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With respect to:

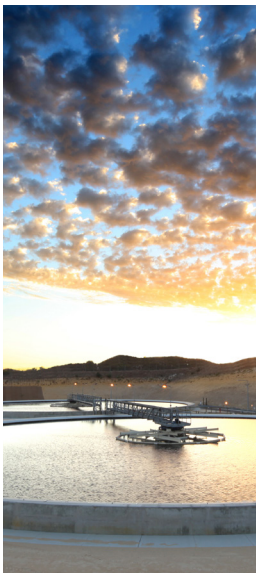
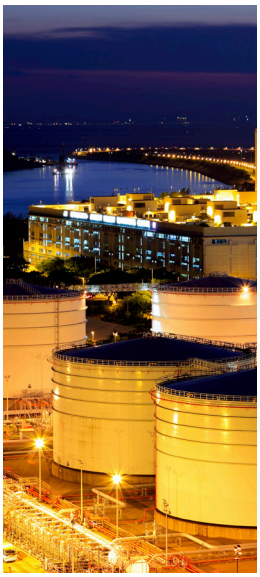
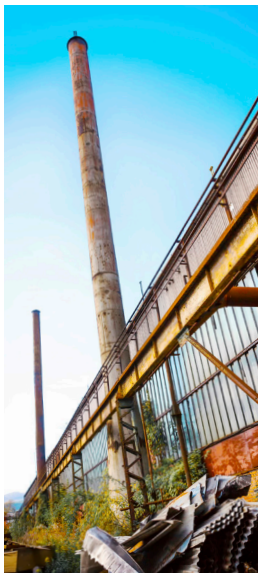
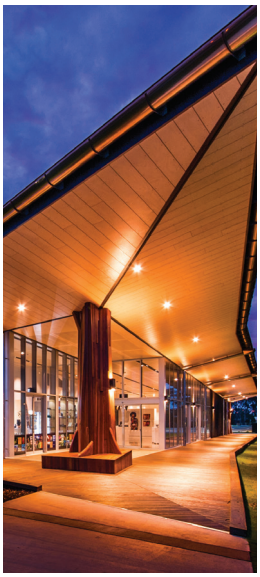
Groundwater Monitoring Report-Second Half 2015
Dated November 23, 2015
Fuel Leak Case No. RO0000196

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

Tommy Chiu
Mr. Tommy Chiu

11. 16. 2015
Date

Draft for Review


Groundwater Monitoring Report - Second Half 2015

Chiu Property
800 Franklin Street
Oakland, California

AGENCY CASE NO.RO0000196

GHD Services Inc.
5900 Hollis Street, Suite A Emeryville California 94608
581000 | 064 | Report No 22 | November 23, 2015

Groundwater Monitoring Report – Second Half 2015

Chiu Property
800 Franklin Street
Oakland, California

AGENCY CASE NO. RO0000196

November 23, 2015

Bryan Fong

Ron Scheele, PG

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Appendices

1. Introduction

On behalf of Mr. Tommy Chiu, GHD Services Inc. (GHD) is submitting this Groundwater Monitoring Report – Second Half 2015 for the Chiu Property (Site) located at 800 Franklin Street in Oakland, California (see **Figure 1**). This report presents a summary of groundwater monitoring and sampling activities conducted during the Second Half 2015, analytical results of samples collected during this event, as well as activities anticipated to occur during the upcoming First Half of 2016. This groundwater monitoring event was conducted in accordance with guidelines issued by Alameda County Department of Environmental Health (ACEH).

1.1 Site Information

Site Address	800 Franklin Street, Oakland
Site Use	Commercial Building
Client and Contact	Tommy Chiu
Consultant and Contact Person	GHD, Bryan A. Fong
Lead Agency and Contact	Alameda County Environmental Health, Jerry Wickham, P.G.
Agency Case No.	RO0000196

2. Site Activities and Results

2.1 Current Sampling Event Activities

On September 15, 2015, Confluence Environmental, Inc. (Confluence) conducted groundwater monitoring and sampling activities at the subject Site. Water levels were measured in wells MW-1, MW-2, MW-3A, and MW-4 through MW-7, and groundwater samples were collected from monitoring wells MW-2, MW-3A, MW-6, and MW-7 (see **Figures 2 and 3**). Well construction details are provided in **Table 1**. GHD's Standard Field Procedures for Groundwater Monitoring and Sampling is presented as **Appendix A**. The laboratory analytical report and sample chain of custody (COC) documents are presented as **Appendix B**. Copies of the field data sheets are included as **Appendix C**.

2.1.1 Water Level Measurements

Depth-to-water measurements were recorded to the nearest 0.01-foot from the surveyed reference elevation on the top of the well casing (TOC). Measurements were collected using a conductance-actuated well sounder. Depth to groundwater and calculated groundwater elevation data are presented in **Table 2**.

2.1.2 Groundwater Sampling

Field activities associated with groundwater sampling included low-flow well purging, measuring groundwater parameters, and sample collection.

Each well was purged prior to sampling using the low-flow purging technique. This was accomplished by placing a clean intake tube of a peristaltic pump approximately 1 foot below the initial water level. Depth to water was measured prior to, during, and at the termination of low-flow purging, and also immediately prior to sample collection. Temperature, pH, conductivity, oxygen reduction potential (ORP) and dissolved

oxygen (DO) were measured initially and at regular volume intervals. Well purging continued until consecutive pH, specific conductivity, DO, and temperature measurements were relatively stable. Field measurements, purge volumes, and sample collection data were recorded on field sampling data sheets, included as **Appendix C**.

Groundwater samples were collected from each well using the peristaltic pump. The samples were decanted into 40-milliliter (mL) glass volatile organic analysis (VOA) vials supplied by McCampbell Analytical, Inc. (McCampbell) of Pittsburg, California. Sample containers were labeled, sealed in a plastic bag, placed on ice in a chilled cooler, and transported under COC to McCampbell, a State-certified laboratory, for analysis. The COC used for this monitoring event is included in **Appendix B**.

2.1.3 Equipment Decontamination

To minimize the potential for cross-contamination to occur, the groundwater monitoring equipment was decontaminated prior to being deployed in the first well, and again between each successive well. The tubing for the peristaltic pump was discarded after use at each well.

2.1.4 Sample Analysis

Groundwater samples collected during the Second Half event were analyzed for total petroleum hydrocarbons as gasoline (TPHg) and TPH as diesel (TPHd) by modified Environmental Protection Agency (EPA) Method SW8015Bm (with silica gel clean-up for TPHd samples), and benzene, toluene, ethylbenzene and total xylenes (BTEX) and methyl tertiary-butyl ether (MTBE) by EPA Method SW8021B. The laboratory was instructed to confirm MTBE reported by SW8021B, by analyzing that sample again by EPA Method 8260B.

2.2 Second Half 2015 Monitoring and Sampling Event Results

Groundwater Flow Direction	West
Hydraulic Gradient	0.005
Measured Groundwater Depth from Top of Casing in Monitoring Wells	22.12 to 23.81 feet
Measureable Separate Phase Hydrocarbons	None

2.2.1 Groundwater Flow Direction and Gradient

Depth-to-water measurements collected on September 15, 2015 ranged from 22.12 to 23.81 feet below TOC and indicated that that groundwater table was at historical low levels. Groundwater elevations were calculated by subtracting the depth-to-water measurements from the surveyed TOC elevations. Groundwater elevations were plotted on a Site plan and contoured. The groundwater elevation in MW-4 was anomalously high during this event and, subsequently, was not used for contouring. Based on depth-to-water data collected during the Second Half 2015 monitoring event, groundwater flow direction was calculated toward the west at a gradient of 0.005. This westerly groundwater flow direction varies slightly from previous events that typically show groundwater flow towards the northwest. Depth-to-water and groundwater elevation data for the Site are summarized in **Table 2** and presented on **Figure 2**.

2.2.2 Groundwater Analytical Results

Hydrocarbon concentrations were detected in wells MW-2, MW-3A, MW-6, and MW-7 during the Second Half 2015 sampling event.

TPHg was detected in wells MW-2, MW-3A, and MW-6 at concentrations ranging from 820 micrograms per liter (μg/L) in MW-6 to 35,000 μg/L in MW-2.

- Benzene concentrations were detected in wells MW-2, MW-3A, and MW-6 at concentrations ranging from 220 μg/L in MW-6 to 3,200 μg/L in MW-3A.
- Toluene, ethylbenzene, and xylenes were detected in wells MW-2, MW-3A, and MW-6 at varying concentrations. Very low concentrations of xylenes were also detected in MW-7.

TPHd was detected in wells MW-2, MW-3A, and MW-6 at concentrations of 2,200, 1,700, and 200 μg/L, respectively. The analytical notes specify that gasoline compounds are significant in these samples suggesting that the reported TPHd detections may be from heavier compounds of the gasoline-range hydrocarbons.

- No MTBE was detected above laboratory reporting limits in any of the wells.

Hydrocarbon concentrations detected within the monitoring well network continue to exhibit a stable and fully defined plume (**Figure 3**). The analytical results are provided in **Table 2**. The laboratory analytical report and sample COC documents are presented as **Appendix B**

2.2.3 2.2.3 GeoTracker Submittal

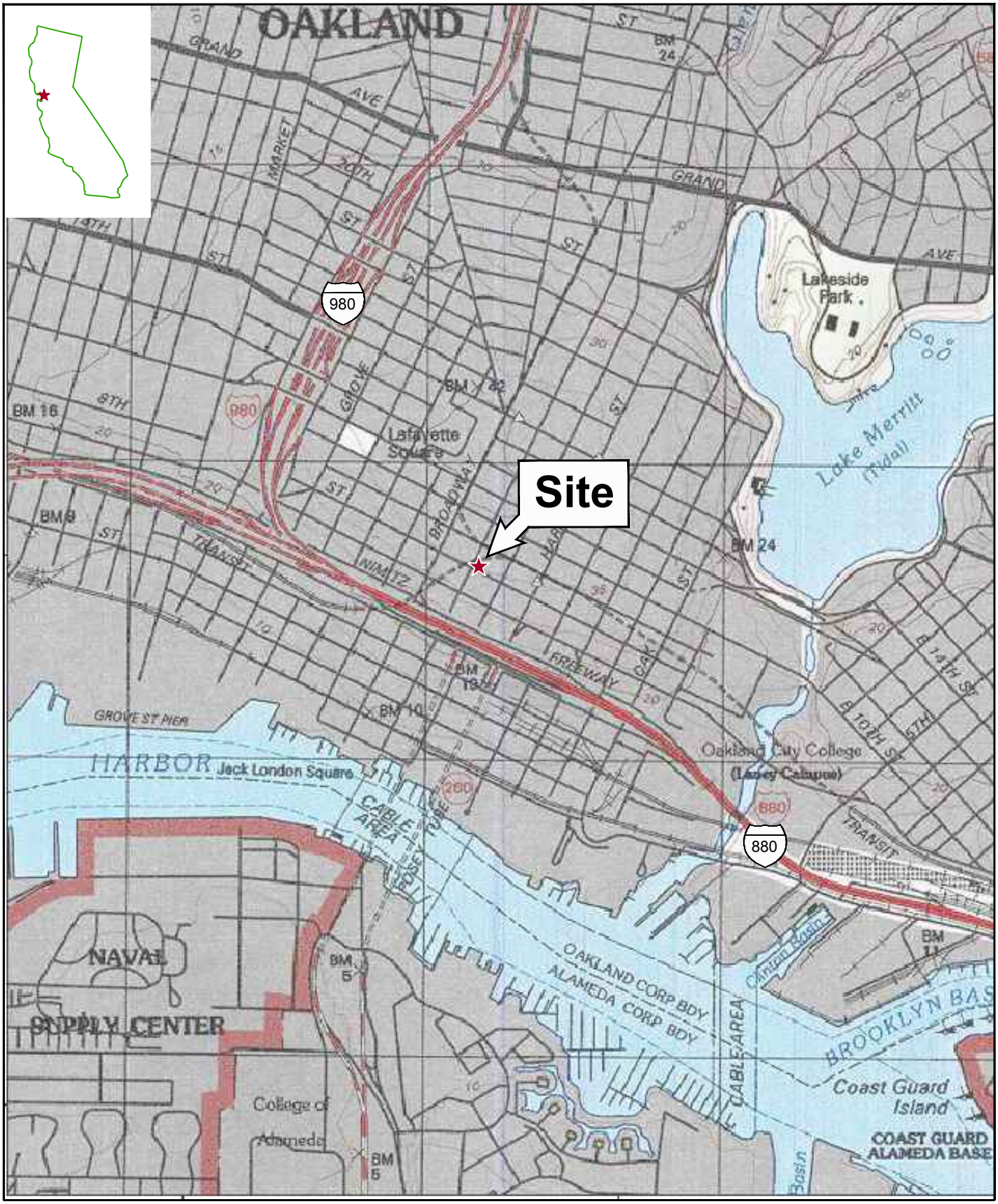
Data from the Second Half 2015 monitoring event was uploaded to the GeoTracker database.

3. Proposed Activities for the First Half 2016

The next round of semi-annual groundwater monitoring and sampling will be conducted during the First Quarter of 2016. Water levels will be gauged in all monitoring wells and groundwater samples will be collected from all wells except MW-1, MW-4 and MW-5. Sampling of wells MW-1, MW-4 and MW-5 has been discontinued due to the lack of hydrocarbons in these wells. The groundwater samples will be analyzed for TPHd with silica gel cleanup and TPHg by modified EPA Method SW8015Bm, and MTBE and BTEX by modified EPA Method SW8021B. The results from the First Half 2016 groundwater monitoring and sampling activities will be reported in the Groundwater Monitoring Report – First Half 2016.

GHD's Soil Gas Assessment Work Plan dated May 2015 was approved by ACEH in their letter dated May 11, 2015. GHD plans to implement the proposed soil gas assessment field activities during the Fourth Quarter 2015.

Figures



0 500 1500ft

CHIU PROPERTY
800 FRANKLIN STREET
OAKLAND, CALIFORNIA

581000

Oct 30, 2015

VICINITY MAP

Figure 1

CAD File: I:\IR\6-chars\5810--\581000\581000-CHIU\581000-FIGURES\581000 RPTs\581000-RPT-22\581000-2015(022)GN-EM001.dwg

8TH STREET

BROADWAY

Driveway

Former Dispenser Island (typ.)

Excavation Area

Former Fuel Lines

Former Shell Station
461 8th St.

Driveway

Driveway

705-721 Broadway

Freight Elevator

Building

Bradford Pharmacy
445 8th St.

BART Easement surveyed by Virgil Chavez on March 4, 2011

B.A.R.T. Parking Lot

American Asian Home Care, Inc.
704 Broadway

MW-7
9.68
<50
<0.50
<5.0

BART boring No. 14

BART boring No. 15

MW-6
10.37
820
220
<10

MW-3A
10.58
26,000
3,200
<500

MW-1
10.79
NS

MW-5
10.05
NS

MW-2
10.66
35,000
2,400
<500

MW-4
11.61*
NS

9.75

10.00

10.25

10.50

10.75

0.005

former 6,000 gal. gasoline USTs

Current Two Story Building

former dispenser island

possible former UST location (unknown size/contents)

former 550 gal. waste oil UST

former 1,000 gal. solvent UST

FRANKLIN STREET

EIGHTH STREET

0°
90°
180°
270°
Historical Groundwater Flow Direction 4Q89 to 3Q15

LEGEND

- MONITORING WELL LOCATION
- APPROXIMATE BART SOIL BORING (BART 1963)
- 10.50 — GROUNDWATER ELEVATION CONTOUR, IN FEET ABOVE MEAN SEA LEVEL (MSL),
- x.xx — GROUNDWATER FLOW DIRECTION AND GRADIENT (ft/ft)
- WELL — WELL DESIGNATION
  ELEV — GROUNDWATER ELEVATION (MSL)
  TPHG — TPHg CONCENTRATION (µg/L)
  BENZ — BENZENE CONCENTRATION (µg/L)
  MTBE — MTBE CONCENTRATION (µg/L)
- NS — NOT SAMPLED
- * — NOT USED FOR CONTOURING

0 20 50ft

N

GHD

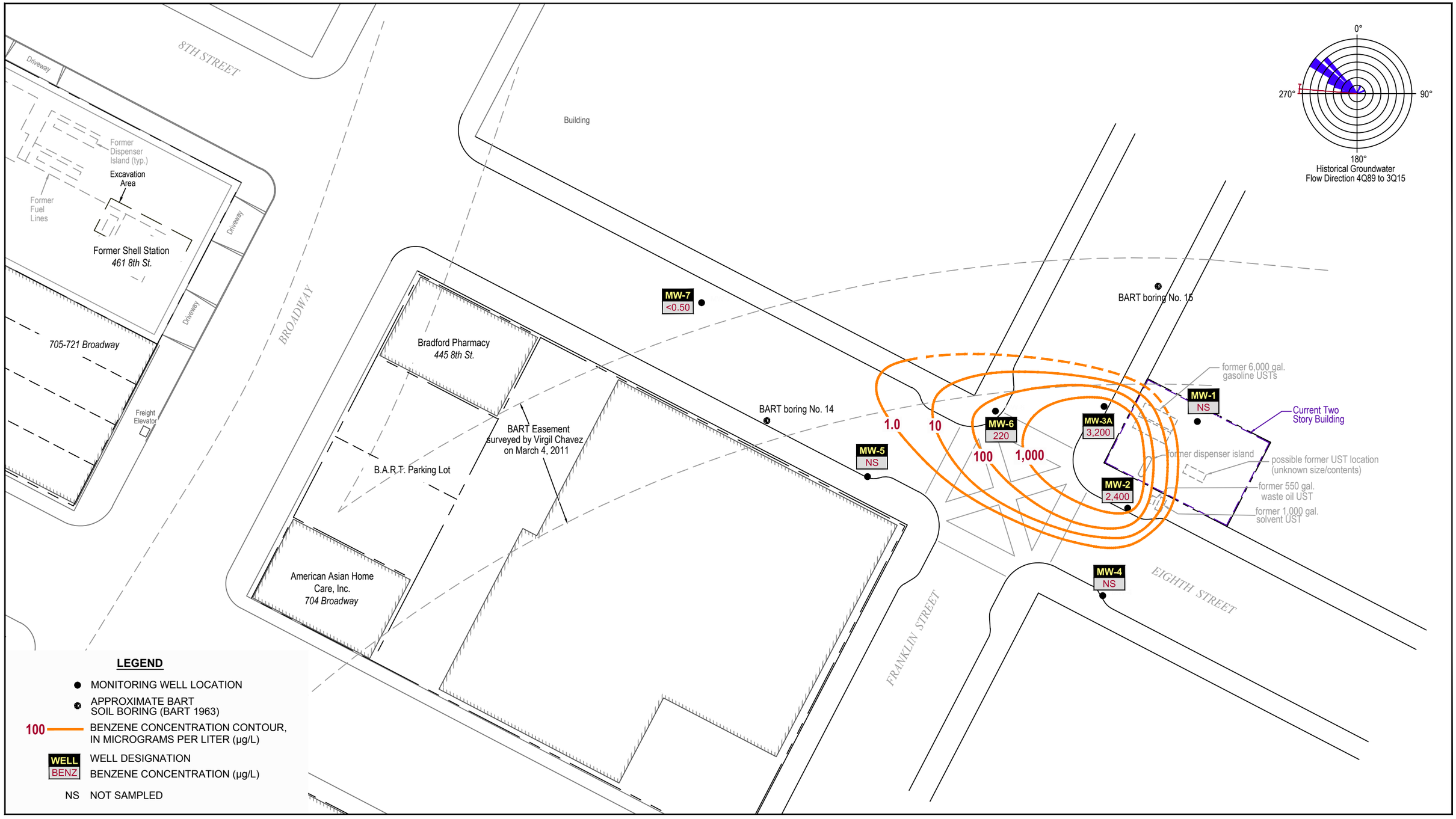
CHIU PROPERTY
800 FRANKLIN STREET
OAKLAND, CALIFORNIA

GROUNDWATER ELEVATION CONTOUR and HYDROCARBON CONCENTRATION MAP - SEPTEMBER 15, 2015

581000
Oct 30, 2015

Figure 2

CAD File: I:\IR\6-chars\5810--\581000\581000-CHIU\581000-FIGURES\581000 RPTs\581000-RPT-22\581000-2015(022)GN-EM002.DWG



0 20 50ft

N

GHD

CHIU PROPERTY
800 FRANKLIN STREET
OAKLAND, CALIFORNIA

DISSOLVED PHASE BENZENE
ISOCONCENTRATION MAP - SEPTEMBER 15, 2015

581000
Oct 30, 2015

Figure 3

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Tables

TABLE 1

WELL CONSTRUCTION DETAILS
CHIU PROPERTY
800 FRANKLIN STREET
OAKLAND, CALIFORNIA

Well ID	Date Installed	Borehole Depth (ft)	Borehole Diameter (in)	Casing Diameter (in)	Screen Interval (ft bgs)	Screen Size (in)	Filter Pack (ft bgs)	Bentonite Seal (ft bgs)	Cement Seal (ft bgs)	TOC Elevation (ft msl)
MW-1	1989	35.0	8.0	2	20.0 - 35.0	0.010	18.0 - 35.0	16.0 - 18.0	0 - 16.0	33.42
MW-2	1989	35.0	8.0	2	20.0 - 35.0	0.010	18.0 - 35.0	16.0 - 18.0	0 - 16.0	33.66
MW-3*	Installed: 1989 Destroyed: 1/29/07	35.0	8.0	2	20.0 - 35.0	0.010	18.0 - 35.0	16.0 - 18.0	0 - 16.0	34.23
MW-3A	2/8/2007	35.0	10.0	4	20.0 - 35.0	0.010	19.0 - 35.0	17.0 - 19.0	0 - 17.0	34.16
MW-4	10/2/1991	35.0	8.0	2	20.0 - 35.0	0.010	18.0 - 35.0	-	0 - 18.0	33.64
MW-5	10/3/1991	35.0	8.0	2	20.0 - 35.0	0.010	18.0 - 35.0	-	0 - 18.0	33.56
MW-6	5/15/1997	35.0	8.0	2	14.5 - 36.25	0.010	14.5 - 36.25	12.5 - 14.5	0 - 12.5	33.98
MW-7	5/23/2012	35.0	8.0	2	18.0 - 35.0	0.010	16.0 - 35.0	14.0 - 16.0	0 - 14.0	33.49

Abbreviations / Notes
ft = feet
in = inches
ft bgs = feet below grade surface
ft msl = feet above mean sea level
TOC = top of casing
* = Monitoring well MW-3 properly destroyed on January 29, 2007 by Cambria.

TABLE 2

GROUNDWATER ANALYTICAL AND ELEVATION DATA: PETROLEUM HYDROCARBONS
CHIU PROPERTY
800 FRANKLIN STREET
OAKLAND, CALIFORNIA

Well ID TOC Elevation (ft msl)	Date Sampled	Depth to Water (ft below TOC)	Groundwater Elevation (ft msl)	TPHg	TPHd	TPHmo	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	Chloroform	1,2-DCA
				←					µg/L				→
MW-1	10/12/1989	22.87	10.55	ND	--	--	ND	ND	ND	ND	--	0.8	8.6
33.42	10/31/1991	--	--	630	960	1,700	3.2	ND<0.5	ND<0.5	130	--	--	0.0098
34.89	10/21/1992	23.48	11.41	520	--	--	78	38	ND<0.5	120	--	--	ND
	2/25/1993	22.51	12.38	1,600	--	--	160	190	34	350	--	--	--
	4/27/1993	22.36	12.53	380	--	--	5.2	ND<0.5	ND<0.5	74	--	--	--
	10/7/1993	--	12.10	1,000	--	--	81	150	47	230	--	--	--
33.98	3/28/1994	--	11.91	460	--	--	14	25	14	39	--	--	--
	4/29/1994	--	--	--	--	--	--	--	--	--	--	--	--
	6/10/1994	--	11.66	--	--	--	--	--	--	--	--	--	--
	7/8/1994	--	11.62	--	--	--	--	--	--	--	--	--	--
	7/26/1994	--	11.48	--	--	--	--	--	--	--	--	--	--
	8/25/1994	--	11.47	--	--	--	--	--	--	--	--	--	--
	10/27/1994	22.51	11.47	ND<50	--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	--	--	--
	1/6/1995	--	12.08	--	--	--	--	--	--	--	--	--	--
	2/1/1995	--	12.79	--	--	--	--	--	--	--	--	--	--
	3/29/1995	--	12.75	--	--	--	--	--	--	--	--	--	--
	10/31/1995	--	12.48	1,400	--	--	15	38	49	510	19	--	--
	5/21/1997	--	12.49	150	--	--	2.9	1.5	8.6	26	ND<5.0	--	--
	8/10/2004	23.35	10.63	ND<50	--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	--	--
	9/28/2004É	--	--	--	--	--	--	--	--	--	--	--	--
	12/21/2004	22.93	11.05	ND<50	--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	--	--
	3/11/2005É	--	--	--	--	--	--	--	--	--	--	--	--
	6/16/2005	20.68	13.30	ND<50	--	--	0.64	ND<0.5	ND<0.5	ND<0.5	ND<5.0	--	--
	9/1/2005	20.74	13.24	ND<50	--	--	1.2	ND<0.5	ND<0.5	ND<0.5	ND<5.0	--	--
	12/16/2005	20.95	13.03	ND<50	--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	--	--
	3/10/2006	20.34	13.64	ND<50	--	--	0.60	ND<0.5	ND<0.5	ND<0.5	ND<5.0	--	--
	9/15/2006	21.51	12.47	ND<50	ND<50	ND<250	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	6.4	ND<0.5
	3/8/2007	21.81	12.17	ND<50	ND<50	ND<250	ND<0.5	ND<0.5	0.72	ND<0.5	ND<5.0	6.9	ND<0.5
	9/17/2007	22.08	11.90	ND<50	ND<50	ND<250	ND<0.5	ND<0.5	2.3	ND<0.5	ND<0.5	4.7	ND<0.5
	3/4/2008	21.72	12.26	ND<50	ND<50	ND<250	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.3	ND<0.5
	9/3/2008	22.70	11.28	ND<50	ND<50	ND<250	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.98	ND<0.5
	3/4/2009	22.49	11.49	ND<50	ND<50	ND<250	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.65
	9/8/2009	22.80	11.18	ND<50	ND<50	ND<250	ND<0.5 (ND<0.5)	ND<0.5 (ND<0.5)	ND<0.5 (ND<0.5)	ND<0.5 (ND<0.5)	ND<0.5 (ND<0.5)	ND<0.5	ND<0.5
	3/19/2010	22.25	11.73	ND<50	ND<50	--	(ND<0.5)	(ND<0.5)	(ND<0.5)	(ND<0.5)	(ND<0.5)	ND<0.5	0.58
	9/3/2010	22.51	11.47	ND<50	ND<50	--	(ND<0.5)	(ND<0.5)	(ND<0.5)	(ND<0.5)	(ND<0.5)	1.2	ND<0.5
	3/4/2011	22.10	11.88	ND<50	ND<50	--	(ND<0.5)	(ND<0.5)	(ND<0.5)	(ND<0.5)	(ND<0.5)	ND<0.5	ND<0.5
	8/22/2011	22.23	11.75	ND<50	ND<50	--	(ND<0.5)	(ND<0.5)	(ND<0.5)	(ND<0.5)	(ND<0.5)	ND<0.5	ND<0.5
	3/5/2012	22.61	11.37	ND<50	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	--	--
	9/27/2012	22.31	11.67	ND<50	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	--	--
	3/25/2013	22.20	11.78	--	--	--	--	--	--	--	--	--	--
	9/19/2013	22.84	11.14	--	--	--	--	--	--	--	--	--	--
	3/13/2014	22.80	11.18	--	--	--	--	--	--	--	--	--	--
	9/17/2014	←						Well Inaccessible					→
	3/30/2015	22.59	11.39	--	--	--	--	--	--	--	--	--	--
	9/15/2015	**23.19**	**10.79**	--	--	--	--	--	--	--	--	--	--
MW-2	10/12/1989	23.25	10.40	38,000	--	3,900	1,300	1,200	ND	4,700	--	--	--
33.66	10/31/1991	--	--	10,000	1,500	--	1,800	1,200	270	960	--	--	0.17
	11/6/1991	24.02	9.64	--	--	--	--	--	--	--	--	--	--
	10/21/1992	22.42	11.24	270,000	--	--	9,700	4,500	9,600	56,000	--	--	15.4

TABLE 2

GROUNDWATER ANALYTICAL AND ELEVATION DATA: PETROLEUM HYDROCARBONS
CHIU PROPERTY
800 FRANKLIN STREET
OAKLAND, CALIFORNIA

Well ID TOC Elevation (ft msl)	Date Sampled	Depth to Water (ft below TOC)	Groundwater Elevation (ft msl)	TPHg	TPHd	TPHmo	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	Chloroform	1,2-DCA
				←					µg/L				→
MW-2	2/25/1993	21.50	12.16	49,000	--	--	4,300	11,000	1,300	9,100	--	--	--
(cont.)	4/27/1993	21.26	12.40	39,000	--	--	1,400	4,000	220	5,200	--	--	--
	10/7/1993	--	12.04	50,000	--	--	2,700	8,100	940	7,800	--	--	--
	3/28/1994	--	11.88	20,000	--	--	360	1,300	220	1,800	--	--	--
	4/29/1994	--	11.87	--	--	--	--	--	--	--	--	--	--
	6/10/1994	--	11.44	--	--	--	--	--	--	--	--	--	--
	7/8/1994	--	11.42	--	--	--	--	--	--	--	--	--	--
	7/26/1994	--	11.22	--	--	--	--	--	--	--	--	--	--
	8/25/1994	--	11.01	--	--	--	--	--	--	--	--	--	--
	10/27/1994	22.66	11.00	21,000	--	--	1,200	3,700	600	4,300	--	--	--
	1/6/1995	--	11.66	--	--	--	--	--	--	--	--	--	--
	2/1/1995	--	12.21	--	--	--	--	--	--	--	--	--	--
	3/29/1995	--	12.66	--	--	--	--	--	--	--	--	--	--
	10/31/1995	--	11.51	45,000	--	--	3,100	8,800	1,200	8,400	810	--	--
	5/21/1997	--	12.65	18,000	--	--	1,400	4,200	680	3,600	370	--	--
	8/10/2004	21.03	12.63	47,000 (a)	--	--	4,200	4,900	1,400	6,000	ND<500	--	--
	9/28/2004	22.95	10.71	--	--	--	--	--	--	--	--	--	--
	12/21/2004	20.91	12.75	13,000 (a)	--	--	500	310	34	1600	ND<100	--	--
	3/11/2005	11.35	22.31	32,000 (a)	--	--	970	2,400	890	4,200	ND<1,000	--	--
	6/16/2005	20.50	13.16	43,000 (a,i)	--	--	1,500	3,400	1,200	5,400	ND<1,200	--	--
	9/1/2005	20.60	13.06	20,000 (a)	--	--	640	1,700	460	2,200	ND<200	--	--
	12/16/2005	20.83	12.83	32,000 (a,i)	--	--	1,000	3,100	760	3,800	ND<500	--	--
	3/10/2006	20.05	13.61	20,000 (a)	--	--	460	1,900	440	2,400	ND<400	--	--
	9/15/2006	21.31	12.35	43,000 (a)	3,100 (d)	ND<250	1,600	4,400	1,100	5,100	ND<500	16	ND<10
	3/8/2007	21.62	12.04	30,000 (a,h)	4,600 (d,h)	ND<1,200	1,200	3,400	890	4,500	ND<500	ND<50	ND<50 (j,h)
	9/17/2007	21.92	11.74	31,000 (a)	6,600 (d,b)	340	790	3,000	700	3,100	ND<100	ND<100	ND<100
	3/4/2008	--	--	--	--	--	--	--	--	--	--	--	--
	9/3/2008	22.50	11.16	46,000 (a)	5,100 (d)	370	1,700	8,600	1,400	7,500	ND<250	ND<250	ND<250
	3/4/2009	22.25	11.41	56,000 (a)	13,000 (d)	1,100	1,500	5,300	990	4,500	ND<10	ND<10	ND<10
	9/8/2009	22.60	11.06	42,000 (a)	11,000 (d)	1,200	1,400 (1,200)	5,200 (4,900)	970 (890)	5500 (4,900)	ND<100 (ND<100)	ND<0.5	ND<100
33.75	3/19/2010 **	21.96	11.70	30,000 (a,h)	12,000 (d,h)	--	(1,000)	(3,500)	(980)	(4,500)	(ND<50)	ND<5.0	ND<5.0
	9/3/2010	22.30	11.45	9,500 (a)	1,500 (d)	--	(320)	(290)	(140)	(970)	(ND<12)	ND<12	ND<12
	3/4/2011	21.85	11.90	12,000 (a)	2,200 (d)	--	(610)	(430)	(290)	(1,400)	(ND<25)	ND<25	ND<25
	8/22/2011	22.04	11.71	7,900 (a)	1,300 (d)	--	(320)	(270)	(170)	(1,400)	(ND<12)	ND<0.5	ND<12
	3/5/2012	22.32	11.43	18,000(a)	1,400 (d)	--	1,200	930	560	2,100	ND<500	--	--
	9/27/2012	22.16	11.59	6,300 (a)	690 (d)	--	410	290	130	830	ND<70	--	--
	3/25/2013	22.01	11.74	9,200 (a)	900 (d)	--	820	440	280	1,200	ND<250	--	--
	9/19/2013	22.68	11.07	20,000 (a)	2,300 (d)	--	1,900	2,200	630	3,100	ND<550	--	--
	3/13/2014	22.65	11.10	15,000 (a)	1,400 (d)	--	1,400	1,800	550	1,700	ND<350	--	--
	9/17/2014	23.94	9.81	42,000 (a)	1,900 (b,d)	--	2,300	5,200	1,300	5,700	ND<1,000	--	--
	3/30/2015	22.49	11.26	29,000 (a)	1,700 (d)	--	2,100	2,400	1,200	3,300	ND<750 (e)	--	--
	9/15/2015	**23.09**	**10.66**	**35,000 (a)**	**2,200 (d)**	**--**	**2,400**	**4,600**	**1,700**	**6,500**	**ND<500**	**--**	**--**
MW-3	10/12/1989	24.02	10.21	87,000	--	4,500	3,200	8,800	ND	6,500	--	--	70.0
34.23	10/31/1991	--	--	310,000	25,000	--	9,300	25,000	5,600	27,000	--	--	0.058
	11/6/1991	23.52	10.71	--	--	--	--	--	--	--	--	--	--
	10/21/1992	23.32	10.91	22,000	--	--	10,000	4,300	790	2,100	--	--	ND
	2/25/1993	22.51	11.72	29,000	--	--	8,400	5,400	1,300	3,300	--	--	--
	4/27/1993	22.37	11.86	50,000	--	--	8,200	8,700	1,000	5,400	--	--	--

TABLE 2

GROUNDWATER ANALYTICAL AND ELEVATION DATA: PETROLEUM HYDROCARBONS
CHIU PROPERTY
800 FRANKLIN STREET
OAKLAND, CALIFORNIA

Well ID TOC Elevation (ft msl)	Date Sampled	Depth to Water (ft below TOC)	Groundwater Elevation (ft msl)	TPHg	TPHd	TPHmo	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	Chloroform	1,2-DCA
				←					µg/L				→
MW-3	10/7/1993	--	14.19	1,700	--	--	3,100	3,700	400	1,700	--	--	--
(cont.)	3/28/1994	--	11.52	53,000	--	--	3,900	4,600	710	2,500	--	--	--
	4/29/1994	--	11.34	--	--	--	--	--	--	--	--	--	--
	6/10/1994	--	11.13	--	--	--	--	--	--	--	--	--	--
	7/8/1994	--	11.09	--	--	--	--	--	--	--	--	--	--
	7/26/1994	--	10.94	--	--	--	--	--	--	--	--	--	--
	8/25/1994	--	10.80	--	--	--	--	--	--	--	--	--	--
	10/27/1994	23.56	10.67	8,500	--	--	2,700	2,700	490	2,000	--	--	--
	1/6/1995	--	11.33	--	--	--	--	--	--	--	--	--	--
	2/1/1995	--	11.79	--	--	--	--	--	--	--	--	--	--
	3/29/1995	--	12.10	--	--	--	--	--	--	--	--	--	--
	10/31/1995	--	11.23	19,000	--	--	4,400	4,600	720	2,900	410	--	--
	5/21/1997	--	11.68	4,000	--	--	810	840	190	690	ND<100	--	--
	9/28/2004						*Well is damaged. Unable to measure depth to water or collect sample.*						
	12/21/2004						*Well is damaged. Unable to measure depth to water or collect sample.*						
	3/11/2005						*Well is damaged. Unable to measure depth to water or collect sample.*						
	6/16/2005						*Well is damaged. Unable to measure depth to water or collect sample.*						
	9/1/2005						*Well is damaged. Unable to measure depth to water or collect sample.*						
	12/16/2005						*Well is damaged. Unable to measure depth to water or collect sample.*						
	3/10/2006						*Well is damaged. Unable to measure depth to water or collect sample.*						
	9/15/2006						*Well is damaged. Unable to measure depth to water or collect sample.*						
	1/29/2007						*Well properly destroyed by Cambria.*						
MW-3A	1/29/2007						***MW-3A replaces MW-3***						
34.16	3/8/2007	22.42	11.74	30,000 (a,i)	1,700 (d,i)	ND<250	2,600	4,400	710	4,600	ND<1,000	ND<50	ND<50 (j)
	9/17/2007	22.65	11.51	9,800 (a)	980 (d)	ND<250	1,100	1,800	270	1,100	ND<25	ND<25	ND<25
	3/4/2008	22.31	11.85	21,000 (a,i)	1,700 (d,i)	ND<250	2,600	5,000	810	3,500	ND<50	ND<50	ND<50
	9/3/2008	23.11	11.05	13,000 (a)	880 (d)	ND<250	1,400	2,100	370	1,500	ND<50	ND<50	ND<50
	3/4/2009	22.98	11.18	12,000 (a)	810 (d)	ND<250	1,000	1,700	330	1,200	ND<5.0	7.9	7.2
	9/8/2009	23.25	10.91	8,900 (a)	780 (d)	ND<250	870 (830)	1300 (1,200)	260 (200)	1100 (880)	ND<25 (ND<25)	6.3	ND<25
	3/19/2010	22.79	11.37	16,000 (a)	1,700 (d)	--	(1,900)	(3,200)	(620)	(2,800)	(ND<50)	ND<5.0	10
	9/3/2010	23.02	11.14	35,000 (a)	1,600 (d)	--	(5,300)	(6,500)	(1,100)	(5,100)	(ND<120)	ND<120	ND<120
	3/4/2011	22.60	11.56	35,000 (a)	3,300 (d)	--	(5,000)	(6,400)	(1,900)	(8,800)	(ND<100)	ND<100	ND<100
	8/22/2011	22.71	11.45	42,000 (a)	2,700 (d)	--	(5,700)	(6,300)	(1,800)	(7,800)	(ND<120)	ND<0.5	ND<120
	3/5/2012	22.99	11.17	49,000(a)	1500 (d)	--	4,400	2,800	1,900	8,200	ND<800	--	--
	9/27/2012	22.85	11.31	51,000 (a)	3,200 (d)	--	5,100	4,000	2,000	8,300	ND<800	--	--
	3/25/2013	22.72	11.44	43,000 (a)	2,900 (d)	--	4,200	2,700	1,700	6,300	ND<250	--	--
	9/19/2013	23.30	10.86	31,000 (a)	3,100 (d)	--	3,200	2,100	1,500	6,200	ND<170	--	--
	3/13/2014	23.21	10.95	39,000 (a,k)	6,100 (b,d,l)	--	3,200	1,200	1,900	7,200	ND<200	--	--
	9/17/2014	23.46	10.70	39,000 (a)	1,500 (d)	--	3,300	1,200	1,500	5,900	ND<1,000	--	--
	3/30/2015	23.05	11.11	22,000 (a)	1,800 (d)	--	2,500	730	800	3,300	ND<180 (e)	--	--
	9/15/2015	**23.58**	**10.58**	**26,000 (a)**	**1,700 (d)**	**--**	**3,200**	**1,200**	**1,200**	**4,900**	**ND<500**	**--**	**--**
MW-4	10/31/1991	--	--	ND<50	--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	--	2.6	ND
33.64	11/6/1991	23.32	10.32	--	--	--	--	--	--	--	--	--	--
	10/21/1992	22.10	11.54	410	--	--	3.1	29	6.8	47	--	--	ND
	2/25/1993	21.13	12.51	170	--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	--	--	--
	4/27/1993	20.74	12.90	100	--	--	ND<0.5	ND<0.5	ND<0.5	0.9	--	--	--
	10/7/1993	--	12.52	240	--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	--	--	--
	3/28/1994	--	12.34	ND<50	--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	--	--	--

TABLE 2

GROUNDWATER ANALYTICAL AND ELEVATION DATA: PETROLEUM HYDROCARBONS
CHIU PROPERTY
800 FRANKLIN STREET
OAKLAND, CALIFORNIA

Well ID TOC Elevation (ft msl)	Date Sampled	Depth to Water (ft below TOC)	Groundwater Elevation (ft msl)	TPHg	TPHd	TPHmo	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	Chloroform	1,2-DCA
				←					µg/L				→
	4/29/1994	--	11.33	--	--	--	--	--	--	--	--	--	--
MW-4	6/10/1994	--	11.55	--	--	--	--	--	--	--	--	--	--
(cont.)	7/8/1994	--	11.54	--	--	--	--	--	--	--	--	--	--
	7/26/1994	--	11.30	--	--	--	--	--	--	--	--	--	--
	8/25/1994	--	11.09	--	--	--	--	--	--	--	--	--	--
	10/27/1994	22.69	10.95	ND<50	--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	--	--	--
	1/6/1995	--	11.70	--	--	--	--	--	--	--	--	--	--
	2/1/1995	--	12.34	--	--	--	--	--	--	--	--	--	--
	3/29/1995	--	12.76	--	--	--	--	--	--	--	--	--	--
	10/31/1995	--	11.61	80	--	--	ND<0.5	0.6	ND<0.5	1.0	ND<0.5	--	--
	5/21/1997	--	12.08	ND<50	--	--	11	120	27	180	ND<5.0	--	--
	9/28/2004	22.72	10.92	ND<50	--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	--	--
	12/21/2004	20.65	12.99	ND<50	--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	--	--
	3/11/2005	20.20	13.44	ND<50	--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	--	--
	6/16/2005	20.38	13.26	ND<50	--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	--	--
	9/1/2005	20.48	13.16	ND<50	--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	--	--
	12/16/2005	20.78	12.86	ND<50	--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	--	--
	3/10/2006	19.81	13.83	ND<50	--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	--	--
	9/15/2006	21.16	12.48	ND<50	ND<50	ND<250	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	28	ND<0.5
	3/8/2007	21.52	12.12	ND<50	ND<50	ND<250	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	23	ND<0.5
	9/17/2007	21.84	11.80	ND<50	ND<50	ND<250	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	18	ND<0.5
	3/4/2008	21.41	12.23	ND<50	ND<50	ND<250	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	13	ND<0.5
	9/3/2008	22.50	11.14	ND<50	ND<50	ND<250	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	12	ND<0.5
	3/4/2009	22.15	11.49	ND<50	ND<50	ND<250	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	14	ND<0.5
	9/8/2009	22.56	11.08	ND<50	ND<50	ND<250	ND<0.5 (ND<0.5)	ND<0.5 (ND<0.5)	ND<0.5 (ND<0.5)	ND<0.5 (ND<0.5)	ND<0.5 (ND<0.5)	11	ND<0.5
33.73	3/19/2010 *	21.88	11.76	ND<50	ND<50	--	(ND<0.5)	(ND<0.5)	(ND<0.5)	(ND<0.5)	(ND<0.5)	10	ND<0.5
	9/3/2010	22.21	11.52	ND<50	ND<50	--	(ND<0.5)	(ND<0.5)	(ND<0.5)	(ND<0.5)	(ND<0.5)	ND<0.5	ND<0.5
	3/4/2011	21.78	11.95	ND<50	ND<50	--	(ND<0.5)	(ND<0.5)	(ND<0.5)	(ND<0.5)	(ND<0.5)	1.0	ND<0.5
	8/22/2011	21.92	11.81	ND<50	ND<50	--	(ND<0.5)	(ND<0.5)	(ND<0.5)	(ND<0.5)	(ND<0.5)	ND<0.5	ND<0.5
	3/5/2012	22.34	11.39	ND<50	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	--	--
	9/27/2012	21.98	11.75	ND<50	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	--	--
	3/25/2013	21.95	11.78	--	--	--	--	--	--	--	--	--	--
	9/19/2013	←						Inaccessible					→
	3/13/2014	22.62	11.11	--	--	--	--	--	--	--	--	--	--
	9/17/2014	22.99	10.74	--	--	--	--	--	--	--	--	--	--
	3/30/2015	22.49	11.24	ND<50	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	--	--
	9/15/2015	**22.12**	**11.61**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**
MW-5	10/31/1991	--	--	ND<50	--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	--	1.1	--
33.51	11/6/1991	24.00	9.51	ND	--	--	ND	ND	ND	ND	--	--	--
	10/21/1992	23.24	10.27	840	--	--	17	120	39	180	--	--	--
33.56	2/25/1993	22.40	11.16	ND<50	--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	--	--	--
	4/27/1993	22.15	11.41	260	--	--	53	19	1.2	2.4	--	--	--
	10/7/1993	--	11.06	ND<50	--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	--	--	--
	3/28/1994	--	10.95	ND<50	--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	--	--	--
	4/29/1994	--	10.91	--	--	--	--	--	--	--	--	--	--
	6/10/1994	--	10.68	--	--	--	--	--	--	--	--	--	--
	7/8/1994	--	10.60	--	--	--	--	--	--	--	--	--	--
	7/26/1994	--	10.45	--	--	--	--	--	--	--	--	--	--
	8/25/1994	--	10.28	--	--	--	--	--	--	--	--	--	--

TABLE 2

GROUNDWATER ANALYTICAL AND ELEVATION DATA: PETROLEUM HYDROCARBONS
CHIU PROPERTY
800 FRANKLIN STREET
OAKLAND, CALIFORNIA

Well ID TOC Elevation (ft msl)	Date Sampled	Depth to Water (ft below TOC)	Groundwater Elevation (ft msl)	TPHg	TPHd	TPHmo	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	Chloroform	1,2-DCA
				←					µg/L				→
	10/27/1994	23.50	10.06	ND<50	--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	--	--	--
MW-5	1/6/1995	--	10.78	--	--	--	--	--	--	--	--	--	--
(cont.)	2/1/1995	--	11.25	--	--	--	--	--	--	--	--	--	--
	3/29/1995	--	11.63	--	--	--	--	--	--	--	--	--	--
	10/31/1995	--	10.64	ND<50	--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	--	--
	5/21/1997	--	11.04	260	--	--	2.4	33	7.7	56	ND<5.0	--	--
	9/28/2004	23.70	9.86	ND<50	--	--	ND<0.5	ND<0.5	ND<0.5	1.5	ND<5.0	--	--
	12/21/2004	21.40	12.16	ND<50	--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	--	--
	3/11/2005	21.40	12.16	ND<50	--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	--	--
	6/16/2005	21.63	11.93	ND<50 (i)	--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	--	--
	9/1/2005	21.65	11.91	ND<50	--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	--	--
	12/16/2005	21.94	11.62	ND<50 (i)	--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	--	--
	3/10/2006	21.11	12.45	ND<50	--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	--	--
	9/15/2006	22.20	11.36	ND<50	ND<50	ND<250	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	10	ND<0.5
	3/8/2007	22.44	11.12	ND<50	ND<50	ND<250	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	18	ND<0.5
	9/17/2007	22.73	10.83	ND<50	ND<50	ND<250	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	14	ND<0.5
	3/4/2008	22.32	11.24	ND<50	ND<50	ND<250	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	19	ND<0.5
	9/3/2008	23.13	10.43	ND<50	ND<50	ND<250	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	17	ND<0.5
	3/4/2009	22.95	10.61	ND<50	ND<50	ND<250	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	14	ND<0.5
	9/8/2009	23.21	10.35	ND<50	ND<50	ND<250	ND<0.5 (ND<0.5)	ND<0.5 (ND<0.5)	ND<0.5 (ND<0.5)	ND<0.5 (ND<0.5)	ND<0.5 (ND<0.5)	11	ND<0.5
33.67	3/19/2010 *	22.72	10.84	ND<50	ND<50	--	(ND<0.5)	(ND<0.5)	(ND<0.5)	(ND<0.5)	(ND<0.5)	14	ND<0.5
	9/3/2010	23.03	10.64	ND<50	ND<50	--	(ND<0.5)	(ND<0.5)	(ND<0.5)	(ND<0.5)	(ND<0.5)	7.2	ND<0.5
	3/4/2011	22.60	11.07	ND<50	ND<50	--	(ND<0.5)	(ND<0.5)	(ND<0.5)	(ND<0.5)	(ND<0.5)	3.4	ND<0.5
	8/22/2011	22.63	11.04	ND<50	ND<50	--	(ND<0.5)	(ND<0.5)	(ND<0.5)	(ND<0.5)	(ND<0.5)	1.9	ND<0.5
	3/5/2012	22.94	10.73	ND<50	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	--	--
	9/27/2012	22.75	10.92	ND<50	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	--	--
	3/25/2013	22.73	10.94	--	--	--	--	--	--	--	--	--	--
	9/19/2013	23.34	10.33	--	--	--	--	--	--	--	--	--	--
	3/13/2014	23.32	10.35	--	--	--	--	--	--	--	--	--	--
	9/17/2014	23.57	10.10	--	--	--	--	--	--	--	--	--	--
	3/30/2015	23.10	10.57	ND<50	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	--	--
	9/15/2015	**23.62**	**10.05**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**
MW-6	5/21/1997	--	11.26	760	--	--	2.5	1.7	ND<0.50	25	10	--	--
33.98	9/28/2004	24.00	9.98	ND<50	--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	--	--
	12/21/2004	21.61	12.37	ND<50	--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	--	--
	3/11/2005	21.60	12.38	340 (a)	--	--	1.9	2.6	0.68	0.61	ND<5.0	--	--
	6/16/2005	21.81	12.17	1,300 (a)	--	--	58	8.3	6.1	4.0	ND<25	--	--
	9/1/2005	21.82	12.16	1,900 (a)	--	--	150	19	18	76	ND<12	--	--
	12/16/2005	22.03	11.95	3,600 (a,i)	--	--	560	63	33	230	ND<50	--	--
	3/10/2006	21.46	12.52	2,200 (a)	--	--	240	10	20	87	ND<50	--	--
	9/15/2006	22.46	11.52	1,800 (a)	480 (d)	ND<250	10	6.7	9.9	42	ND<17	3.2	ND<0.5
	3/8/2007	22.64	11.34	4,300 (a)	890 (d)	ND<250	260	36	29	140	ND<60	ND<10	ND<10 (j)
	9/17/2007	22.88	11.10	7,000 (a)	970 (d)	ND<250	760	28	46	270	ND<10	ND<10	ND<10
	3/4/2008	22.51	11.47	400 (a)	74 (d)	ND<250	46	ND<1.0	1.0	6.0	ND<1.0	ND<1.0	ND<1.0
	9/3/2008	23.24	10.74	280 (a)	69 (d, b)	ND<250	2.9	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5
	3/4/2009	23.14	10.84	670 (a)	150 (d)	ND<250	68	13	ND<2.5	12	ND<2.5	ND<2.5	ND<2.5
	9/8/2009	23.38	10.60	8,000 (a)	1,400 (d)	ND<250	870 (770)	16 (ND<12)	34 (17)	1500 (1,200)	ND<12 (ND<12)	ND<0.5	ND<12
34.05	3/19/2010 *	22.93	11.05	8,900 (a)	1,200 (d)	--	(2,900)	(ND<100)	(ND<100)	(ND<100)	(ND<5.0)	ND<5.0	15
	9/3/2010	23.19	10.86	4,600 (a)	710 (d)	--	(1,500)	(33)	(35)	(79)	(ND<25)	ND<25	ND<25

TABLE 2

GROUNDWATER ANALYTICAL AND ELEVATION DATA: PETROLEUM HYDROCARBONS
CHIU PROPERTY
800 FRANKLIN STREET
OAKLAND, CALIFORNIA

Well ID TOC Elevation (ft msl)	Date Sampled	Depth to Water (ft below TOC)	Groundwater Elevation (ft msl)	TPHg	TPHd	TPHmo	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	Chloroform	1,2-DCA
				←					µg/L				→
	3/4/2011	22.78	11.27	3,700 (a)	410 (d)	--	(1,300)	(170)	(70)	(200)	(ND<25)	ND<25	ND<25
MW-6	8/22/2011	22.85	11.20	490 (a)	120 (b,d)	--	(190)	(ND<5.0)	(ND<5.0)	(ND<5.0)	(ND<5.0)	0.86	ND<5.0
(cont.)	3/5/2012	23.16	10.89	190 (a)	65 (b,d)	--	38	2.7	1.4	7.3	ND<15	--	--
	9/27/2012	22.91	11.14	79 (a)	ND<50	--	11	ND<0.5	ND<0.5	0.90	ND<5.0	--	--
	3/25/2013	22.87	11.18	59 (a)	ND<50	--	12	ND<0.5	ND<0.5	ND<0.5	ND<5.0	--	--
	9/19/2013	23.40	10.65	8,500 (a)	1,100 (d)	--	3,200	48	52	92	ND<250	--	--
	3/13/2014	23.36	10.69	2,300 (a)	140 (b,d)	--	900	3.1	11	16	ND<17	--	--
	9/17/2014	23.61	10.44	7,600 (a)	830 (d)	--	2,600	45.0	55	130	ND<100	--	--
	3/30/2015	23.19	10.86	850 (a)	93 (d)	--	260	2.7	7.8	12	ND<5.0	--	--
	9/15/2015	**23.68**	**10.37**	**820 (a)**	**200 (d, m)**	**--**	**220**	**5.5**	**5.7**	**14**	**ND<10**	**--**	**--**
MW-7	6/25/2012	22.98	10.51	ND<50	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	--	--
33.49	9/27/2012	23.22	10.27	ND<50	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	--	--
	12/4/2012	23.46	10.03	ND<50	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	--	--
	3/25/2013	23.19	10.30	ND<50	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	--	--
	9/19/2013	23.65	9.84	ND<50	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	--	--
	3/13/2014	23.60	9.89	ND<50	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	--	--
	9/17/2014	23.73	9.76	ND<50	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	--	--
	3/30/2015	23.44	10.05	ND<50	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	--	--
	9/15/2015	**23.81**	**9.68**	**ND<50**	**ND<50**	**--**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**1.0**	**ND<5.0**	**--**	**--**
Grab Groundwater													
B-7	3/11/2011	--	--	ND<50 (i)	--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	--	--	--
B-8	3/11/2011	--	--	ND<50 (i)	--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	--	--	--
B-9	3/12/2011	--	--	ND<50 (i)	--	--	ND<0.5	3.0	ND<0.5	ND<0.5	--	--	--

GROUNDWATER ANALYTICAL AND ELEVATION DATA: PETROLEUM HYDROCARBONS
CHIU PROPERTY
800 FRANKLIN STREET
OAKLAND, CALIFORNIA

Well ID TOC Elevation (ft msl)	Date Sampled	Depth to Water (ft below TOC)	Groundwater Elevation (ft msl)	TPHg	TPHd	TPHmo	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	Chloroform	1,2-DCA
				←					µg/L				→

Abbreviations and Notes:
TOC Elevation = Top of well casing elevation
ft msl = Feet above mean sea level
ft below TOC = Feet below top of casing
µg/L = Micrograms per liter
TPHg = Total petroleum hydrocarbons as gasoline by EPA Method SW8015C.
TPHd = Total petroleum hydrocarbons as diesel by EPA Method SW8015C with silica gel cleanup.
TPHmo = Total petroleum hydrocarbons as motor oil by EPA Method SW8015C with silica gel cleanup.
Benzene, toluene, ethylbenzene, and xylenes by EPA Method SW8021B (SW8260B).
MTBE = Methyl tertiary-butyl ether by EPA Method SW8021B by (8260B)
Chloroform by EPA Method SW8260B.
1,2-DCA = 1,2-Dichloroethane by EPA Method SW8260B.
Sheen = A sheen was observed on the water's surface.
Field = Observed in the field.
Lab = Observed in analytical laboratory.
(a) = unmodified or weakly modified gasoline is significant
(b) = diesel range compounds are significant; no recognizable pattern
(d) = gasoline range compounds are significant
(e) = reporting limit for MTBE raised due to co-elution with non-target peaks
(h) = lighter than water immiscible sheen/product is present
(i) = liquid sample that contains ~1 vol. % sediment
(j) = sample diluted due to high organic content/matrix interference
(k) = surrogate recovery outside of the control limits due to coelution with another peak(s) / cluttered chromatogram.
(l) = oil range compounds are significant
(m) = Stoddard solvent/mineral spirit may be present
ND<5.0 = Not detected above detection limit.
-- = Not available, not analyzed, or not applicable
* = Surveyed September 7, 2006; updated to table May 24, 2010
** = Surveyed March 8, 2007; updated to table May 24, 2010
É = Unable to access well due to denial by current tenant

Appendices

Appendix A
Standard Field Procedures for Groundwater Monitoring and Sampling

GHD Services, Inc.

STANDARD FIELD PROCEDURES FOR
GROUNDWATER MONITORING AND SAMPLING

This document presents standard field methods for groundwater monitoring, purging and sampling, and well development. These procedures are designed to comply with Federal, State and local regulatory guidelines. GHD Services, Inc.'s field procedures are summarized below.

Groundwater Elevation Monitoring

Prior to performing monitoring activities, the historical monitoring and analytical data of each monitoring well shall be reviewed to determine if any of the wells are likely to contain non-aqueous phase liquid (NAPL) and to determine the order in which the wells will be monitored (i.e. cleanest to dirtiest). Groundwater monitoring should not be performed when the potential exists for surface water to enter the well (i.e. flooding during a rainstorm).

Prior to monitoring, each well shall be opened and the well cap removed to allow water levels to stabilize and equilibrate. The condition of the well box and well cap shall be observed and recommended repairs noted. Any surface water that may have entered and flooded the well box should be evacuated prior to removing the well cap. In wells with no history of NAPL, the static water level and total well depth shall be measured to the nearest 0.01 foot with an electronic water level meter. Wells with the highest contaminant concentrations shall be measured last. In wells with a history of NAPL, the NAPL level/thickness and static water level shall be measured to the nearest 0.01 foot using an electronic interface probe. The water level meter and/or interface probe shall be thoroughly cleaned and decontaminated at the beginning of the monitoring event and between each well. Monitoring equipment shall be washed using soapy water consisting of Liqui-nox™ or Alconox™ followed by one rinse of clean tap water and then two rinses of distilled water.

Groundwater Purging and Sampling

Prior to groundwater purging and sampling, the historical analytical data of each monitoring well shall be reviewed to determine the order in which the wells should be purged and sampled (i.e. cleanest to dirtiest). No purging or groundwater sampling shall be performed on wells with a measurable thickness of NAPL or floating NAPL globules. If a sheen is observed, the well should be purged and a groundwater sample collected only if no NAPL is present. Wells shall be purged either by hand using a disposal or PVC bailer or by using an aboveground pump (e.g. peristaltic or Wattera™) or down-hole pump (e.g. Grundfos™ or DC Purger pump).

Groundwater wells shall be purged approximately three to ten well-casing volumes (depending on the regulatory agency requirements) or until groundwater parameters of temperature, pH, and conductivity have stabilized to within 10% for three consecutive readings. Temperature, pH, and conductivity shall be measured and recorded at least once per well casing volume removed. The total volume of groundwater removed shall be recorded along with any other notable physical characteristic such as color and odor. If required, field parameters such as turbidity, dissolved oxygen (DO), and oxidation-

reduction potential (ORP) shall also be measured prior to collection of each groundwater sample.

Groundwater samples shall be collected after the well has been purged. If the well is slow to recharge, a sample shall be collected after the water column is allowed to recharge to 80% of the pre-purging static water level. If the well does not recover to 80% in 2 hours, a sample shall be collected once there is enough groundwater in the well. Groundwater samples shall be collected using clean disposable bailers or pumps (if an operating remediation system exists on site and the project manager approves of its use for sampling) and shall be decanted into clean containers supplied by the analytical laboratory. New latex gloves and disposable tubing or bailers shall be used for sampling each well. If a PVC bailer or down-hole pump is used for groundwater purging, it shall be decontaminated before purging each well by using soapy water consisting of Liqui-nox™ or Alconox™ followed by one rinse of clean tap water and then two rinses of distilled water. If a submersible pump with non-dedicated discharge tubing is used for groundwater purging, both the inside and outside of pump and discharge tubing shall be decontaminated as described above.

Sample Handling

Except for samples that will be tested in the field, or that require special handling or preservation, samples shall be stored in coolers chilled to 4° C for shipment to the analytical laboratory. Samples shall be labeled, placed in protective foam sleeves or bubble wrap as needed, stored on crushed ice at or below 4° C, and submitted under chain-of-custody (COC) to the laboratory. The laboratory shall be notified of the sample shipment schedule and arrival time. Samples shall be shipped to the laboratory within a time frame to allow for extraction and analysis to be performed within the standard sample holding times.

Sample labels shall be filled out using indelible ink and must contain the site name; field identification number; the date, time, and location of sample collection; notation of the type of sample; identification of preservatives used; remarks; and the signature of the sampler. Field identification must be sufficient to allow easy cross-reference with the field datasheet.

All samples submitted to the laboratory shall be accompanied by a COC record to ensure adequate documentation. A copy of the COC shall be retained in the project file. Information on the COC shall consist of the project name and number; project location; sample numbers; sampler/recorder's signature; date and time of collection of each sample; sample type; analyses requested; name of person receiving the sample; and date of receipt of sample.

Laboratory-supplied trip blanks shall accompany the samples and be analyzed to check for cross-contamination, if requested by the project manager.

Waste Handling and Disposal

Groundwater extracted during sampling shall be stored onsite in sealed U.S. DOT H17 55-gallon drums and shall be labeled with the contents, date of generation, generator identification, and consultant contact. Extracted groundwater may be disposed offsite by a licensed waste handler or may be treated and discharged via an operating onsite groundwater extraction/treatment system.

Appendix B
Certified Analytical Reports and Chain of Custody Documentation

McCampbell Analytical, Inc.
"When Quality Counts"

Analytical Report

WorkOrder: 1509602

Report Created for: GHD

5900 Hollis St, Suite A
Emeryville, CA 94608

Project Contact: Bryan Fong
Project P.O.:
Project Name: F1-150915; 800 Franklin St, Oakland

Project Received: 09/16/2015

Analytical Report reviewed & approved for release on 09/23/2015 by:

Angela Rydelius,
Laboratory Manager

1534 Willow Pass Rd. Pittsburg, CA 94565 ♦ TEL: (877) 252-9262 ♦ FAX: (925) 252-9269 ♦ www.mccampbell.com
NELAP: 4033ORELAP ♦ ELAP: 1644 ♦ ISO/IEC: 17025:2005 ♦ WSDE: C972-11 ♦ ADEC: UST-098 ♦ UCMR3

McCampbell Analytical, Inc.
"When Quality Counts"

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Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Glossary of Terms & Qualifier Definitions

Client: GHD
Project: F1-150915; 800 Franklin St, Oakland
WorkOrder: 1509602

Glossary Abbreviation

95% Interval	95% Confident Interval
DF	Dilution Factor
DI WET	(DISTLC) Waste Extraction Test using DI water
DISS	Dissolved (direct analysis of 0.45 µm filtered and acidified water sample)
DUP	Duplicate
EDL	Estimated Detection Limit
ITEF	International Toxicity Equivalence Factor
LCS	Laboratory Control Sample
MB	Method Blank
MB % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit
ML	Minimum Level of Quantitation
MS	Matrix Spike
MSD	Matrix Spike Duplicate
N/A	Not Applicable
ND	Not detected at or above the indicated MDL or RL
NR	Data Not Reported due to matrix interference or insufficient sample amount.
PF	Prep Factor
RD	Relative Difference
RL	Reporting Limit (The RL is the lowest calibration standard in a multipoint calibration.)
RPD	Relative Percent Deviation
RRT	Relative Retention Time
SPK Val	Spike Value
SPKRef Val	Spike Reference Value
SPLP	Synthetic Precipitation Leachate Procedure
TCLP	Toxicity Characteristic Leachate Procedure
TEQ	Toxicity Equivalents
WET (STLC)	Waste Extraction Test (Soluble Threshold Limit Concentration)

Analytical Qualifiers

d1	weakly modified or unmodified gasoline is significant
e4	gasoline range compounds are significant.
e11/e4	stoddard solvent/mineral spirit (?); and/or gasoline range compounds are significant.

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Analytical Report

Client:	GHD	**WorkOrder:**	1509602
Date Received:	9/16/15 17:52	**Extraction Method:**	SW5030B
Date Prepared:	9/21/15-9/22/15	**Analytical Method:**	SW8021B/8015Bm
Project:	F1-150915; 800 Franklin St, Oakland	**Unit:**	µg/L

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
MW-6	1509602-001A	Water	09/15/2015 06:55	GC3	110492

Analytes	Result	RL	DF	Date Analyzed
TPH(g)	**820**	100	2	09/22/2015 23:18
MTBE	ND	10	2	09/22/2015 23:18
Benzene	**220**	1.0	2	09/22/2015 23:18
Toluene	**5.5**	1.0	2	09/22/2015 23:18
Ethylbenzene	**5.7**	1.0	2	09/22/2015 23:18
Xylenes	**14**	1.0	2	09/22/2015 23:18

Surrogates	REC (%)	Limits	
aaa-TFT	108	70-130	09/22/2015 23:18

Analyst(s): IA Analytical Comments: d1

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
MW-2	1509602-002A	Water	09/15/2015 07:25	GC3	110492

Analytes	Result	RL	DF	Date Analyzed
TPH(g)	**35,000**	5000	100	09/21/2015 20:47
MTBE	ND	500	100	09/21/2015 20:47
Benzene	**2400**	50	100	09/21/2015 20:47
Toluene	**4600**	50	100	09/21/2015 20:47
Ethylbenzene	**1700**	50	100	09/21/2015 20:47
Xylenes	**6500**	50	100	09/21/2015 20:47

Surrogates	REC (%)	Limits	
aaa-TFT	89	70-130	09/21/2015 20:47

Analyst(s): IA Analytical Comments: d1

(Cont.)

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"When Quality Counts"

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Analytical Report

Client:	GHD	**WorkOrder:**	1509602
Date Received:	9/16/15 17:52	**Extraction Method:**	SW5030B
Date Prepared:	9/21/15-9/22/15	**Analytical Method:**	SW8021B/8015Bm
Project:	F1-150915; 800 Franklin St, Oakland	**Unit:**	µg/L

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
MW-7	1509602-003A	Water	09/15/2015 07:55	GC3	110492

Analytes	Result	RL	DF	Date Analyzed
TPH(g)	ND	50	1	09/21/2015 22:22
MTBE	ND	5.0	1	09/21/2015 22:22
Benzene	ND	0.50	1	09/21/2015 22:22
Toluene	ND	0.50	1	09/21/2015 22:22
Ethylbenzene	ND	0.50	1	09/21/2015 22:22
Xylenes	**1.0**	0.50	1	09/21/2015 22:22

Surrogates	REC (%)	Limits	
aaa-TFT	93	70-130	09/21/2015 22:22

Analyst(s): IA

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
MW-3A	1509602-004A	Water	09/15/2015 08:30	GC3	110492

Analytes	Result	RL	DF	Date Analyzed
TPH(g)	**26,000**	5000	100	09/21/2015 22:53
MTBE	ND	500	100	09/21/2015 22:53
Benzene	**3200**	50	100	09/21/2015 22:53
Toluene	**1200**	50	100	09/21/2015 22:53
Ethylbenzene	**1200**	50	100	09/21/2015 22:53
Xylenes	**4900**	50	100	09/21/2015 22:53

Surrogates	REC (%)	Limits	
aaa-TFT	81	70-130	09/21/2015 22:53

Analyst(s): IA Analytical Comments: d1

McCampbell Analytical, Inc.
"When Quality Counts"

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Analytical Report

Client:	GHD	**WorkOrder:**	1509602
Date Received:	9/16/15 17:52	**Extraction Method:**	SW3510C/3630C
Date Prepared:	9/16/15	**Analytical Method:**	SW8015B
Project:	F1-150915; 800 Franklin St, Oakland	**Unit:**	µg/L

Total Extractable Petroleum Hydrocarbons with Silica Gel Clean-Up

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
MW-6	1509602-001B	Water	09/15/2015 06:55	GC11A	110294

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	**200**	50	1	09/18/2015 18:41
Surrogates	**REC (%)**	**Limits**		
C9	120	70-130		09/18/2015 18:41

Analyst(s): TK Analytical Comments: e11/e4

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
MW-2	1509602-002B	Water	09/15/2015 07:25	GC11A	110294

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	**2200**	50	1	09/18/2015 19:49
Surrogates	**REC (%)**	**Limits**		
C9	120	70-130		09/18/2015 19:49

Analyst(s): TK Analytical Comments: e4

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
MW-7	1509602-003B	Water	09/15/2015 07:55	GC2A	110294

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	ND	50	1	09/17/2015 04:15
Surrogates	**REC (%)**	**Limits**		
C9	107	70-130		09/17/2015 04:15

Analyst(s): HD

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
MW-3A	1509602-004B	Water	09/15/2015 08:30	GC11A	110294

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	**1700**	50	1	09/18/2015 20:58
Surrogates	**REC (%)**	**Limits**		
C9	87	70-130		09/18/2015 20:58

Analyst(s): TK Analytical Comments: e4

McCampbell Analytical, Inc.
"When Quality Counts"

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Quality Control Report

Client:	GHD	**WorkOrder:**	1509602
Date Prepared:	9/21/15	**BatchID:**	110492
Date Analyzed:	9/21/15	**Extraction Method:**	SW5030B
Instrument:	GC3	**Analytical Method:**	SW8021B/8015Bm
Matrix:	Water	**Unit:**	µg/L
Project:	F1-150915; 800 Franklin St, Oakland	**Sample ID:**	MB/LCS-110492 1509740-001AMS/MSD

QC Summary Report for SW8021B/8015Bm

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
TPH(btex)	ND	61.2	40	60	-	102	70-130
MTBE	ND	12.2	5.0	10	-	122	70-130
Benzene	ND	10.5	0.50	10	-	105	70-130
Toluene	ND	11.2	0.50	10	-	111	70-130
Ethylbenzene	ND	12.1	0.50	10	-	121	70-130
Xylenes	ND	35.1	0.50	30	-	117	70-130
Surrogate Recovery							
aaa-TFT	9.10	8.25		10	91	83	70-130

Analyte	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
TPH(btex)	NR	NR		ND<400	NR	NR	-	NR	
MTBE	NR	NR		ND<50	NR	NR	-	NR	
Benzene	NR	NR		ND<5	NR	NR	-	NR	
Toluene	NR	NR		ND<5	NR	NR	-	NR	
Ethylbenzene	NR	NR		ND<5	NR	NR	-	NR	
Xylenes	NR	NR		ND<5	NR	NR	-	NR	
Surrogate Recovery									
aaa-TFT	NR	NR			NR	NR	-	NR	

McCampbell Analytical, Inc.
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1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Quality Control Report

Client:	GHD	**WorkOrder:**	1509602
Date Prepared:	9/15/15	**BatchID:**	110294
Date Analyzed:	9/17/15	**Extraction Method:**	SW3510C/3630C
Instrument:	GC2A	**Analytical Method:**	SW8015B
Matrix:	Water	**Unit:**	µg/L
Project:	F1-150915; 800 Franklin St, Oakland	**Sample ID:**	MB/LCS-110294

QC Report for SW8015B w/SG Clean-Up

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
TPH-Diesel (C10-C23)	ND	979	50	1000	-	95	59-151
Surrogate Recovery							
C9	698	691		625	112	111	65-122

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Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 1509602 **ClientCode: CETE**

☐ WaterTrax ☐ WriteOn ☑ EDF ☐ Excel ☐ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

Report to:
Bryan Fong
GHD
5900 Hollis St, Suite A
Emeryville, CA 94608
(510) 420-3369 FAX: (510) 420-9170

Email: bfong@ghd.com
cc/3rd Party:
PO:
ProjectNo: F1-150915; 800 Franklin St, Oakland

Bill to:
Accounts Payable
GHD
5900 Hollis St, Ste. A
Emeryville, CA 94608

Requested TAT: **5 days;**

Date Received: **09/16/2015**
Date Printed: **09/23/2015**

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
1509602-001	MW-6	Water	9/15/2015 6:55	☐	A	A	B									
1509602-002	MW-2	Water	9/15/2015 7:25	☐	A		B									
1509602-003	MW-7	Water	9/15/2015 7:55	☐	A		B									
1509602-004	MW-3A	Water	9/15/2015 8:30	☐	A		B									

Test Legend:

1	G-MBTEX_W	2	PREDF REPORT	3	TPH(D)WSG_W	4	
5		6		7		8	
9		10		11		12	

Prepared by: Jena Alfaro

Comments:

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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WORK ORDER SUMMARY

Client Name: GHD
Project: F1-150915; 800 Franklin St, Oakland
Comments:

QC Level: LEVEL 2
Client Contact: Bryan Fong
Contact's Email: bfong@ghd.com

Work Order: 1509602
Date Received: 9/16/2015

☐ WaterTrax ☐ WriteOn ☑ EDF ☐ Excel ☐ Fax ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

Lab ID	Client ID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	De-chlorinated	Collection Date & Time	TAT	Sediment Content	Hold	SubOut
1509602-001A	MW-6	Water	SW8021B/8015Bm (G/MBTEX)	2	VOA w/ HCl	☐	9/15/2015 6:55	5 days	Present	☐	
1509602-001B	MW-6	Water	SW8015B (Diesel w/ S.G. Clean-Up)	2	aVOA	☐	9/15/2015 6:55	5 days	Present	☐	
1509602-002A	MW-2	Water	SW8021B/8015Bm (G/MBTEX)	2	VOA w/ HCl	☐	9/15/2015 7:25	5 days	Present	☐	
1509602-002B	MW-2	Water	SW8015B (Diesel w/ S.G. Clean-Up)	2	aVOA	☐	9/15/2015 7:25	5 days	Present	☐	
1509602-003A	MW-7	Water	SW8021B/8015Bm (G/MBTEX)	2	VOA w/ HCl	☐	9/15/2015 7:55	5 days	Present	☐	
1509602-003B	MW-7	Water	SW8015B (Diesel w/ S.G. Clean-Up)	2	aVOA	☐	9/15/2015 7:55	5 days	Present	☐	
1509602-004A	MW-3A	Water	SW8021B/8015Bm (G/MBTEX)	2	VOA w/ HCl	☐	9/15/2015 8:30	5 days	Present	☐	
1509602-004B	MW-3A	Water	SW8015B (Diesel w/ S.G. Clean-Up)	2	aVOA	☐	9/15/2015 8:30	5 days	Present	☐	

NOTES: - STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.

Confluence Environmental, Inc.
3308 El Camino Ave, Suite 300 #148
Sacramento, CA 95821
916-760-7641 - main
916-473-8617 - fax
www.confluence-env.com

Chain of Custody

1509602

Project Name: 800 Franklin St, Oakland

Job Number: F1-150915

TAT: (STANDARD) 5 DAY 2 DAY 24 HOUR OTHER:

Lab: McCampbell	Site Address: 800 Franklin St, Oakland	Confluence PM: Jason Brown
Address: 1534 Willow Pass Rd, Pittsburg, CA 94565	California Global ID No.: T0600100050	Phone / Fax: 916-760-7641 / 916-473-8617
Contact:	Include EDF w/ Report: (Yes) No	Confluence Log Code: **CESC**
Phone/ Fax: 925-252-9262	Consultant / PM: CRA / Bryan Fong	Report to: Bryan Fong & Tarah Kirnan
	Phone / Fax: 510-385-0509	Invoice to: CRA

	Sample ID	Time	Date	Matrix: Soil/Solid	Matrix: Water/Liquid	Matrix: Air	Laboratory No.	No. of Containers	Preservative: Unpreserved	Preservative: H_2SO_4	Preservative: HNO_3	Preservative: HCl	Preservative: NaOH		Requested Analysis: TPH-G (8015)	Requested Analysis: BTEX, MTBE* (8021)	Requested Analysis: TPH-D w/ sgc							Notes and Comments
	MW-6	0655	9/15/15		X			4	2			2			X	X	X							
	MW-2	0725	"		X			4	2			2			X	X	X							
	MW-7	0755	"		X			4	2			2			X	X	X							
	MW-3A	0830	"		X			4	2			2			X	X	X							

	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Name: A. Feeney						
Sampler's Company: Confluence Environmental		9/16/15	1340		9/16/15	1340
Shipment Date:		9/16/15	1555		9/16/15	1555
Shipment Method:						

Special Instructions: *Confirm MTBE by 8260

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Sample Receipt Checklist

Client Name: **GHD**
Date and Time Received: **9/16/2015 5:52:57 PM**

Project Name: **F1-150915; 800 Franklin St, Oakland**
LogIn Reviewed by: Jena Alfaro

WorkOrder №: **1509602** Matrix: Water
Carrier: Daniel (MAI Courier)

Chain of Custody (COC) Information

Chain of custody present?	Yes ☑	No ☐
Chain of custody signed when relinquished and received?	Yes ☑	No ☐
Chain of custody agrees with sample labels?	Yes ☑	No ☐
Sample IDs noted by Client on COC?	Yes ☑	No ☐
Date and Time of collection noted by Client on COC?	Yes ☑	No ☐
Sampler's name noted on COC?	Yes ☑	No ☐

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	NA ☑
Shipping container/cooler in good condition?	Yes ☑	No ☐	
Samples in proper containers/bottles?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes ☑	No ☐	
Sample/Temp Blank temperature	Temp: 3.2°C		NA ☐
Water - VOA vials have zero headspace / no bubbles?	Yes ☑	No ☐	NA ☐
Sample labels checked for correct preservation?	Yes ☑	No ☐	
pH acceptable upon receipt (Metal: <2; 522: <4; 218.7: >8)?	Yes ☐	No ☐	NA ☑
Samples Received on Ice?	Yes ☑	No ☐	

(Ice Type: WET ICE)

UCMR3 Samples:

Total Chlorine tested and acceptable upon receipt for EPA 522?	Yes ☐	No ☐	NA ☑
Free Chlorine tested and acceptable upon receipt for EPA 218.7, 300.1, 537, 539?	Yes ☐	No ☐	NA ☑

** NOTE: If the "No" box is checked, see comments below.*

Comments:

Appendix C
Field Data Sheets

Confluence Environmental, Inc.
3308 El Camino Ave, Suite 300 #148
Sacramento, CA 95821
916-760-7641 - main
916-473-8617 - fax
www.confluence-env.com

Chain of Custody

Project Name: 800 Franklin St, Oakland

Job Number: F1-150915

TAT: (STANDARD) 5 DAY 2 DAY 24 HOUR OTHER:

Lab: McCampbell	Site Address: 800 Franklin St, Oakland	Confluence PM: Jason Brown
Address: 1534 Willow Pass Rd, Pittsburg, CA 94565	California Global ID No.: T0600100050	Phone / Fax: 916-760-7641 / 916-473-8617
Contact:	Include EDF w/ Report: (Yes) No	Confluence Log Code: CESC
Phone/ Fax: 925-252-9262	Consultant / PM: CRA / Bryan Fong	Report to: Bryan Fong & Tarah Kirnan
	Phone / Fax: 510-385-0509	Invoice to: CRA

Sample ID	Time	Date	Matrix: Soil/Solid	Matrix: Water/Liquid	Matrix: Air	Laboratory No.	No. of Containers	Preservative: Unpreserved	Preservative: H_2SO_4	Preservative: HNO_3	Preservative: HCl	Preservative: NaOH	Requested Analysis: TPH-G (8015)	Requested Analysis: BTEX, MTBE* (8021)	Requested Analysis: TPH-D w/ sgc	Notes and Comments
MW-6	0655	9/15/15		X			4	2			2		X	X	X	
MW-2	0725	"		X			4	2			2		X	X	X	
MW-7	0755	"		X			4	2			2		X	X	X	
MW-3A	0830	"		X			4	2			2		X	X	X	

Sampler's Name: A. Feeney	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Company: Confluence Environmental		9/16/15	1340		9/16/15	1340
Shipment Date:						
Shipment Method:						

Special Instructions: *Confirm MTBE by 8260

Meter Calibration Log

EQUIPMENT MAKE	EQUIPMENT MODEL	SERIAL NUMBER	DATE	TIME	TEMP OF CALIBRATION STANDARD (°C or °F)	pH STANDARD 4	pH STANDARD 7	pH STANDARD 10	SPECIFIC CONDUCTANCE 1413 µS/cm	ORP See below mV	DISSOLVED OXYGEN 100 mg/L or %
YSI	Pro Plus Flowcell	11B100244	9/15/15	0615	17.2	4.0	7.0	10.0	1413	240.6	100

Confluence Environmental, Inc.

ORP Values (degrees in C then value): 5:257.0 10:250.5 15:244.0 20:237.5 25:231.0 30:224.5 35:218.0 40:211.5

Well Maintenance Inspection Form

Client: CRA Site: Chiu Property Date: 9/15/15

Job #: FC-0509.15 Technician: A. Feeney Page 1 of 1

Inspection Point	Well Inspected - No Corrective Action Required	Entry Indicates Deficiency: Cap non-functional	Lock non-functional	Lock missing	Bolts missing (# missing / # total tabs)	Tabs stripped (# stripped / # total tabs.)	Tabs broken (# broken / # of total tabs)	Annular seal incomplete	Apron damaged	Rim / Lid broken	Trip Hazard	Below Grade	Other (explain in notes)	Well Not Inspected (explain in notes)	Notes (Note any repairs made while on site)
MW-1	X														
MW-2	X														
MW-3A	X														
MW-4	X												X		water in box
MW-5				X											
MW-6	X														
MW-7				X											

Notes:

Repair codes: **rt**=retap/ bolts added or replaced **as**=annular seal repair,

Confluence Environmental, Inc 3308 El Camino Ave, Suite 300 #148, Sacramento CA, 95821, 916-760-7641

Water Level Measurements

Job Number: FL-50915 Date: 9/15/15 Client: CRA

Site: Chiu property

Well I.D.	Time	Dia	Depth to NAPL	Thickness of NAPL	Depth to water (DTW)	Total Depth (measured)	Total Depth (historical)	Ref Point TOC/TOB		
MW-1	1210	2			23.19	33.35	33.32	TOC		
MW-2	0605	2			23.09	33.89	33.84			
MW-3A	0805	4			23.58	33.98	34.00			
MW-4	0602	2			22.12	33.78	33.94			
MW-5	0615	2			23.62	34.60	34.60			
MW-6	0610	2			23.68	32.65	32.74			
MW-7	0730	2			23.81	35.05	35.05			

Purging And Sampling Data Sheet

Job#: F1-150415	**Sampler:** A Feeney	**Client:** CRA
Well ID: MW-2	**Date:** 4/15/15	**Site:** Chiu Property, Oakland
Well diam: 1/4" 1" (2") 3" 4" 6" Other:	**DTW:** 23.09	**Total Depth:** 33.89
Purge equip: ES - diam: Bladder (Peri) Waterra Positive Air Displacement Ext. System		
disp bailer teflon bailer other:	**Tubing:** OD: New (Dedicated) NA	
Purge method: 3-5 Case Volume (Micro/Low-Flow) Extraction Other:		
Pump depth/ intake: 28.5	**Multipliers:** 1"= 0.04 2"= 0.16 3"= 0.37 4"= 0.65 5"=1.02 6"= 1.47 Radius² X 0.163	
(TD - DTW X Multiplier = 1 Volume	80% Recovery (TD - DTW X 0.20 + DTW)	

1 Volume = _____ X _____ = _____ (Total Purge) 80%=_____

Time	Temp (°C / °F)	pH	Cond (mS / µS)	Turbidity (NTU)	Purge Rate (gal or mL/ min)	Volume Removed (gal / L)	DO (mg/l)	ORP (mv)	DTW	Notes
0707	20.6	6.51	1553	15	200	600mL	1.20	-53.1	23.18	odor
0710	20.3	6.53	1552	10		1.2L	1.22	-76.4	23.22	
0713	20.6	6.54	1553	9		1.8L	1.62	-86.8	23.22	
0716	20.5	6.55	1553	8		2.4L	1.81	-95.4	23.22	
0719	20.5	6.55	1553	8		3L	1.88	-99.5	23.22	
0722	20.5	6.55	1553	7		3.6L	1.85	-97.6	23.22	

Did well dewater? YES (NO)	Total volume removed: 3.6 (gal / (L))	
Sample method: Disp Bailer (Ded. Tubing) New Tubing Ext. Port Other:		
Sample date: 4/15/15	Sample time: 0725	DTW at sample: 23.22
Sample ID: MW-2	Lab: McCampbell	Number of bottles: 4
Analysis: TPH-G, BTEX, MTBE, TPH-D		
Equipment blank ID @	Field blank ID @	
Duplicate ID:	Pre-purge DO:	Post purge DO:
$Fe2^{+}$:	Pre-purge ORP:	Post purge ORP:
NAPL depth:	Volume of NAPL:	Volume removed: ml

Purging And Sampling Data Sheet

Job#: F1-150415	**Sampler:** A Feeney	**Client:** CRA
Well ID: MW-3A	**Date:** 4/15/15	**Site:** Chiu Property, Oakland
Well diam: 1/4" 1" 2" 3" 4" 6" Other:		**DTW:** 23.58 **Total Depth:** 33.98
Purge equip: ES - diam: Bladder (Peri) Waterra Positive Air Displacement Ext. System		
disp bailer teflon bailer other:	**Tubing:** OD: New (Dedicated) NA	
Purge method: 3-5 Case Volume (Micro/Low-Flow) Extraction Other:		
Pump depth/ intake: 28.81	**Multipliers:** 1"= 0.04 2"= 0.16 3"= 0.37 4"= 0.65 5"=1.02 6"= 1.47 Radius² X 0.163	
(TD - DTW X Multiplier = 1 Volume	80% Recovery (TD - DTW X 0.20 + DTW)	

1 Volume = _____ X _____ = _____ (Total Purge) 80%= _____

Time	Temp (°C / °F)	pH	Cond (mS / µS)	Turbidity (NTU)	Purge Rate (gal or mL / min)	Volume Removed (gal / L)	DO (mg/l)	ORP (mv)	DTW	Notes
0813	19.4	6.39	1057	3.27	200	600mL	1.46	-60.9	23.69	odor
0816	19.6	6.38	1063	3.15	|	1.2 L	1.69	-80.9	23.70	|
0819	19.6	6.39	1063	2.70	|	1.8 L	1.88	-89.0	23.70	|
0822	19.6	6.38	1066	2.79	|	2.4 L	1.93	-92.3	23.70	|
0825	19.8	6.38	1068	2.75	|	3 L	1.94	-94.1	23.70	

Did well dewater? YES (NO)	Total volume removed: 3 (gal / L)		
Sample method: Disp Bailer (Ded. Tubing) New Tubing Ext. Port Other:			
Sample date: 4/15/15	Sample time: 0830	DTW at sample: 23.70	
Sample ID: MW-3A	Lab: McCampbell	Number of bottles: 4	
Analysis: TPH-G, BTEX, MTBE, TPH-D			
Equipment blank ID @	Field blank ID @		
Duplicate ID:	Pre-purge DO:	Post purge DO:	
$Fe2^+$:	Pre-purge ORP:	Post purge ORP:	
NAPL depth:	Volume of NAPL:	Volume removed: ml	

Purging And Sampling Data Sheet

Job#: F1-150415	**Sampler:** A Feeney	**Client:** CRA
Well ID: MW-6	**Date:** 4/15/15	**Site:** Chiu Property, Oakland
Well diam: 1/4" 1" (2") 3" 4" 6" Other:		**DTW:** 23.68 **Total Depth:** 32.65
Purge equip: ES - diam: Bladder (Peri) Waterra Positive Air Displacement Ext. System		
disp bailer teflon bailer other:	**Tubing:** OD: New (Dedicated) NA	
Purge method: 3-5 Case Volume (Micro/Low-Flow) Extraction Other:		
Pump depth/ intake: 28'	**Multipliers:** 1"= 0.04 2"= 0.16 3"= 0.37 4"= 0.65 5"=1.02 6"= 1.47 Radius² X 0.163	
(TD - DTW X Multiplier = 1 Volume	80% Recovery (TD - DTW X 0.20 + DTW)	

1 Volume = _____ X _____ = _____ (Total Purge) 80%= _____

Time	Temp (°C / °F)	pH	Cond (mS / µS)	Turbidity (NTU)	Purge Rate (gal or mL / min)	Volume Removed (gal / L)	DO (mg/l)	ORP (mv)	DTW	Notes
0640	20.6	6.25	1293	6	200	600 mL	0.68	3.4	23.90	odor
0643	20.8	6.28	1294	5		1.2L	0.81	-8.2	23.91	
0646	20.8	6.28	1296	4		1.8L	0.89	-19.9	23.91	
0649	20.8	6.28	1297	4		2.4L	0.86	-20.6	23.91	
0652	20.9	6.29	1299	3.8		3L	0.87	-21.9	23.91	

Did well dewater? YES (NO)	Total volume removed: 3 (gal / L)	
Sample method: Disp Bailer (Ded. Tubing) New Tubing Ext. Port Other:		
Sample date: 4/15/15	Sample time: 0655	DTW at sample:
Sample ID: MW-6	Lab: McCampbell	Number of bottles: 4
Analysis: TPH-G, BTEX, MTBE, TPH-D		
Equipment blank ID @	Field blank ID @	
Duplicate ID:	Pre-purge DO:	Post purge DO:
$Fe2^+$:	Pre-purge ORP:	Post purge ORP:
NAPL depth:	Volume of NAPL:	Volume removed: ml

Purging And Sampling Data Sheet

Job#: F1-150415	**Sampler:** A Feeney	**Client:** CRA
Well ID: MW-7	**Date:** 4/15/15	**Site:** Chiu Property, Oakland
Well diam: 1/4" 1" (2") 3" 4" 6" Other:	**DTW:** 23.81	**Total Depth:** 35.05
Purge equip: ES - diam: Bladder (Peri) Waterra Positive Air Displacement Ext. System		
disp bailer teflon bailer other:	**Tubing:** OD: New Dedicated NA	
Purge method: 3-5 Case Volume (Micro/Low-Flow) Extraction Other:		
Pump depth/ intake: 29.5	**Multipliers:** 1"= 0.04 2"= 0.16 3"= 0.37 4"= 0.65 5"=1.02 6"= 1.47 Radius² X 0.163	
(TD - DTW X Multiplier = 1 Volume	80% Recovery (TD - DTW X 0.20 + DTW)	

1 Volume = _____ X _____ = _____ (Total Purge) 80%=_____

Time	Temp (°C / °F)	pH	Cond (mS / µS)	Turbidity (NTU)	Purge Rate (gal or mL / min)	Volume Removed (gal / L)	DO (mg/l)	ORP (mv)	DTW	Notes
0739	20.6	6.59	994	4.9	200	600mL	1.04	-11.3	23.84	
0742	20.7	6.58	994	4.85		1.2L	0.99	-8.1	23.85	
0745	20.7	6.56	985	3.82		1.8L	1.09	-5.4	23.85	
0748	20.6	6.55	988	3.5		2.4L	1.23	-3.6	23.85	
0751	20.7	6.56	989	3.7		3L	1.25	-3.6	23.85	
0754	20.7	6.56	992	3.5		3.6L	1.29	-3.4	23.85	

Did well dewater? YES (NO)		Total volume removed: 3.6 (gal / (L))	
Sample method: Disp Bailer (Ded. Tubing) New Tubing Ext. Port Other:			
Sample date: 4/15/15	Sample time: 0755	DTW at sample: 23.85	
Sample ID: MW-7	Lab: McCampbell	Number of bottles: 4	
Analysis: TPH-G, BTEX, MTBE, TPH-D			
Equipment blank ID @		Field blank ID @	
Duplicate ID:		Pre-purge DO:	Post purge DO:
$Fe2^{+}$:		Pre-purge ORP:	Post purge ORP:
NAPL depth:	Volume of NAPL:	Volume removed:	ml