

ACHCSA Fuel Leak Case No. RO0000377
WGE Project # 2016106

ATTACHMENT A

Fluid-Level Monitoring Data Sheet
Well Purging/Sampling Data Sheets

Wheeler Group Environmental, LLC
369-B Third Street, Suite #221, San Rafael, CA 94901

FLUID-LEVEL MONITORING DATA

Project Name: SHEAFFS SERVICE GARAGE Date: 11-21-16

Project/Site Location: 5930 COLLEGE AVE. OAKLAND CA

Technician: R. VASQUEZ/M. MOORETHEAD Method: ELECTRONIC

Boring/ Well	Depth to Water (feet)	Depth to Product (feet)	Product Thickness (feet)	Total Well Depth (feet)	Comments
PW-1	11.32	ND	N/A	19.78	@ 1007
MW-3	10.13	↓	↓	19.03	@ 1009
MW-2	11.75	↓	↓	19.58	@ 1011
MW-1	10.43	↓	↓	14.46	@ 1012

Measurements referenced to top of well casing. NORTH SHARPIE MARK Page 1 of 1

ND = NON-DETECT

N/A = NON-APPLICABLE

WELL NUMBER / FIELD POINT ID: PW-1

DATE: November 21, 2016

PROJECT / GLOBAL ID: Global ID: 4th Quarter 2016 Groundwater Monitoring / T0600102112

SITE LOCATION: 5930 College Avenue, Oakland

CITY: OAKLAND STATE: CA

PURGE DEVICE

circle one submersible pump (peristaltic pump) bladder pump disposable bailer

SAMPLING DEVICE

circle one submersible pump (peristaltic pump) bladder pump disposable bailer

casing diameter (inches)	*circle one*	0.75	1	1.5	(2)	4	6
casing volumes (gallons/liters)	*circle one*	**0.02**/0.08	**0.05**/0.19	**0.15**/0.57	(**0.2**/0.75)	**0.7**/2.65	**1.52**/5.75

WELL DATA

SAMPLER/S: R. VASQUEZ / M. MOORE FIELDS

WELL NUMBER / FIELD POINT ID: PW-1

SCREEN INTERVAL (if known):

A. TOTAL WELL DEPTH: 19.78

B. DEPTH TO WATER: 11.32

C. WATER HEIGHT (A-B): 8.46

D. WELL CASING DIAMETER: 2

E. CASING VOLUME: 0.2

F. SINGLE CASE VOLUME (CxE): 1692

G: 80% RECHARGE LEVEL (F+B): 13.012

PURGE DATA

START TIME: 1019

PUMP DEPTH: 16

FINISH TIME: 1033

PUMP DEPTH: 16

SAMPLE TIME 1035

DEPTH TO WATER: 12.04 TIME MEASURED: 1033

SAMPLE APPEARANCE / ODOR: CLEAR NO ODOR

~TOTAL LITERS PURGED: 2.4

WELL FLUID PARAMETERS

Time (interval 3 to 5 min.)	0	3	6	9	12
~Total Volume Purged (L)	0	.6	1.2	1.8	2.4
pH (su)	6.52	6.41	6.63	6.34	6.33
Temperature (Celsius)	16.4	16.3	17.0	17.2	17.2
COND / SC (us/cm)	535	652	546	544	543
DO (mg/L / %)	N/A	→	→	→	→
ORP (mV)	28	3	2	9	21
DTW (ft.)	11.32	11.63	11.79	11.90	12.04
~Pump Depth (ft)	16	→	→	→	→
~Pump Rate (mL/min.)	200mL/min	→	→	→	→

RV

11-21-

WELL NUMBER / FIELD POINT ID: MW-1
DATE: November 21, 2016
PROJECT / GLOBAL ID: Global ID: 4th Quarter 2016 Groundwater Monitoring / T0600102112
SITE LOCATION: 5930 College Avenue, Oakland
CITY: OAKLAND STATE: CA

PURGE DEVICE

circle one submersible pump peristaltic pump bladder pump disposable bailer

SAMPLING DEVICE

circle one submersible pump peristaltic pump bladder pump disposable bailer

casing diameter (inches)	*circle one*	0.75	1	1.5	2	4	6
casing volumes (gallons/liters)	*circle one*	**0.02**/0.08	**0.05**/0.19	**0.15**/0.57	**0.2**/0.75	**0.7**/2.65	**1.52**/5.75

WELL DATA

SAMPLER/S: R. MROCZ / M. MOORE-FIELD
WELL NUMBER / FIELD POINT ID: MW-1
SCREEN INTERVAL (if known):
A. TOTAL WELL DEPTH: 14.46
B. DEPTH TO WATER: 10.43
C. WATER HEIGHT (A-B): 4.03
D. WELL CASING DIAMETER: 2
E. CASING VOLUME: 0.7
F. SINGLE CASE VOLUME (CxE): 0.806
G: 80% RECHARGE LEVEL (F+B): 11.236

PURGE DATA

START TIME: 1152
PUMP DEPTH: 12'
FINISH TIME: 1204
PUMP DEPTH: 12'

SAMPLE TIME 1204-1206
DEPTH TO WATER: 11.03 TIME MEASURED: 1204
SAMPLE APPEARANCE / ODOR:
~TOTAL LITERS PURGED:

WELL FLUID PARAMETERS

Time (interval 3 to 5 min.)	0	3	6	9	12			
~Total Volume Purged (L)	0	.6	1.2	1.8	2.4			
pH (su)	6.52	6.56	6.56	6.54	6.53	11-21-16		
Temperature (Celsius)	18.9	18.6	19.1	19.2	19.2	M.		
COND / SC (us/cm)	1231	1206	1233	1246	1245			
DO (mg/L / %)	N/A	→	→	→	→		MOOREFIELD	
ORP (mV)	-94	-84	-92	-79	-80			
DTW (ft.)	10.43	10.56	10.85	10.93	11.03			
~Pump Depth (ft)	12'	→	→	→	→			
~Pump Rate (mL/min.)	200mL/min	→	→	→	→			

WELL NUMBER / FIELD POINT ID: MW-2

DATE: November 21, 2016

PROJECT / GLOBAL ID: Global ID: 4th Quarter 2016 Groundwater Monitoring / T0600102112

SITE LOCATION: 5930 College Avenue, Oakland

CITY: OAKLAND STATE: CA

PURGE DEVICE

circle one submersible pump (peristaltic pump) bladder pump disposable bailer

SAMPLING DEVICE

circle one submersible pump (peristaltic pump) bladder pump disposable bailer

casing diameter (inches) *circle one* 0.75 1 1.5 (2) 4 6

casing volumes (gallons/liters) *circle one* **0.02**/0.08 **0.05**/0.19 **0.15**/0.57 ~~**0.2**/0.75~~ **0.7**/2.65 **1.52**/5.75

WELL DATA

SAMPLER/S: R. VARNER / M. MOORE-FIELD

WELL NUMBER / FIELD POINT ID: MW-2

SCREEN INTERVAL (if known):

A. TOTAL WELL DEPTH: 19.58

B. DEPTH TO WATER: ~~6ft-5ft~~ 11.75

C. WATER HEIGHT (A-B): 7.83

D. WELL CASING DIAMETER: 2

E. CASING VOLUME: .75

F. SINGLE CASE VOLUME (CxE): 5.8725

G: 80% RECHARGE LEVEL (F+B): 17.6225

PURGE DATA

START TIME: 1124

PUMP DEPTH: 16

FINISH TIME: 1133

PUMP DEPTH: 16

SAMPLE TIME 1135

DEPTH TO WATER: 1245 TIME MEASURED: 1133

SAMPLE APPEARANCE / ODOR: CLEAR SOME ODOR

~TOTAL LITERS PURGED:

WELL FLUID PARAMETERS

Time (interval 3 to 5 min.)	0	3	6	9				
~Total Volume Purged (L)	0	.6	1.2	1.8				
pH (su)	6.51	6.52	6.52	6.52		M-		
Temperature (Celsius)	19.0	18.5	19.0	19.1		11-21-16		
COND / SC (us/cm)	1287	1286	1245	1297			MOORE FIELD	
DO (mg/L / %)	NA	→	→	→				
ORP (mV)	-70	-74	-68	-69				
DTW (ft.)	11.75	11.10	12.35	1245				
~Pump Depth (ft)	16	→	→	⇒				
~Pump Rate (mL/min.)	200mL/min	→	→	→				

PAGE 1 OF 1

WELL NUMBER / FIELD POINT ID: MW-3

DATE: November 21, 2016

PROJECT / GLOBAL ID: Global ID: 4th Quarter 2016 Groundwater Monitoring / T0600102112

SITE LOCATION: 5930 College Avenue, Oakland

CITY: OAKLAND STATE: CA

PURGE DEVICE

circle one: submersible pump ~~peristaltic pump~~ bladder pump disposable bailer

SAMPLING DEVICE

circle one: submersible pump ~~peristaltic pump~~ bladder pump disposable bailer

casing diameter (inches)	circle one	0.75	1	1.5	~~2~~	4	6
casing volumes (gallons/liters)	circle one	**0.02**/0.08	**0.05**/0.19	**0.15**/0.57	~~**0.2**/0.75~~	**0.7**/2.65	**1.52**/5.75

WELL DATA

SAMPLER/S: R. VASQUEZ / M. MOORE FIELD

WELL NUMBER / FIELD POINT ID: MW-3

SCREEN INTERVAL (if known):

A. TOTAL WELL DEPTH: 19.3

B. DEPTH TO WATER: 10.13

C. WATER HEIGHT (A-B): 9.17

D. WELL CASING DIAMETER: 2

E. CASING VOLUME: 0.2

F. SINGLE CASE VOLUME (CxE): 1.834

G: 80% RECHARGE LEVEL (F+B): 11.764

PURGE DATA

START TIME: 1056

PUMP DEPTH: 15'

FINISH TIME: 1106

PUMP DEPTH: 15'

SAMPLE TIME 1108

DEPTH TO WATER: 10.93 TIME MEASURED: 1106

SAMPLE APPEARANCE / ODOR: CLEAR NO ODOR

~TOTAL LITERS PURGED: 1.8

WELL FLUID PARAMETERS

Time (interval 3 to 5 min.)	0	3	6	9				
~Total Volume Purged (L)	0	.6	1.2	1.8				
pH (su)	6.57	6.61	6.63	6.63		M.		
Temperature (Celsius)	18.8	19.2	19.2	19.3		11-21-16	MOORE FIELD	
COND / SC (us/cm)	677	683	687	683				
DO (mg/L / %)	→	→	→	→				
ORP (mV)	-79	-73	-74	-80				
DTW (ft.)	10.13	10.49	10.79	10.93				
~Pump Depth (ft)	15'	→	→	→				
~Pump Rate (mL/min.)	200mL p.min	→	→	→				

GROUNDWATER MONITORING REPORT
4th Quarter 2016

Sheaff's Service Garage
5930 College Avenue, Oakland, CA 94618

ACHCSA Fuel Leak Case No. RO0000377
WGE Project # 2016106

ATTACHMENT B

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

Wheeler Group Environmental, LLC
369-B Third Street, Suite #221, San Rafael, CA 94901

Brent A. Wheeler
Wheeler Group Environmental, LLC
369-B Third Street, Suite #221
San Rafael, California 94901
Tel: P: 415-686-8846

RE: 5930 College Avenue, Oakland

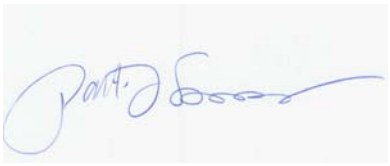
Work Order No.: 1611225

Dear Brent Wheeler:

Torrent Laboratory, Inc. received 4 sample(s) on November 22, 2016 for the analyses presented in the following Report.

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

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



Patti L Sandrock
QA Officer

December 01, 2016
Date

Date: 12/1/2016

Client: Wheeler Group Environmental, LLC

Project: 5930 College Avenue, Oakland

Work Order: 1611225

CASE NARRATIVE

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

Unless otherwise indicated in the following narrative, no results have been method and/or field blank corrected.

Reported results relate only to the items/samples tested by the laboratory.

This report shall not be reproduced, except in full, without the written approval of Torrent Analytical, Inc.

Analytical Comments for method TPHDOSG_W_8015B, samples 1611225-001B - 004B, Note: S - Pentacosane Surrogate recovery outside the laboratory control limit due to potential matrix effects (heavy emulsion present during extraction)

Torrent LABORATORY, INC.

Sample Result Summary

Report prepared for: Brent Wheeler
Wheeler Group Environmental, LLC

Date Received: 11/22/16
Date Reported: 12/01/16

MW-1 1611225-001

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
TPH(Gasoline)	8260TPH	84	2500	4200	29300	ug/L
TPH as Diesel	SW8015B	3	0.11	0.30	4.44	mg/L
TPH as Diesel (SG)	SW8015B	1	0.037	0.10	1.75	mg/L
MTBE	SW8260B	1	0.077	0.50	42	ug/L
Isopropyl Benzene	SW8260B	1	0.22	0.50	55	ug/L
1,2,3-Trichloropropane	SW8260B	1	0.15	0.50	5.8	ug/L
n-Butylbenzene	SW8260B	1	0.27	0.50	21	ug/L
Benzene	SW8260B	84	13	42	4000	ug/L
Toluene	SW8260B	84	12	42	390	ug/L
Ethyl Benzene	SW8260B	84	16	42	1700	ug/L
m,p-Xylene	SW8260B	84	33	84	3400	ug/L
o-Xylene	SW8260B	84	13	42	1200	ug/L
n-Propylbenzene	SW8260B	84	25	42	160	ug/L
1,3,5-Trimethylbenzene	SW8260B	84	20	42	160	ug/L
1,2,4-Trimethylbenzene	SW8260B	84	19	42	700	ug/L
Naphthalene	SW8260B	84	100	170	400	ug/L

MW-2 1611225-002

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
TPH(Gasoline)	8260TPH	21	610	1100	5110	ug/L
TPH as Diesel	SW8015B	3	0.11	0.30	4.06	mg/L
TPH as Diesel (SG)	SW8015B	1	0.037	0.10	1.17	mg/L
MTBE	SW8260B	1	0.077	0.50	4.7	ug/L
Toluene	SW8260B	1	0.14	0.50	12	ug/L
Ethyl Benzene	SW8260B	1	0.20	0.50	43	ug/L
m,p-Xylene	SW8260B	1	0.39	1.0	16	ug/L
o-Xylene	SW8260B	1	0.15	0.50	2.7	ug/L
Isopropyl Benzene	SW8260B	1	0.22	0.50	46	ug/L
n-Propylbenzene	SW8260B	1	0.30	0.50	130	ug/L
1,3,5-Trimethylbenzene	SW8260B	1	0.24	0.50	1.6	ug/L
1,2,4-Trimethylbenzene	SW8260B	1	0.23	0.50	1.3	ug/L
sec-Butyl Benzene	SW8260B	1	0.30	0.50	11	ug/L
n-Butylbenzene	SW8260B	1	0.27	0.50	28	ug/L
Naphthalene	SW8260B	1	1.2	2.0	13	ug/L
Benzene	SW8260B	21	3.3	11	300	ug/L

Torrent LABORATORY, INC.

Sample Result Summary

Report prepared for: Brent Wheeler
Wheeler Group Environmental, LLC

Date Received: 11/22/16
Date Reported: 12/01/16

MW-3 1611225-003

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
TPH(Gasoline)	8260TPH	10.5	310	530	4290	ug/L
TPH as Diesel	SW8015B	1	0.037	0.10	0.996	mg/L
TPH as Diesel (SG)	SW8015B	1	0.037	0.10	0.351	mg/L
MTBE	SW8260B	1	0.077	0.50	4.6	ug/L
Toluene	SW8260B	1	0.14	0.50	16	ug/L
m,p-Xylene	SW8260B	1	0.39	1.0	26	ug/L
o-Xylene	SW8260B	1	0.15	0.50	1.6	ug/L
Isopropyl Benzene	SW8260B	1	0.22	0.50	25	ug/L
n-Propylbenzene	SW8260B	1	0.30	0.50	72	ug/L
1,3,5-Trimethylbenzene	SW8260B	1	0.24	0.50	2.7	ug/L
tert-Butylbenzene	SW8260B	1	0.26	0.50	0.83	ug/L
1,2,4-Trimethylbenzene	SW8260B	1	0.23	0.50	2.4	ug/L
sec-Butyl Benzene	SW8260B	1	0.30	0.50	6.5	ug/L
p-Isopropyltoluene	SW8260B	1	0.27	0.50	3.1	ug/L
n-Butylbenzene	SW8260B	1	0.27	0.50	11	ug/L
Naphthalene	SW8260B	1	1.2	2.0	30	ug/L
Benzene	SW8260B	10.5	1.6	5.3	300	ug/L
Ethyl Benzene	SW8260B	10.5	2.0	5.3	170	ug/L

PW-1 1611225-004

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
TPH(Gasoline)	8260TPH	1	29	50	265	ug/L
TPH as Diesel	SW8015B	1	0.037	0.10	0.170	mg/L
cis-1,2-Dichloroethene	SW8260B	1	0.15	0.50	31	ug/L
Benzene	SW8260B	1	0.16	0.50	2.1	ug/L
Trichloroethylene	SW8260B	1	0.15	0.50	9.0	ug/L
Tetrachloroethylene	SW8260B	1	0.24	0.50	15	ug/L
Ethyl Benzene	SW8260B	1	0.20	0.50	0.51	ug/L
1,2,4-Trimethylbenzene	SW8260B	1	0.23	0.50	1.7	ug/L
sec-Butyl Benzene	SW8260B	1	0.30	0.50	0.71	ug/L

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Brent Wheeler
Wheeler Group Environmental, LLC

Date/Time Received: 11/22/16, 9:04 am
Date Reported: 12/01/16

Client Sample ID:	MW-1	**Lab Sample ID:**	1611225-001A
Project Name/Location:	5930 College Avenue, Oakland	**Sample Matrix:**	Groundwater
Project Number:			
Date/Time Sampled:	11/21/16 / 12:06		
SDG:			
Tag Number:	5930 College Ave		

Prep Method:	5030VOC	**Prep Batch Date/Time:**	11/23/16 9:10:00AM
Prep Batch ID:	3668	**Prep Analyst:**	BPATEL

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Dichlorodifluoromethane	SW8260B	1	0.26	0.50	ND		ug/L	11/23/16	18:19	BP	421255
Chloromethane	SW8260B	1	0.17	0.50	ND		ug/L	11/23/16	18:19	BP	421255
Vinyl Chloride	SW8260B	1	0.21	0.50	ND		ug/L	11/23/16	18:19	BP	421255
Bromomethane	SW8260B	1	0.21	0.50	ND		ug/L	11/23/16	18:19	BP	421255
Chloroethane	SW8260B	1	0.11	0.50	ND		ug/L	11/23/16	18:19	BP	421255
Trichlorofluoromethane	SW8260B	1	0.19	0.50	ND		ug/L	11/23/16	18:19	BP	421255
1,1-Dichloroethene	SW8260B	1	0.14	0.50	ND		ug/L	11/23/16	18:19	BP	421255
Freon 113	SW8260B	1	0.34	0.50	ND		ug/L	11/23/16	18:19	BP	421255
Methylene Chloride	SW8260B	1	0.13	0.50	ND		ug/L	11/23/16	18:19	BP	421255
trans-1,2-Dichloroethene	SW8260B	1	0.16	0.50	ND		ug/L	11/23/16	18:19	BP	421255
MTBE	SW8260B	1	0.077	0.50	**42**		ug/L	11/23/16	18:19	BP	421255
tert-Butanol	SW8260B	1	7.4	10	ND		ug/L	11/23/16	18:19	BP	421255
Diisopropyl ether (DIPE)	SW8260B	1	0.12	0.50	ND		ug/L	11/23/16	18:19	BP	421255
1,1-Dichloroethane	SW8260B	1	0.12	0.50	ND		ug/L	11/23/16	18:19	BP	421255
ETBE	SW8260B	1	0.064	0.50	ND		ug/L	11/23/16	18:19	BP	421255
cis-1,2-Dichloroethene	SW8260B	1	0.15	0.50	ND		ug/L	11/23/16	18:19	BP	421255
2,2-Dichloropropane	SW8260B	1	0.094	0.50	ND		ug/L	11/23/16	18:19	BP	421255
Bromochloromethane	SW8260B	1	0.15	0.50	ND		ug/L	11/23/16	18:19	BP	421255
Chloroform	SW8260B	1	0.12	0.50	ND		ug/L	11/23/16	18:19	BP	421255
Carbon Tetrachloride	SW8260B	1	0.16	0.50	ND		ug/L	11/23/16	18:19	BP	421255
1,1,1-Trichloroethane	SW8260B	1	0.16	0.50	ND		ug/L	11/23/16	18:19	BP	421255
1,1-Dichloropropene	SW8260B	1	0.19	0.50	ND		ug/L	11/23/16	18:19	BP	421255
TAME	SW8260B	1	0.072	0.50	ND		ug/L	11/23/16	18:19	BP	421255
1,2-Dichloroethane	SW8260B	1	0.11	0.50	ND		ug/L	11/23/16	18:19	BP	421255
Trichloroethylene	SW8260B	1	0.15	0.50	ND		ug/L	11/23/16	18:19	BP	421255
Dibromomethane	SW8260B	1	0.11	0.50	ND		ug/L	11/23/16	18:19	BP	421255
1,2-Dichloropropane	SW8260B	1	0.089	0.50	ND		ug/L	11/23/16	18:19	BP	421255
Bromodichloromethane	SW8260B	1	0.076	0.50	ND		ug/L	11/23/16	18:19	BP	421255
cis-1,3-Dichloropropene	SW8260B	1	0.078	0.50	ND		ug/L	11/23/16	18:19	BP	421255
Tetrachloroethylene	SW8260B	1	0.24	0.50	ND		ug/L	11/23/16	18:19	BP	421255
trans-1,3-Dichloropropene	SW8260B	1	0.22	0.50	ND		ug/L	11/23/16	18:19	BP	421255
1,1,2-Trichloroethane	SW8260B	1	0.076	0.50	ND		ug/L	11/23/16	18:19	BP	421255
Dibromochloromethane	SW8260B	1	0.18	0.50	ND		ug/L	11/23/16	18:19	BP	421255
1,3-Dichloropropane	SW8260B	1	0.22	0.50	ND		ug/L	11/23/16	18:19	BP	421255

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Brent Wheeler
Wheeler Group Environmental, LLC

Date/Time Received: 11/22/16, 9:04 am
Date Reported: 12/01/16

Client Sample ID:	MW-1	**Lab Sample ID:**	1611225-001A
Project Name/Location:	5930 College Avenue, Oakland	**Sample Matrix:**	Groundwater
Project Number:			
Date/Time Sampled:	11/21/16 / 12:06		
SDG:			
Tag Number:	5930 College Ave		

Prep Method:	5030VOC	**Prep Batch Date/Time:**	11/23/16 9:10:00AM
Prep Batch ID:	3668	**Prep Analyst:**	BPATEL

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
1,2-Dibromoethane	SW8260B	1	0.079	0.50	ND		ug/L	11/23/16	18:19	BP	421255
Chlorobenzene	SW8260B	1	0.16	0.50	ND		ug/L	11/23/16	18:19	BP	421255
1,1,1,2-Tetrachloroethane	SW8260B	1	0.087	0.50	ND		ug/L	11/23/16	18:19	BP	421255
Styrene	SW8260B	1	0.11	0.50	ND		ug/L	11/23/16	18:19	BP	421255
Bromoform	SW8260B	1	0.076	0.50	ND		ug/L	11/23/16	18:19	BP	421255
Isopropyl Benzene	SW8260B	1	0.22	0.50	**55**		ug/L	11/23/16	18:19	BP	421255
Bromobenzene	SW8260B	1	0.15	0.50	ND		ug/L	11/23/16	18:19	BP	421255
1,1,2,2-Tetrachloroethane	SW8260B	1	0.079	0.50	ND		ug/L	11/23/16	18:19	BP	421255
2-Chlorotoluene	SW8260B	1	0.25	0.50	ND		ug/L	11/23/16	18:19	BP	421255
1,2,3-Trichloropropane	SW8260B	1	0.15	0.50	**5.8**		ug/L	11/23/16	18:19	BP	421255
4-Chlorotoluene	SW8260B	1	0.22	0.50	ND		ug/L	11/23/16	18:19	BP	421255
tert-Butylbenzene	SW8260B	1	0.26	0.50	ND		ug/L	11/23/16	18:19	BP	421255
sec-Butyl Benzene	SW8260B	1	0.30	0.50	ND		ug/L	11/23/16	18:19	BP	421255
p-Isopropyltoluene	SW8260B	1	0.27	0.50	ND		ug/L	11/23/16	18:19	BP	421255
1,3-Dichlorobenzene	SW8260B	1	0.17	0.50	ND		ug/L	11/23/16	18:19	BP	421255
1,4-Dichlorobenzene	SW8260B	1	0.18	0.50	ND		ug/L	11/23/16	18:19	BP	421255
n-Butylbenzene	SW8260B	1	0.27	0.50	**21**		ug/L	11/23/16	18:19	BP	421255
1,2-Dichlorobenzene	SW8260B	1	0.16	0.50	ND		ug/L	11/23/16	18:19	BP	421255
1,2-Dibromo-3-Chloropropane	SW8260B	1	0.76	2.0	ND		ug/L	11/23/16	18:19	BP	421255
Hexachlorobutadiene	SW8260B	1	0.62	2.0	ND		ug/L	11/23/16	18:19	BP	421255
1,2,4-Trichlorobenzene	SW8260B	1	0.93	2.0	ND		ug/L	11/23/16	18:19	BP	421255
1,2,3-Trichlorobenzene	SW8260B	1	1.2	2.0	ND		ug/L	11/23/16	18:19	BP	421255
(S) Dibromofluoromethane	SW8260B		61.2 - 131		**99.9**		%	11/23/16	18:19	BP	421255
(S) Toluene-d8	SW8260B		75.1 - 127		**89.0**		%	11/23/16	18:19	BP	421255
(S) 4-Bromofluorobenzene	SW8260B		64.1 - 120		**93.6**		%	11/23/16	18:19	BP	421255

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Brent Wheeler
Wheeler Group Environmental, LLC

Date/Time Received: 11/22/16, 9:04 am
Date Reported: 12/01/16

Client Sample ID:	MW-1	**Lab Sample ID:**	1611225-001A
Project Name/Location:	5930 College Avenue, Oakland	**Sample Matrix:**	Groundwater
Project Number:			
Date/Time Sampled:	11/21/16 / 12:06		
SDG:			
Tag Number:	5930 College Ave		

Prep Method: 5030VOC **Prep Batch Date/Time:** 11/29/16 10:49:00AM
Prep Batch ID: 3754 **Prep Analyst:** BPATEL

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Benzene	SW8260B	84	13	42	**4000**		ug/L	11/29/16	15:48	BP	421336
Toluene	SW8260B	84	12	42	**390**		ug/L	11/29/16	15:48	BP	421336
Ethyl Benzene	SW8260B	84	16	42	**1700**		ug/L	11/29/16	15:48	BP	421336
m,p-Xylene	SW8260B	84	33	84	**3400**		ug/L	11/29/16	15:48	BP	421336
o-Xylene	SW8260B	84	13	42	**1200**		ug/L	11/29/16	15:48	BP	421336
n-Propylbenzene	SW8260B	84	25	42	**160**		ug/L	11/29/16	15:48	BP	421336
1,3,5-Trimethylbenzene	SW8260B	84	20	42	**160**		ug/L	11/29/16	15:48	BP	421336
1,2,4-Trimethylbenzene	SW8260B	84	19	42	**700**		ug/L	11/29/16	15:48	BP	421336
Naphthalene	SW8260B	84	100	170	**400**		ug/L	11/29/16	15:48	BP	421336
(S) Dibromofluoromethane	SW8260B		61.2 - 131		**95.5**		%	11/29/16	15:48	BP	421336
(S) Toluene-d8	SW8260B		75.1 - 127		**91.6**		%	11/29/16	15:48	BP	421336
(S) 4-Bromofluorobenzene	SW8260B		64.1 - 120		**91.5**		%	11/29/16	15:48	BP	421336

Prep Method: 5030GRO **Prep Batch Date/Time:** 11/29/16 10:49:00AM
Prep Batch ID: 3755 **Prep Analyst:** BPATEL

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH(Gasoline)	8260TPH	84	2500	4200	**29300**	x	ug/L	11/29/16	15:48	BP	421336
(S) 4-Bromofluorobenzene	8260TPH		41.5 - 125		**82.7**		ug/L	11/29/16	15:48	BP	421336

NOTE: x - Although TPH as Gasoline constituents are present, sample chromatogram does not resemble pattern of reference Gasoline standard.

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Brent Wheeler
Wheeler Group Environmental, LLC

Date/Time Received: 11/22/16, 9:04 am
Date Reported: 12/01/16

Client Sample ID:	MW-1	**Lab Sample ID:**	1611225-001B
Project Name/Location:	5930 College Avenue, Oakland	**Sample Matrix:**	Groundwater
Project Number:			
Date/Time Sampled:	11/21/16 / 12:06		
SDG:			
Tag Number:	5930 College Ave		

Prep Method: 3510_TPH **Prep Batch Date/Time:** 11/28/16 12:58:00PM
Prep Batch ID: 3659 **Prep Analyst:** MKAUR

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Diesel	SW8015B	3	0.11	0.30	**4.44**	x	mg/L	11/28/16	11:52	MK	421302
			Acceptance Limits								
Pentacosane (S)	SW8015B		59 - 129		**20.9**	S	%	11/28/16	11:52	MK	421302

NOTE: x- Chromatographic pattern does not resemble typical diesel reference standard; unknown organics within diesel range lighter than diesel quantified as diesel.S-Marix interference:see narrative

Prep Method: 3510_TPH SG **Prep Batch Date/Time:** 11/28/16 12:58:00PM
Prep Batch ID: 3660 **Prep Analyst:** MKAUR

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Diesel (SG)	SW8015B	1	0.037	0.10	**1.75**	x	mg/L	11/28/16	22:05	MK	421303
			Acceptance Limits								
Pentacosane (S)	SW8015B		59 - 129		**16.1**	S	%	11/28/16	22:05	MK	421303

NOTE: Chromatographic pattern does not resemble typical diesel reference standard; unknown organics within diesel range lighter than diesel quantified as diesel..

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Brent Wheeler
Wheeler Group Environmental, LLC

Date/Time Received: 11/22/16, 9:04 am
Date Reported: 12/01/16

Client Sample ID:	MW-2	**Lab Sample ID:**	1611225-002A
Project Name/Location:	5930 College Avenue, Oakland	**Sample Matrix:**	Groundwater
Project Number:			
Date/Time Sampled:	11/21/16 / 11:35		
SDG:			
Tag Number:	5930 College Ave		

Prep Method:	5030VOC	**Prep Batch Date/Time:**	11/23/16 9:10:00AM
Prep Batch ID:	3668	**Prep Analyst:**	BPATEL

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Dichlorodifluoromethane	SW8260B	1	0.26	0.50	ND		ug/L	11/23/16	18:48	BP	421255
Chloromethane	SW8260B	1	0.17	0.50	ND		ug/L	11/23/16	18:48	BP	421255
Vinyl Chloride	SW8260B	1	0.21	0.50	ND		ug/L	11/23/16	18:48	BP	421255
Bromomethane	SW8260B	1	0.21	0.50	ND		ug/L	11/23/16	18:48	BP	421255
Chloroethane	SW8260B	1	0.11	0.50	ND		ug/L	11/23/16	18:48	BP	421255
Trichlorofluoromethane	SW8260B	1	0.19	0.50	ND		ug/L	11/23/16	18:48	BP	421255
1,1-Dichloroethene	SW8260B	1	0.14	0.50	ND		ug/L	11/23/16	18:48	BP	421255
Freon 113	SW8260B	1	0.34	0.50	ND		ug/L	11/23/16	18:48	BP	421255
Methylene Chloride	SW8260B	1	0.13	0.50	ND		ug/L	11/23/16	18:48	BP	421255
trans-1,2-Dichloroethene	SW8260B	1	0.16	0.50	ND		ug/L	11/23/16	18:48	BP	421255
MTBE	SW8260B	1	0.077	0.50	**4.7**		ug/L	11/23/16	18:48	BP	421255
tert-Butanol	SW8260B	1	7.4	10	ND		ug/L	11/23/16	18:48	BP	421255
Diisopropyl ether (DIPE)	SW8260B	1	0.12	0.50	ND		ug/L	11/23/16	18:48	BP	421255
1,1-Dichloroethane	SW8260B	1	0.12	0.50	ND		ug/L	11/23/16	18:48	BP	421255
ETBE	SW8260B	1	0.064	0.50	ND		ug/L	11/23/16	18:48	BP	421255
cis-1,2-Dichloroethene	SW8260B	1	0.15	0.50	ND		ug/L	11/23/16	18:48	BP	421255
2,2-Dichloropropane	SW8260B	1	0.094	0.50	ND		ug/L	11/23/16	18:48	BP	421255
Bromochloromethane	SW8260B	1	0.15	0.50	ND		ug/L	11/23/16	18:48	BP	421255
Chloroform	SW8260B	1	0.12	0.50	ND		ug/L	11/23/16	18:48	BP	421255
Carbon Tetrachloride	SW8260B	1	0.16	0.50	ND		ug/L	11/23/16	18:48	BP	421255
1,1,1-Trichloroethane	SW8260B	1	0.16	0.50	ND		ug/L	11/23/16	18:48	BP	421255
1,1-Dichloropropene	SW8260B	1	0.19	0.50	ND		ug/L	11/23/16	18:48	BP	421255
TAME	SW8260B	1	0.072	0.50	ND		ug/L	11/23/16	18:48	BP	421255
1,2-Dichloroethane	SW8260B	1	0.11	0.50	ND		ug/L	11/23/16	18:48	BP	421255
Trichloroethylene	SW8260B	1	0.15	0.50	ND		ug/L	11/23/16	18:48	BP	421255
Dibromomethane	SW8260B	1	0.11	0.50	ND		ug/L	11/23/16	18:48	BP	421255
1,2-Dichloropropane	SW8260B	1	0.089	0.50	ND		ug/L	11/23/16	18:48	BP	421255
Bromodichloromethane	SW8260B	1	0.076	0.50	ND		ug/L	11/23/16	18:48	BP	421255
cis-1,3-Dichloropropene	SW8260B	1	0.078	0.50	ND		ug/L	11/23/16	18:48	BP	421255
Toluene	SW8260B	1	0.14	0.50	**12**		ug/L	11/23/16	18:48	BP	421255
Tetrachloroethylene	SW8260B	1	0.24	0.50	ND		ug/L	11/23/16	18:48	BP	421255
trans-1,3-Dichloropropene	SW8260B	1	0.22	0.50	ND		ug/L	11/23/16	18:48	BP	421255
1,1,2-Trichloroethane	SW8260B	1	0.076	0.50	ND		ug/L	11/23/16	18:48	BP	421255
Dibromochloromethane	SW8260B	1	0.18	0.50	ND		ug/L	11/23/16	18:48	BP	421255

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Brent Wheeler
Wheeler Group Environmental, LLC

Date/Time Received: 11/22/16, 9:04 am
Date Reported: 12/01/16

Client Sample ID:	MW-2	**Lab Sample ID:**	1611225-002A
Project Name/Location:	5930 College Avenue, Oakland	**Sample Matrix:**	Groundwater
Project Number:			
Date/Time Sampled:	11/21/16 / 11:35		
SDG:			
Tag Number:	5930 College Ave		

Prep Method:	5030VOC	**Prep Batch Date/Time:**	11/23/16 9:10:00AM
Prep Batch ID:	3668	**Prep Analyst:**	BPATEL

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
1,3-Dichloropropane	SW8260B	1	0.22	0.50	ND		ug/L	11/23/16	18:48	BP	421255
1,2-Dibromoethane	SW8260B	1	0.079	0.50	ND		ug/L	11/23/16	18:48	BP	421255
Chlorobenzene	SW8260B	1	0.16	0.50	ND		ug/L	11/23/16	18:48	BP	421255
Ethyl Benzene	SW8260B	1	0.20	0.50	**43**		ug/L	11/23/16	18:48	BP	421255
1,1,1,2-Tetrachloroethane	SW8260B	1	0.087	0.50	ND		ug/L	11/23/16	18:48	BP	421255
m,p-Xylene	SW8260B	1	0.39	1.0	**16**		ug/L	11/23/16	18:48	BP	421255
o-Xylene	SW8260B	1	0.15	0.50	**2.7**		ug/L	11/23/16	18:48	BP	421255
Styrene	SW8260B	1	0.11	0.50	ND		ug/L	11/23/16	18:48	BP	421255
Bromoform	SW8260B	1	0.076	0.50	ND		ug/L	11/23/16	18:48	BP	421255
Isopropyl Benzene	SW8260B	1	0.22	0.50	**46**		ug/L	11/23/16	18:48	BP	421255
n-Propylbenzene	SW8260B	1	0.30	0.50	**130**		ug/L	11/23/16	18:48	BP	421255
Bromobenzene	SW8260B	1	0.15	0.50	ND		ug/L	11/23/16	18:48	BP	421255
1,1,2,2-Tetrachloroethane	SW8260B	1	0.079	0.50	ND		ug/L	11/23/16	18:48	BP	421255
2-Chlorotoluene	SW8260B	1	0.25	0.50	ND		ug/L	11/23/16	18:48	BP	421255
1,3,5-Trimethylbenzene	SW8260B	1	0.24	0.50	**1.6**		ug/L	11/23/16	18:48	BP	421255
1,2,3-Trichloropropane	SW8260B	1	0.15	0.50	ND		ug/L	11/23/16	18:48	BP	421255
4-Chlorotoluene	SW8260B	1	0.22	0.50	ND		ug/L	11/23/16	18:48	BP	421255
tert-Butylbenzene	SW8260B	1	0.26	0.50	ND		ug/L	11/23/16	18:48	BP	421255
1,2,4-Trimethylbenzene	SW8260B	1	0.23	0.50	**1.3**		ug/L	11/23/16	18:48	BP	421255
sec-Butyl Benzene	SW8260B	1	0.30	0.50	**11**		ug/L	11/23/16	18:48	BP	421255
p-Isopropyltoluene	SW8260B	1	0.27	0.50	ND		ug/L	11/23/16	18:48	BP	421255
1,3-Dichlorobenzene	SW8260B	1	0.17	0.50	ND		ug/L	11/23/16	18:48	BP	421255
1,4-Dichlorobenzene	SW8260B	1	0.18	0.50	ND		ug/L	11/23/16	18:48	BP	421255
n-Butylbenzene	SW8260B	1	0.27	0.50	**28**		ug/L	11/23/16	18:48	BP	421255
1,2-Dichlorobenzene	SW8260B	1	0.16	0.50	ND		ug/L	11/23/16	18:48	BP	421255
1,2-Dibromo-3-Chloropropane	SW8260B	1	0.76	2.0	ND		ug/L	11/23/16	18:48	BP	421255
Hexachlorobutadiene	SW8260B	1	0.62	2.0	ND		ug/L	11/23/16	18:48	BP	421255
1,2,4-Trichlorobenzene	SW8260B	1	0.93	2.0	ND		ug/L	11/23/16	18:48	BP	421255
Naphthalene	SW8260B	1	1.2	2.0	**13**		ug/L	11/23/16	18:48	BP	421255
1,2,3-Trichlorobenzene	SW8260B	1	1.2	2.0	ND		ug/L	11/23/16	18:48	BP	421255
(S) Dibromofluoromethane	SW8260B		61.2 - 131		**97.7**		%	11/23/16	18:48	BP	421255
(S) Toluene-d8	SW8260B		75.1 - 127		**93.0**		%	11/23/16	18:48	BP	421255
(S) 4-Bromofluorobenzene	SW8260B		64.1 - 120		**92.9**		%	11/23/16	18:48	BP	421255

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Brent Wheeler
Wheeler Group Environmental, LLC

Date/Time Received: 11/22/16, 9:04 am
Date Reported: 12/01/16

Client Sample ID:	MW-2	**Lab Sample ID:**	1611225-002A
Project Name/Location:	5930 College Avenue, Oakland	**Sample Matrix:**	Groundwater
Project Number:			
Date/Time Sampled:	11/21/16 / 11:35		
SDG:			
Tag Number:	5930 College Ave		

Prep Method: 5030VOC **Prep Batch Date/Time:** 11/29/16 10:49:00AM
Prep Batch ID: 3754 **Prep Analyst:** BPATEL

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Benzene	SW8260B	21	3.3	11	**300**		ug/L	11/29/16	14:24	BP	421336
(S) Dibromofluoromethane	SW8260B		61.2 - 131		**92.2**		%	11/29/16	14:24	BP	421336
(S) Toluene-d8	SW8260B		75.1 - 127		**91.9**		%	11/29/16	14:24	BP	421336
(S) 4-Bromofluorobenzene	SW8260B		64.1 - 120		**91.8**		%	11/29/16	14:24	BP	421336

NOTE: x - Although TPH as Gasoline constituents are present, sample chromatogram does not resemble pattern of reference Gasoline standard.

Prep Method: 5030GRO **Prep Batch Date/Time:** 11/29/16 10:49:00AM
Prep Batch ID: 3755 **Prep Analyst:** BPATEL

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH(Gasoline)	8260TPH	21	610	1100	**5110**	x	ug/L	11/29/16	14:24	BP	421336
(S) 4-Bromofluorobenzene	8260TPH		41.5 - 125		**84.9**		ug/L	11/29/16	14:24	BP	421336

NOTE: x - Although TPH as Gasoline constituents are present, sample chromatogram does not resemble pattern of reference Gasoline standard.

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Brent Wheeler
Wheeler Group Environmental, LLC

Date/Time Received: 11/22/16, 9:04 am
Date Reported: 12/01/16

Client Sample ID:	MW-2	**Lab Sample ID:**	1611225-002B
Project Name/Location:	5930 College Avenue, Oakland	**Sample Matrix:**	Groundwater
Project Number:			
Date/Time Sampled:	11/21/16 / 11:35		
SDG:			
Tag Number:	5930 College Ave		

Prep Method: 3510_TPH **Prep Batch Date/Time:** 11/28/16 12:58:00PM
Prep Batch ID: 3659 **Prep Analyst:** MKAUR

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Diesel	SW8015B	3	0.11	0.30	**4.06**	x	mg/L	11/28/16	11:52	MK	421302
			Acceptance Limits								
Pentacosane (S)	SW8015B		59 - 129		**29.0**	S	%	11/28/16	11:52	MK	421302

NOTE: x- Chromatographic pattern does not resemble typical diesel reference standard; unknown organics within diesel range lighter than diesel quantified as diesel. S-Marix interference:see narrative

Prep Method: 3510_TPH SG **Prep Batch Date/Time:** 11/28/16 12:58:00PM
Prep Batch ID: 3660 **Prep Analyst:** MKAUR

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Diesel (SG)	SW8015B	1	0.037	0.10	**1.17**	x	mg/L	11/28/16	22:28	MK	421303
			Acceptance Limits								
Pentacosane (S)	SW8015B		59 - 129		**22.7**	S	%	11/28/16	22:28	MK	421303

NOTE: x- Chromatographic pattern does not resemble typical diesel reference standard; unknown organics within diesel range lighter than diesel quantified as diesel.

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Brent Wheeler
Wheeler Group Environmental, LLC

Date/Time Received: 11/22/16, 9:04 am
Date Reported: 12/01/16

Client Sample ID:	MW-3	**Lab Sample ID:**	1611225-003A
Project Name/Location:	5930 College Avenue, Oakland	**Sample Matrix:**	Groundwater
Project Number:			
Date/Time Sampled:	11/21/16 / 11:08		
SDG:			
Tag Number:	5930 College Ave		

Prep Method:	5030VOC	**Prep Batch Date/Time:**	11/23/16 9:10:00AM
Prep Batch ID:	3668	**Prep Analyst:**	BPATEL

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Dichlorodifluoromethane	SW8260B	1	0.26	0.50	ND		ug/L	11/23/16	19:16	BP	421255
Chloromethane	SW8260B	1	0.17	0.50	ND		ug/L	11/23/16	19:16	BP	421255
Vinyl Chloride	SW8260B	1	0.21	0.50	ND		ug/L	11/23/16	19:16	BP	421255
Bromomethane	SW8260B	1	0.21	0.50	ND		ug/L	11/23/16	19:16	BP	421255
Chloroethane	SW8260B	1	0.11	0.50	ND		ug/L	11/23/16	19:16	BP	421255
Trichlorofluoromethane	SW8260B	1	0.19	0.50	ND		ug/L	11/23/16	19:16	BP	421255
1,1-Dichloroethene	SW8260B	1	0.14	0.50	ND		ug/L	11/23/16	19:16	BP	421255
Freon 113	SW8260B	1	0.34	0.50	ND		ug/L	11/23/16	19:16	BP	421255
Methylene Chloride	SW8260B	1	0.13	0.50	ND		ug/L	11/23/16	19:16	BP	421255
trans-1,2-Dichloroethene	SW8260B	1	0.16	0.50	ND		ug/L	11/23/16	19:16	BP	421255
MTBE	SW8260B	1	0.077	0.50	**4.6**		ug/L	11/23/16	19:16	BP	421255
tert-Butanol	SW8260B	1	7.4	10	ND		ug/L	11/23/16	19:16	BP	421255
Diisopropyl ether (DIPE)	SW8260B	1	0.12	0.50	ND		ug/L	11/23/16	19:16	BP	421255
1,1-Dichloroethane	SW8260B	1	0.12	0.50	ND		ug/L	11/23/16	19:16	BP	421255
ETBE	SW8260B	1	0.064	0.50	ND		ug/L	11/23/16	19:16	BP	421255
cis-1,2-Dichloroethene	SW8260B	1	0.15	0.50	ND		ug/L	11/23/16	19:16	BP	421255
2,2-Dichloropropane	SW8260B	1	0.094	0.50	ND		ug/L	11/23/16	19:16	BP	421255
Bromochloromethane	SW8260B	1	0.15	0.50	ND		ug/L	11/23/16	19:16	BP	421255
Chloroform	SW8260B	1	0.12	0.50	ND		ug/L	11/23/16	19:16	BP	421255
Carbon Tetrachloride	SW8260B	1	0.16	0.50	ND		ug/L	11/23/16	19:16	BP	421255
1,1,1-Trichloroethane	SW8260B	1	0.16	0.50	ND		ug/L	11/23/16	19:16	BP	421255
1,1-Dichloropropene	SW8260B	1	0.19	0.50	ND		ug/L	11/23/16	19:16	BP	421255
TAME	SW8260B	1	0.072	0.50	ND		ug/L	11/23/16	19:16	BP	421255
1,2-Dichloroethane	SW8260B	1	0.11	0.50	ND		ug/L	11/23/16	19:16	BP	421255
Trichloroethylene	SW8260B	1	0.15	0.50	ND		ug/L	11/23/16	19:16	BP	421255
Dibromomethane	SW8260B	1	0.11	0.50	ND		ug/L	11/23/16	19:16	BP	421255
1,2-Dichloropropane	SW8260B	1	0.089	0.50	ND		ug/L	11/23/16	19:16	BP	421255
Bromodichloromethane	SW8260B	1	0.076	0.50	ND		ug/L	11/23/16	19:16	BP	421255
cis-1,3-Dichloropropene	SW8260B	1	0.078	0.50	ND		ug/L	11/23/16	19:16	BP	421255
Toluene	SW8260B	1	0.14	0.50	**16**		ug/L	11/23/16	19:16	BP	421255
Tetrachloroethylene	SW8260B	1	0.24	0.50	ND		ug/L	11/23/16	19:16	BP	421255
trans-1,3-Dichloropropene	SW8260B	1	0.22	0.50	ND		ug/L	11/23/16	19:16	BP	421255
1,1,2-Trichloroethane	SW8260B	1	0.076	0.50	ND		ug/L	11/23/16	19:16	BP	421255
Dibromochloromethane	SW8260B	1	0.18	0.50	ND		ug/L	11/23/16	19:16	BP	421255

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Brent Wheeler
Wheeler Group Environmental, LLC

Date/Time Received: 11/22/16, 9:04 am
Date Reported: 12/01/16

Client Sample ID:	MW-3	**Lab Sample ID:**	1611225-003A
Project Name/Location:	5930 College Avenue, Oakland	**Sample Matrix:**	Groundwater
Project Number:			
Date/Time Sampled:	11/21/16 / 11:08		
SDG:			
Tag Number:	5930 College Ave		

Prep Method:	5030VOC	**Prep Batch Date/Time:**	11/23/16 9:10:00AM
Prep Batch ID:	3668	**Prep Analyst:**	BPATEL

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
1,3-Dichloropropane	SW8260B	1	0.22	0.50	ND		ug/L	11/23/16	19:16	BP	421255
1,2-Dibromoethane	SW8260B	1	0.079	0.50	ND		ug/L	11/23/16	19:16	BP	421255
Chlorobenzene	SW8260B	1	0.16	0.50	ND		ug/L	11/23/16	19:16	BP	421255
1,1,1,2-Tetrachloroethane	SW8260B	1	0.087	0.50	ND		ug/L	11/23/16	19:16	BP	421255
m,p-Xylene	SW8260B	1	0.39	1.0	**26**		ug/L	11/23/16	19:16	BP	421255
o-Xylene	SW8260B	1	0.15	0.50	**1.6**		ug/L	11/23/16	19:16	BP	421255
Styrene	SW8260B	1	0.11	0.50	ND		ug/L	11/23/16	19:16	BP	421255
Bromoform	SW8260B	1	0.076	0.50	ND		ug/L	11/23/16	19:16	BP	421255
Isopropyl Benzene	SW8260B	1	0.22	0.50	**25**		ug/L	11/23/16	19:16	BP	421255
n-Propylbenzene	SW8260B	1	0.30	0.50	**72**		ug/L	11/23/16	19:16	BP	421255
Bromobenzene	SW8260B	1	0.15	0.50	ND		ug/L	11/23/16	19:16	BP	421255
1,1,2,2-Tetrachloroethane	SW8260B	1	0.079	0.50	ND		ug/L	11/23/16	19:16	BP	421255
2-Chlorotoluene	SW8260B	1	0.25	0.50	ND		ug/L	11/23/16	19:16	BP	421255
1,3,5-Trimethylbenzene	SW8260B	1	0.24	0.50	**2.7**		ug/L	11/23/16	19:16	BP	421255
1,2,3-Trichloropropane	SW8260B	1	0.15	0.50	ND		ug/L	11/23/16	19:16	BP	421255
4-Chlorotoluene	SW8260B	1	0.22	0.50	ND		ug/L	11/23/16	19:16	BP	421255
tert-Butylbenzene	SW8260B	1	0.26	0.50	**0.83**		ug/L	11/23/16	19:16	BP	421255
1,2,4-Trimethylbenzene	SW8260B	1	0.23	0.50	**2.4**		ug/L	11/23/16	19:16	BP	421255
sec-Butyl Benzene	SW8260B	1	0.30	0.50	**6.5**		ug/L	11/23/16	19:16	BP	421255
p-Isopropyltoluene	SW8260B	1	0.27	0.50	**3.1**		ug/L	11/23/16	19:16	BP	421255
1,3-Dichlorobenzene	SW8260B	1	0.17	0.50	ND		ug/L	11/23/16	19:16	BP	421255
1,4-Dichlorobenzene	SW8260B	1	0.18	0.50	ND		ug/L	11/23/16	19:16	BP	421255
n-Butylbenzene	SW8260B	1	0.27	0.50	**11**		ug/L	11/23/16	19:16	BP	421255
1,2-Dichlorobenzene	SW8260B	1	0.16	0.50	ND		ug/L	11/23/16	19:16	BP	421255
1,2-Dibromo-3-Chloropropane	SW8260B	1	0.76	2.0	ND		ug/L	11/23/16	19:16	BP	421255
Hexachlorobutadiene	SW8260B	1	0.62	2.0	ND		ug/L	11/23/16	19:16	BP	421255
1,2,4-Trichlorobenzene	SW8260B	1	0.93	2.0	ND		ug/L	11/23/16	19:16	BP	421255
Naphthalene	SW8260B	1	1.2	2.0	**30**		ug/L	11/23/16	19:16	BP	421255
1,2,3-Trichlorobenzene	SW8260B	1	1.2	2.0	ND		ug/L	11/23/16	19:16	BP	421255
(S) Dibromofluoromethane	SW8260B		61.2 - 131		**99.7**		%	11/23/16	19:16	BP	421255
(S) Toluene-d8	SW8260B		75.1 - 127		**95.5**		%	11/23/16	19:16	BP	421255
(S) 4-Bromofluorobenzene	SW8260B		64.1 - 120		**102**		%	11/23/16	19:16	BP	421255

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Brent Wheeler
Wheeler Group Environmental, LLC

Date/Time Received: 11/22/16, 9:04 am
Date Reported: 12/01/16

Client Sample ID:	MW-3	**Lab Sample ID:**	1611225-003A
Project Name/Location:	5930 College Avenue, Oakland	**Sample Matrix:**	Groundwater
Project Number:			
Date/Time Sampled:	11/21/16 / 11:08		
SDG:			
Tag Number:	5930 College Ave		

Prep Method: 5030VOC
Prep Batch ID: 3754
Prep Batch Date/Time: 11/29/16 10:49:00AM
Prep Analyst: BPATEL

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Benzene	SW8260B	10.5	1.6	5.3	**300**		ug/L	11/29/16	16:16	BP	421336
Ethyl Benzene	SW8260B	10.5	2.0	5.3	**170**		ug/L	11/29/16	16:16	BP	421336
(S) Dibromofluoromethane	SW8260B		61.2 - 131		**90.8**		%	11/29/16	16:16	BP	421336
(S) Toluene-d8	SW8260B		75.1 - 127		**87.9**		%	11/29/16	16:16	BP	421336
(S) 4-Bromofluorobenzene	SW8260B		64.1 - 120		**89.5**		%	11/29/16	16:16	BP	421336

Prep Method: 5030GRO
Prep Batch ID: 3755
Prep Batch Date/Time: 11/29/16 10:49:00AM
Prep Analyst: BPATEL

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH(Gasoline)	8260TPH	10.5	310	530	**4290**	x	ug/L	11/29/16	16:16	BP	421336
(S) 4-Bromofluorobenzene	8260TPH		41.5 - 125		**105**		ug/L	11/29/16	16:16	BP	421336

NOTE: x - Although TPH as Gasoline constituents are present, sample chromatogram does not resemble pattern of reference Gasoline standard.

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Brent Wheeler
Wheeler Group Environmental, LLC

Date/Time Received: 11/22/16, 9:04 am
Date Reported: 12/01/16

Client Sample ID:	MW-3	**Lab Sample ID:**	1611225-003B
Project Name/Location:	5930 College Avenue, Oakland	**Sample Matrix:**	Groundwater
Project Number:			
Date/Time Sampled:	11/21/16 / 11:08		
SDG:			
Tag Number:	5930 College Ave		

Prep Method: 3510_TPH **Prep Batch Date/Time:** 11/28/16 12:58:00PM
Prep Batch ID: 3659 **Prep Analyst:** MKAUR

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Diesel	SW8015B	1	0.037	0.10	**0.996**	x	mg/L	11/28/16	11:52	MK	421302
			Acceptance Limits								
Pentacosane (S)	SW8015B		59 - 129		**33.0**	S	%	11/28/16	11:52	MK	421302

NOTE: x- Chromatographic pattern does not resemble typical diesel reference standard; unknown organics within diesel range lighter than diesel quantified as diesel. S-Marix interference:see narrative

Prep Method: 3510_TPH SG **Prep Batch Date/Time:** 11/28/16 12:58:00PM
Prep Batch ID: 3660 **Prep Analyst:** MKAUR

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Diesel (SG)	SW8015B	1	0.037	0.10	**0.351**	x	mg/L	11/28/16	22:50	MK	421303
			Acceptance Limits								
Pentacosane (S)	SW8015B		59 - 129		**17.5**	S	%	11/28/16	22:50	MK	421303

NOTE: x-Chromatographic pattern doesn't resembledesel ref. std. - unknown organics within diesel range lighter than diesel quantified as diesel. S - Surr recovery outside the laboratory control limit due to matrix effects (heavy emulsion present during extra

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Brent Wheeler
Wheeler Group Environmental, LLC

Date/Time Received: 11/22/16, 9:04 am
Date Reported: 12/01/16

Client Sample ID:	PW-1	**Lab Sample ID:**	1611225-004A
Project Name/Location:	5930 College Avenue, Oakland	**Sample Matrix:**	Groundwater
Project Number:			
Date/Time Sampled:	11/21/16 / 10:35		
SDG:			
Tag Number:	5930 College Ave		

Prep Method:	5030VOC	**Prep Batch Date/Time:**	11/23/16 9:10:00AM
Prep Batch ID:	3668	**Prep Analyst:**	BPATEL

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Dichlorodifluoromethane	SW8260B	1	0.26	0.50	ND		ug/L	11/23/16	19:45	BP	421255
Chloromethane	SW8260B	1	0.17	0.50	ND		ug/L	11/23/16	19:45	BP	421255
Vinyl Chloride	SW8260B	1	0.21	0.50	ND		ug/L	11/23/16	19:45	BP	421255
Bromomethane	SW8260B	1	0.21	0.50	ND		ug/L	11/23/16	19:45	BP	421255
Chloroethane	SW8260B	1	0.11	0.50	ND		ug/L	11/23/16	19:45	BP	421255
Trichlorofluoromethane	SW8260B	1	0.19	0.50	ND		ug/L	11/23/16	19:45	BP	421255
1,1-Dichloroethene	SW8260B	1	0.14	0.50	ND		ug/L	11/23/16	19:45	BP	421255
Freon 113	SW8260B	1	0.34	0.50	ND		ug/L	11/23/16	19:45	BP	421255
Methylene Chloride	SW8260B	1	0.13	0.50	ND		ug/L	11/23/16	19:45	BP	421255
trans-1,2-Dichloroethene	SW8260B	1	0.16	0.50	ND		ug/L	11/23/16	19:45	BP	421255
MTBE	SW8260B	1	0.077	0.50	ND		ug/L	11/23/16	19:45	BP	421255
tert-Butanol	SW8260B	1	7.4	10	ND		ug/L	11/23/16	19:45	BP	421255
Diisopropyl ether (DIPE)	SW8260B	1	0.12	0.50	ND		ug/L	11/23/16	19:45	BP	421255
1,1-Dichloroethane	SW8260B	1	0.12	0.50	ND		ug/L	11/23/16	19:45	BP	421255
ETBE	SW8260B	1	0.064	0.50	ND		ug/L	11/23/16	19:45	BP	421255
cis-1,2-Dichloroethene	SW8260B	1	0.15	0.50	**31**		ug/L	11/23/16	19:45	BP	421255
2,2-Dichloropropane	SW8260B	1	0.094	0.50	ND		ug/L	11/23/16	19:45	BP	421255
Bromochloromethane	SW8260B	1	0.15	0.50	ND		ug/L	11/23/16	19:45	BP	421255
Chloroform	SW8260B	1	0.12	0.50	ND		ug/L	11/23/16	19:45	BP	421255
Carbon Tetrachloride	SW8260B	1	0.16	0.50	ND		ug/L	11/23/16	19:45	BP	421255
1,1,1-Trichloroethane	SW8260B	1	0.16	0.50	ND		ug/L	11/23/16	19:45	BP	421255
1,1-Dichloropropene	SW8260B	1	0.19	0.50	ND		ug/L	11/23/16	19:45	BP	421255
Benzene	SW8260B	1	0.16	0.50	**2.1**		ug/L	11/23/16	19:45	BP	421255
TAME	SW8260B	1	0.072	0.50	ND		ug/L	11/23/16	19:45	BP	421255
1,2-Dichloroethane	SW8260B	1	0.11	0.50	ND		ug/L	11/23/16	19:45	BP	421255
Trichloroethylene	SW8260B	1	0.15	0.50	**9.0**		ug/L	11/23/16	19:45	BP	421255
Dibromomethane	SW8260B	1	0.11	0.50	ND		ug/L	11/23/16	19:45	BP	421255
1,2-Dichloropropane	SW8260B	1	0.089	0.50	ND		ug/L	11/23/16	19:45	BP	421255
Bromodichloromethane	SW8260B	1	0.076	0.50	ND		ug/L	11/23/16	19:45	BP	421255
cis-1,3-Dichloropropene	SW8260B	1	0.078	0.50	ND		ug/L	11/23/16	19:45	BP	421255
Toluene	SW8260B	1	0.14	0.50	ND		ug/L	11/23/16	19:45	BP	421255
Tetrachloroethylene	SW8260B	1	0.24	0.50	**15**		ug/L	11/23/16	19:45	BP	421255
trans-1,3-Dichloropropene	SW8260B	1	0.22	0.50	ND		ug/L	11/23/16	19:45	BP	421255
1,1,2-Trichloroethane	SW8260B	1	0.076	0.50	ND		ug/L	11/23/16	19:45	BP	421255

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Brent Wheeler
Wheeler Group Environmental, LLC

Date/Time Received: 11/22/16, 9:04 am
Date Reported: 12/01/16

Client Sample ID:	PW-1	**Lab Sample ID:**	1611225-004A
Project Name/Location:	5930 College Avenue, Oakland	**Sample Matrix:**	Groundwater
Project Number:			
Date/Time Sampled:	11/21/16 / 10:35		
SDG:			
Tag Number:	5930 College Ave		

Prep Method:	5030VOC	**Prep Batch Date/Time:**	11/23/16 9:10:00AM
Prep Batch ID:	3668	**Prep Analyst:**	BPATEL

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Dibromochloromethane	SW8260B	1	0.18	0.50	ND		ug/L	11/23/16	19:45	BP	421255
1,3-Dichloropropane	SW8260B	1	0.22	0.50	ND		ug/L	11/23/16	19:45	BP	421255
1,2-Dibromoethane	SW8260B	1	0.079	0.50	ND		ug/L	11/23/16	19:45	BP	421255
Chlorobenzene	SW8260B	1	0.16	0.50	ND		ug/L	11/23/16	19:45	BP	421255
Ethyl Benzene	SW8260B	1	0.20	0.50	**0.51**		ug/L	11/23/16	19:45	BP	421255
1,1,1,2-Tetrachloroethane	SW8260B	1	0.087	0.50	ND		ug/L	11/23/16	19:45	BP	421255
m,p-Xylene	SW8260B	1	0.39	1.0	ND		ug/L	11/23/16	19:45	BP	421255
o-Xylene	SW8260B	1	0.15	0.50	ND		ug/L	11/23/16	19:45	BP	421255
Styrene	SW8260B	1	0.11	0.50	ND		ug/L	11/23/16	19:45	BP	421255
Bromoform	SW8260B	1	0.076	0.50	ND		ug/L	11/23/16	19:45	BP	421255
Isopropyl Benzene	SW8260B	1	0.22	0.50	ND		ug/L	11/23/16	19:45	BP	421255
n-Propylbenzene	SW8260B	1	0.30	0.50	ND		ug/L	11/23/16	19:45	BP	421255
Bromobenzene	SW8260B	1	0.15	0.50	ND		ug/L	11/23/16	19:45	BP	421255
1,1,2,2-Tetrachloroethane	SW8260B	1	0.079	0.50	ND		ug/L	11/23/16	19:45	BP	421255
2-Chlorotoluene	SW8260B	1	0.25	0.50	ND		ug/L	11/23/16	19:45	BP	421255
1,3,5-Trimethylbenzene	SW8260B	1	0.24	0.50	ND		ug/L	11/23/16	19:45	BP	421255
1,2,3-Trichloropropane	SW8260B	1	0.15	0.50	ND		ug/L	11/23/16	19:45	BP	421255
4-Chlorotoluene	SW8260B	1	0.22	0.50	ND		ug/L	11/23/16	19:45	BP	421255
tert-Butylbenzene	SW8260B	1	0.26	0.50	ND		ug/L	11/23/16	19:45	BP	421255
1,2,4-Trimethylbenzene	SW8260B	1	0.23	0.50	**1.7**		ug/L	11/23/16	19:45	BP	421255
sec-Butyl Benzene	SW8260B	1	0.30	0.50	**0.71**		ug/L	11/23/16	19:45	BP	421255
p-Isopropyltoluene	SW8260B	1	0.27	0.50	ND		ug/L	11/23/16	19:45	BP	421255
1,3-Dichlorobenzene	SW8260B	1	0.17	0.50	ND		ug/L	11/23/16	19:45	BP	421255
1,4-Dichlorobenzene	SW8260B	1	0.18	0.50	ND		ug/L	11/23/16	19:45	BP	421255
n-Butylbenzene	SW8260B	1	0.27	0.50	ND		ug/L	11/23/16	19:45	BP	421255
1,2-Dichlorobenzene	SW8260B	1	0.16	0.50	ND		ug/L	11/23/16	19:45	BP	421255
1,2-Dibromo-3-Chloropropane	SW8260B	1	0.76	2.0	ND		ug/L	11/23/16	19:45	BP	421255
Hexachlorobutadiene	SW8260B	1	0.62	2.0	ND		ug/L	11/23/16	19:45	BP	421255
1,2,4-Trichlorobenzene	SW8260B	1	0.93	2.0	ND		ug/L	11/23/16	19:45	BP	421255
Naphthalene	SW8260B	1	1.2	2.0	ND		ug/L	11/23/16	19:45	BP	421255
1,2,3-Trichlorobenzene	SW8260B	1	1.2	2.0	ND		ug/L	11/23/16	19:45	BP	421255
(S) Dibromofluoromethane	SW8260B		61.2 - 131		**96.9**		%	11/23/16	19:45	BP	421255
(S) Toluene-d8	SW8260B		75.1 - 127		**93.5**		%	11/23/16	19:45	BP	421255
(S) 4-Bromofluorobenzene	SW8260B		64.1 - 120		**104**		%	11/23/16	19:45	BP	421255

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Brent Wheeler
Wheeler Group Environmental, LLC

Date/Time Received: 11/22/16, 9:04 am
Date Reported: 12/01/16

Client Sample ID:	PW-1	**Lab Sample ID:**	1611225-004A
Project Name/Location:	5930 College Avenue, Oakland	**Sample Matrix:**	Groundwater
Project Number:			
Date/Time Sampled:	11/21/16 / 10:35		
SDG:			
Tag Number:	5930 College Ave		

Prep Method:	5030GRO	**Prep Batch Date/Time:**	11/23/16	9:10:00AM
Prep Batch ID:	3671	**Prep Analyst:**	BPATEL	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH(Gasoline)	8260TPH	1	29	50	**265**	x	ug/L	11/23/16	19:45	BP	421255
(S) 4-Bromofluorobenzene	8260TPH		41.5 - 125		**100**		ug/L	11/23/16	19:45	BP	421255

NOTE: x – Does not match pattern of reference Gasoline standard. Result is due to significant contribution from non-target hydrocarbons in C5-C12 range quantified as Gasoline.

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Brent Wheeler
Wheeler Group Environmental, LLC

Date/Time Received: 11/22/16, 9:04 am
Date Reported: 12/01/16

Client Sample ID:	PW-1	**Lab Sample ID:**	1611225-004B
Project Name/Location:	5930 College Avenue, Oakland	**Sample Matrix:**	Groundwater
Project Number:			
Date/Time Sampled:	11/21/16 / 10:35		
SDG:			
Tag Number:	5930 College Ave		

Prep Method: 3510_TPH **Prep Batch Date/Time:** 11/28/16 12:58:00PM
Prep Batch ID: 3659 **Prep Analyst:** MKAUR

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Diesel	SW8015B	1	0.037	0.10	**0.170**	x	mg/L	11/28/16	11:52	MK	421302
			Acceptance Limits								
Pentacosane (S)	SW8015B		59 - 129		**41.9**	S	%	11/28/16	11:52	MK	421302

NOTE: x- Chromatographic pattern does not resemble typical diesel reference standard; unknown organics within diesel range lighter than diesel quantified as diesel. S-Marix interference:see narrative

Prep Method: 3510_TPH SG **Prep Batch Date/Time:** 11/28/16 12:58:00PM
Prep Batch ID: 3660 **Prep Analyst:** MKAUR

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Diesel (SG)	SW8015B	1	0.037	0.10	ND		mg/L	11/28/16	23:12	MK	421303
			Acceptance Limits								
Pentacosane (S)	SW8015B		59 - 129		**30.1**	S	%	11/28/16	23:12	MK	421303

NOTE: S - Surrogate recovery outside the laboratory control limit due to potential matrix effects (heavy emulsion present during extraction)

Torrent LABORATORY, INC.

MB Summary Report

Work Order:	1611225	**Prep Method:**	3510_TPH	**Prep Date:**	11/28/16	**Prep Batch:**	3659
Matrix:	Water	**Analytical Method:**	SW8015B	**Analyzed Date:**	11/28/2016	**Analytical Batch:**	421302
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
TPH as Diesel	0.037	0.10	ND	
TPH as Motor Oil	0.11	0.40	ND	
Pentacosane (S)			102	

Work Order:	1611225	**Prep Method:**	3510_TPH SG	**Prep Date:**	11/28/16	**Prep Batch:**	3660
Matrix:	Water	**Analytical Method:**	SW8015B	**Analyzed Date:**	11/28/2016	**Analytical Batch:**	421303
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
TPH as Diesel (SG)	0.037	0.10	ND	
TPH as Motor Oil (SG)	0.11	0.40	ND	
Pentacosane (S)			103	

Work Order:	1611225	**Prep Method:**	5030VOC	**Prep Date:**	11/23/16	**Prep Batch:**	3668
Matrix:	Water	**Analytical Method:**	SW8260B	**Analyzed Date:**	11/23/2016	**Analytical Batch:**	421255
Units:	ug/L						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Dichlorodifluoromethane	0.26	0.50	ND	
Chloromethane	0.17	0.50	ND	
Vinyl Chloride	0.21	0.50	ND	
Bromomethane	0.21	0.50	ND	
Chloroethane	0.11	0.50	ND	
Trichlorofluoromethane	0.19	0.50	ND	
1,1-Dichloroethene	0.14	0.50	ND	
Freon 113	0.34	0.50	ND	
Methylene Chloride	0.13	0.50	ND	
trans-1,2-Dichloroethene	0.16	0.50	ND	
MTBE	0.077	0.50	ND	
tert-Butanol	7.4	10	ND	
Diisopropyl ether (DIPE)	0.12	0.50	ND	
1,1-Dichloroethane	0.12	0.50	ND	
ETBE	0.064	0.50	ND	
cis-1,2-Dichloroethene	0.15	0.50	ND	
2,2-Dichloropropane	0.094	0.50	ND	
Bromochloromethane	0.15	0.50	ND	

Torrent LABORATORY, INC.

MB Summary Report

Work Order:	1611225	**Prep Method:**	5030VOC	**Prep Date:**	11/23/16	**Prep Batch:**	3668
Matrix:	Water	**Analytical Method:**	SW8260B	**Analyzed Date:**	11/23/2016	**Analytical Batch:**	421255
Units:	ug/L						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier	
Chloroform	0.12	0.50	ND		
Carbon Tetrachloride	0.16	0.50	ND		
1,1,1-Trichloroethane	0.16	0.50	ND		
1,1-Dichloropropene	0.19	0.50	ND		
Benzene	0.16	0.50	ND		
TAME	0.072	0.50	ND		
1,2-Dichloroethane	0.11	0.50	ND		
Trichloroethylene	0.15	0.50	ND		
Dibromomethane	0.11	0.50	ND		
1,2-Dichloropropane	0.089	0.50	ND		
Bromodichloromethane	0.076	0.50	ND		
cis-1,3-Dichloropropene	0.078	0.50	ND		
Toluene	0.14	0.50	ND		
Tetrachloroethylene	0.24	0.50	ND		
trans-1,3-Dichloropropene	0.22	0.50	ND		
1,1,2-Trichloroethane	0.076	0.50	ND		
Dibromochloromethane	0.18	0.50	ND		
1,3-Dichloropropane	0.22	0.50	ND		
1,2-Dibromoethane	0.079	0.50	ND		
Chlorobenzene	0.16	0.50	ND		
Ethyl Benzene	0.20	0.50	ND		
1,1,1,2-Tetrachloroethane	0.087	0.50	ND		
m,p-Xylene	0.39	1.0	ND		
o-Xylene	0.15	0.50	ND		
Styrene	0.11	0.50	ND		
Bromoform	0.076	0.50	ND		
Isopropyl Benzene	0.22	0.50	ND		
n-Propylbenzene	0.30	0.50	ND		
Bromobenzene	0.15	0.50	ND		
1,1,2,2-Tetrachloroethane	0.079	0.50	ND		
2-Chlorotoluene	0.25	0.50	ND		
1,3,5-Trimethylbenzene	0.24	0.50	ND		
1,2,3-Trichloropropane	0.15	0.50	ND		
4-Chlorotoluene	0.22	0.50	ND		
tert-Butylbenzene	0.26	0.50	ND		
1,2,4-Trimethylbenzene	0.23	0.50	ND		
sec-Butyl Benzene	0.30	0.50	ND		
p-Isopropyltoluene	0.27	0.50	ND		
1,3-Dichlorobenzene	0.17	0.50	ND		
1,4-Dichlorobenzene	0.18	0.50	ND		
n-Butylbenzene	0.27	0.50	ND		

Torrent LABORATORY, INC.

MB Summary Report

Work Order:	1611225	**Prep Method:**	5030VOC	**Prep Date:**	11/23/16	**Prep Batch:**	3668
Matrix:	Water	**Analytical Method:**	SW8260B	**Analyzed Date:**	11/23/2016	**Analytical Batch:**	421255
Units:	ug/L						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
1,2-Dichlorobenzene	0.16	0.50	ND	
1,2-Dibromo-3-Chloropropane	0.76	2.0	ND	
Hexachlorobutadiene	0.62	2.0	ND	
1,2,4-Trichlorobenzene	0.93	2.0	ND	
Naphthalene	1.2	2.0	ND	
1,2,3-Trichlorobenzene	1.2	2.0	ND	
(S) Dibromofluoromethane			109	
(S) Toluene-d8			90.8	
(S) 4-Bromofluorobenzene			93.4	

Work Order:	1611225	**Prep Method:**	5030GRO	**Prep Date:**	11/23/16	**Prep Batch:**	3671
Matrix:	Water	**Analytical Method:**	SW8260B	**Analyzed Date:**	11/23/2016	**Analytical Batch:**	421255
Units:	ug/L						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
TPH(Gasoline)	29	50	32	
(S) 4-Bromofluorobenzene			94.6	

Torrent LABORATORY, INC.

MB Summary Report

Work Order:	1611225	**Prep Method:**	5030VOC	**Prep Date:**	11/29/16	**Prep Batch:**	3754
Matrix:	Water	**Analytical Method:**	SW8260B	**Analyzed Date:**	11/29/2016	**Analytical Batch:**	421336
Units:	ug/L						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier	
Dichlorodifluoromethane	0.26	0.50	ND		
Chloromethane	0.17	0.50	ND		
Vinyl Chloride	0.21	0.50	ND		
Bromomethane	0.21	0.50	ND		
Chloroethane	0.11	0.50	ND		
Trichlorofluoromethane	0.19	0.50	ND		
1,1-Dichloroethene	0.14	0.50	ND		
Freon 113	0.34	0.50	ND		
Methylene Chloride	0.13	0.50	ND		
trans-1,2-Dichloroethene	0.16	0.50	ND		
MTBE	0.077	0.50	ND		
tert-Butanol	7.4	10	ND		
Diisopropyl ether (DIPE)	0.12	0.50	ND		
1,1-Dichloroethane	0.12	0.50	ND		
ETBE	0.064	0.50	ND		
cis-1,2-Dichloroethene	0.15	0.50	ND		
2,2-Dichloropropane	0.094	0.50	ND		
Bromochloromethane	0.15	0.50	ND		
Chloroform	0.12	0.50	ND		
Carbon Tetrachloride	0.16	0.50	ND		
1,1,1-Trichloroethane	0.16	0.50	ND		
1,1-Dichloropropene	0.19	0.50	ND		
Benzene	0.16	0.50	ND		
TAME	0.072	0.50	ND		
1,2-Dichloroethane	0.11	0.50	ND		
Trichloroethylene	0.15	0.50	ND		
Dibromomethane	0.11	0.50	ND		
1,2-Dichloropropane	0.089	0.50	ND		
Bromodichloromethane	0.076	0.50	ND		
cis-1,3-Dichloropropene	0.078	0.50	ND		
Toluene	0.14	0.50	ND		
Tetrachloroethylene	0.24	0.50	ND		
trans-1,3-Dichloropropene	0.22	0.50	ND		
1,1,2-Trichloroethane	0.076	0.50	ND		
Dibromochloromethane	0.18	0.50	ND		
1,3-Dichloropropane	0.22	0.50	ND		
1,2-Dibromoethane	0.079	0.50	ND		
Chlorobenzene	0.16	0.50	ND		
Ethyl Benzene	0.20	0.50	ND		
1,1,1,2-Tetrachloroethane	0.087	0.50	ND		
m,p-Xylene	0.39	1.0	ND		

Torrent LABORATORY, INC.

MB Summary Report

Work Order:	1611225	**Prep Method:**	5030VOC	**Prep Date:**	11/29/16	**Prep Batch:**	3754
Matrix:	Water	**Analytical Method:**	SW8260B	**Analyzed Date:**	11/29/2016	**Analytical Batch:**	421336
Units:	ug/L						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
o-Xylene	0.15	0.50	ND	
Styrene	0.11	0.50	ND	
Bromoform	0.076	0.50	ND	
Isopropyl Benzene	0.22	0.50	ND	
n-Propylbenzene	0.30	0.50	ND	
Bromobenzene	0.15	0.50	ND	
1,1,2,2-Tetrachloroethane	0.079	0.50	ND	
2-Chlorotoluene	0.25	0.50	ND	
1,3,5-Trimethylbenzene	0.24	0.50	ND	
1,2,3-Trichloropropane	0.15	0.50	ND	
4-Chlorotoluene	0.22	0.50	ND	
tert-Butylbenzene	0.26	0.50	ND	
1,2,4-Trimethylbenzene	0.23	0.50	ND	
sec-Butyl Benzene	0.30	0.50	ND	
p-Isopropyltoluene	0.27	0.50	ND	
1,3-Dichlorobenzene	0.17	0.50	ND	
1,4-Dichlorobenzene	0.18	0.50	ND	
n-Butylbenzene	0.27	0.50	ND	
1,2-Dichlorobenzene	0.16	0.50	ND	
1,2-Dibromo-3-Chloropropane	0.76	2.0	ND	
Hexachlorobutadiene	0.62	2.0	ND	
1,2,4-Trichlorobenzene	0.93	2.0	ND	
Naphthalene	1.2	2.0	ND	
1,2,3-Trichlorobenzene	1.2	2.0	ND	
(S) Dibromofluoromethane			100	
(S) Toluene-d8			89.5	
(S) 4-Bromofluorobenzene			89.0	

Work Order:	1611225	**Prep Method:**	5030GRO	**Prep Date:**	11/29/16	**Prep Batch:**	3755
Matrix:	Water	**Analytical Method:**	SW8260B	**Analyzed Date:**	11/29/2016	**Analytical Batch:**	421336
Units:	ug/L						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
TPH(Gasoline)	29	50	ND	
(S) 4-Bromofluorobenzene			84.6	

Torrent LABORATORY, INC.

LCS/LCSD Summary Report

Raw values are used in quality control assessment.

Work Order:	1611225	**Prep Method:**	3510_TPH	**Prep Date:**	11/28/16	**Prep Batch:**	3659
Matrix:	Water	**Analytical Method:**	SW8015B	**Analyzed Date:**	11/28/2016	**Analytical Batch:**	421302
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
TPH as Diesel	0.037	0.10	ND	1.0	81.4	77.1	5.43	52 - 115	30	
Pentacosane (S)				200	126	121		59 - 129		

Work Order:	1611225	**Prep Method:**	3510_TPH SG	**Prep Date:**	11/28/16	**Prep Batch:**	3660
Matrix:	Water	**Analytical Method:**	SW8015B	**Analyzed Date:**	11/28/2016	**Analytical Batch:**	421303
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
TPH as Diesel (SG)	0.037	0.10	ND	1.0	87.8	79.9	9.42	52 - 115	30	
TPH as Motor Oil (SG)			ND	200				59 - 129		

Work Order:	1611225	**Prep Method:**	5030VOC	**Prep Date:**	11/23/16	**Prep Batch:**	3668
Matrix:	Water	**Analytical Method:**	SW8260B	**Analyzed Date:**	11/23/2016	**Analytical Batch:**	421255
Units:	ug/L						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
1,1-Dichloroethene	0.14	0.50	ND	17.9	74.1	79.3	7.30	61.4 - 129	30	
Benzene	0.16	0.50	ND	17.9	82.0	85.0	4.03	66.9 - 140	30	
Trichloroethylene	0.15	0.50	ND	17.9	78.5	77.6	0.717	69.3 - 144	30	
Toluene	0.14	0.50	ND	17.9	79.6	80.0	0.702	76.6 - 123	30	
Chlorobenzene	0.16	0.50	ND	17.9	80.2	83.4	4.11	73.9 - 137	30	
(S) Dibromofluoromethane				17.9	97.1	99.4		61.2 - 131		
(S) Toluene-d8				17.9	94.3	96.1		75.1 - 127		
(S) 4-Bromofluorobenzene				17.9	93.1	89.2		64.1 - 120		

Work Order:	1611225	**Prep Method:**	5030GRO	**Prep Date:**	11/23/16	**Prep Batch:**	3671
Matrix:	Water	**Analytical Method:**	SW8260B	**Analyzed Date:**	11/23/2016	**Analytical Batch:**	421255
Units:	ug/L						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
TPH(Gasoline)	29	50	32	238	99.6	80.9	20.5	52.4 - 127	30	
(S) 4-Bromofluorobenzene				11.9	105	88.7		41.5 - 125		

Torrent LABORATORY, INC.

LCS/LCSD Summary Report

Raw values are used in quality control assessment.

Work Order:	1611225	**Prep Method:**	5030VOC	**Prep Date:**	11/29/16	**Prep Batch:**	3754
Matrix:	Water	**Analytical Method:**	SW8260B	**Analyzed Date:**	11/29/2016	**Analytical Batch:**	421336
Units:	ug/L						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
1,1-Dichloroethene	0.14	0.50	ND	17.9	72.6	75.7	3.77	61.4 - 129	30	
Benzene	0.16	0.50	ND	17.9	82.0	88.1	7.26	66.9 - 140	30	
Trichloroethylene	0.15	0.50	ND	17.9	81.5	83.7	2.03	69.3 - 144	30	
Toluene	0.14	0.50	ND	17.9	79.7	84.2	5.48	76.6 - 123	30	
Chlorobenzene	0.16	0.50	ND	17.9	82.9	88.3	6.54	73.9 - 137	30	
(S) Dibromofluoromethane				17.9	109	110		61.2 - 131		
(S) Toluene-d8				17.9	104	105		75.1 - 127		
(S) 4-Bromofluorobenzene				17.9	95.4	97.8		64.1 - 120		

Work Order:	1611225	**Prep Method:**	5030GRO	**Prep Date:**	11/29/16	**Prep Batch:**	3755
Matrix:	Water	**Analytical Method:**	SW8260B	**Analyzed Date:**	11/29/2016	**Analytical Batch:**	421336
Units:	ug/L						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
TPH(Gasoline)	29	50	ND	238	96.6	112	14.5	52.4 - 127	30	
(S) 4-Bromofluorobenzene				11.9	101	117		41.5 - 125		

Laboratory Qualifiers and Definitions

DEFINITIONS:

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

LABORATORY QUALIFIERS:

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

Sample Receipt Checklist

Client Name: Wheeler Group Environmental, LLC

Project Name: 5930 College Avenue, Oakland

Work Order No.: 1611225

Date and Time Received: 11/22/2016 9:04:00AM

Received By: NG

Physically Logged By: Katherene Evans

Checklist Completed By:

Carrier Name: First Courier

Chain of Custody (COC) Information

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

Sample Receipt Information

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

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes			
Container/Temp Blank temperature in compliance?	Yes	Temperature:	3.0	°C
Water-VOA vials have zero headspace?	Yes			
Water-pH acceptable upon receipt?	N/A			

pH Checked by: na

pH Adjusted by: na

Comments:

Login Summary Report

Client ID: TL6291 Wheeler Group Environmental, LLC

Project Name: 5930 College Avenue, Oakland

Project # :

Report Due Date: 12/1/2016

QC Level: II

TAT Requested: 5+ day:5

Date Received: 11/22/2016

Time Received: 9:04 am

Comments:

Work Order # : ***1611225***

WO Sample ID	Client Sample ID	Collection Date/Time	Matrix	Scheduled Disposal	Sample On Hold	Test On Hold	Requested Tests	Subbed
1611225-001A	MW-1	11/21/16 12:06	Water	01/06/17			EDF VOC_W_8260B VOC_W_GRO	
1611225-001B	MW-1	11/21/16 12:06	Water	01/06/17			TPHDOSG_W_8015B TPHDO_W_8015B(M)	
Sample Note:	TPH d w/& w/o SGCU. Client sent 3 bottles each. 1 bottle each is in SR5, 2 in SR6							
1611225-002A	MW-2	11/21/16 11:35	Water	01/06/17			VOC_W_GRO VOC_W_8260B	
1611225-002B	MW-2	11/21/16 11:35	Water	01/06/17			TPHDOSG_W_8015B TPHDO_W_8015B(M)	
1611225-003A	MW-3	11/21/16 11:08	Water	01/06/17			VOC_W_GRO VOC_W_8260B	
1611225-003B	MW-3	11/21/16 11:08	Water	01/06/17			TPHDOSG_W_8015B TPHDO_W_8015B(M)	
Sample Note:								
1611225-004A	PW-1	11/21/16 10:35	Water	01/06/17			VOC_W_8260B VOC_W_GRO	
1611225-004B	PW-1	11/21/16 10:35	Water	01/06/17			TPHDOSG_W_8015B TPHDO_W_8015B(M)	

Torrent LABORATORY, INC.

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

CHAIN OF CUSTODY

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

LAB WORK ORDER NO: 1611225

Company Name: Wheeler Group Environmental, LLC	Location of Sampling: 5930 College Avenue, Oakland
Address: 369-B Third Street, Suite #221	Purpose: 4th Quarter 2016 Groundwater Monitoring/Sampling
City: San Rafael State: CA Zip Code: 94901	Special Instructions / Comments: Global ID: T0600102112. Field Point ID=Sample ID
Telephone: 415-686-8846 FAX:	
REPORT TO: Brent Wheeler SAMPLER: DEI D.VASQUEZ/M.WOOD (FED)	P.O. #: WGE 2016106 EMAIL: bwheeler@wheelergroupenvironmental.com

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

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

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

ANALYSIS REQUESTED

LAB ID	CLIENT'S SAMPLE I.D.	DATE / TIME SAMPLED	MATRIX	# OF CONT	CONT TYPE	TPH-G (8260)	VOCs (Full List)	TPH-D (8015M)	TPH-D w/ SGCU					REMARKS
001A/B	MW-1	11-21-16/ 1206	GW	6	Misc.	✓	✓	✓	✓					
002A/B	MW-2	11-21-16/ 1135	GW	6	Misc.	✓	✓	✓	✓					
003A/B	MW-3	11-21-16/ 1108	GW	6	Misc.	✓	✓	✓						
004A/B	PW-1	11-21-16/ 1035	GW	6	Misc.	✓	✓	✓						
														Temp 3°C #1

	Relinquished By:	Print:	Date:	Time:	Received By:	Print:	Date:	Time:
1	[signature]	Richard Vasquez	11-21-16	1500	FEDEX	FEDEX	11-21-16	1500
2	Shane Ellison	Shane Ellison	11-22-16	0756	Courier [signature]	[signature]	11/22/16	9:04

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

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

Page 1 of 1

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

FedEx 11-22-16 12:49 PM NAVIN G. 11-22-16 12:49 P.M.

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Change Order

Work Order: 1611225 **Serial #:** CO16-0225 **Print Date:** 11/28/2016

Project Name: 5930 College Avenue, Oakland

Client: Wheeler Group Environmental, LLC **Requested By:** Brent Wheeler

	Requested Date	Requested Time	Extended Price
Additional Test--Analyze samples 003 & 004B for TPH d w/sgcu; STD TAT	11/28/2016	6:30:00PM	

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

STATE WATER RESOURCES CONTROL BOARD

GEOTRACKER ESI

UPLOADING A EDF FILE

SUCCESS

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

Submittal Type:	**EDF**
Report Title:	**Semi-Annual Groundwater Monitoring Report - 4th Quarter 2016**
Report Type:	**Monitoring Report - Semi-Annually**
Facility Global ID:	**T0600102112**
Facility Name:	**SHEAFFS SERVICE GARAGE**
File Name:	**Torrent 1611225_4Q16 GWM_EDF.zip**
Organization Name:	**Wheeler Group Environmental, LLC**
Username:	**WGE**
IP Address:	**76.126.107.191**
Submittal Date/Time:	**1/17/2017 8:15:21 AM**
Confirmation Number:	**8667353034**

VIEW QC REPORT

VIEW DETECTIONS REPORT

STATE WATER RESOURCES CONTROL BOARD

GEOTRACKER ESI

UPLOADING A GEO_WELL FILE

SUCCESS

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

Submittal Type:	**GEO_WELL**
Report Title:	**Semi-Annual Groundwater Monitoring Report - 4th Quarter 2016**
Facility Global ID:	**T0600102112**
Facility Name:	**SHEAFFS SERVICE GARAGE**
File Name:	**GEO_WELL.zip**
Organization Name:	**Wheeler Group Environmental, LLC**
Username:	**WGE**
IP Address:	**76.126.107.191**
Submittal Date/Time:	**1/17/2017 8:14:00 AM**
Confirmation Number:	**1790598273**

EPA On-line Tools for Site Assessment Calculation

Hydraulic Gradient -- Magnitude and Direction

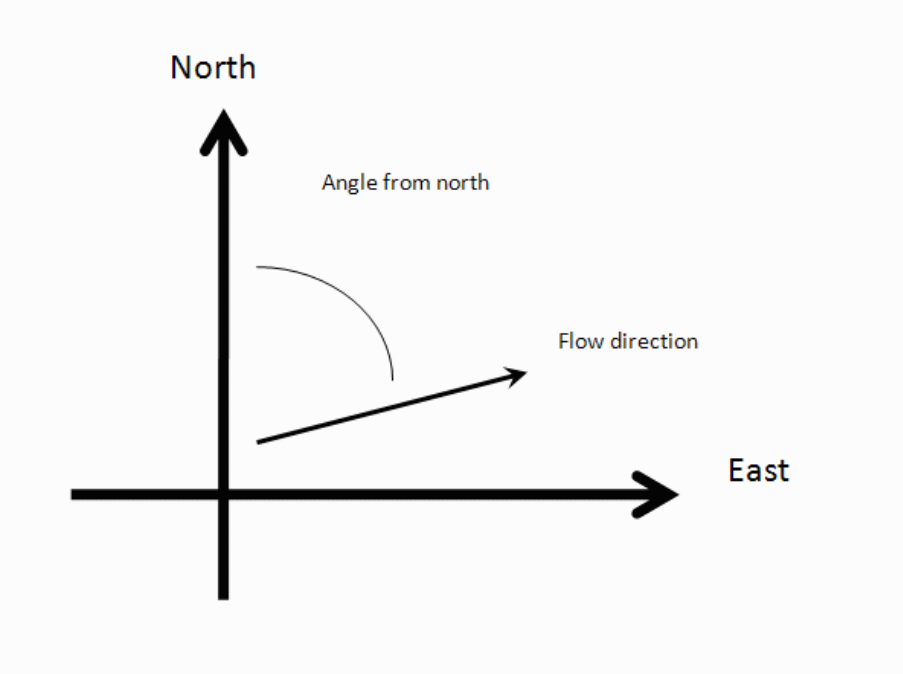
Gradient Calculation from fitting a plane to as many as thirty points

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

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

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

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



Inputs

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

Site Name: 5930 College Avenue
Date: November 21, 2016 | Current Date
Calculation basis: Head
Coordinates: ft

I.D.	x-coordinate	y-coordinate	head (ft)
1) MW-1	6055822.91	2135878.96	185.47
2) MW-3	6055818.98	2135842.80	185.09
3) PW-1	6055924.91	2135914.96	185.85
4)			
5)			
6)			
7)			
8)			
9)			
10)			
11)			
12)			
13)			
14)			
15)			
16)			

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

Results

Number of Points Used in Calculation	3
Max. Difference Between Head Values	0.2316
Gradient Magnitude (i)	0.01051
Flow direction as degrees from North (positive y axis)	180.1
Coefficient of Determination (R^2)	1.00

WCMS

Last updated on 2/23/2016