Brian A. Waite
Project Manager
Marketing Business Unit

Chevron Environmental Management Company
6101 Bollinger Canyon Road
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Tel (925) 790-6486
BWaite@chevron.com

December 20, 2012

Mr. Mark Detterman
Alameda County Health Agency
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502

RECEIVED
By Alameda County Environmental Health at 10:59 am, Feb 04, 2013

RE: First Semi-Annual 2012 Groundwater Monitoring Report
Former Chevron Asphalt Plant and Bulk Terminal #20-6265
1520 Powell Street, Emeryville, California
Case Number: *RO0002535*

Dear Mr. Detterman,

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

If you have any questions or need additional information, please contact me at (925) 790-6486.

Sincerely,

Brian A. Waite

Digitally signed by Brian A. Waite
DN: cn=Brian A. Waite, o=Chevron Environmental Management Company, ou=Marketing Business Unit, email=BWaite@chevron.com, c=US
Date: 2012.12.12 15:16:40 -08'00'

Brian A. Waite, P.G.
Chevron Environmental Management Company – Project Manager

Attachment
First Semi-Annual 2012 Groundwater Monitoring Report

ARCADIS
111 SW Columbia Street
Suite 670
Portland
Oregon 97201
Tel 503.220.8201
Fax 503.220.8209
www.arcadis-us.com

ENVIRONMENT

Mr. Mark Detterman
Alameda County Environmental Health Department (ACEHD)
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

Subject:
First Semi-Annual 2012 Groundwater Monitoring Report
Former Chevron Asphalt Plant and Bulk Terminal #206265
Fuel Leak Case No. RO0002535
1520 Powell Street,
Emeryville, CA 94608

Date:
December 20, 2012

Contact:
Melissa Blanchette

Phone:
503.220.8201 ext. 1113

Email:
Melissa.Blanchette@arcadis-us.com

Our ref:
B0046257.0004

Dear Mr. Detterman:

This First Semi-Annual 2012 Groundwater Monitoring Report has been prepared by ARCADIS for Former Chevron Asphalt Plant and Bulk Terminal #206265, (site) located at 1520 Powell Street located in Emeryville, California (Figure 1). A site vicinity map and site plan is shown on Figure 2 and 3, respectively.

An enhanced bioremediation pilot study was conducted by City of Emeryville's consultant Erler and Kalinowski, Inc. (EKI) in December 2011 by injecting emulsified vegetable oil ("EVO") and carbonate buffer into the groundwater to enhance reductive dechlorination in the vicinity of the site. The pilot study area is Powell Street between Horton Street and the railroad (Figure 2).

Groundwater Monitoring and Sampling

Semi-annual groundwater monitoring and sampling was conducted on June 26 and June 27, 2012 by ARCADIS. The groundwater monitoring program consists of water level elevation monitoring, sample collection, and chemical analysis of samples as described below. During the first semi-annual monitoring and sampling event, nine of ten monitoring wells were monitored for water-level-elevation. An access agreement for monitoring and sampling MWX-2 was not obtained in time for this sampling event. Due to the access agreement issue at MWX-2 and because MW-17 was inaccessible during the sampling activities due to a parked car; eight of ten wells were sampled.

Field Procedures

Water-level measurements were collected on June 26, 2012 from nine of ten monitoring wells. Water-level measurements from this event were used to calculate the water-table elevation at each well and develop a potentiometric surface map for the site. These data allowed for subsequent estimation of groundwater flow direction.

Depth to water was measured using a static water-level indicator from the top of the well casing and recorded in the field logbook. Depth-to-water data is presented in Table 1. The static water-level indicator was decontaminated with an Alconox and tap-water scrub and rinsed between each measurement.

Between June 26 and June 27, 2012, eight monitoring wells were sampled. As previously stated, MW-17 was not accessible due to a car being parked over the well and access was not obtained for MWX-2. Groundwater samples were collected in accordance with ARCADIS *Standard Operating Procedure (SOP) for Low-Flow Groundwater Purging and Sampling*.

A purging and sampling technique using a peristaltic pump with disposable polyethylene tubing was used for groundwater sample collection. Field parameters were measured after each well volume using the following series of activities and sampling protocols:

- During the purge cycle, a groundwater water-quality meter was used to measure the following field parameters: specific conductance, ORP, DO, pH, turbidity and temperature

- Monitoring wells were purged until the field parameters noted above stabilized for each well. Field parameters were recorded on a well volume basis.

- After the field parameters stabilized as specified, groundwater samples were collected for analysis with disposable tubing in the appropriate laboratory-supplied sample containers. Pre-preserved laboratory-supplied containers were used for sample collection for volatiles.

Groundwater sampling field data sheets are presented in Attachment A.

Laboratory Analysis

Subsequent to collection, samples were packed on ice, cooled to approximately 4°C, and shipped under appropriate chain-of-custody protocols to Lancaster Laboratories of Lancaster, Pennsylvania, a California-certified laboratory, for analysis. Analyses included the following parameters:

- total petroleum hydrocarbons as diesel [TPH-D] by United States Environmental Protection Agency (USEPA) Method 8015B
- total petroleum hydrocarbons as gasoline [TPH-G] by USEPA Method 8015B
- volatile organic compounds (VOCs) including benzene, toluene, ethylbenzene and total xylenes (BTEX), methyl tert butyl ether (MTBE), and chlorinated volatile organic compounds (CVOCs) by USEPA Method 8060B

In addition, based on the settlement agreement between CEMC and City of Emeryville, CEMC agreed to analyze the groundwater samples for additional analyses to assist EKI in the bioremediation effort on the adjacent 1525 and 1535 Powell Street sites (collaboratively known as Site B; see Figure 2). The additional analyses included the following:

- methane, ethane and ethene by USEPA Method RSK-175
- iron and manganese by USEPA Method 200.7
- sulfide by USEPA Method SM4500S2-D
- bicarbonate (includes Alkalinity) by USEPA Method SM2320B
- total organic carbon (TOC) by USEPA Method SM5310C
- sulfate and nitrate nitrogen by USEPA Method 300.0

Quality assurance/quality control samples inclusive of trip and duplicate blanks were also submitted for laboratory analysis. A laboratory-supplied trip blank accompanied each sample delivery group.

Investigation Derived Waste

Purge water and equipment decontamination water generated during the sampling event were containerized for off-site disposal. Investigation-derived waste was transported by IWM, Inc. to the Altamont Landfill Resource and Recovery Facility operated by Waste Management, Inc. in Livermore, California.

Results

Groundwater Flow

Depth-to-water measurements were subtracted from surveyed top of casing elevations referenced to North American Vertical Datum of 1988 (NAVD 88) to calculate the groundwater elevation at each monitoring well. Depth-to-water measurements and calculated groundwater elevations are presented in Table 1. Calculated groundwater elevation data was used to construct a groundwater elevation contour map (Figure 4).

Depths to groundwater at the site ranged from 4.32 (MWX-10A) and 6.09 (MWX-6) feet below top of casing. The groundwater flow direction was to the west-southwest at an approximate horizontal hydraulic gradient of 0.01 foot per foot (ft/ft), as illustrated on the groundwater elevation contour map (Figure 4).

Groundwater Chemistry

Screening Levels for Contaminants of Concern

Concentrations of contaminants of concern (COCs) in groundwater were compared with the maximum contaminant levels (MCLs; California Department of Public Health 2012) and environmental screening levels (ESLs) obtained from Table F-1a where groundwater is a current or potential drinking water resource (Regional Water Quality Control Board – San Francisco Bay [SFRWQCB] 2008). Although shallow groundwater at the site is not known to be a drinking water source, these numbers were used to be conservative. The ESLs and MCLs are for comparison purposes only; an exceedance is not necessary an indication of risk.

Groundwater Results

The analytical results for groundwater samples collected from the monitoring wells during the June 26 and 27, 2012 sampling events indicate that petroleum hydrocarbons and CVOCs are present in groundwater at the site.

Method blank and laboratory control sample results were within acceptable limits.

Analytical results for the semi-annual groundwater monitoring event are presented in Tables 2 and Figures 5 and 6. Additional analytical results for monitoring of bioremediation effort are presented in Table 3. Historical groundwater analytical results are included in Attachments B and C. Analytical laboratory reports are included in Attachment D.

Maximum and minimum concentrations of analyzed constituents detected in groundwater samples collected during the first half of 2012 are presented in the table below:

Constituent	Frequency of Detection Above the MDL[1]	Range of Detected Concentrations[2] in µg/L[3]	San Francisco Bay RWQCB ESL[4] in µg/L[3]	California MCL[5] in µg/L[3]	Frequency of Exceedances	Concentration of Exceedances in µg/L[2](Well ID)
TPH-G	2/8	ND-120	100	NA[6]	1/8	120 (MW-19A)
TPH-D	1/8	ND-130	100	NA[6]	1/8	130 (MWX-9)
Benzene	1/8	ND-0.6	1	1	0/8	NA
Tetrachloroethene (PCE)	2/8	ND-8	5	5	1/8	8 (MW-18)
Trichloroethene (TCE)	5/8	ND-27	5	5	2/8	16 (MWX-9); 27 (MW-18)
Trans-1,2-Dichloroethene (t-1,2-DCE)	5/8	ND-10	10	10	0/8	NA
Cis-1,2-Dichloroethene (c-1,2-DCE)	8/8	1-130	6	6	5/8	7 (MW-18); 23 (MWX-8 and MWX-9); 73 (MW-19A); 130 (MWX-3)
1,1,1-Trichloroethane (1,1,1-TCA)	1/8	ND-0.9	62	200	0/8	NA
1,1-Dichloroethane (1,1-DCA)	1/8	ND-3	5	5	0/8	NA

Constituent	Frequency of Detection Above the MDL[1]	Range of Detected Concentrations[2] in µg/L[3]	San Francisco Bay RWQCB ESL[4] in µg/L[3]	California MCL[5] in µg/L[3]	Frequency of Exceedances	Concentration of Exceedances in µg/L[2](Well ID)
Vinyl Chloride[7]	3/8	ND-6	0.5	0.5	3/8	3 (MWX-8 and MW-19A); 6 (MWX-3)
Chloroform	1/8	ND-3	70	70	0/8	NA

Notes:
1. MDL = method detection limit.
2. ND = not detected above the method detection limit.
3. µg/L = microgram per liter, equivalent to part per billion (ppb).
4. ESL = environmental screening level.
5. MCL = maximum contaminant level.
6. NA = not available
7. It should be noted, the reporting limit for vinyl chloride is <1 µg/L which is above the MCL and ESL of 0.5 µg/L, therefore, it is unknown if the locations with non-detectable concentrations fell below MCL or ESL. As previously stated, the comparison to the MCL and ESL is for comparison purposes only and is not indicative of risk.

Summary and Conclusions

The calculated groundwater flow below the site was to the west-southwest at an approximate horizontal hydraulic gradient of 0.01 ft/ft.

TPH-G, TPH-D, PCE, TCE, c-1,2-DCE and vinyl chloride were above their respective ESLs and/or MCLs in one or more groundwater samples collected this event. The rest of the analyzed constituents are below their respective ESLs and MCLs.

Concentrations of constituents in groundwater have decreased compared with data collected during previous groundwater sampling conducted at the site. The carbon amendments conducted in Powell Street by EKI in December 2011 have successfully created a strong reductive zone, favorable for the reductive dechlorination of the CVOCs, thus a decrease of the CVOCs compared with the previous sampling event (2nd semiannual 2011) was observed.

A Conceptual Site Model and Closure Request will be submitted to the ACEHD under separate cover. The next semi-annual groundwater sampling event (second semi-annual 2012 monitoring and sampling event) is scheduled for December 2012. If you have any comments or questions, please contact Melissa Blanchette by telephone at 503.220.8201 ext. 1113 or by email at Melissa.Blanchette@arcadis-us.com.

Sincerely,

ARCADIS

Melissa Blanchette, P.G.
Certified Project Manager I

David Lay, P.G.
Vice President

Enclosures:

Table 1	Depth-to-Water and Groundwater Elevation Data
Table 2	Current Groundwater Analytical Results
Table 3	Current Analytical Results for Monitored Natural Attenuation Parameters
Figure 1	Site Location Map
Figure 2	Site Vicinity Map
Figure 3	Site Plan
Figure 4	Groundwater Elevation Contour Map June 26, 2012
Figure 5	Detected Fuel Related Hydrocarbon Compounds in Groundwater
Figure 6	Detected Chlorinated Volatile Organic Compounds in Groundwater
Attachment A	Groundwater Sampling Sheets
Attachment B	Historical Groundwater Analytical Results
Attachment C	Historical Analytical Results for Monitored Natural Attenuation Parameters
Attachment D	Laboratory Analytical Report and Chain-of-Custody Documentation

Copies:
Mr. Brian Waite, Chevron Environmental Management Company (Electronic Copy)
Regional Water Quality Control Board – Region 2 (Geotracker)

References:

California Department of Public Health. 2012. *Chemicals and Contaminants in Drinking Water*. Title 22 of the California Code of Regulations.

Regional Water Quality Control Board – San Francisco Bay Region. 2008. *Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater*. November 2007, Revised May 2008.

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Tables

TABLE 1
DEPTH-TO-WATER AND GROUNDWATER ELEVATION DATA
Former Chevron Asphalt Plant and Bulk Terminal #206265
1520 Powell Street
Emeryville, California

Well ID	Date Gauged	Top of Casing Elevation (feet amsl)	Depth to Groundwater (feet btoc)	Groundwater Elevation (feet amsl)	Notes
MW-17	06/26/12	13.52	5.03	8.49	
MW-18	06/26/12	12.95	4.59	8.36	
MW-19A	06/26/12	11.79	4.61	7.18	
MWX-10A	06/26/12	12.78	4.32	8.46	
MWX-11A	06/26/12	14.18	5.55	8.63	
MWX-2	--	12.10	--	--	Not Accessible
MWX-3	06/26/12	13.45	5.01	8.44	
MWX-6	06/26/12	11.41	6.09	5.32	
MWX-8	06/26/12	13.12	4.80	8.32	
MWX-9	06/26/12	11.46	6.06	5.40	

Notes:
amsl = above mean sea level
btoc = below top of casing
-- = not available
Top of casing and groundwater elevations are referenced to the North American Vertical Datum of 1988 (NAVD 88).

TABLE 2
GROUNDWATER ANALYTICAL RESULTS
Former Chevron Asphalt Plant and Bulk Terminal #206265
1520 Powell Street
Emeryville, California

WELL ID/	Date	TPH-G (µg/L)	TPH-D (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-Benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	PCE (µg/L)	TCE (µg/L)	1,1-DCE (µg/L)	t-1,2-DCE (µg/L)	c-1,2-DCE (µg/L)	1,1,1-TCA (µg/L)	1,1-DCA (µg/L)	VC (µg/L)	CF (µg/L)
ESL (Table F-1a)		**100**	**100**	**1**	**40**	**30**	**20**	**5**	**5**	**5**	**6**	**10**	**6**	**62**	**5**	**0.5**	**70**
MCL		**NA**	**NA**	**1**	**150**	**300**	**1,800**	**13**	**5**	**5**	**6**	**10**	**6**	**200**	**5**	**0.5**	**70**
MWX-2	--	not sampled - not accessible															
MWX-3	06/27/2012	92	<53	0.6	<0.5	<0.5	<0.5	<0.5	<0.8	3	<0.8	10	**130**	<0.8	3	**6**	3
MWX-6	06/27/2012	<50	<49	<0.5	<0.5	<0.5	<0.5	<0.5	<0.8	<1	<0.8	<0.8	1	<0.8	<1	*<1*	<0.8
MWX-8	06/27/2012	<50	<51	<0.5	<0.5	<0.5	<0.5	<0.5	<0.8	<1	<0.8	3	**23**	<0.8	<1	**3**	<0.8
MWX-9	06/27/2012	<50	**130**	<0.5	<0.5	<0.5	<0.5	<0.5	4	**16**	<0.8	0.9	**23**	<0.8	<1	*<1*	<0.8
MWX-10A	06/26/2012	<50	<55	<0.5	<0.5	<0.5	<0.5	<0.5	<0.8	3	<0.8	<0.8	3	<0.8	<1	*<1*	<0.8
MWX-11A	06/26/2011	<50 [<50]	<49 [<49]	<0.5 [<0.5]	<0.5 [<0.5]	<0.5 [<0.5]	<0.5 [<0.5]	<0.5 [<0.5]	<0.8 [<0.8]	5 [5]	<0.8 [<0.8]	0.8 [0.8]	2 [2]	0.8 [0.9]	<1 [<1]	*<1 [<1]*	<0.8 [<0.8]
MW-17	--	not sampled - not accessible															
MW-18	06/27/2012	<50	<49	<0.5	<0.5	<0.5	<0.5	<0.5	**8**	**27**	<0.8	<0.8	**7**	<0.8	<1	*<1*	<0.8
MW-19A	06/27/2012	**120**	<49	<0.5	<0.5	<0.5	<0.5	<0.5	<0.8	<1	<0.8	2	**73**	<0.8	<1	**3**	<0.8

Notes:
Detected concentration exceeding the ESL are in **Bold**.
Laboratory reporting limit exceeding the ESL are in *italics*.
-- = not available
[ ] = duplicate sample results
< = not detected at or above the indicated reporting limit
µg/L = micrograms per liter
ESL = environmental screening level (SFRWQCB 2008)
MCL = maximum contaminant level (CDPH 2012)
TPH-G = Total Petroleum Hydrocarbons as Gasoline
TPH-D =Total Petroleum Hydrocarbons as Diesel
MTBE = Methyl Tertiary Butyl Ether
1,1-DCE = 1,1-Dichloroethene
1,2-DCE = 1,2-Dichloroethene
t-1,2-DCE = trans-1,2-Dichloroethene
c-1,2-DCE = cis-1,2-Dichloroethene
1,1-DCA = 1,1-Dichloroethane
1,1,1-TCA = 1,1,1-Trichloroethane
TCE = Trichloroethene
PCE = Tetrachloroethene
CF = Chloroform
VC = Vinyl Chloride

TABLE 3
ADDITIONAL GROUNDWATER ANALYTICAL RESULTS
Former Chevron Asphalt Plant and Bulk Terminal #206265
1520 Powell Street
Emeryville, California

WELL ID/	Date	Ethane (µg/L)	Ethene (µg/L)	Methane (µg/L)	Nitrate (µg/L)	Sulfate (µg/L)	TOC (µg/L)	Total Alkalinity (µg/L)	Bicarbonate Alkalinity (µg/L)	Sulfide (µg/L)	Iron (µg/L)	Manganese (µg/L)
MWX-2	--	Not sampled - not accessible										
MWX-3	06/27/2012	19	66	2,600	<250	4,800	279,000	1,020,000	1,020,000	<54	35,900	25,300
MWX-6	06/27/2012	<1.0	<1.0	130	<250	28,000	4,800	236,000	236,000	<54	109	1,330
MWX-8	06/27/2012	6.4	55	8,400	<250	3,700	255,000	850,000	850,000	<54	6,050	13,800
MWX-9	06/27/2012	<1.0	<1.0	51	<250	25,500	4,600	233,000	233,000	<54	<33.3	371
MWX-10A	06/26/2012	<1.0	<1.0	26	<250	72,100	8,100	259,000	259,000	<54	<33.3	289
MWX-11A	06/26/2012	<1.0 [<1.0]	<1.0 [<1.0]	<5 [<5]	560 [540]	73,300 [70,200]	14,000 [13,900]	394000 [396000]	394,000 [396,000]	<54 [<54]	<33.3 [<33.3]	2.6 [<5.0]
MW-17	--	Not sampled - not accessible										
MW-18	06/27/2012	<1.0	<1.0	150	3,300	40,900	1,100	164,000	164,000	<54	<33.3	326
MW-19A	06/27/2012	7.5	1.4	15,000	<250	1,700	470,000	1,040,000	1,040,000	<54	11,600	7010

Notes:
-- = not available
[ ] = duplicate sample results
< = not detected at or above the indicated reporting limit
µg/L = micrograms per liter
TOC = total organic carbon

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Figures

REFERENCE: BASE MAP USGS 7.5 MIN. QUAD., OAKLAND WEST, CA., 1993.

2000' 0 2000'

Approximate Scale: 1" = 2000'

FORMER CHEVRON ASPHALT TERMINAL 206265
1520 POWELL STREET
EMERYVILLE, CA

SITE LOCATION MAP

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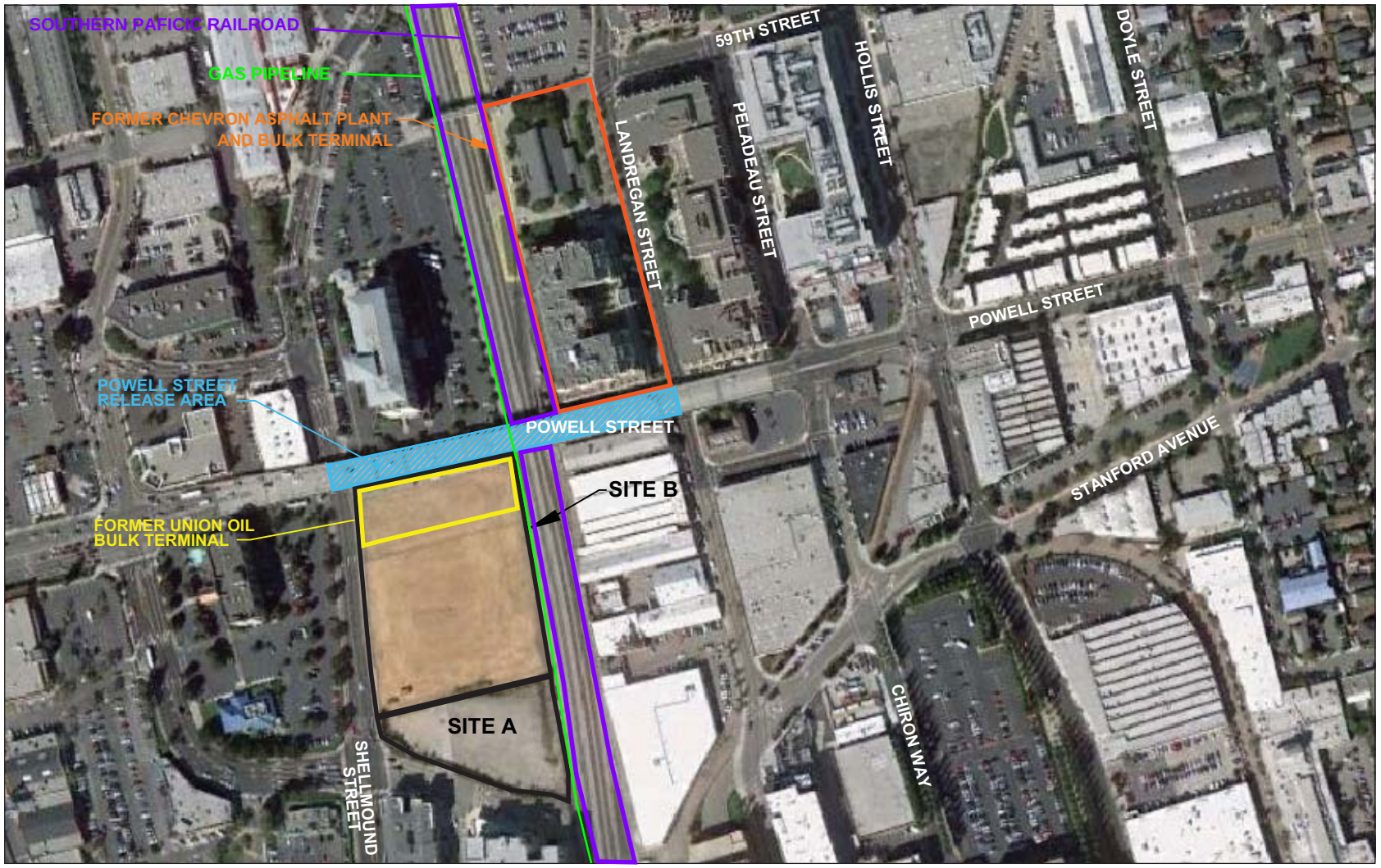
FIGURE
1

10/28/08 SYRACUSE, NY-ENV/141-KLS
B0044664/0001/00002/CDR/44664N01.CDR

CITY: SYRACUSE DIV/GROUP: ENVCAD DB: L. FORAKER LD: PIC: J. VOGELEY PM: J. WAGLER TM: J. WAGLER LYR: ON=*; OFF=*REF*
G:\ENVCAD\SYRACUSE\ACT\B0046257\0002\00001\DWG\SITE\46257G04.dwg LAYOUT: 2SAVED: 8/5/2010 7:45 AM ACADVER: 18.0S (LMS TECH) PAGESETUP: C-LA-PDF-2400-DPI PLOTSTYLETABLE: PLTFULL.CTB PLOTTED: 8/5/2010 7:48 AM BY: FORAKER, LYDIA

XREFS: IMAGES:
46257X01.jpg



0 400' 800'

GRAPHIC SCALE

NOTE:

AERIAL PHOTOGRAPH OBTAINED FROM GOOGLE EARTH ON AUGUST 4, 2010.

FORMER CHEVRON ASPHALT TERMINAL 206265
1520 POWELL STREET
EMERYVILLE, CA

SITE VICINITY MAP

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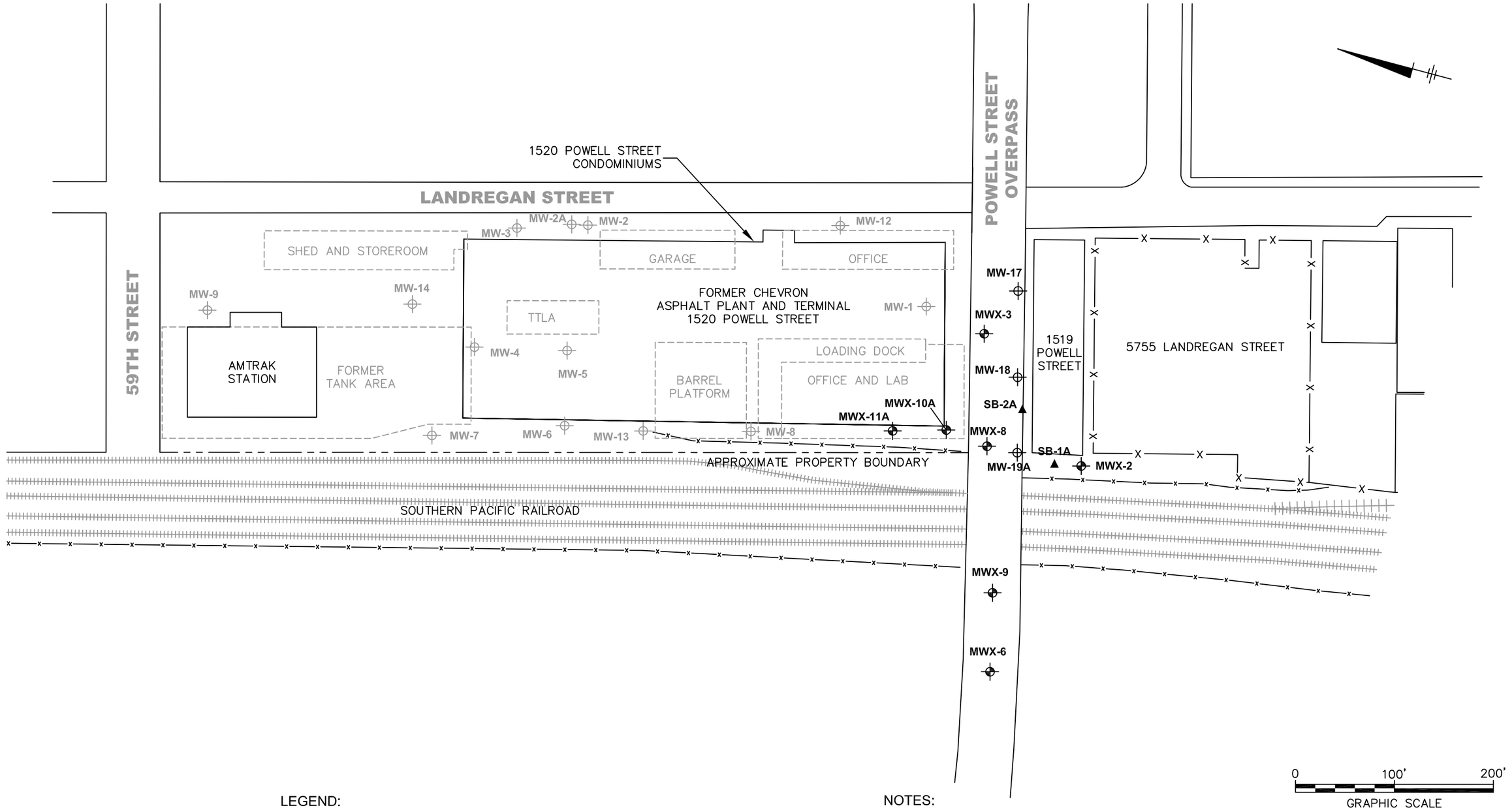
FIGURE
2



LEGEND:

- MONITORING WELL LOCATION (ARCADIS 2009)
- MONITORING WELL LOCATION (WGR 1990)
- SOIL BORING LOCATION
- DESTROYED WELL LOCATION
- HISTORICAL FEATURE

NOTES:

1. BASE MAP MODIFIED FROM A DRAWING BY GETTLER-RYAN TITLED "SITE PLAN", DATED 07/00, AT A SCALE OF 1" = 100'.
2. ALL LOCATIONS ARE APPROXIMATE.
3. HISTORICAL FEATURE INFORMATION BASED ON A FIGURE BY HARDING LAWSON ASSOCIATES ENTITLED "POTENTIOMETRIC SURFACE MAP, UPPERMOST AQUIFER 8/24/88", BASED ON MCKESSON ENVIRONMENTAL SERVICES GROUNDWATER INVESTIGATION.

0 100' 200'

GRAPHIC SCALE

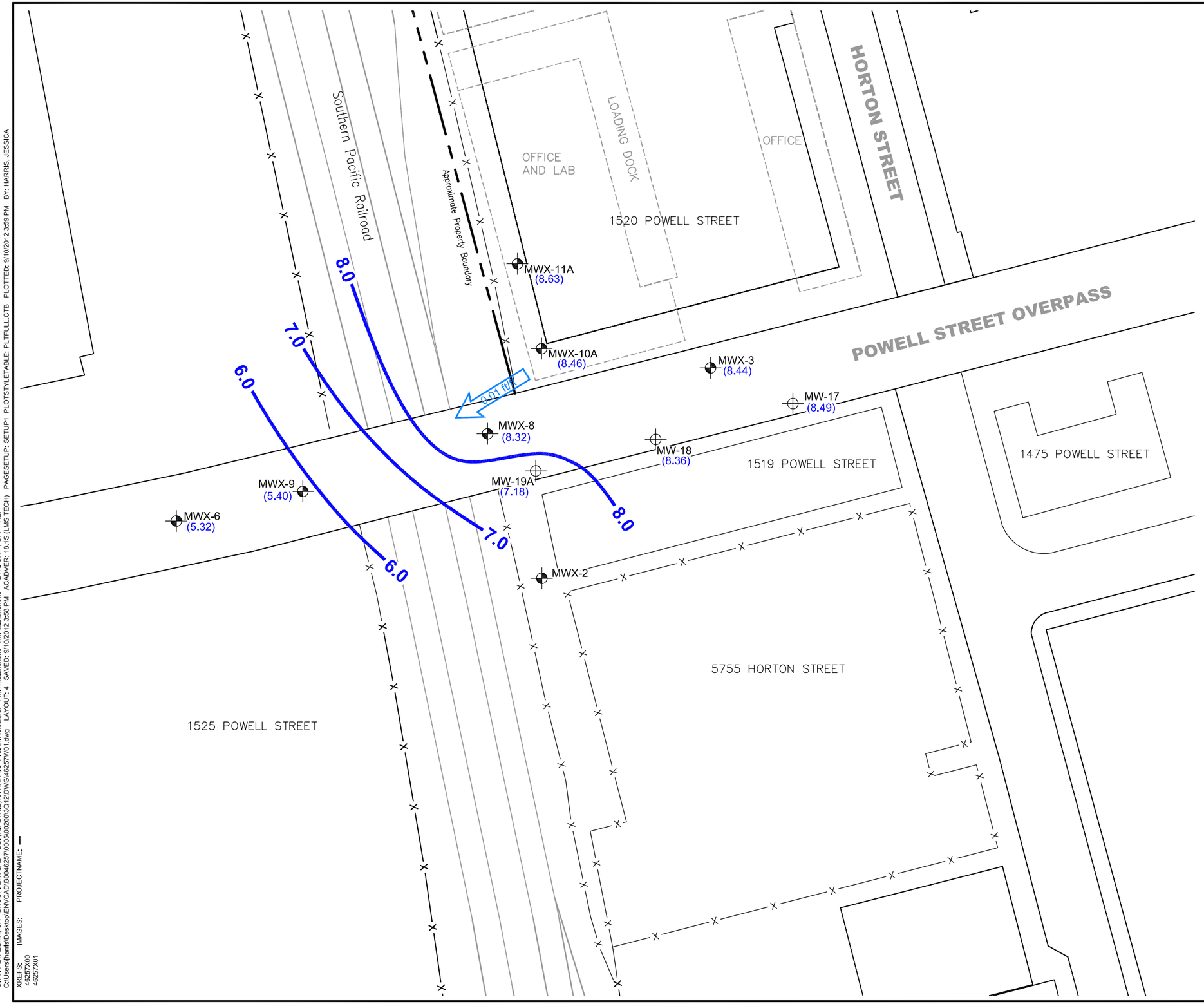
FORMER CHEVRON ASPHALT TERMINAL 206265
1520 POWELL STREET
EMERYVILLE, CA

SITE PLAN

ARCADIS

FIGURE
3

CITY: PETALUMA, CA GROUP: ENVCAD DB: (P. LISTER), L. FORAKER, J. HARRIS PIC: J. VOGELEY PM: J. WAGLER TM: B. McKENNA LYR: ON=*;OFF=*REF*
C:\Users\jharris\Desktop\ENVCAD\B00462570005000200\DWG\46257B03.dwg LAYOUT: 3 SAVED: 9/5/2012 11:39 AM ACADVER: 18.1S (LMS TECH) PAGESETUP: SETUP1 PLOTSTYLETABLE: ARCADIS.CTB PLOTTED: 9/5/2012 11:42 AM BY: HARRIS, JESSICA
XREFS: IMAGES: PROJECTNAME: —
46257X02



LEGEND:

- MONITORING WELL LOCATION (ARCADIS 2009)
- MONITORING WELL LOCATION (WGR 1990)
- HISTORICAL FEATURE
- (8.36) GROUNDWATER ELEVATION
- 7.0 GROUNDWATER ELEVATION CONTOUR (DASHED WHERE INFERRED)
- 0.01 ft/ft GROUNDWATER GRADIENT IN FOOT PER FOOT (ft/ft)

NOTES:

1. BASE MAP MODIFIED FROM A DRAWING BY GETTLER-RYAN TITLED "SITE PLAN", DATED JULY 2000, ORIGINAL DRAWING SCALE 1" = 100'.
2. HISTORICAL FEATURE INFORMATION BASED ON A FIGURE BY HARDING LAWSON ASSOCIATES ENTITLED "POTENTIOMETRIC SURFACE MAP, UPPERMOST AQUIFER 8/24/88", BASED ON MCKESSON ENVIRONMENTAL SERVICES GROUNDWATER INVESTIGATION.
3. GROUNDWATER ELEVATIONS LISTED IN FEET ABOVE MEAN SEA LEVEL.

0 60' 120'

GRAPHIC SCALE

FORMER CHEVRON ASPHALT TERMINAL 206265
1520 POWELL STREET
EMERYVILLE, CA

GROUNDWATER ELEVATION CONTOUR MAP JUNE 26, 2012

ARCADIS

FIGURE 4

CITY: PETALUMA, CA GROUP: ENVCAD DB: (RJPETRIE), J. HARRIS PIC: M.Fleischner PM: M.Blanchette TM: M.Blanchette LYR: ON=*; OFF=*REF*
C:\Users\jharris\Desktop\ENVCAD\B00462570005\00200\3Q12\DWG\462257W01.dwg LAYOUT: 4 SAVED: 9/10/2012 3:58 PM ACADVER: 18.1S (LMS TECH) PAGESETUP: SETUP1 PLOTSTYLETABLE: PLTFULL.CTB PLOTTED: 9/10/2012 3:59 PM BY: HARRIS, JESSICA
XREFS: 462257X00 462257X01
IMAGES: PROJECTNAME: --

WELL ID/	MWX-9		
Date	ESL	MCL	06/27/2012
TPH-D	100	NA	130

WELL ID/	MWX-3		
Date	ESL	MCL	06/27/2012
TPH-G	100	NA	92
Benzene	1.0	1.0	0.6

WELL ID/	MW-19A		
Date	ESL	MCL	06/27/2012
TPH-G	100	NA	120

5800 SHELLMOUND STREET

Southern Pacific Railroad

Approximate Property Boundary

OFFICE AND LAB

LOADING DOCK

OFFICE

1520 POWELL STREET

LANDREGAN STREET

POWELL STREET OVERPASS

MWX-11A

MWX-10A

MWX-3

MW-17

MWX-8

MW-18

MW-19A

1519 POWELL STREET

1475 POWELL STREET

MWX-9

MWX-6

MWX-2

5755 LANDREGAN STREET

1525 POWELL STREET

LEGEND:

- MONITORING WELL LOCATION (ARCADIS 2009)
- MONITORING WELL LOCATION (WGR 1990)
- HISTORICAL FEATURE
- 1,1-DCE - 1,1-DICHLOROETHENE
- 1,2-DCE - 1,2-DICHLOROETHENE
- c-1,2-DCE - cis-1,2-DICHLOROETHENE
- 1,1-DCA - 1,1-DICHLOROETHANE
- 1,1,1-TCA - 1,1,1-TRICHLOROETHANE
- TCE - TRICHLOROETHENE
- CF - CHLOROFORM
- VC - VINYL CHLORIDE
- MCL - MAXIMUM CONTAMINANT LEVEL (CALIFORNIA DEPARTMENT OF PUBLIC HEALTH 2012)
- ESL - ENVIRONMENTAL SCREENING LEVEL (SFRWQCB 2008)
- < - NOT DETECTED ABOVE THE INDICATED REPORTING LIMIT
- -- - NOT ANALYZED
- [ ] - DUPLICATE SAMPLE RESULTS

NOTES:

1. BASE MAP MODIFIED FROM A DRAWING BY GETTLER-RYAN TITLED "SITE PLAN", DATED 07/00, @ A SCALE OF 1" = 100'.
2. ALL LOCATIONS ARE APPROXIMATE.
3. HISTORICAL FEATURE INFORMATION BASED ON A FIGURE BY HARDING LAWSON ASSOCIATES ENTITLED "POTENTIOMETRIC SURFACE MAP, UPPERMOST AQUIFER 8/24/88", BASED ON MCKESSON ENVIRONMENTAL SERVICES GROUNDWATER INVESTIGATION.
4. CONCENTRATIONS ARE IN MICROGRAMS PER LITER (µg/L).

0 60' 120'

GRAPHIC SCALE

FORMER CHEVRON ASPHALT TERMINAL 206265
1520 POWELL STREET
EMERYVILLE, CA

DETECTED FUEL RELATED HYDROCARBON COMPOUNDS IN GROUNDWATER

ARCADIS

FIGURE 5

CITY: Syracuse GROUP: EnvCAD DB: R.Petrie, L.Foraker, A.Schilling PIC: M.Fleischner PM: M.Blanchette TM: M.Blanchette LYR: ON=*; OFF=*REF*
G:\ENVCAD\SYRACUSE\ACTIB\00462570\0004\GWR\01\DWG\462257C05.dwg LAYOUT: 5 SAVED: 9/18/2012 2:14 PM ACADVER: 18.1S (LMS TECH) PAGESETUP: ----
XREFS: IMAGES: PROJECTNAME: ---
46257X00
46257X01

WELL ID/	MWX-8		
Date	ESL	MCL	06/27/2012
t-1,2-DCE	10	10	3
c-1,2-DCE	6.0	6.0	23
VC	0.5	0.5	3

WELL ID/	MWX-11A		
Date	ESL	MCL	06/26/2011
TCE	5.0	5.0	5 [5]
t-1,2-DCE	10	10	0.8 [0.8]
c-1,2-DCE	6.0	6.0	2 [2]
1,1,1-TCA	62	200	0.8 [0.9]

WELL ID/	MW-19A		
Date	ESL	MCL	06/27/2012
t-1,2-DCE	10	10	2
c-1,2-DCE	6.0	6.0	73
VC	0.5	0.5	3

WELL ID/	MWX-6		
Date	ESL	MCL	06/27/2012
c-1,2-DCE	6.0	6.0	1

WELL ID/	MWX-3		
Date	ESL	MCL	06/27/2012
TCE	5.0	5.0	3
t-1,2-DCE	10	10	10
c-1,2-DCE	6.0	6.0	130
1,1-DCA	5.0	5.0	3
VC	0.5	0.5	6
CF	70	70	3

WELL ID/	MWX-9		
Date	ESL	MCL	06/27/2012
PCE	5.0	5.0	4
TCE	5.0	5.0	16
t-1,2-DCE	10	10	0.9
c-1,2-DCE	6.0	6.0	23

WELL ID/	MW-18		
Date	ESL	MCL	06/27/2012
PCE	5.0	5.0	8
TCE	5.0	5.0	27
c-1,2-DCE	6.0	6.0	7

WELL ID/	MWX-10A		
Date	ESL	MCL	06/26/2012
TCE	5.0	5.0	3
c-1,2-DCE	6.0	6.0	3

5800 SHELLMOUND STREET

1520 POWELL STREET

1519 POWELL STREET

1525 POWELL STREET

5755 LANDREGAN STREET

POWELL STREET OVERPASS

LANDREGAN STREET

Southern Pacific Railroad

Approximate Property Boundary

OFFICE AND LAB

LOADING DOCK

OFFICE

MWX-11A

MWX-10A

MWX-3

MW-17

MWX-8

MW-18

MW-19A

MWX-9

MWX-6

MWX-2

LEGEND:

- MONITORING WELL LOCATION (ARCADIS 2009)
- MONITORING WELL LOCATION (WGR 1990)
- HISTORICAL FEATURE
- 1,1-DCE - 1,1-DICHLOROETHENE
- 1,2-DCE - 1,2-DICHLOROETHENE
- c-1,2-DCE - cis-1,2-DICHLOROETHENE
- t-1,2-DCE - TRANS-1,2-DICHLOROETHENE
- 1,1-DCA - 1,1-DICHLOROETHANE
- 1,1,1-TCA - 1,1,1-TRICHLOROETHANE
- TCE - TRICHLOROETHENE
- CF - CHLOROFORM
- VC - VINYL CHLORIDE
- MCL - MAXIMUM CONTAMINANT LEVEL (CALIFORNIA DEPARTMENT OF PUBLIC HEALTH 2012)
- ESL - ENVIRONMENTAL SCREENING LEVEL (SFRWQCB 2008)
- < - NOT DETECTED ABOVE THE INDICATED REPORTING LIMIT
- -- - NOT ANALYZED
- [ ] - DUPLICATE SAMPLE RESULTS

NOTES:

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2. ALL LOCATIONS ARE APPROXIMATE.
3. HISTORICAL FEATURE INFORMATION BASED ON A FIGURE BY HARDING LAWSON ASSOCIATES ENTITLED "POTENTIOMETRIC SURFACE MAP, UPPERMOST AQUIFER 8/24/88", BASED ON MCKESSON ENVIRONMENTAL SERVICES GROUNDWATER INVESTIGATION.
4. CONCENTRATIONS ARE IN MICROGRAMS PER LITER (µg/L).

0 60' 120'

GRAPHIC SCALE

FORMER CHEVRON ASPHALT TERMINAL 206265
1520 POWELL STREET
EMERYVILLE, CA

DETECTED CHLORINATED VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

ARCADIS

FIGURE 6

CITY: Syracuse GROUP: EnvCAD DB: R.Petrie, L.Foraker, A.Schilling PIC: M.Fleischner PM: M.Blanchette TM: M.Blanchette LYR: ON=*; OFF=*REF*
G:\ENVCAD\SYRACUSE\ACTIB\00462570004\GWR01\DWG\462570C06.dwg LAYOUT: 6 SAVED: 9/18/2012 3:49 PM ACADVER: 18.1S (LMS TECH) PAGESETUP: ----
XREFS: IMAGES: PROJECTNAME: ---
46257X00
46257X01

ARCADIS

Attachment A

Groundwater Sampling Sheets

ARCADIS

WATER-QUALITY SAMPLING LOG

Project No. _____ Date: 06/27/12 Page 1 of 1

Project Name: _____ Sampling Location: Emeryville

Sampler's Name: H. Tauscher, S. Kalbassi ☐ FB _____ ☐ DUP _____

Air Monitoring Equipment/calibrated: PID Water Quality Equipment: YSI 650 MDS

Purge Method: ☒ Peristaltic Pump ☐ Disposable Bailer ☐ Hand Bail ☐ Submersible Pump ☐ Teflon Bailer ☐ Other _____

Purge Water Storage Container Type: 55 gallon drum Storage Location: onsite

Analyses Requested	No. and Type of Bottles Used

Lab Name: Lancaster Delivery: ☐ Courier ☐ Hand Delivered ☒ Shipped

Well No. MW-19A Well Depth 14.62

Well Diameter: 2" DTW TOC 3.71

☒ 2" (0.16 gal/feet) ☐ 5" (1.02 gal/feet) Water Column Height _____

☐ 4" (0.65 gal/feet) ☐ 6" (1.47 gal/feet) Well Volume _____

Notes/calculations

Soft bottom

Time	Inlet Depth	Depth to Water	Volume Purged ~~(gal)~~ ml	DO (mg/L)	Temperature (C°)	PH (SU)	Sp Cond (uS/cm °C)	ORP (mV)	Turbidity (NTU)	Remarks
0855	14.00	4.93	Flow cell filled	1.81	16.76	6.52	1732	-55.1	74.5	275 ml/min
0859	"	6.34	1600	0.99	16.96	6.53	1714	-70.2	92.7	"
0903	"	6.83	2700	1.00	17.04	6.53	1715	-71.8	119.5	"
0907	"	7.29	3800	1.03	17.06	6.53	1719	-72.4	104.6	"
0911	"	8.04	4900	1.04	17.06	6.53	1721	-72.3	111.5	"
0915	"	8.66	6000	1.04	17.05	6.53	1722	-72.2	106.0	"
0919	"	8.90	7100	1.06	17.04	6.53	1723	-71.4	99.1	"
0923	"	9.21	8200	1.07	17.02	6.53	1725	-69.7	93.5	"
0927	"	9.34	9300	1.06	17.01	6.52	1727	-68.9	94.0	"
0931	"	9.52	10400	1.09	16.99	6.51	1732	-67.0	95.2	"
0935	"	9.66	11500	1.10	16.97	6.51	1731	-66.5	93.6	"
0939	"	9.71	12600	1.10	16.94	6.51	1731	-65.9	92.4	"
43	"	9.90	13700	1.11	16.89	6.52	1738	-64.2	80.4	"

Continue remarks on reverse, if needed.

nts: Sample time = 0930

6/12; FORM BACK

ARCADIS — WATER-QUALITY SAMPLING LOG

Project No. _____ Date: 06/27/12 Page 1 of 1

Project Name: _____ Sampling Location: Emeryville

Sampler's Name: H. Tauscher, S. Kalbassi ☐ FB _____ ☐ DUP _____

Air Monitoring Equipment/calibrated: PID Water Quality Equipment: YSI

Purge Method: ☒ Peristaltic Pump ☐ Disposable Bailer ☐ Hand Bail ☐ Submersible Pump ☐ Teflon Bailer ☐ Other _____

Purge Water Storage Container Type: 55 gallon drum Storage Location: on site

Analyses Requested	No. and Type of Bottles Used

Lab Name: Lancaster Delivery: ☐ Courier ☐ Hand Delivered ☒ Shipped

Notes/calculations

MS/MSD

pid = 0.0 ppm

Well No. MWX-8 Well Depth 12.43

Well Diameter: 2" DTW TOC 4.82

☒ 2" (0.16 gal/feet) ☐ 5" (1.02 gal/feet) Water Column Height _____

☐ 4" (0.65 gal/feet) ☐ 6" (1.47 gal/feet) Well Volume _____

Time	Inlet Depth	Depth to Water	Volume ~~Purged (gal)~~ Purged (ml)	DO (mg/L)	Temperature (C°)	PH (SU)	Sp Cond (uS/cm °C)	ORP (mV)	Turbidity (NTU)	Remarks
0721	12.00	5.00	Flow cell filled	1.80	16.06	6.24	1582	-31.2	24.8	300 ml/min
0724	"	5.83	1700	1.05	16.07	6.29	1527	-59.5	29.2	"
0727	"	6.23	2900	0.92	16.10	6.43	1460	-78.1	30.2	"
0730	"	6.51	4100	0.88	16.07	6.45	1380	-81.3	19.2	"
0733	"	6.70	5300	0.83	16.07	6.42	1318	-80.9	9.2	"
0736	"	6.89	6500	0.81	16.07	6.39	1310	-79.2	6.7	"
0739	"	6.95	7700	0.81	16.07	6.34	1315	-77.1	6.0	"
0742	"	7.10	8900	0.83	16.08	6.28	1319	-75.6	4.2	"
0745	"	7.17	10100	0.84	16.08	6.27	1327	-69.9	4.3	"
0748	"	7.23	11300	0.84	16.07	6.25	1333	-67.8	3.9	"

Continue remarks on reverse, if needed.

Comments: Sample time = 0800

FORM BACK

ARCADIS — WATER-QUALITY SAMPLING LOG

Project No. _____ Date: 06/26/12 Page 1 of 1

Project Name: _____ Sampling Location: Emeryville

Sampler's Name: H. Tauscher, S. Kalbassi ☐ FB _____ ☐ DUP _____

Air Monitoring Equipment/calibrated: PID Water Quality Equipment: YSI 650 MDS

Purge Method: ☒ Peristaltic Pump ☐ Disposable Bailer ☐ Hand Bail ☐ Submersible Pump ☐ Teflon Bailer ☐ Other _____

Purge Water Storage Container Type: 55 gallon drum Storage Location: onsite

Analyses Requested	No. and Type of Bottles Used

Lab Name: Lancaster Delivery: ☐ Courier ☐ Hand Delivered ☐ Shipped

Notes/calculations

Well No. MWX-10A Well Depth 12.51

Well Diameter: 2" DTW TOC 4.36

☐ 2" (0.16 gal/feet) ☐ 5" (1.02 gal/feet) Water Column Height _____

☐ 4" (0.65 gal/feet) ☐ 6" (1.47 gal/feet) Well Volume _____

Time	Inlet Depth	Depth to Water	Volume ML Purged ~~(gal)~~	DO (mg/L)	Temperature (C°)	PH (SU)	Sp Cond (uS/cm °C)	ORP (mV)	Turbidity (NTU)	Remarks
1350	12.00	4.47	Flow cell filled	1.71	16.81	6.58	702	51.9	9.63	250 ml/min
1354	"	4.47	1500	0.98	16.87	6.46	701	63.1	7.65	"
1358	"	4.47	2500	0.91	17.04	6.42	700	72.9	5.42	"
1402	"	4.47	3500	0.91	17.07	6.42	699	78.3	3.8	"
1406	"	4.47	4500	0.94	17.14	6.42	699	83.8	2.4	"
1410	"	4.47	5500	0.95	17.17	6.47	700	86.0	1.6	"
1414	"	4.48	6500	0.93	17.10	6.51	705	90.3	1.1	"
1418	"	4.48	7500	0.90	17.15	6.58	707	91.2	1.1	"

Continue remarks on reverse, if needed.

Notes/Comments: _____

ARCADIS — WATER-QUALITY SAMPLING LOG

Project No. _____ Date: 06/26/12 Page 1 of 1 Emeryville

Project Name: Chevron 206265 Sampling Location: ~~MWX-11A~~ MW

Sampler's Name: H. Tauscher / S. Kalbassi ☐ FB _____ ☒ DUP @ 1230

Air Monitoring Equipment/calibrated: PID Water Quality Equipment: YSI 650 MDS

Purge Method: ☒ Peristaltic Pump ☐ Disposable Bailer ☐ Hand Bail ☐ Submersible Pump ☐ Teflon Bailer ☐ Other _____

Purge Water Storage Container Type: _____ Storage Location: _____

Analyses Requested	No. and Type of Bottles Used

Lab Name: Lancaster Delivery: ☒ Courier ☐ Hand Delivered ☐ Shipped

Notes/calculations

Well No. MWX-11A Well Depth _____

Well Diameter: 2" DTW TOC 5.45

☐ 2" (0.16 gal/feet) ☐ 5" (1.02 gal/feet) Water Column Height _____

☐ 4" (0.65 gal/feet) ☐ 6" (1.47 gal/feet) Well Volume _____

Time	Inlet Depth	Depth to Water	Volume Purged (gal) (ML)	DO (mg/L)	Temperature (C°)	PH (SU)	Sp Cond (uS/cm °C)	ORP (mV)	Turbidity (NTU)	Remarks
1139	11.00'	5.93	Flow cell filled	5.66	16.08	6.68	860	164.7	2.4	250 mls/min
1143	"	6.32	1500	4.15	16.02	6.70	868	154.0	1.2	"
1147	"	6.60	2500	4.09	16.08	6.71	868	150.7	1.2	"
1150	"	6.81	3500	4.06	16.17	6.71	869	149.5	0.8	"
1153	"	6.97	4500	4.06	16.08	6.71	871	149.1	0.5	"
1156	"	7.13	5500	3.86	16.02	6.70	871	149.2	0.6	"
1159	"	7.27	6500	3.77	15.98	6.71	874	148.6	0.6	"
1203	"	7.33	7500	3.78	15.95	6.68	872	149.5	0.7	"
1206	"	7.42	8500	3.61	15.92	6.68	871	148.4	0.4	"
1209	"	7.50	9500	3.49	15.91	6.68	868	148.4	0.3	"

Continue remarks on reverse, if needed.

Notes/Comments: Sample time = 1210

ARCADIS — WATER-QUALITY SAMPLING LOG

Project No. _____ Date: 06/27/12 Page 1 of 1

Project Name: _____ Sampling Location: Emeryville

Sampler's Name: H. Tauscher, S. Kalbassi ☐ FB _____ ☐ DUP _____

Air Monitoring Equipment/calibrated: PID Water Quality Equipment: YSI 650 MDS

Purge Method: ☒ Peristaltic Pump ☐ Disposable Bailer ☐ Hand Bail ☐ Submersible Pump ☐ Teflon Bailer ☐ Other _____

Purge Water Storage Container Type: 55 gallon drum Storage Location: on site

Analyses Requested	No. and Type of Bottles Used

Lab Name Lancaster Delivery: ☐ Courier ☐ Hand Delivered ☒ Shipped

Notes/calculations

Well No. MWX-6 Well Depth 13.13

Well Diameter: 2" DTW TOC 6.08

☐ 2" (0.16 gal/feet) ☐ 5" (1.02 gal/feet) Water Column Height _____

☐ 4" (0.65 gal/feet) ☐ 6" (1.47 gal/feet) Well Volume _____

Time	Inlet Depth	Depth to Water	Volume Purged ~~(gal)~~ mL	DO (mg/L)	Temperature (C°)	PH (SU)	Sp Cond (uS/cm °C)	ORP (mV)	Turbidity (NTU)	Remarks
1432	12.90	6.43	Flow cell filled	2.23	16.97	6.81	561	90.2	60.9	220 ml/min
1436	"	6.51	1380	1.01	16.93	6.64	549	77.7	33.5	"
1440	"	6.57	2260	0.84	16.96	6.63	546	71.2	19.1	"
1444	"	6.60	3150	0.79	16.96	6.63	545	65.4	14.1	"
1448	"	6.63	4030	0.75	16.92	6.64	543	59.9	13.9	"
1452	"	6.71	5110	0.69	16.92	6.67	539	54.6	13.7	"

Continue remarks on reverse, if needed.

Notes/Comments:

ARCADIS — WATER-QUALITY SAMPLING LOG

Project No. _____ Date: 06/27/12 Page 1 of 1

Project Name: _____ Sampling Location: Emeryville

Sampler's Name: H. Tauscher, S. Kalbassi ☐ FB _____ ☐ DUP _____

Air Monitoring Equipment/calibrated: _____ Water Quality Equipment: YSI 650 MDS

Purge Method: ☒ Peristaltic Pump ☐ Disposable Bailer ☐ Hand Bail ☐ Submersible Pump ☐ Teflon Bailer ☐ Other _____

Purge Water Storage Container Type: 35 gallon Drum Storage Location: on site

Analyses Requested	No. and Type of Bottles Used

Lab Name: Lancaster Delivery: ☐ Courier ☐ Hand Delivered ☒ Shipped

Notes/calculations

Well No. MWX-9 Well Depth 12.55

Well Diameter: 2" DTW TOC 6.04

☐ 2" (0.16 gal/feet) ☐ 5" (1.02 gal/feet) Water Column Height _____

☐ 4" (0.65 gal/feet) ☐ 6" (1.47 gal/feet) Well Volume _____

Time	Inlet Depth	Depth to Water	Volume Purged ~~(gal)~~ mL	DO (mg/L)	Temperature (C°)	PH (SU)	Sp Cond (uS/cm °C)	ORP (mV)	Turbidity (NTU)	Remarks
1343	12.15'	6.07	Flow cell filled	2.16	17.39	6.89	495	67.8	180.2	250 mL/min
1347	"	6.07	1500	0.99	17.35	6.79	496	62.7	108.2	"
1351	"	6.07	2500	0.80	17.46	6.78	495	66.9	19.8	"
1355	"	6.07	3500	0.74	17.55	6.81	494	68.9	10.0	"
1359	"	6.07	4500	0.70	17.60	6.84	493	69.7	3.9	"
1403	"	6.07	5500	0.67	17.65	6.88	493	70.9	2.4	"
1407	"	6.07	6500	0.66	17.67	6.88	493	71.6	1.5	"

Continue remarks on reverse, if needed.

Notes/Comments: Sample time = 1400

ACK

ARCADIS — WATER-QUALITY SAMPLING LOG

Project No. _____ Date: 06/27/12 Page 1 of 1

Project Name: _____ Sampling Location: Emeryville

Sampler's Name: H. Tauscher, S. Kalbassi ☐ FB _____ ☐ DUP _____

Air Monitoring Equipment/calibrated: PID Water Quality Equipment: YSI 650 MDS

Purge Method: ☒ Peristaltic Pump ☐ Disposable Bailer ☐ Hand Bail ☐ Submersible Pump ☐ Teflon Bailer ☐ Other _____

Purge Water Storage Container Type: _____ Storage Location: _____

Analyses Requested	No. and Type of Bottles Used

Lab Name: _____ Delivery: ☐ Courier ☐ Hand Delivered ☒ Shipped

Notes/calculations

Well No. MW-18 Well Depth 12.45

Well Diameter: 2" DTW TOC 4.61

☐ 2" (0.16 gal/feet) ☐ 5" (1.02 gal/feet) Water Column Height _____

☐ 4" (0.65 gal/feet) ☐ 6" (1.47 gal/feet) Well Volume _____

Time	Inlet Depth	Depth to Water	Volume Purged (~~gal~~ ml)	DO (mg/L)	Temperature (C°)	PH (SU)	Sp Cond (uS/cm °C)	ORP (mV)	Turbidity (NTU)	Remarks
1220	12.00	4.63	Flow cell filled	2.24	18.90	6.65	542	54.8	212.6	250 ml/min
1224	"	4.63	1500	1.32	18.50	6.42	504	73.2	157.1	"
1228	"	4.63	2500	1.29	18.43	6.35	506	77.8	93.1	"
1232	"	4.63	3500	1.21	18.22	6.29	496	80.7	41.5	"
1236	"	4.63	4500	1.07	18.16	6.27	490	81.8	14.6	"
1240	"	4.63	5500	0.97	18.11	6.27	485	82.3	5.0	"
1244	"	4.63	6500	0.96	18.13	6.27	483	84.4	4.1	"
1248	"	4.63	7500	0.91	18.13	6.27	481	85.2	3.9	"

Continue remarks on reverse, if needed.

Notes/Comments: Sample Time = 1300

ADIS

WATER-QUALITY SAMPLING LOG

Project No. _____ Date: 06/27/12 Page 1 of 1

Project Name: CVX Former Asphalt 206265 Sampling Location: Emeryville

Sampler's Name: H. Tansher, S. Kalbassi ☐ FB _____ ☐ DUP _____

Air Monitoring Equipment/calibrated: PID Water Quality Equipment: YSI 650 MDS

Purge Method: ☒ Peristaltic Pump ☐ Disposable Bailer ☐ Hand Bail ☐ Submersible Pump ☐ Teflon Bailer ☐ Other _____

Purge Water Storage Container Type: _____ Storage Location: _____

Analyses Requested	No. and Type of Bottles Used

Lab Name: Lancaster Delivery: ☐ Courier ☐ Hand Delivered ☒ Shipped

Notes/calculations

Well No. MW-X3 Well Depth 12.85

Well Diameter: 2" DTW TOC 5.02

☐ 2" (0.16 gal/feet) ☐ 5" (1.02 gal/feet) Water Column Height _____

☐ 4" (0.65 gal/feet) ☐ 6" (1.47 gal/feet) Well Volume _____

Time	Inlet Depth	Depth to Water	Volume ~~gal~~ mL Purged	DO (mg/L)	Temperature (C°)	PH (SU)	Sp Cond (uS/cm °C)	ORP (mV)	Turbidity (NTU)	Remarks
1026	12.51'	6.23	Flow cell filled	1.94	15.76	6.29	1982	-59.5	111.2	250 mL/min
1030	"	7.27	1500	1.36	15.81	6.29	1984	-64.1	125.4	"
1034	"	7.92	2500	1.16	15.82	6.30	1995	-66.4	126.1	"
1038	"	8.50	3500	1.08	15.79	6.30	2018	-63.1	129.6	"
1042	"	9.04	4500	1.04	15.78	6.28	2040	-61.9	123.4	"
1046	"	9.39	5500	1.00	15.78	6.27	2049	-54.1	109.6	"
1050	"	9.77	6500	0.97	15.76	6.27	2053	-52.7	93.7	"
1054	"	10.06	7500	0.93	15.75	6.26	2052	-46.8	71.6	"
1058	"	10.54	8500	0.89	15.74	6.25	2043	-41.5	69.6	"
1102	"	10.67	9500	0.89	15.74	6.26	2040	-39.9	70.4	"
1106	"	10.80	10500	0.91	15.76	6.27	2037	-40.3	71.2	"
1110	"	10.89	11500	0.97	15.76	6.27	2039	-41.4	72.6	"

Continue remarks on reverse, if needed.

Notes/Comments: Sample time = 1100

BACK

ARCADIS

Attachment B

Historical Groundwater Analytical Results

ATTACHMENT B
HISTORICAL GROUNDWATER ANALYTICAL RESULTS
Former Chevron Asphalt Plant and Bulk Terminal #206265
1520 Powell Street
Emeryville, California

	Fuel Related Hydrocarbon Compounds							Chlorinated Volatile Organic Compounds										
WELL ID/ DATE	**TPH-G (µg/L)**	**BENZENE (µg/L)**	**TOLUENE (µg/L)**	**ETHYL BENZENE (µg/L)**	**XYLENE (µg/L)**	**MTBE (µg/L)**	**TPH-D (µg/L)**	**1,1-DCE (µg/L)**	**1,2-DCE (µg/L)**	**t-1,2-DCE (µg/L)**	**c-1,2-DCE (µg/L)**	**1,1-DCA (µg/L)**	**1,1,1-TCA (µg/L)**	**TCE (µg/L)**	**PCE (µg/L)**	**CF (µg/L)**	**VC (µg/L)**	**HVOCs (µg/L)**
MWX-2																		
6/24/2009	--	--	--	--	--	--	--	<0.8	**--**	**3**	**38**	<1	<0.8	**69**	**20**	**0.9**	**6**	--
10/27/09	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5/19/2010	**200**	<0.5	<0.5	<0.5	<0.5	<0.5	**240**	**0.9**	**--**	**5**	**230**	<1	<0.8	**43**	**130**	<0.8	**62**	--
10/27/10	**420**	<0.5	<0.5	<0.5	<0.5	<0.5	**110**	<0.8	**--**	**2**	**150**	<1	<0.8	**48**	**760**	<0.8	<1	--
06/09/11	**180**	<0.5	<0.5	<0.5	<0.5	<0.5	**330**	<0.8	**--**	**2**	**130**	<1	<0.8	**30**	**310**	<0.8	**8**	--
12/2/2011	**340 [330]**	<0.5 [<0.5]	<0.5 [<0.5]	<0.5 [<0.5]	<0.5 [<0.5]	<0.5 [<0.5]	<50 [<49]	<0.8 [<0.8]	**--**	2 [3]	**130 [140]**	<1 [<1]	<0.8 [<0.8]	**45 [44]**	**480 [510]**	**<0.8 [<0.8]**	**3 [3]**	--
Not Sampled - Inaccessible																		
MWX-3																		
6/24/2009	--	--	--	--	--	--	--	**2**	**--**	**22**	**670**	**3**	<2	**2,100**	<2	<2	**24**	--
10/27/09	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5/19/2010	**470**	<0.5	<0.5	<0.5	<0.5	<0.5	**93**	<0.8	**--**	**10**	**480**	<1	<0.8	**490**	<0.8	<0.8	**12**	--
10/27/10	**440**	<0.5	<0.5	<0.5	<0.5	<0.5	**68**	<0.8	**--**	**8**	**500**	<1	<0.8	**330**	<0.8	**1**	**5**	--
06/07/11	**590**	<0.5	<0.5	<0.5	<0.5	<0.5	**65**	<0.8	**--**	**14**	**630**	<1	<0.8	**430**	<0.8	<0.8	**8**	--
12/2/2011	**900**	<0.5	<0.5	<0.5	<0.5	<0.5	<51	**1**	**--**	**12**	**430**	**1**	<0.8	**630**	<0.8	**<0.8**	**13**	--
06/27/2012	**92**	0.6	<0.5	<0.5	<0.5	<0.5	<53	<0.8	**--**	**10**	**130**	**3**	<0.8	**3**	<0.8	**3**	**6**	--
MWX-6																		
6/24/2009	--	--	--	--	--	--	--	<0.8	**--**	<0.8	**1**	<1	<0.8	<1	<0.8	<0.8	<1	--
10/27/09	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5/20/2010	<50	<0.5	<0.5	<0.5	<0.5	<0.5	**85**	<0.8	**--**	<0.8	**2**	<1	<0.8	<1	<0.8	<0.8	<1	--
10/26/10	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<51	<0.8	**--**	<0.8	**2**	<1	<0.8	<1	<0.8	<0.8	<1	--
06/08/11	<50	<0.5	<0.5	<0.5	<0.5	<0.5	**53**	<0.8	**--**	<0.8	**1**	<1	<0.8	<1	<0.8	<0.8	<1	--
11/30/2011	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<49	<0.8	**--**	<0.8	**1**	<1	<0.8	<1	<0.8	<0.8	<1	--
06/27/2012	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<49	<0.8	**--**	<0.8	**1**	<1	<0.8	<1	<0.8	<0.8	<1	--
MWX-8																		
6/24/2009	--	--	--	--	--	--	--	<0.8	**--**	**3**	**84**	<1	<0.8	**64**	**260**	<0.8	**6**	--
10/27/09	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5/18/2010	**170**	<0.5	<0.5	**0.5**	<0.5	<0.5	**67**	<0.8	**--**	**3**	**91**	<1	<0.8	**67**	**260**	<0.8	**6**	--
10/27/10	**270**	<0.5	<0.5	<0.5	<0.5	<0.5	<49	<0.8	**--**	**5**	**230**	<1	<0.8	**170**	**290**	<0.8	**19**	--
06/08/11	**160**	<0.5	<0.5	<0.5	<0.5	<0.5	<50	<0.8	**--**	**4**	**100**	<1	<0.8	**49**	**280**	<0.8	**1**	--
12/2/2011	**230**	<0.5	<0.5	<0.5	<0.5	<0.5	<50	<0.8	**--**	**4**	**120**	<1	<0.8	**78**	**240**	<0.8	**3**	--
06/27/2012	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<51	<0.8	**--**	**3**	**23**	<1	<0.8	<0.8	<1	<0.8	**3**	--
MWX-9																		
6/24/2009	--	--	--	--	--	--	--	<0.8	**--**	**1**	**37**	<1	<0.8	**17**	**9**	<0.8	**3**	--
10/27/09	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5/20/2010	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50	<0.8	**--**	**1**	**8**	<1	<0.8	**20**	**7**	<0.8	<1	--
10/26/10	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<47	<0.8	**--**	**1**	**21**	<1	<0.8	**18**	**5**	<0.8	<1	--
06/09/11	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<48	<0.8	**--**	**1**	**13**	<1	<0.8	**21**	**10**	<0.8	<1	--
11/30/2011	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<54	<0.8	**--**	**0.9**	**6**	<1	<0.8	**13**	**3**	<0.8	<1	--
06/27/2012	<50	<0.5	<0.5	<0.5	<0.5	<0.5	**130**	<0.8	**--**	**0.9**	**23**	<1	<0.8	**16**	**4**	<0.8	<1	--
MWX-10A																		
6/24/2009	--	--	--	--	--	--	--	<0.8	**--**	<0.8	**2**	<1	<0.8	**17**	<0.8	<0.8	<1	--
10/27/09	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5/20/2010	<50	<0.5	<0.5	<0.5	<0.5	<0.5	**96**	<0.8	--	<0.8	**3**	<1	<0.8	**6**	<0.8	<0.8	<1	--
10/28/10	<50	<0.5	<0.5	<0.5	<0.5	<0.5	**300**	<0.8	--	<0.8	**4**	<1	<0.8	**14**	<0.8	<0.8	<1	--
06/10/11	<50	<0.5	<0.5	<0.5	<0.5	<0.5	**250**	<0.8	--	<0.8	**3**	<1	<0.8	**5**	<0.8	<0.8	<1	--
12/1/2011	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<49	<0.8	--	<0.8	**5**	<1	<0.8	**6**	<0.8	<0.8	<1	--
06/26/2012	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<55	<0.8	--	<0.8	**3**	<1	<0.8	**3**	<0.8	<0.8	<1	--

ATTACHMENT B
HISTORICAL GROUNDWATER ANALYTICAL RESULTS
Former Chevron Asphalt Plant and Bulk Terminal #206265
1520 Powell Street
Emeryville, California

WELL ID/ DATE	Fuel Related Hydrocarbon Compounds							Chlorinated Volatile Organic Compounds										
	TPH-G (µg/L)	BENZENE (µg/L)	TOLUENE (µg/L)	ETHYL BENZENE (µg/L)	XYLENE (µg/L)	MTBE (µg/L)	TPH-D (µg/L)	1,1-DCE (µg/L)	1,2-DCE (µg/L)	t-1,2-DCE (µg/L)	c-1,2-DCE (µg/L)	1,1-DCA (µg/L)	1,1,1-TCA (µg/L)	TCE (µg/L)	PCE (µg/L)	CF (µg/L)	VC (µg/L)	HVOCs (µg/L)
MWX-11A																		
6/24/2009	--	--	--	--	--	--	--	<0.8	--	<0.8	2	<1	<0.8	3	<0.8	<0.8	<1	--
10/27/09	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5/20/2010	<50	<0.5	<0.5	<0.5	<0.5	<0.5	110	<0.8	--	0.9	2	<1	<0.8	3	<0.8	<0.8	<1	--
10/28/10	<50	<0.5	<0.5	<0.5	<0.5	<0.5	66	<0.8	--	<0.8	2	<1	1	4	<0.8	<0.8	<1	--
06/10/11	<50	<0.5	<0.5	<0.5	<0.5	<0.5	250	<0.8	--	4	8	<1	<0.8	11	<0.8	<0.8	<1	--
11/30/2011	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<48	<0.8	--	1	5	<1	<0.8	4	<0.8	<0.8	<1	--
06/26/2011	<50 [<50]	<0.5 [<0.5]	<0.5 [<0.5]	<0.5 [<0.5]	<0.5 [<0.5]	<0.5 [<0.5]	<49 [<49]	<0.8 [<0.8]	--	0.8 [0.8]	2 [2]	<1 [<1]	0.8 [0.9]	5 [5]	<0.8 [<0.8]	<0.8 [<0.8]	<1 [<1]	--
MW-17																		
03/21/90	<50	<0.3	<0.3	<0.3	<0.6	--	--	<0.2	5.2	--	--	0.7	1.3	32	11	1.1	<1.0	--
06/19/90	<50	<0.3	<0.3	<0.3	<0.6	--	--	<0.2	3.1	--	--	<0.5	1.0	38	13	1.2	<1.0	--
09/20/90	<50	<0.3	<0.3	<0.3	<0.6	--	--	<0.2	2.4	--	--	<0.5	1.4	44	16	2.8	<1.0	--
12/28/90	<50	<0.5	<0.5	<0.5	<0.5	--	--	<0.5	--	<0.5	2.0	<0.5	0.6	34	15	2.0	<1.0	--
05/10/91	<50	<0.5	<0.5	<0.5	0.8	--	--	<0.5	--	<0.5	3.0	<0.5	0.6	37	14	1.0	<1.0	ND
08/08/91	82	1.9	2.5	0.9	5.4	--	--	<0.5	--	<0.5	2.5	<0.5	<0.5	69	15	0.9	<1.0	ND
11/27/91	<50	<0.5	<0.5	<0.5	<0.5	--	--	<0.5	--	<0.5	13	<0.5	<0.5	59	14	2.4	<1.0	ND
01/29/92	<50	<0.5	0.9	<0.5	0.5	--	--	<0.5	--	<0.5	2.9	<0.5	0.8	35	15	1.1	<1.0	ND
03/26/92	<50	<0.5	<0.5	<0.5	<0.5	--	--	<0.5	--	<0.5	1.5	<0.5	0.7	41	12	0.6	<1.0	ND
07/23/92	<50	<0.5	<0.5	<0.5	<0.5	--	--	<0.5	--	<0.5	1.1	<0.5	<0.5	31	14	0.8	<0.5	<0.5
10/28/92	78	1.0	7.1	1.4	6.5	--	--	<0.5	--	<0.5	1.6	<0.5	<0.5	42	11	0.8	<1.0	ND
05/04/93	60	0.8	1.7	1.1	3.0	--	--	<0.5	--	<0.5	1.1	<0.5	<0.5	26	12	0.6	<1.0	<0.5
01/05/94	<50	<0.5	0.7	<0.5	<0.5	--	--	<0.5	--	<0.5	1.1	<0.5	<0.5	25	13	0.8	<1.0	<0.5
05/13/94	<50	<0.5	<0.5	<0.5	<0.5	--	--	<0.5	--	<0.5	1.0	<0.5	0.6	23	13	<0.5	<0.5	<0.5-<1.0
10/24/94	<50	<0.5	<0.5	<0.5	<0.5	--	--	<0.5	--	<0.5	1.4	<0.5	<0.5	26	13	<0.5	<0.5	<0.5-<1.0
04/19/95	<50	<0.5	<0.5	<0.5	<0.5	--	--	<0.5	--	<0.5	0.9	<0.5	1.1	21	12	1.2	<0.5	<0.5
11/06/95	<50	<0.5	<0.5	<0.5	<5.0	--	--	<1.0	--	<1.0	1.1	<1.0	<1.0	29	13	<1.0	<1.0	ND
04/26/96	<50	<0.5	<0.5	<0.5	<5.0	--	--	<0.5	--	<0.5	0.8	<0.5	1.2	24	11	0.6	<0.8	<0.5-<5.0
10/10/96	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	<0.5	--	<0.5	1.5	<0.5	0.9	31	15	0.6	<0.8	ND
04/22/97	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	<0.5	--	<0.5	1.2	<0.5	1.7	21	11	<0.5	<0.8	ND
10/16/97	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	<1.0	--	<1.0	1.1	<1.0	1.2	21	7.9	<1.0	<0.5	ND
05/04/98	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	<0.5	--	<0.5	1.4	<0.5	2.1	20	11	0.58	<1.0	ND
11/04/99	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	<0.5	--	<0.5	<0.5	<0.5	<0.5	15.4	7.75	<0.5	<0.5	ND
04/13/00	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	<1.0	--	<1.0	<1.0	<1.0	<1.0	14	8.7	<1.0	<1.0	--[21]
10/05/00	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	<1.0	--	<1.0	<1.0	<1.0	<1.0	18	11	<1.0	<1.0	--[21]
04/23/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	<1.0	--	<1.0	<1.0	<1.0	<1.0	10	5.7	<1.0	<1.0	--[21]
10/04/01	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--	<1	--	<1	<1	<1	<1	14	8	<1	<1	--[21]
04/01/02	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--	<1	--	<1	<1	<1	<1	10	6	<1	<1	--[21]
10/19/02	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--	<1	--	<1	<1	<1	<1	15	8	<1	<1	<1-<2.0
04/16/03	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	<0.8	--	<0.8	<0.8	<1	<0.8	11	7	<0.8	<1	<0.8-<2
10/29/03[12]	<50	<0.5	<0.5	<0.5	<1	<0.5	--	<0.8	--	<0.8	<0.8	<1	<0.8	15	9	<0.8	<1	<0.5-<2
04/01/04[12]	<50	<0.5	<0.5	<0.5	<1	<0.5	--	<0.8	--	<0.8	<0.8	<1	<0.8	12	8	<0.8	<1	<0.5-<2
10/01/04[12]	<50	<0.5	<0.7	<0.8	<1.6	<0.5	--	<0.8	--	<0.8	1	<1	<0.8	13	7	0.9	<1	<0.5-<2
04/08/05[12]	<50	<0.5	<0.5	<0.5	<1.0	<0.5	--	<0.8	--	<0.8	2	<1	<0.8	10	7	<0.8	<1	<0.5-<2
10/20/05[12]	<50	<0.5	<0.5	<0.5	<1.0	<0.5	--	<0.8	--	<0.8	3	<0.5	<0.8	12	6	0.9	<1	<0.5-<2
04/20/06[12]	<50	<0.5	<0.5	<0.5	<1.0	<0.5	--	<0.8	--	<0.8	1	<1	<0.8	10	5	<0.8	<1	<0.8-<2
10/25/06[12]	<50	<0.5	<0.5	<0.5	<1.0	<0.5	--	<0.8	--	<0.8	3	<1	<0.8	14	6	<0.8	<1	<0.8-<2
04/13/07[12]	<50	<0.5	<0.5	<0.5	<1.0	<0.5	--	<0.8	--	<0.8	2	<1	<0.8	9	6	<0.8	<1	<0.8-<2

ATTACHMENT B
HISTORICAL GROUNDWATER ANALYTICAL RESULTS
Former Chevron Asphalt Plant and Bulk Terminal #206265
1520 Powell Street
Emeryville, California

WELL ID/ DATE	Fuel Related Hydrocarbon Compounds							Chlorinated Volatile Organic Compounds										
	TPH-G (µg/L)	BENZENE (µg/L)	TOLUENE (µg/L)	ETHYL BENZENE (µg/L)	XYLENE (µg/L)	MTBE (µg/L)	TPH-D (µg/L)	1,1-DCE (µg/L)	1,2-DCE (µg/L)	t-1,2-DCE (µg/L)	c-1,2-DCE (µg/L)	1,1-DCA (µg/L)	1,1,1-TCA (µg/L)	TCE (µg/L)	PCE (µg/L)	CF (µg/L)	VC (µg/L)	HVOCs (µg/L)
MW-17 (cont)																		
10/19/07[12]	<50	<0.5	<0.5	<0.5	<1.0	<0.5	--	<0.8	--	<0.8	**3**	<1	<0.8	**12**	**6**	<0.8	<1	<0.8-<2
04/11/08[12]	<50	<0.5	<0.5	<0.5	<1.0	<0.5	--	<0.8	--	<0.8	**2**	<1	<0.8	**8**	**5**	<0.8	<1	<0.5-<2
10/17/08[12]	<50	<0.5	<0.5	<0.5	<1.0	<0.5	**--**	<0.8	--	<0.8	**3**	<1	<0.8	**14**	**6**	<0.8	<1	<0.8-<2
04/30/09	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	<0.8	--	<0.8	**2**	<1	<0.8	**7**	**5**	<0.8	<1	ND
06/24/09	--	--	--	--	--	--	--	<0.8	--	<0.8	**2**	<1	<0.8	**8**	**4**	<0.8	<1	--
10/27/09	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	<0.8	--	<0.8	**1**	<1	<0.8	**7**	**6**	<0.8	<1	--
05/19/10	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50	<0.8	**--**	<0.8	**1**	<1	<0.8	**7**	**5**	<0.8	<1	--
10/28/10	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<48	<0.8	**--**	<0.8	**1**	<1	<0.8	**8**	**5**	<0.8	<1	--
06/09/11	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<48	<0.8	**--**	<0.8	**1**	<1	<0.8	**7**	**5**	<0.8	<1	--
12/1/2011	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<51	<0.8	**--**	<0.8	**1**	<1	<0.8	**8**	**5**	<0.8	<1	--
Not Sampled - Inaccessible																		
MW-18																		
03/21/90	<50	<0.3	<0.3	<0.3	<0.6	--	--	<0.2	**1.7**	--	--	<0.5	**2.4**	**33**	**20**	**0.9**	<1.0	--
06/19/90	<50	<0.3	<0.3	<0.3	<0.6	--	--	<0.2	**2.7**	--	--	<0.5	**0.9**	**63**	**20**	**0.73**	<1.0	--
09/20/90	<50	<0.3	<0.3	<0.3	<0.6	--	--	<0.2	**3.3**	--	--	<0.5	**1.6**	**76**	**25**	**1.7**	<1.0	--
12/28/90	<50	<0.5	<0.5	<0.5	<0.5	--	--	<0.5	--	<0.5	**2.0**	<0.5	**0.8**	**44**	**21**	**1.0**	<1.0	--
05/10/91	<50	<0.5	<0.5	<0.5	<0.5	--	--	<0.5	--	<0.5	**2.0**	<0.5	**0.7**	**47**	**20**	**2.0**	<1.0	ND
08/08/91	52	<0.5	<0.5	<0.5	<0.5	--	--	<0.5	--	<0.5	**2.0**	<0.5	**0.7**	**32**	**25**	**1.0**	<1.0	ND
11/27/91	<50	0.6	1.5	0.6	2.1	--	--	<0.5	--	<0.5	**3.6**	<0.5	**0.5**	**60**	**18**	**1.5**	<1.0	ND
01/29/92	67	3.7	5.2	1.5	5.0	--	--	<5.0	--	<5.0	<5.0	<5.0	<5.0	**67**	**17**	<5.0	<10	ND
03/26/92	80	<0.5	<0.5	<0.5	0.8	--	--	<1.2	--	<1.2	**6.4**	<1.2	<1.2	**130**	**19**	**1.7**	<2.5	ND
07/23/92	50	1.3	2.1	0.5	3.0	--	--	<0.5	--	<0.5	**3.0**	<0.5	**0.5**	**67**	**19**	**0.8**	<0.5	<0.5
10/28/92	54	<0.5	1.3	<0.5	1.1	--	--	<0.5	--	<0.5	**1.1**	<0.5	<0.5	**52**	**14**	**0.8**	<1.0	ND
05/04/93	<50	<0.5	<0.5	<0.5	<1.5	--	--	<0.5	--	<0.5	**1.9**	<0.5	**0.7**	**48**	**18**	**2.5**	<1.0	ND[14]
01/05/94	<50	<0.5	0.5	<0.5	0.6	--	--	<0.5	--	<0.5	**4.0**	<0.5	**0.8**	**94**	**17**	**1.0**	<1.0	<0.5
05/13/94	<50	<0.5	<0.5	<0.5	<0.5	--	--	<0.5	--	<0.5	**0.8**	<0.5	**0.8**	**16**	**15**	**0.8**	<0.5	<0.5-<1.0
10/24/94	<50	<0.5	<0.5	<0.5	<0.5	--	--	<0.5	--	<0.5	<0.5	<0.5	<0.5	**22**	**15**	**1.2**	<0.5	<0.5-<1.0
04/19/95	<50	<0.5	<0.5	<0.5	<0.5	--	--	<0.5	--	<0.5	**2.2**	<0.5	**1.3**	**46**	**14**	**1.1**	<0.5	ND[15]
11/06/95	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	<1.0	--	<1.0	**1.8**	<1.0	**1.2**	**45**	**18**	<1.0	<1.0	ND
04/26/96	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	<0.5	--	**0.9**	**2.8**	<0.5	**3.0**	**31**	**17**	**0.6**	<0.8	<0.5-<5.0
10/10/96	PAVED OVER		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
04/22/97	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	<0.5	--	<0.5	1.7	<0.5	**3.2**	**26**	**15**	<0.5	<0.8	ND
10/16/97	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	<1.0	--	<1.0	1.0	<1.0	**2.2**	**25**	**11**	<1.0	<0.5	ND
05/04/98	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	**1.1**	--	**1.7**	**4.5**	**2.5**	**3.1**	**40**	<1.0	<1.0	<2.0	ND
10/05/00	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	<1.0	--	<1.0	<1.0	<1.0	<1.0	**13**	**11**	<1.0	<1.0	--[21]
10/27/98	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	<0.5	--	<0.5	**0.77**	<0.5	**1.7**	**19**	**14**	<0.5	<1.0	ND
04/15/99	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	<0.625	--	**1.78**	**3.45**	<0.625	**2.29**	**27.4**	**14.5**	**0.908**	<1.25	ND
11/04/99	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	<0.5	--	<0.5	<0.5	<0.5	**1.51**	**18.5**	**10.2**	<0.5	<0.5	ND
04/13/00	INACCESSIBLE6		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
04/23/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	<1.0	--	<1.0	<1.0	<1.0	<1.0	**10**	**9.3**	<1.0	<1.0	--[21]
10/04/01	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--	<1	--	<1	<1	<1	<1	**13**	**11**	<1	<1	--[21]
04/01/02	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--	<1	--	<1	<1	<1	<1	**10**	**9**	<1	<1	--[21]
10/19/02	<50	<0.50	<0.50	<0.50	1.6	<2.5	--	<1	--	<1	<1	<1	<1	**15**	**10**	<1	<1	<1-<2.0
04/16/03	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	<0.8	--	<0.8	<0.8	<1	<0.8	**9**	**9**	<0.8	<1	<0.8-<2
10/29/03[12]	<50	<0.5	1	<0.5	0.7	1	--	<0.8	--	<0.8	**1**	<1	<0.8	**20**	**9**	<0.8	<1	<0.5-<2
04/01/04	INACCESSIBLE - VEHICLE PARKED OVER WELL				--	--	--	--	--	--	--	--	--	--	--	--	--	--
10/01/04	INACCESSIBLE - VEHICLE PARKED OVER WELL				--	--	--	--	--	--	--	--	--	--	--	--	--	--

ATTACHMENT B
HISTORICAL GROUNDWATER ANALYTICAL RESULTS
Former Chevron Asphalt Plant and Bulk Terminal #206265
1520 Powell Street
Emeryville, California

WELL ID/ DATE	Fuel Related Hydrocarbon Compounds							Chlorinated Volatile Organic Compounds										
	TPH-G (µg/L)	BENZENE (µg/L)	TOLUENE (µg/L)	ETHYL BENZENE (µg/L)	XYLENE (µg/L)	MTBE (µg/L)	TPH-D (µg/L)	1,1-DCE (µg/L)	1,2-DCE (µg/L)	t-1,2-DCE (µg/L)	c-1,2-DCE (µg/L)	1,1-DCA (µg/L)	1,1,1-TCA (µg/L)	TCE (µg/L)	PCE (µg/L)	CF (µg/L)	VC (µg/L)	HVOCs (µg/L)
MW-18 (cont)																		
04/08/05[12]	<50	<0.5	<0.5	<0.5	<1.0	<0.5	--	<0.8	--	<0.8	**2**	<1	<0.8	**13**	**8**	**3**	<1	<0.5-<2
10/20/05	INACCESSIBLE - VEHICLE PARKED OVER WELL				--	--	--	--	--	--	--	--	--	--	--	--	--	--
04/20/06[12]	<50	<0.5	<0.5	<0.5	<1.0	<0.5	--	<0.8	--	<0.8	**3**	<1	<0.8	**27**	**7**	<0.8	<1	<0.8-<2
10/25/06[12]	<50	<0.5	<0.5	<0.5	<1.0	<0.5	--	<0.8	--	<0.8	**1**	<1	<0.8	**15**	**6**	<0.8	<1	<0.8-<2
04/13/07[12]	<50	<0.5	<0.5	<0.5	<1.0	<0.5	--	<0.8	--	<0.8	**1**	<1	<0.8	**15**	**7**	<0.8	<1	<0.8-<2
10/19/07[12]	<50	<0.5	<0.5	<0.5	<1.0	<0.5	--	<0.8	--	<08	<0.8	<1	<0.8	**9**	**6**	<0.8	<1	<0.8-<2
04/11/08[12]	<50	<0.5	<0.5	<0.5	<1.0	<0.5	--	<0.8	--	<0.8	**0.8**	<1	<0.8	**13**	**6**	<0.8	<1	<0.5-<2
10/17/08[12]	<50	<0.5	<0.5	<0.5	<1.0	<0.5	**--**	<0.8	--	<0.8	<0.8	<1	<0.8	**8**	**7**	<0.8	<1	<0.5-<2
04/30/09	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	<0.8	--	<0.8	**1**	<1	<0.8	**7**	**6**	<0.8	<1	ND
06/24/09	--	--	--	--	--	--	--	<0.8	--	<0.8	**1**	<1	<0.8	**8**	**6**	<0.8	<1	--
10/27/09	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	<0.8	--	<0.8	**0.8**	<1	<0.8	**6**	**7**	<0.8	<1	--
05/18/10	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<48	<0.8	**--**	<0.8	**1**	<1	<0.8	**16**	**7**	<0.8	<1	--
10/27/10	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<51	<0.8	**--**	<0.8	<0.8	<1	<0.8	**10**	**7**	<0.8	<1	--
06/07/11	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<48	<0.8	**--**	**1**	**2**	<1	<0.8	**28**	**7**	<0.8	<1	--
12/2/2011	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<51	<0.8	**--**	<0.8	<0.8	<1	<0.8	**12**	**6**	<0.8	<1	--
06/27/2012	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<49	<0.8	**--**	<0.8	**7**	<1	<0.8	**27**	**8**	<0.8	<1	--
MW-19A																		
11/06/95	420	<0.5	<0.5	<0.5	<0.5	<5.0	--	**1.0**	--	<1.0	**110**	<1.0	<1.0	**160**	**1,500**	<1.0	<1.0	ND
04/26/96	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	<5.0	--	<5.0	**140**	<5.0	<5.0	**200**	**990**	<5.0	<8.0	<5.0-<50
10/10/96	610[2]	<0.5	<0.5	<0.5	<0.5	21	--	<10	--	<10	**110**	<10	<10	**150**	**1,500**	<10	<16	ND
04/22/97	43[2]	<0.5	<0.5	<0.5	<0.5	<5.0	--	<5.0	--	**7.1**	**85**	**9.1**	<5.0	**150**	**830**	<5.0	<8.0	ND
10/16/97	380	<0.5	<0.5	<0.5	<0.5	22	--	**1.6**	--	**6.9**	**100**	**5.5**	<1.0	**130**	**660**	<1.0	**4.2**	ND[17]
05/04/98	200[2]	<0.5	<0.5	<0.5	<0.5	<2.0	--	<10	--	**13**	**80**	<10	<10	**230**	**500**	<10	<20	ND
10/27/98	170[2]	<0.5	<0.5	<0.5	<0.5	12/<2.0[7]	--	<25	--	<25	**70**	<25	<25	**80**	**910**	<25	<50	ND
11/04/99	290	<0.5	<0.5	<0.5	<0.5	26.8/<0.5[5,7]	--	<50	--	<50	<50	<50	<50	<50	**209**	<50	<50	ND
04/13/00	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	<25	--	<25	**68**	<25	<25	**140**	**1,100**	<25	<25	--[21]
10/05/00	130[10]	<0.50	<0.50	<0.50	<0.50	26/<2.0[9]	--	**2.5**	--	**9.5**	**50**	**5.5**	**1**	**82**	**940**	<1.0	**5**	--[22]
04/23/01	100[10]	<0.50	<0.50	<0.50	<0.50	3.4/<2.0[11]	--	**1.6**	--	**9.9**	**100**	**5.2**	<1.0	**180**	**690**	<1.0	**1.6**	--[21]
10/04/01	380	<0.50	<0.50	<0.50	<1.5	<2.5	--	**2**	--	**11**	**61**	**4**	<1	**130**	**720**	<1	**3**	--[23]
04/01/02	310	<0.50	<0.50	<0.50	<1.5	<2.5	--	<1	--	**7**	**71**	**2**	<1	**100**	**530**	<1	**2**	--[24]
10/19/02	300	<0.50	<0.50	<0.50	<1.5	<2.5	--	<1	--	**8**	**44**	**1**	<1	**130**	**600**	<1	**2**	<1-<3.0[25]
04/16/03	280	<0.5	<0.5	<0.5	<1.5	<2.5	--	<0.8	--	**6**	**69**	<1	<0.8	**82**	**570**	<0.8	**1**	<0.8-2[10]
10/29/03[12]	330	<0.5	<0.5	<0.5	<1	<0.5	--	<0.8	--	**8**	**47**	**1**	<0.8	**98**	**630**	<0.8	**2**	<0.5-<2[26]
04/01/04[12]	260	<0.5	<0.5	<0.5	<1	<0.5	--	<0.8	--	**5**	**54**	<1	<0.8	**78**	**660**	<0.8	<1	<0.5-<2
10/01/04[12]	260	<0.5	<0.7	<0.8	<1.6	<0.5	--	<0.8	--	**8**	**46**	<1	<0.8	**95**	**540**	<0.8	**1**	<0.5-<2[27]
04/08/05[12]	190	<0.5	<0.5	<0.5	<1.0	<0.5	--	<0.8	--	**4**	**48**	<1	<0.8	**51**	**370**	<0.8	<1	<0.5-<2[28]
10/20/05[12]	180	<0.5	<0.5	<0.5	<1.0	<0.5	--	<0.8	--	**5**	**26**	<1	<0.8	**77**	**350**	**2**	<1	<0.5-<2[29]
04/20/06[12]	180	<0.5	<0.5	<0.5	<1.0	<0.5	--	<0.8	--	**3**	**39**	<1	<0.8	**57**	**330**	<0.8	**2**	<0.5-<2[29]
10/25/06[12]	210	<0.5	<0.5	<0.5	<1.0	<0.5	--	<0.8	--	**4**	**24**	<1	<0.8	**54**	**370**	**2**	<1	<0.5-<2[30]
04/13/07[12]	290	<0.5	<0.5	<0.5	<1.0	<0.5	--	<0.8	--	**4**	**55**	<1	<0.8	**51**	**610**	<0.8	<1	<0.5-<2[31]
10/19/07[12]	200	<0.5	<0.5	<0.5	<1.0	<0.5	--	<0.8	--	**3**	**42**	<1	<0.8	**40**	**420**	<0.8	<1	<0.8-<2[32]
04/11/08[12]	300	<0.5	<0.5	<0.5	<1.0	<0.5	--	<0.8	--	**3**	**37**	<1	<0.8	**41**	**540**	<0.8	<1	<0.5-<2[31]
10/17/08[12]	240	<0.5	<0.5	<0.5	<1.0	<0.5	**--**	<0.8	--	**5**	**22**	<1	<0.8	**71**	**440**	**1**	<1	<0.5-<2[28]
04/30/09	200	<0.5	<0.5	<0.5	<1.0	<0.5	--	<0.8	--	**2**	**17**	<1	<0.8	**43**	**390**	<0.8	<1	ND
06/24/09	--	--	--	--	--	--	--	<0.8	--	**2**	**13**	<1	<0.8	**42**	**310**	<0.8	<1	--
10/27/09	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	<0.8	--	**4**	**42**	<1	<0.8	**57**	**490**	<0.8	<1	ND
05/19/10	**200**	<0.5	<0.5	<0.5	<0.5	<0.5	<50	<0.8	**--**	**4**	**100**	<1	<0.8	**54**	**400**	<0.8	**2**	--

ATTACHMENT B
HISTORICAL GROUNDWATER ANALYTICAL RESULTS
Former Chevron Asphalt Plant and Bulk Terminal #206265
1520 Powell Street
Emeryville, California

WELL ID/ DATE	Fuel Related Hydrocarbon Compounds							Chlorinated Volatile Organic Compounds										
	TPH-G (µg/L)	BENZENE (µg/L)	TOLUENE (µg/L)	ETHYL BENZENE (µg/L)	XYLENE (µg/L)	MTBE (µg/L)	TPH-D (µg/L)	1,1-DCE (µg/L)	1,2-DCE (µg/L)	t-1,2-DCE (µg/L)	c-1,2-DCE (µg/L)	1,1-DCA (µg/L)	1,1,1-TCA (µg/L)	TCE (µg/L)	PCE (µg/L)	CF (µg/L)	VC (µg/L)	HVOCs (µg/L)
MW-19A (cont'd)																		
10/27/10	**220**	<0.5	<0.5	<0.5	<0.5	<0.5	**56**	<0.8	**--**	**4**	**110**	<1	<0.8	**45**	**360**	<0.8	**2**	--
06/08/11	**130**	<0.5	<0.5	<0.5	<0.5	<0.5	<50	<0.8	**--**	**3**	**54**	<1	<0.8	**26**	**290**	<0.8	<1	--
11/30/2011	**240**	<0.5	<0.5	<0.5	<0.5	<0.5	<48	<0.8	**--**	**4**	**89**	<1	<0.8	**56**	**340**	<0.8	**1**	--
06/27/2012	**120**	<0.5	<0.5	<0.5	<0.5	<0.5	<49	<0.8	**--**	**2**	**73**	<1	<0.8	<1	<0.8	<0.8	**3**	--
MW-1																		
04/26/85	--	99	--	--	6.0	--	--	--	--	--	--	--	--	--	--	--	--	--
09/11/87	--	63	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
07/07/88	<100	55	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
04/13/89	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
04/14/89	<5,000	34	<5.0	<5.0	<10	--	--	<5.0	--	**19**	**720**	<5.0	<5.0	**11**	<5.0	<20	**340**	ND[1]
07/31/89	7,000	57	1.2	<0.2	1.6	--	--	**6.8**	--	**54**	**2,600**	**2.7**	**7.2**	**57**	<0.2	<1.0	**760**	ND[2]
12/08/89	--	26	0.4	0.9	2.0	--	--	**4.3**	**2,700**	--	--	**1.7**	**1.4**	**59**	<0.5	<0.5	**520**	--
03/21/90	3,500	120	9.0	3.0	3.0	--	--	**7.1**	**7,000**	--	--	**2.1**	**1.1**	**130**	<0.5	<0.5	**1,100**	--
06/19/90	2,700	100	<0.3	<0.3	7.0	--	--	**12**	**6,100**	--	--	**3.1**	<0.5	**81**	<0.5	<0.5	**1,200**	--
09/20/90	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
09/21/90	2,200	120	2.0	2.0	0.79	--	--	**1.8**	**2,400**	--	--	**2.2**	**1.7**	**60**	<0.5	<0.5	**1,100**	ND[3]
12/28/90	720	44	2.0	<0.5	9.0	--	--	**2.0**	--	**28**	**1,500**	**1.0**	**0.6**	**15**	<0.5	<0.5	**510**	ND[4]
05/10/91	530	47	2.0	0.5	8.0	--	--	**10**	--	**69**	**5,500**	**2.0**	<0.5	**280**	<0.5	<0.5	**1,800**	ND[5]
08/08/91	1,400	37	8.3	3.7	12	--	--	**2.9**	--	**45**	**2,300**	**1.5**	<0.5	**110**	<0.5	<0.5	<1.0	ND[6]
11/27/91	840	16	7.1	4.5	11	--	--	<25	--	<25	**5,900**	<25	<25	<25	<25	<25	**540**	<25
01/29/92	350	18	9.3	3.7	7.7	--	--	<25	--	**26**	**1,900**	<25	<25	<25	<25	<25	**320**	<25
03/26/92	420[2]	19	2.2	1.2	4.0	--	--	<50	--	<50	**1,500**	<50	<50	<50	<50	<50	**260**	<50
07/23/92	4,000[2]	50	82	40	160	--	--	<50	--	<50	**2,300**	<50	<50	<50	<50	<50	**170**	<50
10/28/92	980	36	6.7	3.0	10	--	--	**4.2**	--	**30**	**1,600**	3.6	<0.5	**16**	<0.5	<0.5	**810**	ND
05/04/93	650	9.4	2.4	1.2	4.5	--	--	**1.0**	--	**16**	**670**	0.5	<0.5	**9.2**	<0.5	<0.5	**110**	<0.5
01/05/94	INACCESSIBLE		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
05/13/94	PAVED OVER		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
DECOMMISSIONED AND NOT MONITORED/SAMPLED WELLS																		
MW-2																		
04/26/85	--	<10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
09/11/87	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
07/07/88	<100	<5.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
04/13/89	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
04/14/89	<100	<0.2	<0.2	<0.2	<0.4	--	--	<0.2	<0.2	--	--	<0.2	<0.2	<0.2	<0.2	<1.0	<0.2	--
07/31/89	<100	<0.2	<1.0	<0.2	<0.4	--	--	<0.2	<0.2	--	--	<0.4	0.5	<0.2	<0.2	<1.0	<0.2	--
12/08/89	--	<0.3	<0.3	<0.3	<0.6	--	--	<0.2	<0.5	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	--
03/21/90	<50	<0.3	<0.3	<0.3	<0.6	--	--	<0.2	<0.5	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	--
06/19/90	<50	<0.3	<0.3	<0.3	<0.6	--	--	<0.2	<0.5	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	--
09/20/90	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
09/21/90	<50	<1.5	<1.5	<1.5	<4.5	--	--	<0.2	<0.5	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	--
12/28/90	<50	<0.5	<0.5	<0.5	<0.5	--	--	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	--
05/10/91	<50	<0.5	<0.5	<0.5	<0.5	--	--	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	ND
08/08/91	--	--	--	--	--	--	--	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	ND
11/27/91	<50	<0.5	<0.5	<0.5	<0.5	--	--	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	ND
01/29/92	<50	<0.5	<0.5	<0.5	<0.5	--	--	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	ND
03/26/92	<50	<0.5	<0.5	<0.5	<0.5	--	--	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	ND
07/23/92	<50	<0.5	<0.5	<0.5	0.8	--	--	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

ATTACHMENT B
HISTORICAL GROUNDWATER ANALYTICAL RESULTS
Former Chevron Asphalt Plant and Bulk Terminal #206265
1520 Powell Street
Emeryville, California

WELL ID/ DATE	Fuel Related Hydrocarbon Compounds							Chlorinated Volatile Organic Compounds										
	TPH-G (µg/L)	BENZENE (µg/L)	TOLUENE (µg/L)	ETHYL BENZENE (µg/L)	XYLENE (µg/L)	MTBE (µg/L)	TPH-D (µg/L)	1,1-DCE (µg/L)	1,2-DCE (µg/L)	t-1,2-DCE (µg/L)	c-1,2-DCE (µg/L)	1,1-DCA (µg/L)	1,1,1-TCA (µg/L)	TCE (µg/L)	PCE (µg/L)	CF (µg/L)	VC (µg/L)	HVOCs (µg/L)
MW-2 (cont)																		
10/28/92	55	1.3	6.9	1.1	5.1	--	--	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	ND
05/04/93	INACCESSIBLE		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
01/05/94	INACCESSIBLE		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
05/13/94	INACCESSIBLE							--	--	--	--	--	--	--	--	--	--	--
10/24/94	INACCESSIBLE		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
04/19/95	INACCESSIBLE		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
DECOMMISSIONED AND NOT MONITORED/SAMPLED WELLS																		
MW-2A																		
11/06/95	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	<1.0	--	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	ND
04/26/96	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.8	<0.5-<5.0
10/10/96	60[2]	<0.5	<0.5	<0.5	<0.5	<5.0	--	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.8	ND
04/22/97	<50	0.8	<0.5	<0.5	<0.5	<5.0	--	<2.5	--	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<4.0	ND
10/16/97	80	<0.5	<0.5	<0.5	<0.5	<5.0	--	<1.0	--	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<0.5	ND
05/04/98	96[2]	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	ND
10/27/98	170[2]	<0.5	<0.5	<0.5	9.6	44/<2.0[7]	--	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	ND
04/15/99	116	0.609	<0.5	<0.5	<0.5	<5.0	--	<1.25	--	<1.25	<1.25	<1.25	<1.25	<1.25	<1.25	<1.25	<2.50	ND
11/04/99	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	ND
DECOMMISSIONED AND NOT MONITORED/SAMPLED WELLS																		
MW-3																		
04/26/85	--	<10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
09/11/87	--	<0.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
07/07/88	<100	<5.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
04/13/89	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
04/14/89	<100	<0.2	<0.2	<0.2	<0.4	--	<3,000,000	<0.2	<0.2	--	--	<0.2	<0.2	<0.2	<0.2	<1.0	<0.2	--
07/31/89	<100	<0.2	<1.0	<0.2	<0.4	--	--	<0.2	<0.2	--	--	<0.4	0.5	<0.2	<0.2	<1.0	<0.2	--
12/08/89	--	<0.3	<0.3	<0.3	<0.6	--	--	<0.2	<0.5	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	--
03/21/90	<50	<0.3	<0.3	<0.3	<0.6	--	--	<0.2	<0.5	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	--
06/19/90	--	--	--	--	--	--	--	<0.2	<0.5	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	--
09/20/90	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
09/21/90	<50	<0.3	<0.3	<0.3	<0.6	--	--	<0.2	<0.5	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	--
12/28/90	<50	<0.5	<0.5	<0.5	<0.5	--	--	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	--
05/10/91	<50	<0.5	<0.5	<0.5	<0.5	--	--	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	ND
08/08/91	<50	<0.5	<0.5	<0.5	<0.5	--	--	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	ND
11/27/91	<50	<0.5	<0.5	<0.5	<0.5	--	--	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	ND
01/29/92	<50	<0.5	<0.5	<0.5	<0.5	--	--	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	ND
03/26/92	<50	<0.5	<0.5	<0.5	<0.5	--	--	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	ND
07/23/92	<50	<0.5	<0.5	<0.5	<0.5	--	--	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
10/28/92	92	1.8	12	2.0	10	--	--	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	ND
05/04/93	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
01/05/94	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
05/13/94	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
DECOMMISSIONED AND NOT MONITORED/SAMPLED WELLS																		
MW-4																		
04/26/85	3,100	<10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
09/11/87	--	<0.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
07/07/88	<100	<5.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
04/13/89	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

ATTACHMENT B
HISTORICAL GROUNDWATER ANALYTICAL RESULTS
Former Chevron Asphalt Plant and Bulk Terminal #206265
1520 Powell Street
Emeryville, California

WELL ID/ DATE	Fuel Related Hydrocarbon Compounds							Chlorinated Volatile Organic Compounds										
	TPH-G (µg/L)	BENZENE (µg/L)	TOLUENE (µg/L)	ETHYL BENZENE (µg/L)	XYLENE (µg/L)	MTBE (µg/L)	TPH-D (µg/L)	1,1-DCE (µg/L)	1,2-DCE (µg/L)	t-1,2-DCE (µg/L)	c-1,2-DCE (µg/L)	1,1-DCA (µg/L)	1,1,1-TCA (µg/L)	TCE (µg/L)	PCE (µg/L)	CF (µg/L)	VC (µg/L)	HVOCs (µg/L)
MW-4 (cont)																		
04/14/89	380[1]	<0.5	<1.0	<1.0	<1.0	--	<3,000,000	<1.0	<1.0	--	--	**2**	<1.0	<1.0	<1.0	<2.0	<1.0	--
DECOMMISSIONED AND NOT MONITORED/SAMPLED WELLS																		
MW-5																		
04/26/85	1,600	<100	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
09/11/87	--	<10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
07/07/88	<100	<5.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
04/13/89	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
04/14/89	4,300[1]	<0.5	<1.0	<1.0	<1.0	--	<3,000,000	<1.0	<1.0	--	--	**2**	<1.0	<1.0	<1.0	<2.0	<1.0	--
DECOMMISSIONED AND NOT MONITORED/SAMPLED WELLS																		
MW-6																		
04/26/85	580	<100	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
09/11/87	--	<10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
07/07/88	8,000	<5.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
04/13/89	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
04/14/89	3,300[1]	<0.5	<1.0	<1.0	<1.0	--	<3,000,000	<1.0	<1.0	--	--	**2**	<1.0	<1.0	<1.0	<2.0	<1.0	--
DECOMMISSIONED AND NOT MONITORED/SAMPLED WELLS																		
MW-7																		
04/26/85	700	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
09/11/87	--	<10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
07/07/88	17,000	<5.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
04/13/89	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
04/14/89	<50	<0.5	<1.0	<1.0	<1.0	--	<3,000,000	<1.0	<1.0	--	--	**1**	**1**	<1.0	<1.0	<2.0	<1.0	--
07/31/89	160[1]	<0.1	<0.5	<0.1	<0.2	--	--	<0.1	**0.3**	--	--	**0.3**	**4.5**	<0.1	<0.1	<0.5	<0.1	ND[7]
07/31/89	100[1]	<0.1	<0.5	<0.1	<0.2	--	--	<0.1	**0.4**	--	--	**0.2**	**2.6**	<0.1	<0.1	<0.5	<0.1	ND[7]
12/08/89	--	<0.3	<0.3	<0.3	<0.6	--	--	<0.2	<0.5	--	--	<0.5	**0.67**	<0.5	<0.5	<0.5	<1.0	--
03/21/90	<50	<0.3	<0.3	<0.3	0.6	--	--	<0.2	<0.5	--	--	<0.5	**1.4**	<0.5	<0.5	<0.5	<1.0	--
06/19/90	<50	<0.3	<0.3	<0.3	0.6	--	--	<0.2	<0.5	--	--	<0.5	**0.67**	<0.5	<0.5	<0.5	<1.0	--
09/20/90	--	--	--	--	--	--	--	<0.2	<0.5	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	--
09/21/90	<50	1.5	<0.3	<0.3	<0.6	--	--	--	--	--	--	--	--	--	--	--	--	--
12/28/90	<50	0.7	<0.5	<0.5	0.7	--	--	<0.5	--	<0.5	<0.5	<0.5	**0.9**	<0.5	<0.5	<0.5	<1.0	--
05/10/91	<50	<0.5	<0.5	<0.5	<0.5	--	--	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	ND
08/08/91	<50	<0.5	<0.5	<0.5	<0.5	--	--	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	ND
11/27/91	<50	<0.5	<0.5	<0.5	<0.5	--	--	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	ND
01/29/92	<50	<0.5	<0.5	<0.5	0.9	--	--	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	ND
03/26/92	<50	<0.5	<0.5	<0.5	0.9	--	--	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	ND
07/23/92	<50	<0.5	<0.5	<0.5	<0.5	--	--	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
10/28/92	<50	<0.5	<0.5	<0.5	<0.5	--	--	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	ND
05/04/93	INACCESSIBLE		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
01/05/94	INACCESSIBLE		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
05/13/94	<50	<0.5	<0.5	<0.5	<0.5	--	--	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5-<1.0
10/24/94	<50	<0.5	<0.5	<0.5	<0.5	--	--	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5-<1.0
04/19/95	<50	<0.5	<0.5	<0.5	<0.5	--	--	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
11/06/95	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	<1.0	--	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	ND
04/26/96	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.8	<0.5-<5.0
10/10/96	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	ND
04/22/97	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.8	ND
10/16/97	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	<1.0	--	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<0.5	ND

ATTACHMENT B
HISTORICAL GROUNDWATER ANALYTICAL RESULTS
Former Chevron Asphalt Plant and Bulk Terminal #206265
1520 Powell Street
Emeryville, California

WELL ID/ DATE	Fuel Related Hydrocarbon Compounds							Chlorinated Volatile Organic Compounds										
	TPH-G (µg/L)	BENZENE (µg/L)	TOLUENE (µg/L)	ETHYL BENZENE (µg/L)	XYLENE (µg/L)	MTBE (µg/L)	TPH-D (µg/L)	1,1-DCE (µg/L)	1,2-DCE (µg/L)	t-1,2-DCE (µg/L)	c-1,2-DCE (µg/L)	1,1-DCA (µg/L)	1,1,1-TCA (µg/L)	TCE (µg/L)	PCE (µg/L)	CF (µg/L)	VC (µg/L)	HVOCs (µg/L)
MW-7 (cont'd)																		
05/04/98	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	ND
10/27/98	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	ND
04/15/99	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	ND
11/04/99	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	ND
04/13/00	INACCESSIBLE		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
10/05/00	UNABLE TO LOCATE - WELL BURIED DURING CONSTRUCTION						--	--	--	--	--	--	--	--	--	--	--	--
04/23/01	UNABLE TO LOCATE - WELL BURIED DURING CONSTRUCTION						--	--	--	--	--	--	--	--	--	--	--	--
10/04/01	UNABLE TO LOCATE - WELL BURIED DURING CONSTRUCTION						--	--	--	--	--	--	--	--	--	--	--	--
04/01/02	UNABLE TO LOCATE - WELL BURIED DURING CONSTRUCTION						--	--	--	--	--	--	--	--	--	--	--	--
10/19/02	UNABLE TO LOCATE - WELL BURIED DURING CONSTRUCTION						--	--	--	--	--	--	--	--	--	--	--	--
04/16/03	UNABLE TO LOCATE - WELL BURIED DURING CONSTRUCTION						--	--	--	--	--	--	--	--	--	--	--	--
10/29/03	UNABLE TO LOCATE - WELL BURIED DURING CONSTRUCTION						--	--	--	--	--	--	--	--	--	--	--	--
UNABLE TO LOCATE - WELL BURIED DURING CONSTRUCTION																		
MW-8																		
04/26/85	--	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
09/11/87	--	<10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
07/07/88	20,000	<5.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
04/13/89	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
04/14/89	<50	<0.5	<1.0	<1.0	<1.0	<3,000	<3,000,000	<1.0	<1.0	--	--	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	--
07/31/89	<50	<0.1	<0.5	<0.1	<0.2	--	--	<0.1	**--**	**0.6**	**1.9**	**1.7**	**1.7**	**0.4**	<0.1	<0.5	1.2	ND
12/08/89	--	<0.3	<0.3	<0.3	<0.6	--	--	<0.2	**0.53**	**--**	**--**	<0.5	**0.84**	<0.5	<0.5	<0.5	<1.0	--
03/21/90	<50	<0.3	<0.3	<0.3	<0.6	--	--	<0.2	**0.96**	**--**	**--**	<0.5	**0.72**	<0.5	<0.5	<0.5	<1.0	--
06/19/90	<50	<0.3	<0.3	<0.3	<0.6	--	--	<0.2	**0.59**	--	--	<0.5	**0.67**	<0.5	<0.5	<0.5	<1.0	--
09/20/90	--	--	--	--	--	--	--	<0.2	<0.5	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	--
09/21/90	<50	6.0	<0.3	<0.3	<0.6	--	--	<0.5	--	<0.5	<0.5	<0.5	**2.0**	<0.5	<0.5	<0.5	<1.0	--
12/28/90	<50	<0.5	<0.5	<0.5	<0.5	--	--	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	ND
05/10/91	<50	<0.5	<0.5	<0.5	<0.5	--	--	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	ND
08/08/91	<50	<0.5	<0.5	<0.5	<0.5	--	--	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	ND
11/27/91	<50	<0.5	<0.5	<0.5	<0.5	--	--	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	ND
03/26/92	<50	<0.5	<0.5	<0.5	0.7	--	--	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	ND
07/23/92	<50	<0.5	<0.5	<0.5	<0.5	--	--	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
10/28/92	INACCESSIBLE		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
05/04/93	INACCESSIBLE		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
01/05/94	INACCESSIBLE		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
05/13/94	<50	<0.5	<0.5	<0.5	<0.5	--	--	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5-<1.0
10/24/94	INACCESSIBLE		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
04/19/95[3]	INACCESSIBLE		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
11/06/95	INACCESSIBLE		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
04/26/96	INACCESSIBLE		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
10/10/96	INACCESSIBLE		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
04/22/97	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.8	ND
10/16/97	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	<1.0	--	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<0.5	ND
05/04/98	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	ND
10/27/98	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	ND
04/15/99	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	ND
11/04/99	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	ND
DECOMMISSIONED AND NOT MONITORED/SAMPLED WELLS																		

ATTACHMENT B
HISTORICAL GROUNDWATER ANALYTICAL RESULTS
Former Chevron Asphalt Plant and Bulk Terminal #206265
1520 Powell Street
Emeryville, California

WELL ID/ DATE	Fuel Related Hydrocarbon Compounds							Chlorinated Volatile Organic Compounds										
	TPH-G (µg/L)	BENZENE (µg/L)	TOLUENE (µg/L)	ETHYL BENZENE (µg/L)	XYLENE (µg/L)	MTBE (µg/L)	TPH-D (µg/L)	1,1-DCE (µg/L)	1,2-DCE (µg/L)	t-1,2-DCE (µg/L)	c-1,2-DCE (µg/L)	1,1-DCA (µg/L)	1,1,1-TCA (µg/L)	TCE (µg/L)	PCE (µg/L)	CF (µg/L)	VC (µg/L)	HVOCs (µg/L)
MW-9																		
04/26/85	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
09/11/87	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
07/07/88	400	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
05/10/91	UNABLE TO LOCATE		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
DECOMMISSIONED AND NOT MONITORED/SAMPLED WELLS																		
MW-10																		
07/07/88	--	<5.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
04/14/89	<50	<0.5	<1.0	<1.0	<1.0	--	<3,000,000	<1.0	**15**	--	--	**2.0**	<1.0	**5.0**	<1.0	<2.0	<1.0	--
07/31/89	<50	<0.1	<0.5	<0.1	<0.2	--	--	**0.7**	--	**6.3**	**27**	**2.9**	<0.1	**5.3**	<0.1	<0.5	<0.1	ND
12/08/89	--	<0.3	<0.3	<0.3	<0.6	--	--	<0.2	**24**	--	--	**3.1**	<0.5	**4.9**	<0.5	**0.6**	<1.0	--
03/21/90	<50	<0.3	<0.3	<0.3	<0.6	--	--	**0.7**	**30**	--	--	**2.5**	<0.5	**3.5**	<0.5	<0.5	<1.0	--
06/19/90	<50	<0.3	<0.3	<0.3	<0.6	--	--	**0.3**	**33**	--	--	**2.6**	<0.5	**6.3**	<0.5	<0.5	<1.0	--
09/20/90	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
09/21/90	<50	<0.3	<0.3	<0.3	<0.6	--	--	<0.2	**32**	--	--	**5.0**	<0.5	**5.9**	<0.5	<0.5	<1.0	--
12/28/90	<50	<0.5	<0.5	<0.5	<0.5	--	--	<0.5	--	**6.0**	**19**	**2.0**	<0.5	**5.0**	<0.5	<0.5	<1.0	--
05/10/91	<50	<0.5	<0.5	<0.5	<0.5	--	--	**0.6**	--	**7.0**	**24**	**2.0**	<0.5	**6.0**	<0.5	<0.5	<1.0	ND
08/08/91	<50	<0.5	<0.5	<0.5	<0.5	--	--	<0.5	--	**7.0**	**33**	**3.1**	<0.5	**6.2**	<0.5	<0.5	<1.0	ND
11/27/91	<50	<0.5	<0.5	<0.5	<0.5	--	--	<0.5	--	**6.8**	**100**	<0.5	<0.5	**8.5**	<0.5	<0.5	<1.0	ND
01/29/92	<50	<0.5	<0.5	<0.5	<0.5	--	--	<0.5	--	**9.1**	**30**	**2.8**	<0.5	**7.4**	<0.5	<0.5	<1.0	ND
03/26/92	<50	<0.5	<0.5	<0.5	<0.5	--	--	**0.7**	--	**9.2**	**29**	**2.5**	<0.5	**6.8**	<0.5	<0.5	<1.0	ND
07/23/92	<50	<0.5	1.8	0.5	1.9	--	--	<0.5	--	**6.1**	**21**	**1.5**	<0.5	**4.7**	<0.5	<0.5	<0.5	<0.5
10/28/92	<50	0.6	0.7	<0.5	1.2	--	--	<0.5	--	**4.3**	**16**	**2.1**	<0.5	**4.1**	<0.5	<0.5	<1.0	ND
05/04/93	INACCESSIBLE		--	--	--	--	--	--	--	**--**	**--**	**--**	--	**--**	--	--	--	--
01/05/94	<50	<0.5	<0.5	<0.5	0.6	--	--	<0.5	--	**1.3**	**5.2**	**0.5**	**1.0**	**0.8**	<0.5	<0.5	<1.0	<0.5
05/13/94	140	<0.5	<0.5	<0.5	1.3	--	--	<0.5	--	**12**	**31**	**2.7**	<0.5	**4.8**	<0.5	<0.5	<0.5	<0.5-<1.0
10/24/94	<50	<0.5	<0.5	<0.5	<0.5	--	--	<10	--	**13**	**44**	<10	<10	<10	<10	<10	<10	<10-<20
04/19/95	<50	<0.5	<0.5	<0.5	<0.5	--	--	**0.7**	--	**14**	**36**	<0.5	<0.5	**9.2**	<0.5	<0.5	<0.5	<0.5
11/06/95	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	**1.0**	--	**19**	**41**	**1.4**	<1.0	**14**	<1.0	<1.0	<1.0	ND
04/26/96	INACCESSIBLE		--	--	--	--	--	--	--	--	**--**	**--**	--	--	--	--	--	--
10/10/96	<50	<0.5	<0.5	<0.5	0.6	34/<5.0[8]	--	**0.7**	--	**17**	**38**	**0.8**	<0.5	**14**	<0.5	<0.5	<0.8	ND
04/22/97	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	<0.5	--	**12**	**27**	**0.5**	<0.5	**13**	<0.5	<0.5	<0.8	ND
10/16/97	<50	<0.5	<0.5	<0.5	<0.5	34	--	<1.0	--	**11**	**23**	<1.0	<1.0	<10	<1.0	<1.0	**0.7**	ND
05/04/98	<50	<0.5	<0.5	<0.5	<0.5	--[4]	--	<0.5	--	**6.5**	**16**	<0.5	<0.5	**7.6**	<0.5	<0.5	<1.0	ND
10/27/98	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	<0.5	--	**7.7**	**18**	**0.54**	<0.5	**9.6**	<0.5	<0.5	<1.0	ND
04/15/99	<50	<0.5	<0.5	<0.5	<0.5	9.45	--	<0.5	--	**8.32**	**19.1**	**0.603**	<0.5	**11.3**	<0.5	<0.5	<1.0	ND
11/04/99	<50	<0.5	<0.5	<0.5	<0.5	21	--	<0.5	--	**5.17**	**13.8**	<0.5	<0.5	**8.23**	<0.5	<0.5	<0.5	ND
DECOMMISSIONED AND NOT MONITORED/SAMPLED WELLS																		
MW-11																		
07/07/88	--	<5.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
04/14/89	<50	<0.5	<1.0	<1.0	<1.0	<3,000	--	<1.0	**120**	--	--	<1.0	<1.0	**4.0**	<1.0	<2.0	**10**	--
07/31/89	<100	<0.2	<0.2	<0.2	<0.2	--	--	**0.9**	**--**	**40**	**110**	**2.2**	**1.4**	**2.9**	<0.2	<0.2	<0.2	ND
12/08/89	--	<0.3	<0.3	<0.3	<0.6	--	--	**0.5**	**120**	**--**	**--**	**2.1**	**1.2**	**4.1**	<0.5	<0.5	**2.4**	--
03/21/90	<50	<0.3	<0.3	<0.3	<0.6	--	--	**1.3**	**150**	**--**	**--**	**1.2**	**1.7**	**3.5**	<0.5	<0.5	**4.3**	ND[8]
06/19/90	<50	<0.3	<0.3	<0.3	<0.6	--	--	**0.068**	**140**	**--**	**--**	**1.3**	<0.5	**5.0**	<0.5	<0.5	**1.0**	--
09/20/90	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
09/21/90	<50	<0.3	<0.3	<0.3	<0.6	--	--	<0.2	**100**	**--**	**--**	**1.1**	<0.5	**3.8**	<0.5	<0.5	<1.0	--
12/28/90	<50	<0.5	<0.5	<0.5	<0.5	--	--	<0.5	--	**23**	**43**	**0.9**	0.7	**3.0**	<0.5	<0.5	<1.0	--

ATTACHMENT B
HISTORICAL GROUNDWATER ANALYTICAL RESULTS
Former Chevron Asphalt Plant and Bulk Terminal #206265
1520 Powell Street
Emeryville, California

WELL ID/ DATE	Fuel Related Hydrocarbon Compounds							Chlorinated Volatile Organic Compounds										
	TPH-G (µg/L)	BENZENE (µg/L)	TOLUENE (µg/L)	ETHYL BENZENE (µg/L)	XYLENE (µg/L)	MTBE (µg/L)	TPH-D (µg/L)	1,1-DCE (µg/L)	1,2-DCE (µg/L)	t-1,2-DCE (µg/L)	c-1,2-DCE (µg/L)	1,1-DCA (µg/L)	1,1,1-TCA (µg/L)	TCE (µg/L)	PCE (µg/L)	CF (µg/L)	VC (µg/L)	HVOCs (µg/L)
MW-11 (cont'd)																		
08/08/91	<50	<0.5	<0.5	<0.5	<0.5	--	--	<0.5	--	**29**	**77**	**0.9**	<0.5	**2.4**	<0.5	<0.5	<1.0	ND
11/27/91	<50	<0.5	<0.5	<0.5	<0.5	--	--	<0.5	--	**34**	**240**	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	ND
01/29/92	<50	<0.5	<0.5	<0.5	<0.5	--	--	<5.0	--	**33**	**91**	<5.0	<5.0	<5.0	<5.0	<5.0	<10	ND
03/26/92	<50	<0.5	<0.5	<0.5	<0.5	--	--	<2.5	--	**21**	**51**	<2.5	<2.5	<2.5	<2.5	<2.5	<5.0	ND
07/23/92	<50	<0.5	<0.5	<0.5	<0.5	--	--	<0.5	--	**18**	**46**	**0.6**	<0.5	**1.4**	<0.5	<0.5	<0.5	<0.5
10/28/92	<50	<0.5	<0.5	<0.5	<0.5	--	--	**0.5**	--	**36**	**80**	<0.5	<0.5	**4.6**	<0.5	<0.5	<1.0	ND
05/04/93	INACCESSIBLE		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
01/05/94	INACCESSIBLE		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
05/13/94	<50	<0.5	<0.5	<0.5	<0.5	--	--	<0.5	--	**62**	**82**	<0.5	<0.5	**7.9**	<0.5	<0.5	**1.7**	<0.5-<1.0
10/24/94	<50	<0.5	<0.5	<0.5	<0.5	--	--	<10	--	**28**	**75**	<10	<10	<10	<10	<10	<10	<10-<20
04/19/95	58[2]	0.6	<0.5	<0.5	0.5	--	--	<0.5	--	**18**	**39**	<0.5	<0.5	**6.5**	<0.5	**1.0**	<0.5	ND[9]
11/06/95	INACCESSIBLE		--	--	--	--	--	--	--	**--**	**--**	--	--	--	--	--	--	--
04/26/96	INACCESSIBLE		--	--	--	--	--	--	--	**--**	**--**	--	--	--	--	--	--	--
10/10/96	INACCESSIBLE		--	--	--	--	--	--	--	**--**	**--**	--	--	--	--	--	--	--
04/22/97	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	<0.5	--	**4.7**	**12**	<0.5	<0.5	**3.0**	<0.5	<0.5	<0.8	ND
10/16/97	<50	<0.5	<0.5	<0.5	<0.5	18	--	<1.0	--	**5.1**	**24**	<1.0	<1.0	<10	<1.0	<1.0	**3.7**	ND
05/04/98	<50	<0.5	<0.5	<0.5	<0.5	--[4]	--	<0.5	--	**4.2**	**12**	<0.5	<0.5	**2.8**	<0.5	<0.5	<1.0	ND
10/27/98	<50	<0.5	<0.5	<0.5	<0.5	12/<2.0[7]	--	<0.5	--	**2.7**	**8.3**	<0.5	<0.5	**1.8**	<0.5	<0.5	<1.0	ND
04/15/99	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	<0.5	--	**3.29**	**10.1**	<0.5	<0.5	**2.87**	<0.5	<0.5	<1.0	ND
11/04/99	<50	<0.5	<0.5	<0.5	<0.5	9.88	--	<0.5	--	**2.29**	**7.36**	<0.5	<0.5	**2.19**	<0.5	<0.5	<0.5	ND
DECOMMISSIONED AND NOT MONITORED/SAMPLED WELLS																		
MW-12																		
07/07/88	<100	<5.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
04/14/89	<50	<0.5	<1.0	<1.0	<1.0	--	<3,000,000	<1.0	**1.0**	--	--	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	--
07/31/89	<100	<0.1	<0.5	<0.1	<0.2	--	--	<0.1	**1.7**	--	--	<0.1	<0.1	**0.8**	<0.1	<0.5	<0.1	ND
12/08/89	--	<0.3	<0.3	<0.3	<0.6	--	--	<0.2	<0.5	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	--
03/21/90	<50	<0.3	<0.3	<0.3	<0.3	--	--	<0.2	<0.5	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	--
06/19/90	<50	<0.3	<0.3	<0.3	<0.3	--	--	<0.2	<0.5	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	--
09/20/90	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
09/21/90	<50	<0.3	<0.3	<0.3	<0.3	--	--	<0.2	<0.5	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	--
12/28/90	<50	<0.5	<0.5	<0.5	<0.5	--	--	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	--
05/10/91	<50	<0.5	<0.5	<0.5	<0.5	--	--	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	ND
08/08/91	<50	<0.5	<0.5	<0.5	<0.5	--	--	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**0.9**	<1.0	ND
11/27/91	<50	<0.5	<0.5	<0.5	<0.5	--	--	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	ND
01/29/92	<50	<0.5	<0.5	<0.5	1.0	--	--	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	ND
03/26/92	<50	<0.5	<0.5	<0.5	<0.5	--	--	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	ND
07/23/92	UNABLE TO LOCATE		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
DECOMMISSIONED AND NOT MONITORED/SAMPLED WELLS																		
MW-13																		
03/21/90	480	<0.3	<0.3	1.0	5.0	--	--	<0.2	<0.5	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	--
06/19/90	180	<0.3	<0.3	0.8	3.0	--	--	<0.2	<0.5	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	--
09/20/90	150	<0.3	<0.3	<0.3	0.54	--	--	<0.2	<0.5	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	--
12/28/90	160	<0.5	<0.5	<0.5	1.0	--	--	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	--
05/10/91	110	<0.5	<0.5	<0.5	2.0	--	--	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	ND[10]
08/08/91[3]	220	<0.5	<0.5	<0.5	1.8	--	--	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	ND
11/27/91	70	<0.5	<0.5	<0.5	1.2	--	--	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	ND
01/29/92	150	<0.5	<0.5	3.1	7.1	--	--	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	ND

ATTACHMENT B
HISTORICAL GROUNDWATER ANALYTICAL RESULTS
Former Chevron Asphalt Plant and Bulk Terminal #206265
1520 Powell Street
Emeryville, California

WELL ID/ DATE	Fuel Related Hydrocarbon Compounds							Chlorinated Volatile Organic Compounds										
	TPH-G (µg/L)	BENZENE (µg/L)	TOLUENE (µg/L)	ETHYL BENZENE (µg/L)	XYLENE (µg/L)	MTBE (µg/L)	TPH-D (µg/L)	1,1-DCE (µg/L)	1,2-DCE (µg/L)	t-1,2-DCE (µg/L)	c-1,2-DCE (µg/L)	1,1-DCA (µg/L)	1,1,1-TCA (µg/L)	TCE (µg/L)	PCE (µg/L)	CF (µg/L)	VC (µg/L)	HVOCs (µg/L)
MW-13 (cont'd)																		
03/26/92	<50	<0.5	<0.5	<0.5	<0.5	--	--	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	ND
07/23/92	190	<0.5	<0.5	<0.5	2.1	--	--	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
10/28/92	190	<0.5	<0.5	<0.5	2.0	--	--	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	ND
05/04/93	INACCESSIBLE		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
01/05/94	INACCESSIBLE		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
05/13/94	220	<0.5	1.2	<0.5	1.7	--	--	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5-<1.0
10/24/94	<50	<0.5	<0.5	<0.5	<0.5	--	--	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5-<1.0
04/19/95	140[2]	<0.5	<0.5	<0.5	1.2	--	--	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
11/06/95	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	<1.0	--	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	ND
04/26/96	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.8	<0.5-<5.0
10/10/96	INACCESSIBLE		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
04/22/97	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.8	ND
10/16/97	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	<1.0	--	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<0.5	ND
05/04/98	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	ND
10/27/98	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	ND
04/15/99	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
11/04/99	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	ND
DECOMMISSIONED AND NOT MONITORED/SAMPLED WELLS																		
MW-14																		
03/21/90	170	<0.3	<0.3	<0.4	2.0	--	--	<2.0	<0.5	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	--
06/19/90	--	--	--	--	--	--	--	<2.0	<0.5	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	--
09/20/90	<50	<0.3	<0.3	<0.3	<0.6	--	--	<2.0	<0.5	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	--
12/28/90	<50	<0.5	<0.5	<0.5	<0.5	--	--	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	--
05/10/91	<50	<0.5	<0.5	<0.5	<0.5	--	--	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	ND
08/08/91	<50	<0.5	<0.5	<0.5	<0.5	--	--	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	ND
11/27/91	<50	<0.5	<0.5	<0.5	<0.5	--	--	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	ND
01/29/92	<50	<0.5	<0.5	<0.5	<0.5	--	--	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	ND
03/26/92	<50	<0.5	<0.5	<0.5	<0.5	--	--	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	ND
07/23/92	<50	0.6	<0.5	<0.5	0.8	--	--	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
10/28/92	56	0.7	4.0	0.8	3.8	--	--	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	ND
DECOMMISSIONED AND NOT MONITORED/SAMPLED WELLS																		
MW-15																		
03/21/90	<50	<0.3	<0.3	<0.3	<0.6	--	--	<0.2	<0.5	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	--
06/19/90	<50	<0.3	<0.3	<0.3	<0.6	--	--	<0.2	<0.5	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	--
09/20/90	<50	<0.3	<0.3	<0.3	<0.6	--	--	<0.2	<0.5	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	--
12/28/90	<50	<0.5	<0.5	<0.5	<0.5	--	--	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	--
05/10/91	<50	<0.5	<0.5	<0.5	<0.5	--	--	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	ND[11]
08/08/91	<50	<0.5	<0.5	<0.5	<0.5	--	--	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	ND
11/27/91	<50	<0.5	<0.5	<0.5	<0.5	--	--	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	ND
01/29/92	<50	1.9	2.6	0.8	2.6	--	--	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	ND
03/26/92	<50	<0.5	<0.5	<0.5	<0.5	--	--	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	ND
07/23/92	<50	<0.5	<0.5	<0.5	0.5	--	--	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
10/28/92	<50	<0.5	<0.5	<0.5	<0.5	--	--	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	ND
05/04/93	INACCESSIBLE		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
01/05/94	INACCESSIBLE		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
05/13/94	110	<0.5	0.7	<0.5	2.0	--	--	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5-<1.0
10/24/94	--	--	--	--	--	--	--	<0.5	--	<0.5	<0.5	<0.5	<0.5	3.1	<0.5	3.8	<0.5	<0.5-<1.0

ATTACHMENT B
HISTORICAL GROUNDWATER ANALYTICAL RESULTS
Former Chevron Asphalt Plant and Bulk Terminal #206265
1520 Powell Street
Emeryville, California

WELL ID/ DATE	Fuel Related Hydrocarbon Compounds							Chlorinated Volatile Organic Compounds										
	TPH-G (µg/L)	BENZENE (µg/L)	TOLUENE (µg/L)	ETHYL BENZENE (µg/L)	XYLENE (µg/L)	MTBE (µg/L)	TPH-D (µg/L)	1,1-DCE (µg/L)	1,2-DCE (µg/L)	t-1,2-DCE (µg/L)	c-1,2-DCE (µg/L)	1,1-DCA (µg/L)	1,1,1-TCA (µg/L)	TCE (µg/L)	PCE (µg/L)	CF (µg/L)	VC (µg/L)	HVOCs (µg/L)
MW-15 (cont'd)																		
04/19/95	--	--	--	--	--	--	--	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
04/26/96	--	--	--	--	--	--	--	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.8	<0.5-<5.0
11/06/95	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	<1.0	--	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	ND
04/26/96	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--	--	--	--	--	--	--
10/10/96	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.8	ND
04/22/97	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.8	ND
10/16/97	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	<1.0	--	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<0.5	ND
05/04/98	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	ND
10/27/98	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
04/15/99	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
11/04/99	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	ND
04/13/00	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	<1.0	--	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--[21]
10/06/00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
04/23/01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
10/04/01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
04/01/02	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
10/19/02	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
04/16/03	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
10/29/03	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
UNABLE TO LOCATE - CEMENTED OVER DURING CONSTRUCTION																		
MW-16																		
03/21/90	<50	<0.3	<0.3	<0.3	<0.6	--	--	<0.2	**0.8**	--	--	<0.5	<0.5	**27**	**8.0**	**2.0**	<1.0	--
06/19/90	<50	<0.3	<0.3	<0.3	<0.6	--	--	<0.2	<0.5	--	--	<0.5	<0.5	**35**	**7.0**	**2.0**	<1.0	--
09/20/90	<50	<0.3	<0.3	<0.3	<0.6	--	--	<0.2	**0.9**	--	--	<0.5	<0.5	**49**	**15**	**4.1**	<1.0	--
12/28/90	<50	<0.5	<0.5	<0.5	<0.5	--	--	<0.5	--	<0.5	<0.5	<0.5	<0.5	**29**	**18**	**4.0**	<1.0	ND[12]
05/10/91	<50	<0.5	<0.5	<0.5	<0.5	--	--	<0.5	--	<0.5	**0.5**	<0.5	<0.5	**32**	**10**	**4.0**	<1.0	ND
08/08/91	<50	<0.5	<0.5	<0.5	<0.5	--	--	<0.5	--	<0.5	<0.5	<0.5	<0.5	**35**	**13**	**1.9**	<1.0	ND
11/27/91	<50	<0.5	<0.5	<0.5	<0.5	--	--	<0.5	--	<0.5	**1.3**	<0.5	<0.5	**47**	**12**	**1.8**	<1.0	ND[13]
01/29/92	65	3.6	6.2	1.9	6.6	--	--	<0.5	--	<0.5	**0.9**	<0.5	<0.5	**31**	**11**	**1.8**	<1.0	ND
03/26/92	270	21	27	9.5	41	--	--	<0.8	--	<0.8	<0.8	<0.8	<0.8	**24**	**8.5**	**1.7**	<1.7	<0.8-<1.7
07/23/92	<50	<0.5	<0.5	<0.5	0.7	--	--	<0.5	--	<0.5	**0.9**	<0.5	<0.5	**37**	**12**	**1.0**	<0.5	<0.5
10/28/92	<50	0.9	1.4	<0.5	1.1	--	--	<0.5	--	<0.5	**1.7**	<0.5	<0.5	**39**	**14**	**1.1**	<1.0	ND
05/04/93	51	<0.5	1.0	0.6	1.7	--	--	<0.5	--	<0.5	<0.5	<0.5	<0.5	**32**	**10**	**1.1**	<1.0	<0.5
01/05/94	INACCESSIBLE		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
05/13/94	PAVED OVER		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
DECOMMISSIONED AND NOT MONITORED/SAMPLED WELLS																		
MW-19																		
03/21/90	<50	<0.3	<0.3	<0.3	<0.6	--	--	<0.2	**10**	--	--	<0.5	**2.5**	**41**	**53**	**3.2**	<1.0	--
06/19/90	<50	<0.3	<0.3	<0.3	<0.6	--	--	<0.2	**13**	--	--	<0.5	**1.5**	**46**	**47**	**2.8**	<1.0	--
09/20/90	<50	<0.3	<0.3	<0.3	<0.6	--	--	<0.2	**5.8**	--	--	<0.5	**2.5**	**39**	**32**	**3.1**	<1.0	--
12/28/90	66	<0.5	<0.5	<0.5	<0.5	--	--	<0.5	--	**0.8**	**22**	<0.5	**1.0**	**40**	**44**	**3.0**	<1.0	--
05/10/91[3]	60	<0.5	<0.5	<0.5	<0.5	--	--	<0.5	--	**2.0**	**12**	<0.5	**1.0**	**47**	**47**	**3.0**	<1.0	ND
08/08/91	58	<0.5	<0.5	<0.5	<0.5	--	--	<0.5	--	**1.1**	**4.8**	<0.5	**1.1**	**41**	**35**	**2.8**	<1.0	ND
11/27/91	<50	<0.5	<0.5	<0.5	<0.5	--	--	<0.5	--	**1.9**	**29**	<0.5	**0.9**	**59**	**31**	**2.7**	<1.0	ND
01/29/92	<50	1.7	2.6	0.7	2.1	--	--	<5.0	--	<5.0	**8.9**	<5.0	<5.0	**51**	**44**	**3**	<10	ND
03/26/92	80	<0.5	<0.5	<0.5	<0.5	--	--	<1.2	--	**1.7**	**23**	<1.2	**1.5**	**68**	**130**	**1.4**	<2.5	ND[16]
07/23/92	70	0.6	0.5	<0.5	1.5	--	--	**1.1**	--	**1.4**	**5.6**	<0.5	**1.0**	**61**	**38**	**3.3**	<0.5	<0.5

ATTACHMENT B
HISTORICAL GROUNDWATER ANALYTICAL RESULTS
Former Chevron Asphalt Plant and Bulk Terminal #206265
1520 Powell Street
Emeryville, California

WELL ID/ DATE	Fuel Related Hydrocarbon Compounds							Chlorinated Volatile Organic Compounds										
	TPH-G (µg/L)	BENZENE (µg/L)	TOLUENE (µg/L)	ETHYL BENZENE (µg/L)	XYLENE (µg/L)	MTBE (µg/L)	TPH-D (µg/L)	1,1-DCE (µg/L)	1,2-DCE (µg/L)	t-1,2-DCE (µg/L)	c-1,2-DCE (µg/L)	1,1-DCA (µg/L)	1,1,1-TCA (µg/L)	TCE (µg/L)	PCE (µg/L)	CF (µg/L)	VC (µg/L)	HVOCs (µg/L)
MW-19 (cont'd)																		
10/28/92	170	4.3	28	5.1	24	--	--	<0.5	--	**0.9**	**5.3**	<0.5	**1.1**	**46**	**24**	**2.2**	<1.0	ND
05/04/93	120	2.0	4.7	2.8	8.1	--	--	<0.5	--	**2.5**	**8.7**	0.5	**1.1**	**69**	**32**	**3.9**	<1.0	<0.5
01/05/94	<50	2.0	1.4	1.7	2.5	--	--	<0.5	--	**1.7**	**1.7**	<0.5	**16**	**49**	**46**	<0.5	<1.0	<0.5
05/13/94	<50	<0.5	0.9	<0.5	<0.5	--	--	<0.5	--	**1.8**	**22**	<0.5	**0.7**	**40**	**58**	<0.5	<0.5	<0.5-<1.0
10/24/94	<50	<0.5	<0.5	<0.5	<0.5	--	--	<50	--	**110**	**54**	<50	<50	**98**	**300**	<50	<50	<50-<100
04/19/95	270[2]	<0.5	<0.5	<0.5	<0.5	--	--	<0.5	--	<0.5	**65**	<0.5	<0.5	**130**	**670**	<0.5	<0.5	<0.5
DECOMMISSIONED AND NOT MONITORED/SAMPLED WELLS																		
BAILER BLANK																		
05/10/91	<50	<0.5	<0.5	<0.5	<0.5	--	--	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	ND
08/08/91	<50	<0.5	<0.5	<0.5	<0.5	--	--	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	ND
11/27/91	<50	<0.5	<0.5	<0.5	<0.5	--	--	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	ND[18]
01/29/92	<50	<0.5	<0.5	<0.5	<0.5	--	--	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	ND
03/26/92	<50	<0.5	<0.5	<0.5	<0.5	--	--	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	ND
07/23/92	<50	<0.5	<0.5	<0.5	<0.5	--	--	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
10/28/92	<50	<0.5	<0.5	<0.5	<0.5	--	--	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	ND
05/04/93	<50	<0.5	<0.5	<0.5	<1.5	--	--	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5
01/05/94	<50	<0.5	<0.5	<0.5	<0.5	--	--	<0.8	--	<0.8	<0.8	<1	<0.8	<1	<0.8	<0.8	<1	--
05/13/94	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--	--	--	--	--
5/20/10	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	<0.8	--	<0.8	<0.8	<1	<0.8	<1	<0.8	<0.8	<1	--
10/28/10	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	<0.8	--	<0.8	<0.8	<1	<0.8	<1	<0.8	**12**	<1	--
06/10/11	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	<0.8	--	<0.8	<0.8	<1	<0.8	<1	<0.8	<0.8	<1	--
TRIP BLANK																		
04/14/89	<50	<0.5	<1.0	<1.0	<1.0	--	--	<1.0	<0.5	--	--	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	--
07/31/89	<50	<0.1	<0.5	<0.5	<0.2	--	--	<0.1	<0.5	--	--	<0.1	<0.1	<0.1	<0.1	<0.5	<0.1	--
12/08/89	--	<0.3	<0.3	<0.3	<0.6	--	--	<0.2	<0.5	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	--
03/21/90	<50	<0.3	<0.3	<0.3	<0.6	--	--	<0.2	<0.5	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	--
03/26/90	<50	<0.3	<0.3	<0.3	<0.6	--	--	<0.2	<0.5	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	--
06/19/90	<50	<0.3	<0.3	<0.3	<0.6	--	--	--	--	--	--	--	--	--	--	--	--	--
TRIP BLANK (cont)																		
09/21/90	<50	<0.3	<0.3	<0.3	<0.6	--	--	<0.2	<0.5	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	--
12/28/90	<50	<0.5	<0.5	<0.5	<0.6	--	--	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	--
05/10/91	<50	<0.5	<0.5	<0.5	<0.5	--	--	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	ND
08/08/91	<50	<0.5	<0.5	<0.5	<0.5	--	--	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	ND[19]
11/27/91	<50	<0.5	<0.5	<0.5	<0.5	--	--	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	ND[20]
01/29/92	<50	<0.5	<0.5	<0.5	<0.5	--	--	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	ND
03/26/92	<50	<0.5	<0.5	<0.5	<0.5	--	--	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	ND
07/23/92	<50	<0.5	<0.5	<0.5	<0.5	--	--	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
10/28/92	<50	<0.5	<0.5	<0.5	<0.5	--	--	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	ND
05/04/93	<50	<0.5	<0.5	<0.5	<1.5	--	--	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5
01/05/94	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--	--	--	--	--
05/13/94	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--	--	--	--	--
10/24/94	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--	--	--	--	--
04/19/95	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--	--	--	--	--
11/06/95	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	<1.0	--	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	ND
04/26/96	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--	--	--	--	--	--	--
10/10/96	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--	--	--	--	--	--	--
04/22/97	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--	--	--	--	--	--	--

ATTACHMENT B
HISTORICAL GROUNDWATER ANALYTICAL RESULTS
Former Chevron Asphalt Plant and Bulk Terminal #206265
1520 Powell Street
Emeryville, California

	Fuel Related Hydrocarbon Compounds							Chlorinated Volatile Organic Compounds										
WELL ID/ DATE	TPH-G (µg/L)	BENZENE (µg/L)	TOLUENE (µg/L)	ETHYL BENZENE (µg/L)	XYLENE (µg/L)	MTBE (µg/L)	TPH-D (µg/L)	1,1-DCE (µg/L)	1,2-DCE (µg/L)	t-1,2-DCE (µg/L)	c-1,2-DCE (µg/L)	1,1-DCA (µg/L)	1,1,1-TCA (µg/L)	TCE (µg/L)	PCE (µg/L)	CF (µg/L)	VC (µg/L)	HVOCs (µg/L)
10/16/97	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--	--	--	--	--	--	--
05/04/98	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--	--	--	--	--	--	--	--	--	--
10/27/98	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--	--	--	--	--	--	--	--	--	--
04/15/99	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--	--	--	--	--	--	--
04/13/00	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	--	--	--	--	--	--	--	--	--	--	--
10/05/00	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	--	--	--	--	--	--	--	--	--	--	--
04/23/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	--	--	--	--	--	--	--	--	--	--	--
10/04/01	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--	--	--	--	--	--	--	--	--	--	--	--
04/01/02	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--	--	--	--	--	--	--	--	--	--	--	--
04/30/09	<50	<0.5	<0.5	<0.5	**0.5**[13]	<0.5	**--**	--	--	--	--	--	--	--	--	--	--	--
6/24/09	**--**	**--**	**--**	**--**	**--**	**--**	**--**	<0.8	--	<0.8	<0.8	<1	<0.8	<1	<0.8	<0.8	<1	--
10/27/09	<50	<0.5	<0.5	<0.5	<0.5	<0.5	**--**	--	--	--	--	--	--	--	--	--	--	--
5/19/10	<50	<0.5	<0.5	<0.5	<0.5	<0.5	**--**	<0.8	**--**	<0.8	<0.8	<1	<0.8	<1	<0.8	<0.8	<1	**--**
5/20/10	<50	<0.5	<0.5	<0.5	<0.5	<0.5	**--**	<0.8	**--**	<0.8	<0.8	<1	<0.8	<1	<0.8	<0.8	<1	**--**
10/26/10	<50	<0.5	<0.5	<0.5	<0.5	<0.5	**--**	<0.8	**--**	<0.8	<0.8	<1	<0.8	<1	<0.8	<0.8	<1	**--**
10/27/10	<50	<0.5	<0.5	<0.5	<0.5	<0.5	**--**	<0.8	**--**	<0.8	<0.8	<1	<0.8	<1	<0.8	<0.8	<1	**--**
10/28/10	<50	<0.5	<0.5	<0.5	<0.5	<0.5	**--**	<0.8	**--**	<0.8	<0.8	<1	<0.8	<1	<0.8	<0.8	<1	**--**
06/08/11	<50	<0.5	<0.5	<0.5	<0.5	<0.5	**--**	<0.8	**--**	<0.8	<0.8	<1	<0.8	<1	<0.8	<0.8	<1	**--**
06/08/11	<50	<0.5	<0.5	<0.5	<0.5	<0.5	**--**	<0.8	**--**	<0.8	<0.8	<1	<0.8	<1	<0.8	<0.8	<1	**--**
06/09/11	<50	<0.5	<0.5	<0.5	<0.5	<0.5	**--**	<0.8	**--**	<0.8	<0.8	<1	<0.8	<1	<0.8	<0.8	<1	**--**
06/10/11	<50	<0.5	<0.5	<0.5	<0.5	<0.5	**--**	<0.8	**--**	<0.8	<0.8	<1	<0.8	<1	<0.8	<0.8	<1	**--**
QA																		
10/19/02	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--	--	--	--	--	--	--	--	--	--	--	--
04/16/03	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--	--	--	--	--	--	--	--	--	--	--
10/29/03[12]	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--	--	--	--
04/01/04[12]	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--	--	--	--
10/01/04[12]	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--	--	--	--
04/08/05[12]	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--	--	--	--
10/20/05[12]	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--	--	--	--
04/20/06[12]	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--	--	--	--
10/25/06[12]	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--	--	--	--
04/13/07[12]	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--	--	--	--
QA (cont)																		
10/19/07[12]	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--	--	--	--
04/11/08[12]	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--	--	--	--
10/17/08[12]	<50	<0.5	<0.5	<0.5	0.5[13]	<0.5	**--**	--	--	--	--	--	--	--	--	--	--	--

ATTACHMENT B
HISTORICAL GROUNDWATER ANALYTICAL RESULTS
Former Chevron Asphalt Plant and Bulk Terminal #206265
1520 Powell Street
Emeryville, California

EXPLANATIONS:

Groundwater monitoring data and laboratory results prior to April 13, 2000, were compiled from reports prepared by Blaine Tech. Services, Inc.

TPH-G = Total Petroleum Hydrocarbons as Gasoline
B = Benzene
T = Toluene
E = Ethylbenzene
X = Xylenes
MTBE = Methyl Tertiary Butyl Ether
TOG = Total Oil and Grease
QA = Quality Assurance/Trip Blank
(mg/L) = milligrams per liter
(µg/L) = micrograms per liter

1,1-DCE = 1,1-Dichloroethene
1,2-DCE = 1,2-Dichloroethene
t-1,2-DCE = trans-1,2-Dichloroethene
c-1,2-DCE = cis-1,2-Dichloroethene
1,1-DCA = 1,1-Dichloroethane
1,1,1-TCA = 1,1,1-Trichloroethane
TCE = Trichloroethene

PCE = Tetrachloroethene
CF = Chloroform
VC = Vinyl Chloride
HVOCs = Halogenated Volatile Organic Compounds
(ppb) = Parts per billion
-- = Not Measured/Not Analyzed
ND = Not Detected

1 TPH was reported as Diesel #2.
2 Chromatogram pattern indicates an unidentified hydrocarbon.
3 Monitoring well was destroyed during soil excavation in 1989.
4 Sample has chlorinated hydrocarbon pattern, needs GCMS confirmation of MTBE.
5 Sample was analyzed outside the EPA recommended holding time.
6 Unable to sample due to car parked over the well.
7 Confirmation run.
8 MTBE by EPA Method 8240.
9 MTBE by EPA Method 8260.
10 Laboratory report indicates discrete peaks.
11 MTBE by EPA Method 8260 was analyzed outside the EPA recommended holding time.
12 BTEX and MTBE by EPA Method 8260.
13 The value reported for xylene (total) is probably due to carryover from the previous sample. The analysis was repeated using a previously opened vial. This compound was not detected in the re-analysis. The reported results are from the initial analysis.
14 MW-17, MW-18, and MW-19A were resurveyed June 12, 2009 along with the wells that were installed in May 2009. The groundwater elevation calculations from April 30, 2009 and after were calculated using the May 2009 survey data.
15 Chloromethane was detected at 0.6 ppb. Other HVOCs not detected at detection limits of 0.5 ppb.
16 1,1,2,2-Tetrachloroethane detected at 1.8 ppb; other HVOCs not detected at detection limits of 1.2 to 2.5 ppb.
17 Laboratory report indicates 1,1,2,2-Tetrachloroethane was detected at 3.8 ppb. Reported values for cis-1,2-dichloroethene; trichloroethene and tetrachloroethene are from 50X dilution sample re-analysis.
18 Trace concentrations of trihalomethane compounds detected in bailer blank.
19 3.1 ppb 1,2-dichlorobenzene detected; other HVOCs not detected.
20 Trace concentrations of trihalomethane compounds detected in bailer blank.
21 Laboratory report indicates all other HVOCs were ND; See specific laboratory analytical report.
22 Laboratory report indicates all other HVOCs were ND, except for Freon 113 was detected at 2.3 ppb and 1,1,2,2-Tetrachloroethane was 3.9 ppb.
23 Laboratory report indicates all other HVOCs were ND, except for Freon 113 detected at 5 ppb and 1,1,2,2,-Tetrachloroethane at 3 ppb; See specific laboratory analytical report.
24 Laboratory report indicates all other HVOCs were ND, except for 1,1,2,2,-Tetrachloroethane detected at 4 ppb; See specific laboratory analytical report.
25 Laboratory report indicates all other HVOCs were less than the reporting limit, except for 1,1,2,2-Tetrachloroethane was detected at 2 ppb, and Freon 113 was detected at 4 ppb.
26 Laboratory report indicates all other HVOCs were ND, except for Freon 113 was detected at 3 ppb and 1,1,2,2-Tetrachloroethane was 3 ppb.
27 Laboratory report indicates all other HVOCs were ND, except for Freon 113 was detected at 5 ppb and 1,1,2,2-Tetrachloroethane was 2 ppb.

Historical results reported below the detection limit and that did not have a reporting limit provided in the available documents are listed as ND.
<## - not detected at or above the indicated reporting limit

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Attachment C

Historical Analytical Results
for Monitored Natural
Attenuation Parameters

ATTACHMENT C
HISTORICAL ANALYTICAL RESULTS FOR MONITORED NATURAL ATTENUATION PARAMETERS
Former Chevron Asphalt Plant and Bulk Terminal #206265
1520 Powell Street
Emeryville, California

WELL ID/	Ethane	Ethene	Methane	Nitrate	Sulfate	TOC	Alkalinity (<4.5)	Alkalinity (<8.3)	Bicarbonate Alkalinity	Sulfide	Iron	Manganese
DATE	*(ug/L)*	*(ug/L)*	*(ug/L)*	*(ug/L)*	*(ug/L)*	*(ug/L)*	*(ug/L)*	*(ug/L)*	*(ug/L)*	*(ug/L)*	*(ug/L)*	*(ug/L)*
MWX-2												
6/24/2009	--	--	--	--	--	--	--	--	--	--	--	--
10/27/2009	--	--	--	--	--	--	--	--	--	--	--	--
5/19/2010	**22**	**1.9**	**830**	**1,000**	**18,000**	**4,800**	**152,000**	<460	**152,000**	<54	**475**	**2,150**
10/27/2010	<1.0	<1.0	<5.0	**1,000**	**28,900**	**19,700**	**69,300**	<460	**69,300**	<54	<52.2	**202**
6/9/2011	**8.9**	<1.0	**220**	**1,200**	**21,200**	**8,500**	**95,600**	<460	**95,600**	<54	<14.1	**151**
12/02/2011	**4.3**	<1.0	**96**	**1,700**	**22,600**	**7,100**	**106,000**	<460	**106,000**	<54	<14.1	**15.6**
Not Sampled - inaccessible												
MWX-3												
6/24/2009	--	--	--	--	--	--	--	--	--	--	--	--
10/27/2009	--	--	--	--	--	--	--	--	--	--	--	--
5/19/2010	<1.0	<1.0	**13**	**6,200**	**41,300**	**4,500**	**187,000**	<460	**187,000**	<54	<52.2	**37.3**
10/27/2010	<1.0	<1.0	**15**	**7,200**	**47,700**	**8,800**	**19,800**	<460	**198,000**	<54	<52.2	**46.9**
6/7/2011	<1.0	<1.0	**16**	**5,400**	**57,800**	**5,100**	**168,000**	<460	**168,000**	<54	<52.2	**52.2**
12/02/2011	**1.5**	<1.0	**29**	**5,600**	**64,300**	**5,900**	**178,000**	<460	**178,000**	<54	<14.1	**39.3**
06/27/2012	**19**	**66**	**2,600**	<250	**4,800**	**279,000**	**--**	--	**1,020,000**	<54	**35900**	**25300**
MWX-6												
6/24/2009	--	--	--	--	--	--	--	--	--	--	--	--
10/27/2009	--	--	--	--	--	--	--	--	--	--	--	--
5/20/2010	<1.0	<1.0	**270**	<250	**22,300**	**5,200**	**225,000**	<460	**225,000**	<54	<52.2	**1,360**
10/26/2010	<1.0	<1.0	**110**	<250	**23,900**	**4,900**	**244,000**	<460	**244,000**	<54	**195**	**1,590**
6/8/2011	<1.0	<1.0	**170**	<250	**31,800**	**5,800**	**209,000**	<460	**209,000**	<54	**92.4**	**1,330**
11/30/2011	<1.0	<1.0	**180**	<250	**22,700**	**5,100**	**231,000**	<460	**231,000**	<54	**201**	**1,570**
6/27/2012	<1.0	<1.0	**130**	<250	**28,000**	**4,800**	**--**	--	**236,000**	<54	**109**	**1,330**
MWX-8												
6/24/2009	--	--	--	--	--	--	--	--	--	--	--	--
10/27/2009	--	--	--	--	--	--	--	--	--	--	--	--
5/18/2010	<1.0	<1.0	**5.3**	**340**	**24,200**	**3,200**	**131,000**	<460	**131,000**	<54	<52.2	**17.3**
10/27/2010	**1.1**	<1.0	**22**	**390**	**26,700**	**6,300**	**115,000**	<460	**115,000**	<54	<52.2	**26.3**
6/8/2011	<1.0	<1.0	<5	**1300**	**27,900**	**4,500**	**123,000**	<460	**123,000**	<54	<52.2	**13.7**
12/2/2011	<1.0	<1.0	<5.0	**1,300**	**19,500**	**3,800**	**114,000**	<460	**114,000**	<54	<14.1	**24.0**
6/27/2012	**6.4**	**55**	**8,400**	**<250**	**3,700**	**255,000**	**--**	--	**850,000**	<54	**6050**	**13800**
MWX-9												
6/24/2009	--	--	--	--	--	--	--	--	--	--	--	--

ATTACHMENT C
HISTORICAL ANALYTICAL RESULTS FOR MONITORED NATURAL ATTENUATION PARAMETERS
Former Chevron Asphalt Plant and Bulk Terminal #206265
1520 Powell Street
Emeryville, California

WELL ID/	Ethane	Ethene	Methane	Nitrate	Sulfate	TOC	Alkalinity (<4.5)	Alkalinity (<8.3)	Bicarbonate Alkalinity	Sulfide	Iron	Manganese
DATE	*(ug/L)*	*(ug/L)*	*(ug/L)*	*(ug/L)*	*(ug/L)*	*(ug/L)*	*(ug/L)*	*(ug/L)*	*(ug/L)*	*(ug/L)*	*(ug/L)*	*(ug/L)*
10/27/2009	--	--	--	--	--	--	--	--	--	--	--	--
5/20/2010	<1.0	<1.0	**54**	<250	**26,500**	**4,700**	**246,000**	<460	**246,000**	<54	<52.2	**522**
10/26/2010	<1.0	<1.0	**39**	<250	**25,000**	**4,700**	**271,000**	<460	**271,000**	<54	<52.2	**413**
6/9/2011	<1.0	<1.0	**14**	**630**	**27,200**	**4,500**	**207,000**	<460	**207,000**	<54	<14.1	**262**
11/30/2011	<1.0	<1.0	**31**	<250	**23,000**	**4,800**	**253,000**	<460	**253,000**	<54	<14.1	**482**
06/27/2012	<1.0	<1.0	**51**	<250	**25,500**	**4,600**	**--**	--	**233,000**	<54	<33.3	**371**
MWX-10A												
6/24/2009	--	--	--	--	--	--	--	--	--	--	--	--
10/27/2009	--	--	--	--	--	--	--	--	--	--	--	--
5/20/2010	<1.0	<1.0	**140**	<250	**68,500**	**8,100**	**244,000**	<460	**244,000**	<54	<52.2	**751**
10/28/2010	<1.0	<1.0	**97**	<250	**101,000**	**11,300**	**201,000**	<460	**201,000**	<54	<52.2	**217**
6/10/2011	<1.0	<1.0	**97**	570	**80,700**	**8,400**	**269,000**	<460	**269,000**	<54	<14.1	**538**
12/01/2011	<1.0	<1.0	**170**	<250	**60,100**	**7,700**	**272,000**	<460	**272,000**	<54	84.2	**927**
06/26/2012	<1.0	<1.0	**26**	<250	**72,100**	**8,100**			**259,000**	<54	<33.3	**289**
MWX-11A												
6/24/2009	--	--	--	--	--	--	--	--	--	--	--	--
10/27/2009	--	--	--	--	--	--	--	--	--	--	--	--
5/20/2010	<1.0	<1.0	**17**	<250	**73,300**	**8,200**	**411,000**	<460	**411,000**	<54	<52.2	**86.5**
10/28/2010	<1.0	<1.0	**6.9**	<250	**83,300**	**13,200**	**377,000**	<460	**377,000**	<54	<52.2	**10.9**
6/10/2011	<1.0	<1.0	**5.5**	**1,100**	**102,000**	**12,700**	**339,000**	<460	**339,000**	<54	<14.1	**164**
11/30/2011	<1.0	<1.0	**8.1**	**<250**	**87,500**	**10,400**	**410,000**	<460	**410,000**	<54	<14.1	**13.7**
06/26/2012	<1.0 [<1.0]	<1.0 [<1.0]	**<5 [<5]**	**560 [540]**	**73,300 [70,200]**	**14,000 [13,900]**	**--**	--	**394,000 [396,000]**	<54 [<54]	<33.3 [<33.3]	**2.6 [<5.0]**
MW-17												
4/30/2009	--	--	--	--	--	--	--	--	--	--	--	--
6/24/2009	--	--	--	--	--	--	--	--	--	--	--	--
10/27/2009	--	--	--	--	--	--	--	--	--	--	--	--
5/19/2010	<1.0	<1.0	<5.0	**1,900**	**48,000**	**1,800**	**118,000**	<460	**118,000**	<54	<52.2	**77.7**
10/28/2010	<1.0	<1.0	<5.0	**2,100**	**48,900**	**1,900**	**111,000**	<460	**111,000**	<54	<52.2	**154**
6/9/2011	<1.0	<1.0	<5.0	**2,700**	**51,100**	**1,800**	**112,000**	<460	**112,000**	<54	<14.1	**63.7**
12/01/2011	<1.0	<1.0	<5.0	**2,100**	**50,000**	**2,000**	**113,000**	<460	**113,000**	<54	<14.1	**91.1**
Not Sampled - inaccessible												
MW-18												
4/30/2009	--	--	--	--	--	--	--	--	--	--	--	--

ATTACHMENT C
HISTORICAL ANALYTICAL RESULTS FOR MONITORED NATURAL ATTENUATION PARAMETERS
Former Chevron Asphalt Plant and Bulk Terminal #206265
1520 Powell Street
Emeryville, California

WELL ID/	Ethane	Ethene	Methane	Nitrate	Sulfate	TOC	Alkalinity (<4.5)	Alkalinity (<8.3)	Bicarbonate Alkalinity	Sulfide	Iron	Manganese
DATE	*(ug/L)*	*(ug/L)*	*(ug/L)*	*(ug/L)*	*(ug/L)*	*(ug/L)*	*(ug/L)*	*(ug/L)*	*(ug/L)*	*(ug/L)*	*(ug/L)*	*(ug/L)*
6/24/2009	--	--	--	--	--	--	--	--	--	--	--	--
10/27/2009	--	--	--	--	--	--	--	--	--	--	--	--
5/18/2010	<1.0	<1.0	<5.0	**2,700**	**35,200**	**1,600**	**145,000**	<460	**145,000**	<54	<52.2	**16.0**
10/27/2010	<1.0	<1.0	<5.0	**2,200**	**38,400**	**1,900**	**142,000**	<460	**142,000**	<54	<52.2	**41.5**
6/7/2011	<1.0	<1.0	<5.0	**3,900**	**46,100**	**1,700**	**148,000**	<460	**148,000**	<54	<52.2	**6.2**
12/02/2011	<1.0	<1.0	<5.0	**2,600**	**38,500**	**1,500**	**155,000**	<460	**155,000**	<54	<14.1	**26.7**
06/27/2012	<1.0	<1.0	**150**	**3,300**	**40,900**	**1,100**	**--**	--	**164,000**	<54	<33.3	**326**
MW-19A												
4/30/2009	--	--	--	--	--	--	--	--	--	--	--	--
6/24/2009	--	--	--	--	--	--	--	--	--	--	--	--
10/27/2009	--	--	--	--	--	--	--	--	--	--	--	--
5/19/2010	<1.0	<1.0	**5.6**	**710**	**23,300**	**3,500**	**137,000**	<460	**137,000**	<54	<52.2	**5.7**
10/27/2010	<1.0	<1.0	**6.1**	**1,400**	**19,600**	**11,000**	**122,000**	<460	**122,000**	<54	<52.2	**13.9**
6/8/2011	<1.0	<1.0	<5.0	**1,600**	**19,500**	**6,300**	**105,000**	<460	**105,000**	<54	<52.2	**11.7**
12/1/2011	<1.0	<1.0	**6.2**	**1,600**	**20,600**	**4,600**	**121,000**	<460	**121,000**	<54	<14.1	**18.3**
06/27/2012	**7.5**	**1.4**	**15,000**	<250	**1,700**	**470,000**	**--**	--	**1,040,000**	<54	**11600**	**7010**

NOTES:

TOC=total organic carbon -- = not tested Alkalinity (<4.5)=alkalinity to pH 4.5 Alkalinity (<8.3)=alkalinity to pH 8.3
(µg/L) = micrograms per liter

1. Methane, ethane, and ehtene were analyzed by method RSK 175
2. Iron and manganese were analyzed by EPA Method 200.7
3. Metals sample was field filtered
4. Sulfate and nitrate nitrogem were analyzed by EPA Method 300.0
5. Sulfide was analyzed by SM4500S2-D
6. Bicarbonate and alkalinity were analyzed by EM2320B
7. Total organic carbon was analyzed by SM5310 C
8. MW-17 sample was duplicated and the higher reported concentration listed

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Attachment D

Laboratory Analytical Report and
Chain-of-Custody Documentation

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2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Analysis Report

ANALYTICAL RESULTS

Prepared by:

Lancaster Laboratories
2425 New Holland Pike
Lancaster, PA 17605-2425

Prepared for:

Chevron
L4310
6001 Bollinger Canyon Road
San Ramon CA 94583

July 11, 2012

Project: 206265

Submittal Date: 06/27/2012
Group Number: 1318549
PO Number: 0015097420
Release Number: MCKENNA
State of Sample Origin: CA

Client Sample Description	Lancaster Labs (LLI) #
MW-X11A-W-120626 Grab Water	6703260
MW-X11A-W-120626 Filtered Grab Water	6703261
MW-X10A-W-120626 Grab Water	6703262
MW-X10A-W-120626 Filtered Grab Water	6703263
Dup-1-WD-120626 Grab Water	6703264
Dup-1-WD-120626 Filtered Grab Water	6703265
QA-T-120626 NA Water	6703266

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

ELECTRONIC COPY TO	Arcadis	Attn: Angeline Tan
ELECTRONIC COPY TO	ARCADIS	Attn: Melissa Blanchette

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Respectfully Submitted,

Jill M. Parker
Senior Specialist

(717) 556-7262

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Analysis Report

Sample Description: MW-X11A-W-120626 Grab Water
Facility# 206265 BBLW
1520 Powell St-Emeryville SLT2007076 MW-X11A

LLI Sample # WW 6703260
LLI Group # 1318549
Account # 11964

Project Name: 206265

Collected: 06/26/2012 12:10 by SK

Submitted: 06/27/2012 09:25
Reported: 07/11/2012 17:23

Chevron
L4310
6001 Bollinger Canyon Road
San Ramon CA 94583

MX11A

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10905	Acetone	67-64-1	N.D.	6	1
10905	t-Amyl methyl ether	994-05-8	N.D.	0.5	1
10905	Benzene	71-43-2	N.D.	0.5	1
10905	Bromobenzene	108-86-1	N.D.	1	1
10905	Bromochloromethane	74-97-5	N.D.	1	1
10905	Bromodichloromethane	75-27-4	N.D.	1	1
10905	Bromoform	75-25-2	N.D.	1	1
10905	Bromomethane	74-83-9	N.D.	1	1
10905	2-Butanone	78-93-3	N.D.	3	1
10905	t-Butyl alcohol	75-65-0	N.D.	5	1
10905	n-Butylbenzene	104-51-8	N.D.	1	1
10905	sec-Butylbenzene	135-98-8	N.D.	1	1
10905	tert-Butylbenzene	98-06-6	N.D.	1	1
10905	Carbon Disulfide	75-15-0	N.D.	1	1
10905	Carbon Tetrachloride	56-23-5	N.D.	1	1
10905	Chlorobenzene	108-90-7	N.D.	0.8	1
10905	Chloroethane	75-00-3	N.D.	1	1
10905	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.				
10905	Chloroform	67-66-3	N.D.	0.8	1
10905	Chloromethane	74-87-3	N.D.	1	1
10905	2-Chlorotoluene	95-49-8	N.D.	1	1
10905	4-Chlorotoluene	106-43-4	N.D.	1	1
10905	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	2	1
10905	Dibromochloromethane	124-48-1	N.D.	1	1
10905	1,2-Dibromoethane	106-93-4	N.D.	0.5	1
10905	Dibromomethane	74-95-3	N.D.	1	1
10905	1,2-Dichlorobenzene	95-50-1	N.D.	1	1
10905	1,3-Dichlorobenzene	541-73-1	N.D.	1	1
10905	1,4-Dichlorobenzene	106-46-7	N.D.	1	1
10905	Dichlorodifluoromethane	75-71-8	N.D.	2	1
10905	1,1-Dichloroethane	75-34-3	N.D.	1	1
10905	1,2-Dichloroethane	107-06-2	N.D.	0.5	1
10905	1,1-Dichloroethene	75-35-4	N.D.	0.8	1
10905	cis-1,2-Dichloroethene	156-59-2	2	0.8	1
10905	trans-1,2-Dichloroethene	156-60-5	0.8	0.8	1
10905	1,2-Dichloropropane	78-87-5	N.D.	1	1
10905	1,3-Dichloropropane	142-28-9	N.D.	1	1
10905	2,2-Dichloropropane	594-20-7	N.D.	1	1
10905	1,1-Dichloropropene	563-58-6	N.D.	1	1
10905	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	1
10905	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	1
10905	Ethanol	64-17-5	N.D.	50	1
10905	Ethyl t-butyl ether	637-92-3	N.D.	0.5	1
10905	Ethylbenzene	100-41-4	N.D.	0.5	1
10905	Freon 113	76-13-1	N.D.	2	1
10905	Hexachlorobutadiene	87-68-3	N.D.	2	1
10905	2-Hexanone	591-78-6	N.D.	3	1
10905	di-Isopropyl ether	108-20-3	N.D.	0.5	1

Sample Description: MW-X11A-W-120626 Grab Water
Facility# 206265 BBLW
1520 Powell St-Emeryville SLT2007076 MW-X11A

LLI Sample # WW 6703260
LLI Group # 1318549
Account # 11964

Project Name: 206265

Collected: 06/26/2012 12:10 by SK

Submitted: 06/27/2012 09:25
Reported: 07/11/2012 17:23

Chevron
L4310
6001 Bollinger Canyon Road
San Ramon CA 94583

MX11A

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10905	Isopropylbenzene	98-82-8	N.D.	1	1
10905	p-Isopropyltoluene	99-87-6	N.D.	1	1
10905	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	1
10905	4-Methyl-2-pentanone	108-10-1	N.D.	3	1
10905	Methylene Chloride	75-09-2	N.D.	2	1
10905	Naphthalene	91-20-3	N.D.	1	1
10905	n-Propylbenzene	103-65-1	N.D.	1	1
10905	Styrene	100-42-5	N.D.	1	1
10905	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1	1
10905	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	1
10905	Tetrachloroethene	127-18-4	N.D.	0.8	1
10905	Toluene	108-88-3	N.D.	0.5	1
10905	1,2,3-Trichlorobenzene	87-61-6	N.D.	1	1
10905	1,2,4-Trichlorobenzene	120-82-1	N.D.	1	1
10905	1,1,1-Trichloroethane	71-55-6	0.9	0.8	1
10905	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	1
10905	Trichloroethene	79-01-6	5	1	1
10905	Trichlorofluoromethane	75-69-4	N.D.	2	1
10905	1,2,3-Trichloropropane	96-18-4	N.D.	1	1
10905	1,2,4-Trimethylbenzene	95-63-6	N.D.	1	1
10905	1,3,5-Trimethylbenzene	108-67-8	N.D.	1	1
10905	Vinyl Chloride	75-01-4	N.D.	1	1
10905	m+p-Xylene	n.a.	N.D.	0.5	1
10905	o-Xylene	95-47-6	N.D.	0.5	1
GC Volatiles	**SW-846 8015B**		**ug/l**	**ug/l**	
01728	TPH-GRO N. CA water C6-C12	n.a.	N.D.	50	1
GC Miscellaneous	**RSKSOP-175 08/11/94 modified**		**ug/l**	**ug/l**	
07105	Ethane	74-84-0	N.D.	1.0	1
07105	Ethene	74-85-1	N.D.	1.0	1
07105	Methane	74-82-8	N.D.	5.0	1
GC Petroleum Hydrocarbons	**SW-846 8015B modified**		**ug/l**	**ug/l**	
02740	C11-C36	n.a.	N.D.	51	1
02740	Total TPH	n.a.	N.D.	51	1
The reverse surrogate, capric acid, is present at <1%.					
Wet Chemistry	**EPA 300.0**		**ug/l**	**ug/l**	
00368	Nitrate Nitrogen	14797-55-8	540	250	5
00228	Sulfate	14808-79-8	70,200	1,500	5
	SM20 5310 C		**ug/l**	**ug/l**	
00273	Total Organic Carbon	n.a.	13,900	500	1

Sample Description: MW-X11A-W-120626 Grab Water
Facility# 206265 BBLW
1520 Powell St-Emeryville SLT2007076 MW-X11A

LLI Sample # WW 6703260
LLI Group # 1318549
Account # 11964

Project Name: 206265

Collected: 06/26/2012 12:10 by SK

Submitted: 06/27/2012 09:25
Reported: 07/11/2012 17:23

Chevron
L4310
6001 Bollinger Canyon Road
San Ramon CA 94583

MX11A

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
Wet Chemistry	**SM20 2320 B**		**ug/l as CaCO3**	**ug/l as CaCO3**	
12150	Total Alkalinity	n.a.	396,000	700	1
12149	Bicarbonate Alkalinity	n.a.	396,000	700	1
	SM20 4500 S2 D		**ug/l**	**ug/l**	
00230	Sulfide	18496-25-8	N.D.	54	1

General Sample Comments

State of California Lab Certification No. 2501

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10905	8260 Full List w/ Sep. Xylenes	SW-846 8260B	1	W121922AA	07/10/2012 15:05	Emily R Styer	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	W121922AA	07/10/2012 15:05	Emily R Styer	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	12185A07A	07/05/2012 13:50	Catherine J Schwarz	1
01146	GC VOA Water Prep	SW-846 5030B	1	12185A07A	07/05/2012 13:50	Catherine J Schwarz	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 08/11/94 modified	1	121870021A	07/06/2012 00:07	Nicholas R Rossi	1
02740	Custom TPH with Ranges (Water)	SW-846 8015B modified	1	121800030A	07/03/2012 21:53	Heather E Williams	1
11181	Custom TPH w/ Ranges Water Ext	SW-846 3510C	1	121800030A	06/29/2012 07:40	Katheryne V Sponheimer	1
00368	Nitrate Nitrogen	EPA 300.0	1	12180621901A	06/28/2012 11:51	Clinton M Wilson	5
00228	Sulfate	EPA 300.0	1	12180621901A	06/28/2012 11:51	Clinton M Wilson	5
00273	Total Organic Carbon	SM20 5310 C	1	12186049501A	07/04/2012 04:55	James S Mathiot	1
12150	Total Alkalinity	SM20 2320 B	1	12185002203A	07/03/2012 17:09	Susan A Engle	1
12149	Bicarbonate Alkalinity	SM20 2320 B	1	12185002203A	07/03/2012 17:09	Susan A Engle	1
00230	Sulfide	SM20 4500 S2 D	1	12184023002A	07/02/2012 12:00	Michele L Graham	1

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Analysis Report

Sample Description: MW-X11A-W-120626 Filtered Grab Water
Facility# 206265 BBLW
1520 Powell St-Emeryville SLT2007076 MW-X11A

LLI Sample # WW 6703261
LLI Group # 1318549
Account # 11964

Project Name: 206265

Collected: 06/26/2012 12:10 by SK

Submitted: 06/27/2012 09:25
Reported: 07/11/2012 17:23

Chevron
L4310
6001 Bollinger Canyon Road
San Ramon CA 94583

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
Metals Dissolved	**EPA 200.7 rev 4.4**		ug/l	ug/l	
01754	Iron	7439-89-6	N.D.	33.3	1
07058	Manganese	7439-96-5	N.D.	0.83	1

General Sample Comments

State of California Lab Certification No. 2501
This sample was field filtered for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
01754	Iron	EPA 200.7 rev 4.4	1	121815716007	07/02/2012 21:17	John P Hook	1
07058	Manganese	EPA 200.7 rev 4.4	1	121815716007	07/02/2012 21:17	John P Hook	1
05716	EPA 600 ICP Digest (tot rec)	EPA 200.7 rev 4.4	1	121815716007	07/01/2012 22:00	Annamaria Stipkovits	1

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Analysis Report

Sample Description: MW-X10A-W-120626 Grab Water
Facility# 206265 BBLW
1520 Powell St-Emeryville SLT2007076 MW-X10A

LLI Sample # WW 6703262
LLI Group # 1318549
Account # 11964

Project Name: 206265

Collected: 06/26/2012 15:00 by SK

Submitted: 06/27/2012 09:25
Reported: 07/11/2012 17:23

Chevron
L4310
6001 Bollinger Canyon Road
San Ramon CA 94583

MX10A

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10905	Acetone	67-64-1	N.D.	6	1
10905	t-Amyl methyl ether	994-05-8	N.D.	0.5	1
10905	Benzene	71-43-2	N.D.	0.5	1
10905	Bromobenzene	108-86-1	N.D.	1	1
10905	Bromochloromethane	74-97-5	N.D.	1	1
10905	Bromodichloromethane	75-27-4	N.D.	1	1
10905	Bromoform	75-25-2	N.D.	1	1
10905	Bromomethane	74-83-9	N.D.	1	1
10905	2-Butanone	78-93-3	N.D.	3	1
10905	t-Butyl alcohol	75-65-0	N.D.	5	1
10905	n-Butylbenzene	104-51-8	N.D.	1	1
10905	sec-Butylbenzene	135-98-8	N.D.	1	1
10905	tert-Butylbenzene	98-06-6	N.D.	1	1
10905	Carbon Disulfide	75-15-0	N.D.	1	1
10905	Carbon Tetrachloride	56-23-5	N.D.	1	1
10905	Chlorobenzene	108-90-7	N.D.	0.8	1
10905	Chloroethane	75-00-3	N.D.	1	1
10905	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.				
10905	Chloroform	67-66-3	N.D.	0.8	1
10905	Chloromethane	74-87-3	N.D.	1	1
10905	2-Chlorotoluene	95-49-8	N.D.	1	1
10905	4-Chlorotoluene	106-43-4	N.D.	1	1
10905	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	2	1
10905	Dibromochloromethane	124-48-1	N.D.	1	1
10905	1,2-Dibromoethane	106-93-4	N.D.	0.5	1
10905	Dibromomethane	74-95-3	N.D.	1	1
10905	1,2-Dichlorobenzene	95-50-1	N.D.	1	1
10905	1,3-Dichlorobenzene	541-73-1	N.D.	1	1
10905	1,4-Dichlorobenzene	106-46-7	N.D.	1	1
10905	Dichlorodifluoromethane	75-71-8	N.D.	2	1
10905	1,1-Dichloroethane	75-34-3	N.D.	1	1
10905	1,2-Dichloroethane	107-06-2	N.D.	0.5	1
10905	1,1-Dichloroethene	75-35-4	N.D.	0.8	1
10905	cis-1,2-Dichloroethene	156-59-2	3	0.8	1
10905	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	1
10905	1,2-Dichloropropane	78-87-5	N.D.	1	1
10905	1,3-Dichloropropane	142-28-9	N.D.	1	1
10905	2,2-Dichloropropane	594-20-7	N.D.	1	1
10905	1,1-Dichloropropene	563-58-6	N.D.	1	1
10905	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	1
10905	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	1
10905	Ethanol	64-17-5	N.D.	50	1
10905	Ethyl t-butyl ether	637-92-3	N.D.	0.5	1
10905	Ethylbenzene	100-41-4	N.D.	0.5	1
10905	Freon 113	76-13-1	N.D.	2	1
10905	Hexachlorobutadiene	87-68-3	N.D.	2	1
10905	2-Hexanone	591-78-6	N.D.	3	1
10905	di-Isopropyl ether	108-20-3	N.D.	0.5	1

Sample Description: MW-X10A-W-120626 Grab Water
Facility# 206265 BBLW
1520 Powell St-Emeryville SLT2007076 MW-X10A

LLI Sample # WW 6703262
LLI Group # 1318549
Account # 11964

Project Name: 206265

Collected: 06/26/2012 15:00 by SK

Submitted: 06/27/2012 09:25
Reported: 07/11/2012 17:23

Chevron
L4310
6001 Bollinger Canyon Road
San Ramon CA 94583

MX10A

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10905	Isopropylbenzene	98-82-8	N.D.	1	1
10905	p-Isopropyltoluene	99-87-6	N.D.	1	1
10905	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	1
10905	4-Methyl-2-pentanone	108-10-1	N.D.	3	1
10905	Methylene Chloride	75-09-2	N.D.	2	1
10905	Naphthalene	91-20-3	N.D.	1	1
10905	n-Propylbenzene	103-65-1	N.D.	1	1
10905	Styrene	100-42-5	N.D.	1	1
10905	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1	1
10905	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	1
10905	Tetrachloroethene	127-18-4	N.D.	0.8	1
10905	Toluene	108-88-3	N.D.	0.5	1
10905	1,2,3-Trichlorobenzene	87-61-6	N.D.	1	1
10905	1,2,4-Trichlorobenzene	120-82-1	N.D.	1	1
10905	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	1
10905	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	1
10905	Trichloroethene	79-01-6	3	1	1
10905	Trichlorofluoromethane	75-69-4	N.D.	2	1
10905	1,2,3-Trichloropropane	96-18-4	N.D.	1	1
10905	1,2,4-Trimethylbenzene	95-63-6	N.D.	1	1
10905	1,3,5-Trimethylbenzene	108-67-8	N.D.	1	1
10905	Vinyl Chloride	75-01-4	N.D.	1	1
10905	m+p-Xylene	n.a.	N.D.	0.5	1
10905	o-Xylene	95-47-6	N.D.	0.5	1
GC Volatiles	**SW-846 8015B**		**ug/l**	**ug/l**	
01728	TPH-GRO N. CA water C6-C12	n.a.	N.D.	50	1
GC Miscellaneous	**RSKSOP-175 08/11/94 modified**		**ug/l**	**ug/l**	
07105	Ethane	74-84-0	N.D.	1.0	1
07105	Ethene	74-85-1	N.D.	1.0	1
07105	Methane	74-82-8	26	5.0	1
GC Petroleum Hydrocarbons	**SW-846 8015B modified**		**ug/l**	**ug/l**	
02740	C11-C36	n.a.	N.D.	55	1
02740	Total TPH	n.a.	N.D.	55	1
The reverse surrogate, capric acid, is present at <1%.					
Wet Chemistry	**EPA 300.0**		**ug/l**	**ug/l**	
00368	Nitrate Nitrogen	14797-55-8	N.D.	250	5
00228	Sulfate	14808-79-8	72,100	1,500	5
	SM20 5310 C		**ug/l**	**ug/l**	
00273	Total Organic Carbon	n.a.	8,100	500	1

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Analysis Report

Sample Description: MW-X10A-W-120626 Grab Water
Facility# 206265 BBLW
1520 Powell St-Emeryville SLT2007076 MW-X10A

LLI Sample # WW 6703262
LLI Group # 1318549
Account # 11964

Project Name: 206265

Collected: 06/26/2012 15:00 by SK

Submitted: 06/27/2012 09:25
Reported: 07/11/2012 17:23

Chevron
L4310
6001 Bollinger Canyon Road
San Ramon CA 94583

MX10A

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
Wet Chemistry	**SM20 2320 B**		**ug/l as CaCO3**	**ug/l as CaCO3**	
12150	Total Alkalinity	n.a.	259,000	700	1
12149	Bicarbonate Alkalinity	n.a.	259,000	700	1
	SM20 4500 S2 D		**ug/l**	**ug/l**	
00230	Sulfide	18496-25-8	N.D.	54	1

General Sample Comments

State of California Lab Certification No. 2501

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10905	8260 Full List w/ Sep. Xylenes	SW-846 8260B	1	W121922AA	07/10/2012 15:28	Emily R Styer	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	W121922AA	07/10/2012 15:28	Emily R Styer	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	12185A07A	07/05/2012 14:15	Catherine J Schwarz	1
01146	GC VOA Water Prep	SW-846 5030B	1	12185A07A	07/05/2012 14:15	Catherine J Schwarz	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 08/11/94 modified	1	121870021A	07/06/2012 00:26	Nicholas R Rossi	1
02740	Custom TPH with Ranges (Water)	SW-846 8015B modified	1	121800030A	07/03/2012 22:21	Heather E Williams	1
11181	Custom TPH w/ Ranges Water Ext	SW-846 3510C	1	121800030A	06/29/2012 07:40	Katheryne V Sponheimer	1
00368	Nitrate Nitrogen	EPA 300.0	1	12180621901A	06/28/2012 12:05	Clinton M Wilson	5
00228	Sulfate	EPA 300.0	1	12180621901A	06/28/2012 12:05	Clinton M Wilson	5
00273	Total Organic Carbon	SM20 5310 C	1	12186049501A	07/04/2012 05:37	James S Mathiot	1
12150	Total Alkalinity	SM20 2320 B	1	12185002203A	07/03/2012 17:16	Susan A Engle	1
12149	Bicarbonate Alkalinity	SM20 2320 B	1	12185002203A	07/03/2012 17:16	Susan A Engle	1
00230	Sulfide	SM20 4500 S2 D	1	12184023002A	07/02/2012 12:00	Michele L Graham	1

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Analysis Report

Sample Description: MW-X10A-W-120626 Filtered Grab Water
Facility# 206265 BBLW
1520 Powell St-Emeryville SLT2007076 MW-X10A

LLI Sample # WW 6703263
LLI Group # 1318549
Account # 11964

Project Name: 206265

Collected: 06/26/2012 15:00 by SK

Submitted: 06/27/2012 09:25
Reported: 07/11/2012 17:23

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L4310
6001 Bollinger Canyon Road
San Ramon CA 94583

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
Metals Dissolved	**EPA 200.7 rev 4.4**		ug/l	ug/l	
01754	Iron	7439-89-6	N.D.	33.3	1
07058	Manganese	7439-96-5	289	0.83	1

General Sample Comments

State of California Lab Certification No. 2501
This sample was field filtered for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
01754	Iron	EPA 200.7 rev 4.4	1	121815716007	07/02/2012 21:21	John P Hook	1
07058	Manganese	EPA 200.7 rev 4.4	1	121815716007	07/02/2012 21:21	John P Hook	1
05716	EPA 600 ICP Digest (tot rec)	EPA 200.7 rev 4.4	1	121815716007	07/01/2012 22:00	Annamaria Stipkovits	1

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Analysis Report

Sample Description: Dup-1-WD-120626 Grab Water
Facility# 206265 BBLW
1520 Powell St-Emeryville SLT2007076 Dup-1

LLI Sample # WW 6703264
LLI Group # 1318549
Account # 11964

Project Name: 206265

Collected: 06/26/2012 12:30 by SK

Submitted: 06/27/2012 09:25
Reported: 07/11/2012 17:23

Chevron
L4310
6001 Bollinger Canyon Road
San Ramon CA 94583

MXFD1

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		ug/l	ug/l	
10905	Acetone	67-64-1	N.D.	6	1
10905	t-Amyl methyl ether	994-05-8	N.D.	0.5	1
10905	Benzene	71-43-2	N.D.	0.5	1
10905	Bromobenzene	108-86-1	N.D.	1	1
10905	Bromochloromethane	74-97-5	N.D.	1	1
10905	Bromodichloromethane	75-27-4	N.D.	1	1
10905	Bromoform	75-25-2	N.D.	1	1
10905	Bromomethane	74-83-9	N.D.	1	1
10905	2-Butanone	78-93-3	N.D.	3	1
10905	t-Butyl alcohol	75-65-0	N.D.	5	1
10905	n-Butylbenzene	104-51-8	N.D.	1	1
10905	sec-Butylbenzene	135-98-8	N.D.	1	1
10905	tert-Butylbenzene	98-06-6	N.D.	1	1
10905	Carbon Disulfide	75-15-0	N.D.	1	1
10905	Carbon Tetrachloride	56-23-5	N.D.	1	1
10905	Chlorobenzene	108-90-7	N.D.	0.8	1
10905	Chloroethane	75-00-3	N.D.	1	1
10905	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.				
10905	Chloroform	67-66-3	N.D.	0.8	1
10905	Chloromethane	74-87-3	N.D.	1	1
10905	2-Chlorotoluene	95-49-8	N.D.	1	1
10905	4-Chlorotoluene	106-43-4	N.D.	1	1
10905	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	2	1
10905	Dibromochloromethane	124-48-1	N.D.	1	1
10905	1,2-Dibromoethane	106-93-4	N.D.	0.5	1
10905	Dibromomethane	74-95-3	N.D.	1	1
10905	1,2-Dichlorobenzene	95-50-1	N.D.	1	1
10905	1,3-Dichlorobenzene	541-73-1	N.D.	1	1
10905	1,4-Dichlorobenzene	106-46-7	N.D.	1	1
10905	Dichlorodifluoromethane	75-71-8	N.D.	2	1
10905	1,1-Dichloroethane	75-34-3	N.D.	1	1
10905	1,2-Dichloroethane	107-06-2	N.D.	0.5	1
10905	1,1-Dichloroethene	75-35-4	N.D.	0.8	1
10905	cis-1,2-Dichloroethene	156-59-2	2	0.8	1
10905	trans-1,2-Dichloroethene	156-60-5	0.8	0.8	1
10905	1,2-Dichloropropane	78-87-5	N.D.	1	1
10905	1,3-Dichloropropane	142-28-9	N.D.	1	1
10905	2,2-Dichloropropane	594-20-7	N.D.	1	1
10905	1,1-Dichloropropene	563-58-6	N.D.	1	1
10905	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	1
10905	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	1
10905	Ethanol	64-17-5	N.D.	50	1
10905	Ethyl t-butyl ether	637-92-3	N.D.	0.5	1
10905	Ethylbenzene	100-41-4	N.D.	0.5	1
10905	Freon 113	76-13-1	N.D.	2	1
10905	Hexachlorobutadiene	87-68-3	N.D.	2	1
10905	2-Hexanone	591-78-6	N.D.	3	1
10905	di-Isopropyl ether	108-20-3	N.D.	0.5	1

Sample Description: Dup-1-WD-120626 Grab Water
Facility# 206265 BBLW
1520 Powell St-Emeryville SLT2007076 Dup-1

LLI Sample # WW 6703264
LLI Group # 1318549
Account # 11964

Project Name: 206265

Collected: 06/26/2012 12:30 by SK

Submitted: 06/27/2012 09:25
Reported: 07/11/2012 17:23

Chevron
L4310
6001 Bollinger Canyon Road
San Ramon CA 94583

MXFD1

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10905	Isopropylbenzene	98-82-8	N.D.	1	1
10905	p-Isopropyltoluene	99-87-6	N.D.	1	1
10905	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	1
10905	4-Methyl-2-pentanone	108-10-1	N.D.	3	1
10905	Methylene Chloride	75-09-2	N.D.	2	1
10905	Naphthalene	91-20-3	N.D.	1	1
10905	n-Propylbenzene	103-65-1	N.D.	1	1
10905	Styrene	100-42-5	N.D.	1	1
10905	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1	1
10905	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	1
10905	Tetrachloroethene	127-18-4	N.D.	0.8	1
10905	Toluene	108-88-3	N.D.	0.5	1
10905	1,2,3-Trichlorobenzene	87-61-6	N.D.	1	1
10905	1,2,4-Trichlorobenzene	120-82-1	N.D.	1	1
10905	1,1,1-Trichloroethane	71-55-6	0.8	0.8	1
10905	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	1
10905	Trichloroethene	79-01-6	5	1	1
10905	Trichlorofluoromethane	75-69-4	N.D.	2	1
10905	1,2,3-Trichloropropane	96-18-4	N.D.	1	1
10905	1,2,4-Trimethylbenzene	95-63-6	N.D.	1	1
10905	1,3,5-Trimethylbenzene	108-67-8	N.D.	1	1
10905	Vinyl Chloride	75-01-4	N.D.	1	1
10905	m+p-Xylene	n.a.	N.D.	0.5	1
10905	o-Xylene	95-47-6	N.D.	0.5	1
GC Volatiles	**SW-846 8015B**		**ug/l**	**ug/l**	
01728	TPH-GRO N. CA water C6-C12	n.a.	N.D.	50	1
GC Miscellaneous	**RSKSOP-175 08/11/94 modified**		**ug/l**	**ug/l**	
07105	Ethane	74-84-0	N.D.	1.0	1
07105	Ethene	74-85-1	N.D.	1.0	1
07105	Methane	74-82-8	N.D.	5.0	1
GC Petroleum Hydrocarbons	**SW-846 8015B modified**		**ug/l**	**ug/l**	
02740	C11-C36	n.a.	N.D.	49	1
02740	Total TPH	n.a.	N.D.	49	1
The reverse surrogate, capric acid, is present at <1%.					
Wet Chemistry	**EPA 300.0**		**ug/l**	**ug/l**	
00368	Nitrate Nitrogen	14797-55-8	560	250	5
00228	Sulfate	14808-79-8	73,300	1,500	5
	SM20 5310 C		**ug/l**	**ug/l**	
00273	Total Organic Carbon	n.a.	14,000	500	1

Sample Description: Dup-1-WD-120626 Grab Water
Facility# 206265 BBLW
1520 Powell St-Emeryville SLT2007076 Dup-1

LLI Sample # WW 6703264
LLI Group # 1318549
Account # 11964

Project Name: 206265

Collected: 06/26/2012 12:30 by SK

Submitted: 06/27/2012 09:25
Reported: 07/11/2012 17:23

Chevron
L4310
6001 Bollinger Canyon Road
San Ramon CA 94583

MXFD1

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
Wet Chemistry	**SM20 2320 B**		**ug/l as CaCO3**	**ug/l as CaCO3**	
12150	Total Alkalinity	n.a.	394,000	700	1
12149	Bicarbonate Alkalinity	n.a.	394,000	700	1
	SM20 4500 S2 D		**ug/l**	**ug/l**	
00230	Sulfide	18496-25-8	N.D.	54	1

General Sample Comments

State of California Lab Certification No. 2501

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10905	8260 Full List w/ Sep. Xylenes	SW-846 8260B	1	W121922AA	07/10/2012 15:51	Emily R Styer	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	W121922AA	07/10/2012 15:51	Emily R Styer	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	12185A07A	07/05/2012 14:41	Catherine J Schwarz	1
01146	GC VOA Water Prep	SW-846 5030B	1	12185A07A	07/05/2012 14:41	Catherine J Schwarz	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 08/11/94 modified	1	121870021A	07/06/2012 00:44	Nicholas R Rossi	1
02740	Custom TPH with Ranges (Water)	SW-846 8015B modified	1	121800030A	07/03/2012 22:45	Heather E Williams	1
11181	Custom TPH w/ Ranges Water Ext	SW-846 3510C	1	121800030A	06/29/2012 07:40	Katheryne V Sponheimer	1
00368	Nitrate Nitrogen	EPA 300.0	1	12180621901A	06/28/2012 12:19	Clinton M Wilson	5
00228	Sulfate	EPA 300.0	1	12180621901A	06/28/2012 12:19	Clinton M Wilson	5
00273	Total Organic Carbon	SM20 5310 C	1	12186049501B	07/04/2012 05:50	James S Mathiot	1
12150	Total Alkalinity	SM20 2320 B	1	12185002203A	07/03/2012 17:41	Susan A Engle	1
12149	Bicarbonate Alkalinity	SM20 2320 B	1	12185002203A	07/03/2012 17:41	Susan A Engle	1
00230	Sulfide	SM20 4500 S2 D	1	12184023002A	07/02/2012 12:00	Michele L Graham	1

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Analysis Report

Sample Description: Dup-1-WD-120626 Filtered Grab Water
Facility# 206265 BBLW
1520 Powell St-Emeryville SLT2007076 Dup-1

LLI Sample # WW 6703265
LLI Group # 1318549
Account # 11964

Project Name: 206265

Collected: 06/26/2012 12:30 by SK

Submitted: 06/27/2012 09:25
Reported: 07/11/2012 17:23

Chevron
L4310
6001 Bollinger Canyon Road
San Ramon CA 94583

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
Metals Dissolved	**EPA 200.7 rev 4.4**		ug/l	ug/l	
01754	Iron	7439-89-6	N.D.	33.3	1
07058	Manganese	7439-96-5	2.6	0.83	1

General Sample Comments

State of California Lab Certification No. 2501
This sample was field filtered for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
01754	Iron	EPA 200.7 rev 4.4	1	121815716007	07/02/2012 21:25	John P Hook	1
07058	Manganese	EPA 200.7 rev 4.4	1	121815716007	07/02/2012 21:25	John P Hook	1
05716	EPA 600 ICP Digest (tot rec)	EPA 200.7 rev 4.4	1	121815716007	07/01/2012 22:00	Annamaria Stipkovits	1

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Analysis Report

Sample Description: QA-T-120626 NA Water
Facility# 206265 BBLW
1520 Powell St-Emeryville SLT2007076 QA

LLI Sample # WW 6703266
LLI Group # 1318549
Account # 11964

Project Name: 206265

Collected: 06/26/2012 15:30

Submitted: 06/27/2012 09:25
Reported: 07/11/2012 17:23

Chevron
L4310
6001 Bollinger Canyon Road
San Ramon CA 94583

MXTRB

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10905	Acetone	67-64-1	N.D.	6	1
10905	t-Amyl methyl ether	994-05-8	N.D.	0.5	1
10905	Benzene	71-43-2	N.D.	0.5	1
10905	Bromobenzene	108-86-1	N.D.	1	1
10905	Bromochloromethane	74-97-5	N.D.	1	1
10905	Bromodichloromethane	75-27-4	N.D.	1	1
10905	Bromoform	75-25-2	N.D.	1	1
10905	Bromomethane	74-83-9	N.D.	1	1
10905	2-Butanone	78-93-3	N.D.	3	1
10905	t-Butyl alcohol	75-65-0	N.D.	5	1
10905	n-Butylbenzene	104-51-8	N.D.	1	1
10905	sec-Butylbenzene	135-98-8	N.D.	1	1
10905	tert-Butylbenzene	98-06-6	N.D.	1	1
10905	Carbon Disulfide	75-15-0	N.D.	1	1
10905	Carbon Tetrachloride	56-23-5	N.D.	1	1
10905	Chlorobenzene	108-90-7	N.D.	0.8	1
10905	Chloroethane	75-00-3	N.D.	1	1
10905	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.				
10905	Chloroform	67-66-3	N.D.	0.8	1
10905	Chloromethane	74-87-3	N.D.	1	1
10905	2-Chlorotoluene	95-49-8	N.D.	1	1
10905	4-Chlorotoluene	106-43-4	N.D.	1	1
10905	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	2	1
10905	Dibromochloromethane	124-48-1	N.D.	1	1
10905	1,2-Dibromoethane	106-93-4	N.D.	0.5	1
10905	Dibromomethane	74-95-3	N.D.	1	1
10905	1,2-Dichlorobenzene	95-50-1	N.D.	1	1
10905	1,3-Dichlorobenzene	541-73-1	N.D.	1	1
10905	1,4-Dichlorobenzene	106-46-7	N.D.	1	1
10905	Dichlorodifluoromethane	75-71-8	N.D.	2	1
10905	1,1-Dichloroethane	75-34-3	N.D.	1	1
10905	1,2-Dichloroethane	107-06-2	N.D.	0.5	1
10905	1,1-Dichloroethene	75-35-4	N.D.	0.8	1
10905	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	1
10905	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	1
10905	1,2-Dichloropropane	78-87-5	N.D.	1	1
10905	1,3-Dichloropropane	142-28-9	N.D.	1	1
10905	2,2-Dichloropropane	594-20-7	N.D.	1	1
10905	1,1-Dichloropropene	563-58-6	N.D.	1	1
10905	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	1
10905	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	1
10905	Ethanol	64-17-5	N.D.	50	1
10905	Ethyl t-butyl ether	637-92-3	N.D.	0.5	1
10905	Ethylbenzene	100-41-4	N.D.	0.5	1
10905	Freon 113	76-13-1	N.D.	2	1
10905	Hexachlorobutadiene	87-68-3	N.D.	2	1
10905	2-Hexanone	591-78-6	N.D.	3	1
10905	di-Isopropyl ether	108-20-3	N.D.	0.5	1

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Analysis Report

Sample Description: QA-T-120626 NA Water
Facility# 206265 BBLW
1520 Powell St-Emeryville SLT2007076 QA

LLI Sample # WW 6703266
LLI Group # 1318549
Account # 11964

Project Name: 206265

Collected: 06/26/2012 15:30

Submitted: 06/27/2012 09:25
Reported: 07/11/2012 17:23

Chevron
L4310
6001 Bollinger Canyon Road
San Ramon CA 94583

MXTRB

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		ug/l	ug/l	
10905	Isopropylbenzene	98-82-8	N.D.	1	1
10905	p-Isopropyltoluene	99-87-6	N.D.	1	1
10905	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	1
10905	4-Methyl-2-pentanone	108-10-1	N.D.	3	1
10905	Methylene Chloride	75-09-2	N.D.	2	1
10905	Naphthalene	91-20-3	N.D.	1	1
10905	n-Propylbenzene	103-65-1	N.D.	1	1
10905	Styrene	100-42-5	N.D.	1	1
10905	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1	1
10905	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	1
10905	Tetrachloroethene	127-18-4	N.D.	0.8	1
10905	Toluene	108-88-3	N.D.	0.5	1
10905	1,2,3-Trichlorobenzene	87-61-6	N.D.	1	1
10905	1,2,4-Trichlorobenzene	120-82-1	N.D.	1	1
10905	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	1
10905	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	1
10905	Trichloroethene	79-01-6	N.D.	1	1
10905	Trichlorofluoromethane	75-69-4	N.D.	2	1
10905	1,2,3-Trichloropropane	96-18-4	N.D.	1	1
10905	1,2,4-Trimethylbenzene	95-63-6	N.D.	1	1
10905	1,3,5-Trimethylbenzene	108-67-8	N.D.	1	1
10905	Vinyl Chloride	75-01-4	N.D.	1	1
10905	m+p-Xylene	n.a.	3	0.5	1
10905	o-Xylene	95-47-6	N.D.	0.5	1
GC Volatiles	**SW-846 8015B**		ug/l	ug/l	
01728	TPH-GRO N. CA water C6-C12	n.a.	N.D.	50	1

General Sample Comments

State of California Lab Certification No. 2501

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10905	8260 Full List w/ Sep. Xylenes	SW-846 8260B	1	W121922AA	07/10/2012 16:14	Emily R Styer	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	W121922AA	07/10/2012 16:14	Emily R Styer	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	12185A07A	07/05/2012 12:59	Catherine J Schwarz	1
01146	GC VOA Water Prep	SW-846 5030B	1	12185A07A	07/05/2012 12:59	Catherine J Schwarz	1

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Quality Control Summary

Client Name: Chevron Group Number: 1318549
Reported: 07/11/12 at 05:23 PM

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: W121922AA	Sample number(s): 6703260,6703262,6703264,6703266							
Acetone	N.D.	6.	ug/l	80		38-212		
t-Amyl methyl ether	N.D.	0.5	ug/l	104		66-120		
Benzene	N.D.	0.5	ug/l	108		77-121		
Bromobenzene	N.D.	1.	ug/l	108		80-120		
Bromochloromethane	N.D.	1.	ug/l	99		77-130		
Bromodichloromethane	N.D.	1.	ug/l	98		73-120		
Bromoform	N.D.	1.	ug/l	85		61-120		
Bromomethane	N.D.	1.	ug/l	77		44-120		
2-Butanone	N.D.	3.	ug/l	79		53-155		
t-Butyl alcohol	N.D.	5.	ug/l	112		68-125		
n-Butylbenzene	N.D.	1.	ug/l	100		73-130		
sec-Butylbenzene	N.D.	1.	ug/l	102		74-124		
tert-Butylbenzene	N.D.	1.	ug/l	98		80-120		
Carbon Disulfide	N.D.	1.	ug/l	105		62-125		
Carbon Tetrachloride	N.D.	1.	ug/l	100		67-122		
Chlorobenzene	N.D.	0.8	ug/l	106		80-120		
Chloroethane	N.D.	1.	ug/l	74		49-129		
2-Chloroethyl Vinyl Ether	N.D.	2.	ug/l	166*		56-129		
Chloroform	N.D.	0.8	ug/l	104		77-122		
Chloromethane	N.D.	1.	ug/l	67		60-129		
2-Chlorotoluene	N.D.	1.	ug/l	104		80-120		
4-Chlorotoluene	N.D.	1.	ug/l	106		80-120		
1,2-Dibromo-3-chloropropane	N.D.	2.	ug/l	94		56-126		
Dibromochloromethane	N.D.	1.	ug/l	98		72-120		
1,2-Dibromoethane	N.D.	0.5	ug/l	102		76-120		
Dibromomethane	N.D.	1.	ug/l	99		80-120		
1,2-Dichlorobenzene	N.D.	1.	ug/l	102		80-120		
1,3-Dichlorobenzene	N.D.	1.	ug/l	100		80-120		
1,4-Dichlorobenzene	N.D.	1.	ug/l	101		80-120		
Dichlorodifluoromethane	N.D.	2.	ug/l	83		47-120		
1,1-Dichloroethane	N.D.	1.	ug/l	108		79-120		
1,2-Dichloroethane	N.D.	0.5	ug/l	121		64-130		
1,1-Dichloroethene	N.D.	0.8	ug/l	95		80-120		
cis-1,2-Dichloroethene	N.D.	0.8	ug/l	103		80-120		
trans-1,2-Dichloroethene	N.D.	0.8	ug/l	102		80-120		
1,2-Dichloropropane	N.D.	1.	ug/l	102		80-120		
1,3-Dichloropropane	N.D.	1.	ug/l	112		80-120		
2,2-Dichloropropane	N.D.	1.	ug/l	106		67-124		
1,1-Dichloropropene	N.D.	1.	ug/l	111		80-120		
cis-1,3-Dichloropropene	N.D.	1.	ug/l	106		78-120		
trans-1,3-Dichloropropene	N.D.	1.	ug/l	104		79-120		
Ethanol	N.D.	50.	ug/l	80		54-149		
Ethyl t-butyl ether	N.D.	0.5	ug/l	105		66-120		
Ethylbenzene	N.D.	0.5	ug/l	106		79-120		
Freon 113	N.D.	2.	ug/l	101		69-128		

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: Chevron Group Number: 1318549
Reported: 07/11/12 at 05:23 PM

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Hexachlorobutadiene	N.D.	2.	ug/l	84		58-120		
2-Hexanone	N.D.	3.	ug/l	84		53-139		
di-Isopropyl ether	N.D.	0.5	ug/l	89		71-124		
Isopropylbenzene	N.D.	1.	ug/l	99		77-120		
p-Isopropyltoluene	N.D.	1.	ug/l	101		77-121		
Methyl Tertiary Butyl Ether	N.D.	0.5	ug/l	108		68-121		
4-Methyl-2-pentanone	N.D.	3.	ug/l	80		58-133		
Methylene Chloride	N.D.	2.	ug/l	100		80-126		
Naphthalene	N.D.	1.	ug/l	85		47-126		
n-Propylbenzene	N.D.	1.	ug/l	108		77-130		
Styrene	N.D.	1.	ug/l	99		77-120		
1,1,1,2-Tetrachloroethane	N.D.	1.	ug/l	102		79-120		
1,1,2,2-Tetrachloroethane	N.D.	1.	ug/l	105		75-123		
Tetrachloroethene	N.D.	0.8	ug/l	102		79-120		
Toluene	N.D.	0.5	ug/l	110		79-120		
1,2,3-Trichlorobenzene	N.D.	1.	ug/l	91		71-120		
1,2,4-Trichlorobenzene	N.D.	1.	ug/l	94		72-120		
1,1,1-Trichloroethane	N.D.	0.8	ug/l	98		70-121		
1,1,2-Trichloroethane	N.D.	0.8	ug/l	103		80-120		
Trichloroethene	N.D.	1.	ug/l	101		80-120		
Trichlorofluoromethane	N.D.	2.	ug/l	104		56-128		
1,2,3-Trichloropropane	N.D.	1.	ug/l	111		76-120		
1,2,4-Trimethylbenzene	N.D.	1.	ug/l	106		69-122		
1,3,5-Trimethylbenzene	N.D.	1.	ug/l	108		68-124		
Vinyl Chloride	N.D.	1.	ug/l	83		56-123		
m+p-Xylene	N.D.	0.5	ug/l	105		77-120		
o-Xylene	N.D.	0.5	ug/l	102		77-120		
Batch number: 12185A07A	Sample number(s): 6703260,6703262,6703264,6703266							
TPH-GRO N. CA water C6-C12	N.D.	50.	ug/l	118	118	75-135	0	30
Batch number: 121870021A	Sample number(s): 6703260,6703262,6703264							
Ethane	N.D.	1.0	ug/l	100		80-120		
Ethene	N.D.	1.0	ug/l	97		75-130		
Methane	N.D.	5.0	ug/l	102		80-120		
Batch number: 121800030A	Sample number(s): 6703260,6703262,6703264							
C11-C36	N.D.	50.	ug/l					
Total TPH	N.D.	50.	ug/l	81	99	52-119	19	20
Batch number: 121815716007	Sample number(s): 6703261,6703263,6703265							
Iron	N.D.	33.3	ug/l	102		90-110		
Manganese	N.D.	0.83	ug/l	99		85-115		
Batch number: 12180621901A	Sample number(s): 6703260,6703262,6703264							
Nitrate Nitrogen	N.D.	50.	ug/l	102		90-110		
Sulfate	N.D.	300.	ug/l	102		90-110		
Batch number: 12186049501A	Sample number(s): 6703260,6703262							
Total Organic Carbon	N.D.	500.	ug/l	103		91-113		
Batch number: 12186049501B	Sample number(s): 6703264							
Total Organic Carbon	N.D.	500.	ug/l	103		91-113		
Batch number: 12184023002A	Sample number(s): 6703260,6703262,6703264							
Sulfide	N.D.	54.	ug/l	95		90-110		
Batch number: 12185002203A	Sample number(s): 6703260,6703262,6703264							

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: Chevron Group Number: 1318549
Reported: 07/11/12 at 05:23 PM

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Total Alkalinity	980	700.	ug/l as CaCO3	99		90-110		

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: W121922AA	Sample number(s): 6703260,6703262,6703264,6703266 UNSPK: P704875								
Acetone	68 (2)	-137 (2)	52-139	22	30				
t-Amyl methyl ether	103	102	65-117	1	30				
Benzene	112	112	72-134	0	30				
Bromobenzene	109	108	82-115	0	30				
Bromochloromethane	98	97	76-134	1	30				
Bromodichloromethane	99	98	78-125	1	30				
Bromoform	79	80	48-118	1	30				
Bromomethane	88	81	38-149	8	30				
2-Butanone	67	67	57-138	1	30				
t-Butyl alcohol	100	104	67-119	4	30				
n-Butylbenzene	107	106	73-128	1	30				
sec-Butylbenzene	107	104	79-125	3	30				
tert-Butylbenzene	100	101	81-121	0	30				
Carbon Disulfide	115	114	67-135	2	30				
Carbon Tetrachloride	111	109	72-135	2	30				
Chlorobenzene	110	109	87-124	0	30				
Chloroethane	82	81	51-145	1	30				
2-Chloroethyl Vinyl Ether	24	21	10-151	11	30				
Chloroform	109	108	81-134	1	30				
Chloromethane	72	73	67-154	1	30				
2-Chlorotoluene	108	104	82-118	4	30				
4-Chlorotoluene	109	107	84-122	2	30				
1,2-Dibromo-3-chloropropane	88	89	54-134	2	30				
Dibromochloromethane	96	96	74-116	0	30				
1,2-Dibromoethane	98	100	77-116	2	30				
Dibromomethane	99	99	83-119	0	30				
1,2-Dichlorobenzene	100	100	84-119	0	30				
1,3-Dichlorobenzene	101	101	86-121	1	30				
1,4-Dichlorobenzene	103	102	85-121	1	30				
Dichlorodifluoromethane	98	95	52-129	4	30				
1,1-Dichloroethane	118	119	84-129	1	30				
1,2-Dichloroethane	124	123	68-131	1	30				
1,1-Dichloroethene	107	106	85-142	1	30				
cis-1,2-Dichloroethene	71*	127*	85-125	27	30				
trans-1,2-Dichloroethene	111	106	87-126	4	30				
1,2-Dichloropropane	103	103	83-124	0	30				
1,3-Dichloropropane	108	110	81-120	3	30				
2,2-Dichloropropane	113	114	69-135	1	30				
1,1-Dichloropropene	120	118	86-137	1	30				
cis-1,3-Dichloropropene	104	102	70-116	2	30				
trans-1,3-Dichloropropene	101	100	74-119	1	30				
Ethanol	59	51*	53-146	15	30				

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

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Quality Control Summary

Client Name: Chevron Group Number: 1318549
Reported: 07/11/12 at 05:23 PM

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Ethyl t-butyl ether	107	104	74-122	4	30				
Ethylbenzene	110	112	71-134	2	30				
Freon 113	108	119	89-148	6	30				
Hexachlorobutadiene	87	93	56-134	7	30				
2-Hexanone	74	76	55-127	3	30				
di-Isopropyl ether	92	91	70-129	1	30				
Isopropylbenzene	103	104	75-128	0	30				
p-Isopropyltoluene	105	104	76-123	1	30				
Methyl Tertiary Butyl Ether	109	108	72-126	2	30				
4-Methyl-2-pentanone	72	74	63-123	3	30				
Methylene Chloride	108	102	78-133	6	30				
Naphthalene	85	84	52-125	1	30				
n-Propylbenzene	113	110	74-134	3	30				
Styrene	102	102	78-125	0	30				
1,1,1,2-Tetrachloroethane	103	102	82-119	1	30				
1,1,2,2-Tetrachloroethane	99	102	72-128	3	30				
Tetrachloroethene	109	111	80-128	2	30				
Toluene	113	116	80-125	2	30				
1,2,3-Trichlorobenzene	91	90	69-119	2	30				
1,2,4-Trichlorobenzene	93	95	70-124	2	30				
1,1,1-Trichloroethane	105	104	74-131	1	30				
1,1,2-Trichloroethane	101	102	77-124	1	30				
Trichloroethene	110	110	88-133	0	30				
Trichlorofluoromethane	121	117	64-146	4	30				
1,2,3-Trichloropropane	104	105	76-118	2	30				
1,2,4-Trimethylbenzene	109	107	72-130	2	30				
1,3,5-Trimethylbenzene	110	109	76-120	1	30				
Vinyl Chloride	91	93	66-133	2	30				
m+p-Xylene	108	108	79-125	0	30				
o-Xylene	107	106	79-125	1	30				
Batch number: 121870021A	Sample number(s): 6703260,6703262,6703264 UNSPK: P703177								
Ethane	59	58	34-153	3	20				
Ethene	49	64	35-162	9	20				
Methane	-1999 (2)	-1666 (2)	35-157	18	20				
Batch number: 121815716007	Sample number(s): 6703261,6703263,6703265 UNSPK: P706912 BKG: P706912								
Iron	99		70-130			110	116	5 (1)	20
Manganese	98		70-130			131	132	1	20
Batch number: 12180621901A	Sample number(s): 6703260,6703262,6703264 UNSPK: P704179 BKG: P704179								
Nitrate Nitrogen	103		90-110			2,000	2,000	1 (1)	20
Sulfate	105		90-110			26,600	26,700	1	20
Batch number: 12186049501A	Sample number(s): 6703260,6703262 UNSPK: 6703260 BKG: 6703260								
Total Organic Carbon	102		63-142			13,900	14,300	3	3
Batch number: 12186049501B	Sample number(s): 6703264 UNSPK: P704069 BKG: P704069								
Total Organic Carbon	102		63-142			2,300	1,900	20* (1)	3
Batch number: 12184023002A	Sample number(s): 6703260,6703262,6703264 UNSPK: 6703260 BKG: 6703260								
Sulfide	91	96	43-137	5	16	N.D.	N.D.	0 (1)	5

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: Chevron Group Number: 1318549
Reported: 07/11/12 at 05:23 PM

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: 12185002203A	Sample number(s): 6703260,6703262,6703264 UNSPK: P704532 BKG: 6703264								
Total Alkalinity	44*	45*	73-121	0	5	394,000	396,000	1	5

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed
unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: VOCs by 8260B(Extended) -Water
Batch number: W121922AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
6703260	101	104	105	102
6703262	99	102	105	102
6703264	100	103	106	104
6703266	101	101	108	105
Blank	100	100	106	104
LCS	100	101	108	105
MS	102	103	107	105
MSD	101	102	109	106
Limits:	80-116	77-113	80-113	78-113

Analysis Name: TPH-GRO N. CA water C6-C12
Batch number: 12185A07A

	Trifluorotoluene-F
6703260	92
6703262	91
6703264	91
6703266	90
Blank	88
LCS	100
LCSD	100
Limits:	63-135

Analysis Name: Custom TPH with Ranges (Water)
Batch number: 121800030A

	Chlorobenzene	Orthoterphenyl
6703260	75	88
6703262	74	88
6703264	79	90
Blank	85	107
LCS	76	91
LCSD	87	108
Limits:	28-152	52-131

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

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Quality Control Summary

Client Name: Chevron Group Number: 1318549
Reported: 07/11/12 at 05:23 PM

Surrogate Quality Control

Analysis Name: Volatile Headspace Hydrocarbon
Batch number: 121870021A

	Propene
6703260	62
6703262	62
6703264	82
Blank	113
LCS	109
MS	60
MSD	60
Limits:	42-131

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Chevron California Region Analysis Request/Chain of Custody

247899

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Where quality is a science.

06261202 (Lancaster)

For Lancaster Laboratories use only
Acct. #: 11964 Sample #: 6703260-66 SCR#:

C# 1318549

Facility #: 206265
Site Address: 1520 Powell Street, Emeryville, CA
Chevron PM: Katalina Espino Lead Consultant: ARCADIS
Consultant/Office: 2999 Oak Road, Suite 300, Walnut Creek, CA
Consultant Prj. Mgr.: Melissa Blanchette
Consultant Phone #: 925 274 1100 Fax #: 925.274.1103
Sampler: SK / HT
Service Order #: ☐ Non SAR:

Analyses Requested

Preservation Codes

Field Point Name	Matrix	Repeat Sample	Top Depth	Year Month Day	Time Collected	New Field Pt.	Grab	Composite	Total Number of Containers	BTEX + MTBE 8260 ☐ 8021 ☐	TPH 8015 MOD GRO	TPH 8015 MOD DRO ☐ Silica Gel Cleanup	8260 full scan	Oxygenates ___	Lead 7420 ☐ 7421 ☐	Methane, Ethane, Ethene	Alkalinity + Bicarbonate	1-2 Metals Fe/Mn *	Sulfate + Nitrate Nitrogen	Sulfide	TOC
MW-X11A	W			2012 06 26	1210		X		17	X	X	X	X			X	X	X	X	X	X
MW-X10A	W			2012 06 26	1500		X		17	X	X	X	X			X	X	X	X	X	X
Dup-1	W			2012 06 26	1230		X		17	X	X	X	X			X	X	X	X	X	X
TB-20120626	W			2012 06 26	1530		X		2		X		X								

Preservative Codes
H = HCl T = Thiosulfate
N = HNO_3 B = NaOH
S = H_2SO_4 O = Other

☐ J value reporting needed
☐ Must meet lowest detection limits possible for 8260 compounds

8021 MTBE Confirmation
☐ Confirm highest hit by 8260
☐ Confirm all hits by 8260
☐ Run ___ oxy's on highest hit
☐ Run ___ oxy's on all hits

Comments / Remarks
* Field Filtered

Standard TAT. TPH analyzed with silica gel per A. Tan 6/27/12

Turnaround Time Requested (TAT) (please circle)
STD. TAT 72 hour (48 hour) 24 hour 4 day 5 day

Data Package Options (please circle if required)
QC Summary Type I – Full
Type VI (Raw Data) ☐ Coelt Deliverable not needed
WIP (RWQCB)
Disk

	Relinquished by:	Date	Time	Received by:	Date	Time
1	Sheida Kalbassi	06/26/12	1515		6/26/12	1515
2		6/26/12	1830	FE		
3						

Relinquished by Commercial Carrier: UPS (FedEx) Other ___
Temperature Upon Receipt 2.0-3.1 C°

Received by: Date 6/27/12 Time 925
Custody Seals Intact? (Yes) No

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Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

RL	Reporting Limit	**BMQL**	Below Minimum Quantitation Level
N.D.	none detected	**MPN**	Most Probable Number
TNTC	Too Numerous To Count	**CP Units**	cobalt-chloroplatinate units
IU	International Units	**NTU**	nephelometric turbidity units
umhos/cm	micromhos/cm	**ng**	nanogram(s)
C	degrees Celsius	**F**	degrees Fahrenheit
meq	milliequivalents	**lb.**	pound(s)
g	gram(s)	**kg**	kilogram(s)
µg	microgram(s)	**mg**	milligram(s)
mL	milliliter(s)	**L**	liter(s)
m3	cubic meter(s)	**µL**	microliter(s)
		pg/L	picogram/liter

< less than - The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

> greater than

ppm parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.

ppb parts per billion

Dry weight basis Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.

Data Qualifiers:

C – result confirmed by reanalysis.

J - estimated value – The result is ≥ the Method Detection Limit (MDL) and < the Limit of Quantitation (LOQ).

U.S. EPA CLP Data Qualifiers:

Organic Qualifiers		Inorganic Qualifiers	
A	TIC is a possible aldol-condensation product	**B**	Value is <CRDL, but ≥IDL
B	Analyte was also detected in the blank	**E**	Estimated due to interference
C	Pesticide result confirmed by GC/MS	**M**	Duplicate injection precision not met
D	Compound quantitated on a diluted sample	**N**	Spike sample not within control limits
E	Concentration exceeds the calibration range of the instrument	**S**	Method of standard additions (MSA) used for calculation
N	Presumptive evidence of a compound (TICs only)	**U**	Compound was not detected
P	Concentration difference between primary and confirmation columns >25%	**W**	Post digestion spike out of control limits
U	Compound was not detected	*****	Duplicate analysis not within control limits
X,Y,Z	Defined in case narrative	**+**	Correlation coefficient for MSA <0.995

Analytical test results meet all requirements of NELAC unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

Times are local to the area of activity. Parameters listed in the 40 CFR part 136 Table II as “analyze immediately” are not performed within 15 minutes.

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Analysis Report

ANALYTICAL RESULTS

Prepared by:

Lancaster Laboratories
2425 New Holland Pike
Lancaster, PA 17605-2425

Prepared for:

Chevron
L4310
6001 Bollinger Canyon Road
San Ramon CA 94583

July 11, 2012

Project: 206265

Submittal Date: 06/28/2012
Group Number: 1318924
PO Number: 0015097420
Release Number: MCKENNA
State of Sample Origin: CA

Client Sample Description	Lancaster Labs (LLI) #
MW-X8-W-120627 Grab Water	6704875
MW-X8-W-120627 MS Grab Water	6704876
MW-X8-W-120627 MSD Grab Water	6704877
MW-X8-W-120627 DUP Grab Water	6704878
MW-X8-W-120627 Filtered Grab Water	6704879
MW-X8-W-120627 Filtered MS Grab Water	6704880
MW-X8-W-120627 Filtered DUP Grab Water	6704882
MW-19A-W-120627 Grab Water	6704883
MW-19A-W-120627 Filtered Grab Water	6704884
MW-X3-W-120627 Grab Water	6704885
MW-X3-W-120627 Filtered Grab Water	6704886
MW-18-W-120627 Grab Water	6704887
MW-18-W-120627 Filtered Grab Water	6704888
MW-X9-W-120627 Grab Water	6704889
MW-X9-W-120627 Filtered Grab Water	6704890
MW-X6-W-120627 Grab Water	6704891
MW-X6-W-120627 Filtered Grab Water	6704892
QA-T-120627 NA Water	6704893

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

ELECTRONIC COPY TO Arcadis Attn: Angeline Tan

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Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

ELECTRONIC COPY TO ARCADIS

Attn: Melissa Blanchette

Respectfully Submitted,

Jill M. Parker
Senior Specialist

(717) 556-7262

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Analysis Report

Sample Description: MW-X8-W-120627 Grab Water
Facility# 206265 BBLW
1520 Powell St-Emeryville SLT2007076 MW-X8

LLI Sample # WW 6704875
LLI Group # 1318924
Account # 11964

Project Name: 206265

Collected: 06/27/2012 08:00 by HT

Submitted: 06/28/2012 09:15
Reported: 07/11/2012 17:26

Chevron
L4310
6001 Bollinger Canyon Road
San Ramon CA 94583

MW-8X

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10905	Acetone	67-64-1	1,500	60	10
10905	t-Amyl methyl ether	994-05-8	N.D.	0.5	1
10905	Benzene	71-43-2	N.D.	0.5	1
10905	Bromobenzene	108-86-1	N.D.	1	1
10905	Bromochloromethane	74-97-5	N.D.	1	1
10905	Bromodichloromethane	75-27-4	N.D.	1	1
10905	Bromoform	75-25-2	N.D.	1	1
10905	Bromomethane	74-83-9	N.D.	1	1
10905	2-Butanone	78-93-3	7	3	1
10905	t-Butyl alcohol	75-65-0	N.D.	5	1
10905	n-Butylbenzene	104-51-8	N.D.	1	1
10905	sec-Butylbenzene	135-98-8	N.D.	1	1
10905	tert-Butylbenzene	98-06-6	N.D.	1	1
10905	Carbon Disulfide	75-15-0	N.D.	1	1
10905	Carbon Tetrachloride	56-23-5	N.D.	1	1
10905	Chlorobenzene	108-90-7	N.D.	0.8	1
10905	Chloroethane	75-00-3	N.D.	1	1
10905	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.				
10905	Chloroform	67-66-3	N.D.	0.8	1
10905	Chloromethane	74-87-3	N.D.	1	1
10905	2-Chlorotoluene	95-49-8	N.D.	1	1
10905	4-Chlorotoluene	106-43-4	N.D.	1	1
10905	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	2	1
10905	Dibromochloromethane	124-48-1	N.D.	1	1
10905	1,2-Dibromoethane	106-93-4	N.D.	0.5	1
10905	Dibromomethane	74-95-3	N.D.	1	1
10905	1,2-Dichlorobenzene	95-50-1	N.D.	1	1
10905	1,3-Dichlorobenzene	541-73-1	N.D.	1	1
10905	1,4-Dichlorobenzene	106-46-7	N.D.	1	1
10905	Dichlorodifluoromethane	75-71-8	N.D.	2	1
10905	1,1-Dichloroethane	75-34-3	N.D.	1	1
10905	1,2-Dichloroethane	107-06-2	N.D.	0.5	1
10905	1,1-Dichloroethene	75-35-4	N.D.	0.8	1
10905	cis-1,2-Dichloroethene	156-59-2	23	0.8	1
10905	trans-1,2-Dichloroethene	156-60-5	3	0.8	1
10905	1,2-Dichloropropane	78-87-5	N.D.	1	1
10905	1,3-Dichloropropane	142-28-9	N.D.	1	1
10905	2,2-Dichloropropane	594-20-7	N.D.	1	1
10905	1,1-Dichloropropene	563-58-6	N.D.	1	1
10905	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	1
10905	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	1
10905	Ethanol	64-17-5	N.D.	50	1
10905	Ethyl t-butyl ether	637-92-3	N.D.	0.5	1
10905	Ethylbenzene	100-41-4	N.D.	0.5	1
10905	Freon 113	76-13-1	10	2	1
10905	Hexachlorobutadiene	87-68-3	N.D.	2	1
10905	2-Hexanone	591-78-6	N.D.	3	1
10905	di-Isopropyl ether	108-20-3	N.D.	0.5	1

Sample Description: MW-X8-W-120627 Grab Water
Facility# 206265 BBLW
1520 Powell St-Emeryville SLT2007076 MW-X8

LLI Sample # WW 6704875
LLI Group # 1318924
Account # 11964

Project Name: 206265

Collected: 06/27/2012 08:00 by HT

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Chevron
L4310
6001 Bollinger Canyon Road
San Ramon CA 94583

MW-8X

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10905	Isopropylbenzene	98-82-8	N.D.	1	1
10905	p-Isopropyltoluene	99-87-6	N.D.	1	1
10905	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	1
10905	4-Methyl-2-pentanone	108-10-1	N.D.	3	1
10905	Methylene Chloride	75-09-2	N.D.	2	1
10905	Naphthalene	91-20-3	N.D.	1	1
10905	n-Propylbenzene	103-65-1	N.D.	1	1
10905	Styrene	100-42-5	N.D.	1	1
10905	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1	1
10905	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	1
10905	Tetrachloroethene	127-18-4	N.D.	0.8	1
10905	Toluene	108-88-3	N.D.	0.5	1
10905	1,2,3-Trichlorobenzene	87-61-6	N.D.	1	1
10905	1,2,4-Trichlorobenzene	120-82-1	N.D.	1	1
10905	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	1
10905	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	1
10905	Trichloroethene	79-01-6	N.D.	1	1
10905	Trichlorofluoromethane	75-69-4	N.D.	2	1
10905	1,2,3-Trichloropropane	96-18-4	N.D.	1	1
10905	1,2,4-Trimethylbenzene	95-63-6	N.D.	1	1
10905	1,3,5-Trimethylbenzene	108-67-8	N.D.	1	1
10905	Vinyl Chloride	75-01-4	3	1	1
10905	m+p-Xylene	n.a.	N.D.	0.5	1
10905	o-Xylene	95-47-6	N.D.	0.5	1
GC Volatiles	**SW-846 8015B**		**ug/l**	**ug/l**	
01728	TPH-GRO N. CA water C6-C12	n.a.	N.D.	50	1
GC Miscellaneous	**RSKSOP-175 08/11/94 modified**		**ug/l**	**ug/l**	
07105	Ethane	74-84-0	6.4	1.0	1
07105	Ethene	74-85-1	55	1.0	1
07105	Methane	74-82-8	8,400	250	50
GC Petroleum Hydrocarbons	**SW-846 8015B modified**		**ug/l**	**ug/l**	
02740	C11-C36	n.a.	N.D.	51	1
02740	Total TPH	n.a.	N.D.	51	1
The reverse surrogate, capric acid, is present at <1%.					
Wet Chemistry	**EPA 300.0**		**ug/l**	**ug/l**	
00368	Nitrate Nitrogen	14797-55-8	N.D.	250	5
00228	Sulfate	14808-79-8	3,700	1,500	5
	SM20 5310 C		**ug/l**	**ug/l**	
00273	Total Organic Carbon	n.a.	255,000	5,000	10

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MW-8X

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
Wet Chemistry	**SM20 2320 B**		**ug/l as CaCO3**	**ug/l as CaCO3**	
12150	Total Alkalinity	n.a.	850,000	700	1
12149	Bicarbonate Alkalinity	n.a.	850,000	700	1
	SM20 4500 S2 D		**ug/l**	**ug/l**	
00230	Sulfide	18496-25-8	N.D.	54	1

General Sample Comments

State of California Lab Certification No. 2501

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10905	8260 Full List w/ Sep. Xylenes	SW-846 8260B	1	W121922AA	07/10/2012 16:38	Emily R Styer	1
10905	8260 Full List w/ Sep. Xylenes	SW-846 8260B	1	W121922AA	07/11/2012 00:01	Emily R Styer	10
01163	GC/MS VOA Water Prep	SW-846 5030B	1	W121922AA	07/10/2012 16:38	Emily R Styer	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	W121922AA	07/11/2012 00:01	Emily R Styer	10
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	12191A94A	07/09/2012 16:15	Marie D John	1
01146	GC VOA Water Prep	SW-846 5030B	1	12191A94A	07/09/2012 16:15	Marie D John	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 08/11/94 modified	1	121910003A	07/09/2012 13:57	Kerrie A Freeburn	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 08/11/94 modified	1	121910003A	07/10/2012 02:21	Kerrie A Freeburn	50
02740	Custom TPH with Ranges (Water)	SW-846 8015B modified	1	121820013A	07/05/2012 02:27	Heather E Williams	1
11181	Custom TPH w/ Ranges Water Ext	SW-846 3510C	1	121820013A	07/02/2012 08:15	Catherine R Wiker	1
00368	Nitrate Nitrogen	EPA 300.0	1	12180495901A	06/29/2012 04:29	James S Mathiot	5
00228	Sulfate	EPA 300.0	1	12180495901A	06/29/2012 04:29	Clinton M Wilson	5
00273	Total Organic Carbon	SM20 5310 C	1	12187049501A	07/06/2012 01:17	James S Mathiot	10
12150	Total Alkalinity	SM20 2320 B	1	12187004202B	07/05/2012 21:29	Susan A Engle	1
12149	Bicarbonate Alkalinity	SM20 2320 B	1	12187004202B	07/05/2012 21:29	Susan A Engle	1
00230	Sulfide	SM20 4500 S2 D	1	12185023001A	07/03/2012 09:55	Susan E Hibner	1

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Facility# 206265 BBLW
1520 Powell St-Emeryville SLT2007076 MW-X8

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LLI Group # 1318924
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MW-8X

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**		**ug/l**	
10905	Acetone	67-64-1	1,600	E	6	1
10905	t-Amyl methyl ether	994-05-8	21		0.5	1
10905	Benzene	71-43-2	22		0.5	1
10905	Bromobenzene	108-86-1	22		1	1
10905	Bromochloromethane	74-97-5	20		1	1
10905	Bromodichloromethane	75-27-4	20		1	1
10905	Bromoform	75-25-2	16		1	1
10905	Bromomethane	74-83-9	18		1	1
10905	2-Butanone	78-93-3	110		3	1
10905	t-Butyl alcohol	75-65-0	200		5	1
10905	n-Butylbenzene	104-51-8	21		1	1
10905	sec-Butylbenzene	135-98-8	21		1	1
10905	tert-Butylbenzene	98-06-6	20		1	1
10905	Carbon Disulfide	75-15-0	23		1	1
10905	Carbon Tetrachloride	56-23-5	22		1	1
10905	Chlorobenzene	108-90-7	22		0.8	1
10905	Chloroethane	75-00-3	16		1	1
10905	2-Chloroethyl Vinyl Ether	110-75-8	5		2	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.					
10905	Chloroform	67-66-3	22		0.8	1
10905	Chloromethane	74-87-3	14		1	1
10905	2-Chlorotoluene	95-49-8	22		1	1
10905	4-Chlorotoluene	106-43-4	22		1	1
10905	1,2-Dibromo-3-chloropropane	96-12-8	18		2	1
10905	Dibromochloromethane	124-48-1	19		1	1
10905	1,2-Dibromoethane	106-93-4	20		0.5	1
10905	Dibromomethane	74-95-3	20		1	1
10905	1,2-Dichlorobenzene	95-50-1	20		1	1
10905	1,3-Dichlorobenzene	541-73-1	20		1	1
10905	1,4-Dichlorobenzene	106-46-7	21		1	1
10905	Dichlorodifluoromethane	75-71-8	20		2	1
10905	1,1-Dichloroethane	75-34-3	24		1	1
10905	1,2-Dichloroethane	107-06-2	25		0.5	1
10905	1,1-Dichloroethene	75-35-4	21		0.8	1
10905	cis-1,2-Dichloroethene	156-59-2	37		0.8	1
10905	trans-1,2-Dichloroethene	156-60-5	25		0.8	1
10905	1,2-Dichloropropane	78-87-5	21		1	1
10905	1,3-Dichloropropane	142-28-9	22		1	1
10905	2,2-Dichloropropane	594-20-7	23		1	1
10905	1,1-Dichloropropene	563-58-6	24		1	1
10905	cis-1,3-Dichloropropene	10061-01-5	21		1	1
10905	trans-1,3-Dichloropropene	10061-02-6	20		1	1
10905	Ethanol	64-17-5	300		50	1
10905	Ethyl t-butyl ether	637-92-3	21		0.5	1
10905	Ethylbenzene	100-41-4	22		0.5	1
10905	Freon 113	76-13-1	32		2	1
10905	Hexachlorobutadiene	87-68-3	17		2	1
10905	2-Hexanone	591-78-6	74		3	1
10905	di-Isopropyl ether	108-20-3	18		0.5	1

Sample Description: MW-X8-W-120627 MS Grab Water
Facility# 206265 BBLW
1520 Powell St-Emeryville SLT2007076 MW-X8

LLI Sample # WW 6704876
LLI Group # 1318924
Account # 11964

Project Name: 206265

Collected: 06/27/2012 08:00 by HT

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Chevron
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San Ramon CA 94583

MW-8X

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10905	Isopropylbenzene	98-82-8	21	1	1
10905	p-Isopropyltoluene	99-87-6	21	1	1
10905	Methyl Tertiary Butyl Ether	1634-04-4	22	0.5	1
10905	4-Methyl-2-pentanone	108-10-1	72	3	1
10905	Methylene Chloride	75-09-2	22	2	1
10905	Naphthalene	91-20-3	17	1	1
10905	n-Propylbenzene	103-65-1	23	1	1
10905	Styrene	100-42-5	20	1	1
10905	1,1,1,2-Tetrachloroethane	630-20-6	21	1	1
10905	1,1,2,2-Tetrachloroethane	79-34-5	20	1	1
10905	Tetrachloroethene	127-18-4	22	0.8	1
10905	Toluene	108-88-3	23	0.5	1
10905	1,2,3-Trichlorobenzene	87-61-6	18	1	1
10905	1,2,4-Trichlorobenzene	120-82-1	19	1	1
10905	1,1,1-Trichloroethane	71-55-6	21	0.8	1
10905	1,1,2-Trichloroethane	79-00-5	20	0.8	1
10905	Trichloroethene	79-01-6	22	1	1
10905	Trichlorofluoromethane	75-69-4	24	2	1
10905	1,2,3-Trichloropropane	96-18-4	21	1	1
10905	1,2,4-Trimethylbenzene	95-63-6	22	1	1
10905	1,3,5-Trimethylbenzene	108-67-8	22	1	1
10905	Vinyl Chloride	75-01-4	21	1	1
10905	m+p-Xylene	n.a.	43	0.5	1
10905	o-Xylene	95-47-6	21	0.5	1
GC Volatiles	**SW-846 8015B**		**ug/l**	**ug/l**	
01728	TPH-GRO N. CA water C6-C12	n.a.	1,200	50	1
GC Miscellaneous	**RSKSOP-175 08/11/94 modified**		**ug/l**	**ug/l**	
07105	Ethane	74-84-0	38	1.0	1
07105	Ethene	74-85-1	76	1.0	1
07105	Methane	74-82-8	3,600	5.0	1
GC Petroleum Hydrocarbons	**SW-846 8015B modified**		**ug/l**	**ug/l**	
02740	C11-C36	n.a.	810	50	1
02740	Total TPH	n.a.	810	50	1
Due to the matrix of the sample extract, capric acid recovery can not be determined.					
Wet Chemistry	**EPA 300.0**		**ug/l**	**ug/l**	
00368	Nitrate Nitrogen	14797-55-8	10,100	500	10
00228	Sulfate	14808-79-8	53,400	3,000	10
	SM20 5310 C		**ug/l**	**ug/l**	
00273	Total Organic Carbon	n.a.	520,000	12,500	25

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MW-8X

CAT No.	Analysis Name		CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
Wet Chemistry		**SM20 2320 B**		**ug/l as CaCO3**	**ug/l as CaCO3**	
12150	Total Alkalinity		n.a.	862,000	700	1
		SM20 4500 S2 D		**ug/l**	**ug/l**	
00230	Sulfide		18496-25-8	500	54	1

General Sample Comments

State of California Lab Certification No. 2501

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10905	8260 Full List w/ Sep. Xylenes	SW-846 8260B	1	W121922AA	07/10/2012 17:01	Emily R Styer	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	W121922AA	07/10/2012 17:01	Emily R Styer	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	12191A94A	07/09/2012 16:41	Marie D John	1
01146	GC VOA Water Prep	SW-846 5030B	1	12191A94A	07/09/2012 16:41	Marie D John	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 08/11/94 modified	1	121910003A	07/09/2012 14:15	Kerrie A Freeburn	1
02740	Custom TPH with Ranges (Water)	SW-846 8015B modified	1	121820013A	07/05/2012 01:39	Heather E Williams	1
11181	Custom TPH w/ Ranges Water Ext	SW-846 3510C	1	121820013A	07/02/2012 08:15	Catherine R Wiker	1
00368	Nitrate Nitrogen	EPA 300.0	1	12180495901A	06/29/2012 04:57	James S Mathiot	10
00228	Sulfate	EPA 300.0	1	12180495901A	06/29/2012 04:57	Clinton M Wilson	10
00273	Total Organic Carbon	SM20 5310 C	1	12187049501A	07/06/2012 01:31	James S Mathiot	25
12150	Total Alkalinity	SM20 2320 B	1	12187004202B	07/05/2012 21:38	Susan A Engle	1
00230	Sulfide	SM20 4500 S2 D	1	12185023001A	07/03/2012 09:55	Susan E Hibner	1

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GC/MS Volatiles	**SW-846 8260B**		**ug/l**		**ug/l**	
10905	Acetone	67-64-1	1,300	E	6	1
10905	t-Amyl methyl ether	994-05-8	20		0.5	1
10905	Benzene	71-43-2	22		0.5	1
10905	Bromobenzene	108-86-1	22		1	1
10905	Bromochloromethane	74-97-5	19		1	1
10905	Bromodichloromethane	75-27-4	20		1	1
10905	Bromoform	75-25-2	16		1	1
10905	Bromomethane	74-83-9	16		1	1
10905	2-Butanone	78-93-3	110		3	1
10905	t-Butyl alcohol	75-65-0	210		5	1
10905	n-Butylbenzene	104-51-8	21		1	1
10905	sec-Butylbenzene	135-98-8	21		1	1
10905	tert-Butylbenzene	98-06-6	20		1	1
10905	Carbon Disulfide	75-15-0	23		1	1
10905	Carbon Tetrachloride	56-23-5	22		1	1
10905	Chlorobenzene	108-90-7	22		0.8	1
10905	Chloroethane	75-00-3	16		1	1
10905	2-Chloroethyl Vinyl Ether	110-75-8	4		2	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.					
10905	Chloroform	67-66-3	22		0.8	1
10905	Chloromethane	74-87-3	15		1	1
10905	2-Chlorotoluene	95-49-8	21		1	1
10905	4-Chlorotoluene	106-43-4	21		1	1
10905	1,2-Dibromo-3-chloropropane	96-12-8	18		2	1
10905	Dibromochloromethane	124-48-1	19		1	1
10905	1,2-Dibromoethane	106-93-4	20		0.5	1
10905	Dibromomethane	74-95-3	20		1	1
10905	1,2-Dichlorobenzene	95-50-1	20		1	1
10905	1,3-Dichlorobenzene	541-73-1	20		1	1
10905	1,4-Dichlorobenzene	106-46-7	20		1	1
10905	Dichlorodifluoromethane	75-71-8	19		2	1
10905	1,1-Dichloroethane	75-34-3	24		1	1
10905	1,2-Dichloroethane	107-06-2	25		0.5	1
10905	1,1-Dichloroethene	75-35-4	21		0.8	1
10905	cis-1,2-Dichloroethene	156-59-2	48		0.8	1
10905	trans-1,2-Dichloroethene	156-60-5	24		0.8	1
10905	1,2-Dichloropropane	78-87-5	21		1	1
10905	1,3-Dichloropropane	142-28-9	22		1	1
10905	2,2-Dichloropropane	594-20-7	23		1	1
10905	1,1-Dichloropropene	563-58-6	24		1	1
10905	cis-1,3-Dichloropropene	10061-01-5	20		1	1
10905	trans-1,3-Dichloropropene	10061-02-6	20		1	1
10905	Ethanol	64-17-5	260		50	1
10905	Ethyl t-butyl ether	637-92-3	21		0.5	1
10905	Ethylbenzene	100-41-4	22		0.5	1
10905	Freon 113	76-13-1	34		2	1
10905	Hexachlorobutadiene	87-68-3	19		2	1
10905	2-Hexanone	591-78-6	76		3	1
10905	di-Isopropyl ether	108-20-3	18		0.5	1

Sample Description: MW-X8-W-120627 MSD Grab Water
Facility# 206265 BBLW
1520 Powell St-Emeryville SLT2007076 MW-X8

LLI Sample # WW 6704877
LLI Group # 1318924
Account # 11964

Project Name: 206265

Collected: 06/27/2012 08:00 by HT

Submitted: 06/28/2012 09:15
Reported: 07/11/2012 17:26

Chevron
L4310
6001 Bollinger Canyon Road
San Ramon CA 94583

MW-8X

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10905	Isopropylbenzene	98-82-8	21	1	1
10905	p-Isopropyltoluene	99-87-6	21	1	1
10905	Methyl Tertiary Butyl Ether	1634-04-4	22	0.5	1
10905	4-Methyl-2-pentanone	108-10-1	74	3	1
10905	Methylene Chloride	75-09-2	20	2	1
10905	Naphthalene	91-20-3	17	1	1
10905	n-Propylbenzene	103-65-1	22	1	1
10905	Styrene	100-42-5	20	1	1
10905	1,1,1,2-Tetrachloroethane	630-20-6	20	1	1
10905	1,1,2,2-Tetrachloroethane	79-34-5	20	1	1
10905	Tetrachloroethene	127-18-4	22	0.8	1
10905	Toluene	108-88-3	23	0.5	1
10905	1,2,3-Trichlorobenzene	87-61-6	18	1	1
10905	1,2,4-Trichlorobenzene	120-82-1	19	1	1
10905	1,1,1-Trichloroethane	71-55-6	21	0.8	1
10905	1,1,2-Trichloroethane	79-00-5	20	0.8	1
10905	Trichloroethene	79-01-6	22	1	1
10905	Trichlorofluoromethane	75-69-4	23	2	1
10905	1,2,3-Trichloropropane	96-18-4	21	1	1
10905	1,2,4-Trimethylbenzene	95-63-6	21	1	1
10905	1,3,5-Trimethylbenzene	108-67-8	22	1	1
10905	Vinyl Chloride	75-01-4	22	1	1
10905	m+p-Xylene	n.a.	43	0.5	1
10905	o-Xylene	95-47-6	21	0.5	1
GC Volatiles	**SW-846 8015B**		**ug/l**	**ug/l**	
01728	TPH-GRO N. CA water C6-C12	n.a.	1,200	50	1
GC Miscellaneous	**RSKSOP-175 08/11/94 modified**		**ug/l**	**ug/l**	
07105	Ethane	74-84-0	40	1.0	1
07105	Ethene	74-85-1	85	1.0	1
07105	Methane	74-82-8	3,600	5.0	1
GC Petroleum Hydrocarbons	**SW-846 8015B modified**		**ug/l**	**ug/l**	
02740	C11-C36	n.a.	760	50	1
02740	Total TPH	n.a.	760	50	1
Due to the matrix of the sample extract, capric acid recovery can not be determined.					
Wet Chemistry	**SM20 2320 B**		**ug/l as CaCO3**	**ug/l as CaCO3**	
12150	Total Alkalinity	n.a.	837,000	700	1
	SM20 4500 S2 D		**ug/l**	**ug/l**	
00230	Sulfide	18496-25-8	470	54	1

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Analysis Report

Sample Description: MW-X8-W-120627 MSD Grab Water
Facility# 206265 BBLW
1520 Powell St-Emeryville SLT2007076 MW-X8

LLI Sample # WW 6704877
LLI Group # 1318924
Account # 11964

Project Name: 206265

Collected: 06/27/2012 08:00 by HT

Submitted: 06/28/2012 09:15
Reported: 07/11/2012 17:26

Chevron
L4310
6001 Bollinger Canyon Road
San Ramon CA 94583

MW-8X

General Sample Comments

State of California Lab Certification No. 2501

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10905	8260 Full List w/ Sep. Xylenes	SW-846 8260B	1	W121922AA	07/10/2012 17:24	Emily R Styer	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	W121922AA	07/10/2012 17:24	Emily R Styer	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	12191A94A	07/09/2012 17:06	Marie D John	1
01146	GC VOA Water Prep	SW-846 5030B	1	12191A94A	07/09/2012 17:06	Marie D John	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 08/11/94 modified	1	121910003A	07/09/2012 14:32	Kerrie A Freeburn	1
02740	Custom TPH with Ranges (Water)	SW-846 8015B modified	1	121820013A	07/05/2012 02:03	Heather E Williams	1
11181	Custom TPH w/ Ranges Water Ext	SW-846 3510C	1	121820013A	07/02/2012 08:15	Catherine R Wiker	1
12150	Total Alkalinity	SM20 2320 B	1	12187004202B	07/05/2012 21:48	Susan A Engle	1
00230	Sulfide	SM20 4500 S2 D	1	12185023001A	07/03/2012 09:55	Susan E Hibner	1

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Analysis Report

Sample Description: MW-X8-W-120627 DUP Grab Water
Facility# 206265 BBLW
1520 Powell St-Emeryville SLT2007076 MW-X8

LLI Sample # WW 6704878
LLI Group # 1318924
Account # 11964

Project Name: 206265

Collected: 06/27/2012 08:00 by HT

Submitted: 06/28/2012 09:15
Reported: 07/11/2012 17:26

Chevron
L4310
6001 Bollinger Canyon Road
San Ramon CA 94583

MW-8X

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
Wet Chemistry	**EPA 300.0**		**ug/l**	**ug/l**	
00368	Nitrate Nitrogen	14797-55-8	N.D.	250	5
00228	Sulfate	14808-79-8	3,200	1,500	5
	SM20 5310 C		**ug/l**	**ug/l**	
00273	Total Organic Carbon	n.a.	217,000	5,000	10
	SM20 2320 B		**ug/l as CaCO3**	**ug/l as CaCO3**	
12150	Total Alkalinity	n.a.	846,000	700	1
	SM20 4500 S2 D		**ug/l**	**ug/l**	
00230	Sulfide	18496-25-8	N.D.	54	1

General Sample Comments

State of California Lab Certification No. 2501

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
00368	Nitrate Nitrogen	EPA 300.0	1	12180495901A	06/29/2012 04:43	James S Mathiot	5
00228	Sulfate	EPA 300.0	1	12180495901A	06/29/2012 04:43	Clinton M Wilson	5
00273	Total Organic Carbon	SM20 5310 C	1	12187049501A	07/06/2012 01:45	James S Mathiot	10
12150	Total Alkalinity	SM20 2320 B	1	12187004202B	07/05/2012 21:56	Susan A Engle	1
00230	Sulfide	SM20 4500 S2 D	1	12185023001A	07/03/2012 09:55	Susan E Hibner	1

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Analysis Report

Sample Description: MW-X8-W-120627 Filtered Grab Water
Facility# 206265 BBLW
1520 Powell St-Emeryville SLT2007076 MW-X8

LLI Sample # WW 6704879
LLI Group # 1318924
Account # 11964

Project Name: 206265

Collected: 06/27/2012 08:00 by HT

Submitted: 06/28/2012 09:15
Reported: 07/11/2012 17:26

Chevron
L4310
6001 Bollinger Canyon Road
San Ramon CA 94583

FMW8X

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
Metals Dissolved	**EPA 200.7 rev 4.4**		ug/l	ug/l	
01754	Iron	7439-89-6	6,050	33.3	1
07058	Manganese	7439-96-5	13,800	0.83	1

General Sample Comments

State of California Lab Certification No. 2501
This sample was field filtered for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
01754	Iron	EPA 200.7 rev 4.4	1	121845716001	07/04/2012 07:47	Joanne M Gates	1
07058	Manganese	EPA 200.7 rev 4.4	1	121845716001	07/04/2012 07:47	Joanne M Gates	1
05716	EPA 600 ICP Digest (tot rec)	EPA 200.7 rev 4.4	1	121845716001	07/03/2012 08:35	Denise K Conners	1

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Analysis Report

Sample Description: MW-X8-W-120627 Filtered MS Grab Water
Facility# 206265 BBLW
1520 Powell St-Emeryville SLT2007076 MW-X8

LLI Sample # WW 6704880
LLI Group # 1318924
Account # 11964

Project Name: 206265

Collected: 06/27/2012 08:00 by HT

Submitted: 06/28/2012 09:15
Reported: 07/11/2012 17:26

Chevron
L4310
6001 Bollinger Canyon Road
San Ramon CA 94583

FMW8X

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
Metals Dissolved	**EPA 200.7 rev 4.4**		ug/l	ug/l	
01754	Iron	7439-89-6	8,080	33.3	1
07058	Manganese	7439-96-5	14,500	0.83	1

General Sample Comments

State of California Lab Certification No. 2501
This sample was field filtered for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
01754	Iron	EPA 200.7 rev 4.4	1	121845716001	07/04/2012 07:59	Joanne M Gates	1
07058	Manganese	EPA 200.7 rev 4.4	1	121845716001	07/04/2012 07:59	Joanne M Gates	1
05716	EPA 600 ICP Digest (tot rec)	EPA 200.7 rev 4.4	1	121845716001	07/03/2012 08:35	Denise K Conners	1

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Analysis Report

Sample Description: MW-X8-W-120627 Filtered DUP Grab Water
Facility# 206265 BBLW
1520 Powell St-Emeryville SLT2007076 MW-X8

LLI Sample # WW 6704882
LLI Group # 1318924
Account # 11964

Project Name: 206265

Collected: 06/27/2012 08:00 by HT

Submitted: 06/28/2012 09:15
Reported: 07/11/2012 17:26

Chevron
L4310
6001 Bollinger Canyon Road
San Ramon CA 94583

FMW8X

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
Metals Dissolved	**EPA 200.7 rev 4.4**		ug/l	ug/l	
01754	Iron	7439-89-6	6,030	33.3	1
07058	Manganese	7439-96-5	13,800	0.83	1

General Sample Comments

State of California Lab Certification No. 2501
This sample was field filtered for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
01754	Iron	EPA 200.7 rev 4.4	1	121845716001	07/04/2012 07:55	Joanne M Gates	1
07058	Manganese	EPA 200.7 rev 4.4	1	121845716001	07/04/2012 07:55	Joanne M Gates	1
05716	EPA 600 ICP Digest (tot rec)	EPA 200.7 rev 4.4	1	121845716001	07/03/2012 08:35	Denise K Conners	1

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Analysis Report

Sample Description: MW-19A-W-120627 Grab Water
Facility# 206265 BBLW
1520 Powell St-Emeryville SLT2007076 MW-19A

LLI Sample # WW 6704883
LLI Group # 1318924
Account # 11964

Project Name: 206265

Collected: 06/27/2012 09:30 by HT

Submitted: 06/28/2012 09:15
Reported: 07/11/2012 17:26

Chevron
L4310
6001 Bollinger Canyon Road
San Ramon CA 94583

MW19A

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10905	Acetone	67-64-1	4,100	60	10
10905	t-Amyl methyl ether	994-05-8	N.D.	0.5	1
10905	Benzene	71-43-2	N.D.	0.5	1
10905	Bromobenzene	108-86-1	N.D.	1	1
10905	Bromochloromethane	74-97-5	N.D.	1	1
10905	Bromodichloromethane	75-27-4	N.D.	1	1
10905	Bromoform	75-25-2	N.D.	1	1
10905	Bromomethane	74-83-9	N.D.	1	1
10905	2-Butanone	78-93-3	30	3	1
10905	t-Butyl alcohol	75-65-0	N.D.	5	1
10905	n-Butylbenzene	104-51-8	N.D.	1	1
10905	sec-Butylbenzene	135-98-8	N.D.	1	1
10905	tert-Butylbenzene	98-06-6	N.D.	1	1
10905	Carbon Disulfide	75-15-0	N.D.	1	1
10905	Carbon Tetrachloride	56-23-5	N.D.	1	1
10905	Chlorobenzene	108-90-7	N.D.	0.8	1
10905	Chloroethane	75-00-3	N.D.	1	1
10905	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.				
10905	Chloroform	67-66-3	N.D.	0.8	1
10905	Chloromethane	74-87-3	N.D.	1	1
10905	2-Chlorotoluene	95-49-8	N.D.	1	1
10905	4-Chlorotoluene	106-43-4	N.D.	1	1
10905	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	2	1
10905	Dibromochloromethane	124-48-1	N.D.	1	1
10905	1,2-Dibromoethane	106-93-4	N.D.	0.5	1
10905	Dibromomethane	74-95-3	N.D.	1	1
10905	1,2-Dichlorobenzene	95-50-1	N.D.	1	1
10905	1,3-Dichlorobenzene	541-73-1	N.D.	1	1
10905	1,4-Dichlorobenzene	106-46-7	N.D.	1	1
10905	Dichlorodifluoromethane	75-71-8	N.D.	2	1
10905	1,1-Dichloroethane	75-34-3	N.D.	1	1
10905	1,2-Dichloroethane	107-06-2	N.D.	0.5	1
10905	1,1-Dichloroethene	75-35-4	N.D.	0.8	1
10905	cis-1,2-Dichloroethene	156-59-2	73	0.8	1
10905	trans-1,2-Dichloroethene	156-60-5	2	0.8	1
10905	1,2-Dichloropropane	78-87-5	N.D.	1	1
10905	1,3-Dichloropropane	142-28-9	N.D.	1	1
10905	2,2-Dichloropropane	594-20-7	N.D.	1	1
10905	1,1-Dichloropropene	563-58-6	N.D.	1	1
10905	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	1
10905	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	1
10905	Ethanol	64-17-5	N.D.	50	1
10905	Ethyl t-butyl ether	637-92-3	N.D.	0.5	1
10905	Ethylbenzene	100-41-4	N.D.	0.5	1
10905	Freon 113	76-13-1	N.D.	2	1
10905	Hexachlorobutadiene	87-68-3	N.D.	2	1
10905	2-Hexanone	591-78-6	N.D.	3	1
10905	di-Isopropyl ether	108-20-3	N.D.	0.5	1

Sample Description: MW-19A-W-120627 Grab Water
Facility# 206265 BBLW
1520 Powell St-Emeryville SLT2007076 MW-19A

LLI Sample # WW 6704883
LLI Group # 1318924
Account # 11964

Project Name: 206265

Collected: 06/27/2012 09:30 by HT

Submitted: 06/28/2012 09:15
Reported: 07/11/2012 17:26

Chevron
L4310
6001 Bollinger Canyon Road
San Ramon CA 94583

MW19A

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10905	Isopropylbenzene	98-82-8	N.D.	1	1
10905	p-Isopropyltoluene	99-87-6	N.D.	1	1
10905	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	1
10905	4-Methyl-2-pentanone	108-10-1	N.D.	3	1
10905	Methylene Chloride	75-09-2	N.D.	2	1
10905	Naphthalene	91-20-3	N.D.	1	1
10905	n-Propylbenzene	103-65-1	N.D.	1	1
10905	Styrene	100-42-5	N.D.	1	1
10905	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1	1
10905	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	1
10905	Tetrachloroethene	127-18-4	N.D.	0.8	1
10905	Toluene	108-88-3	N.D.	0.5	1
10905	1,2,3-Trichlorobenzene	87-61-6	N.D.	1	1
10905	1,2,4-Trichlorobenzene	120-82-1	N.D.	1	1
10905	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	1
10905	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	1
10905	Trichloroethene	79-01-6	N.D.	1	1
10905	Trichlorofluoromethane	75-69-4	N.D.	2	1
10905	1,2,3-Trichloropropane	96-18-4	N.D.	1	1
10905	1,2,4-Trimethylbenzene	95-63-6	N.D.	1	1
10905	1,3,5-Trimethylbenzene	108-67-8	N.D.	1	1
10905	Vinyl Chloride	75-01-4	3	1	1
10905	m+p-Xylene	n.a.	N.D.	0.5	1
10905	o-Xylene	95-47-6	N.D.	0.5	1
GC Volatiles	**SW-846 8015B**		**ug/l**	**ug/l**	
01728	TPH-GRO N. CA water C6-C12	n.a.	120	50	1
GC Miscellaneous	**RSKSOP-175 08/11/94 modified**		**ug/l**	**ug/l**	
07105	Ethane	74-84-0	7.5	1.0	1
07105	Ethene	74-85-1	1.4	1.0	1
07105	Methane	74-82-8	15,000	500	100
GC Petroleum Hydrocarbons	**SW-846 8015B modified**		**ug/l**	**ug/l**	
02740	C11-C36	n.a.	N.D.	49	1
02740	Total TPH	n.a.	N.D.	49	1
The reverse surrogate, capric acid, is present at <1%.					
Wet Chemistry	**EPA 300.0**		**ug/l**	**ug/l**	
00368	Nitrate Nitrogen	14797-55-8	N.D.	250	5
00228	Sulfate	14808-79-8	1,700	1,500	5
	SM20 5310 C		**ug/l**	**ug/l**	
00273	Total Organic Carbon	n.a.	470,000	5,000	10

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Analysis Report

Sample Description: MW-19A-W-120627 Grab Water
Facility# 206265 BBLW
1520 Powell St-Emeryville SLT2007076 MW-19A

LLI Sample # WW 6704883
LLI Group # 1318924
Account # 11964

Project Name: 206265

Collected: 06/27/2012 09:30 by HT

Submitted: 06/28/2012 09:15
Reported: 07/11/2012 17:26

Chevron
L4310
6001 Bollinger Canyon Road
San Ramon CA 94583

MW19A

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
Wet Chemistry	**SM20 2320 B**		**ug/l as CaCO3**	**ug/l as CaCO3**	
12150	Total Alkalinity	n.a.	1,040,000	700	1
12149	Bicarbonate Alkalinity	n.a.	1,040,000	700	1
	SM20 4500 S2 D		**ug/l**	**ug/l**	
00230	Sulfide	18496-25-8	N.D.	54	1

General Sample Comments

State of California Lab Certification No. 2501

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10905	8260 Full List w/ Sep. Xylenes	SW-846 8260B	1	W121922AA	07/10/2012 17:48	Emily R Styer	1
10905	8260 Full List w/ Sep. Xylenes	SW-846 8260B	1	W121922AA	07/11/2012 00:24	Emily R Styer	10
01163	GC/MS VOA Water Prep	SW-846 5030B	1	W121922AA	07/10/2012 17:48	Emily R Styer	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	W121922AA	07/11/2012 00:24	Emily R Styer	10
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	12191A94A	07/09/2012 17:31	Marie D John	1
01146	GC VOA Water Prep	SW-846 5030B	1	12191A94A	07/09/2012 17:31	Marie D John	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 08/11/94 modified	1	121910003A	07/09/2012 14:50	Kerrie A Freeburn	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 08/11/94 modified	1	121910003A	07/10/2012 02:39	Kerrie A Freeburn	100
02740	Custom TPH with Ranges (Water)	SW-846 8015B modified	1	121820013A	07/05/2012 02:50	Heather E Williams	1
11181	Custom TPH w/ Ranges Water Ext	SW-846 3510C	1	121820013A	07/02/2012 08:15	Catherine R Wiker	1
00368	Nitrate Nitrogen	EPA 300.0	1	12180495901A	06/29/2012 05:11	James S Mathiot	5
00228	Sulfate	EPA 300.0	1	12180495901A	06/29/2012 05:11	Clinton M Wilson	5
00273	Total Organic Carbon	SM20 5310 C	1	12187049501A	07/06/2012 01:58	James S Mathiot	10
12150	Total Alkalinity	SM20 2320 B	1	12187004202B	07/05/2012 22:07	Susan A Engle	1
12149	Bicarbonate Alkalinity	SM20 2320 B	1	12187004202B	07/05/2012 22:07	Susan A Engle	1
00230	Sulfide	SM20 4500 S2 D	1	12185023001A	07/03/2012 09:55	Susan E Hibner	1

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Analysis Report

Sample Description: MW-19A-W-120627 Filtered Grab Water
Facility# 206265 BBLW
1520 Powell St-Emeryville SLT2007076 MW-19A

LLI Sample # WW 6704884
LLI Group # 1318924
Account # 11964

Project Name: 206265

Collected: 06/27/2012 09:30 by HT

Submitted: 06/28/2012 09:15
Reported: 07/11/2012 17:26

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CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
Metals Dissolved	**EPA 200.7 rev 4.4**		ug/l	ug/l	
01754	Iron	7439-89-6	11,600	33.3	1
07058	Manganese	7439-96-5	7,010	0.83	1

General Sample Comments

State of California Lab Certification No. 2501
This sample was field filtered for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
01754	Iron	EPA 200.7 rev 4.4	1	121845716001	07/04/2012 08:07	Joanne M Gates	1
07058	Manganese	EPA 200.7 rev 4.4	1	121845716001	07/04/2012 08:07	Joanne M Gates	1
05716	EPA 600 ICP Digest (tot rec)	EPA 200.7 rev 4.4	1	121845716001	07/03/2012 08:35	Denise K Conners	1

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Analysis Report

Sample Description: MW-X3-W-120627 Grab Water
Facility# 206265 BBLW
1520 Powell St-Emeryville SLT2007076 MW-X3

LLI Sample # WW 6704885
LLI Group # 1318924
Account # 11964

Project Name: 206265

Collected: 06/27/2012 11:00 by HT

Submitted: 06/28/2012 09:15
Reported: 07/11/2012 17:26

Chevron
L4310
6001 Bollinger Canyon Road
San Ramon CA 94583

MW-X3

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10905	Acetone	67-64-1	130	6	1
10905	t-Amyl methyl ether	994-05-8	N.D.	0.5	1
10905	Benzene	71-43-2	0.6	0.5	1
10905	Bromobenzene	108-86-1	N.D.	1	1
10905	Bromochloromethane	74-97-5	N.D.	1	1
10905	Bromodichloromethane	75-27-4	N.D.	1	1
10905	Bromoform	75-25-2	N.D.	1	1
10905	Bromomethane	74-83-9	N.D.	1	1
10905	2-Butanone	78-93-3	4	3	1
10905	t-Butyl alcohol	75-65-0	N.D.	5	1
10905	n-Butylbenzene	104-51-8	N.D.	1	1
10905	sec-Butylbenzene	135-98-8	N.D.	1	1
10905	tert-Butylbenzene	98-06-6	N.D.	1	1
10905	Carbon Disulfide	75-15-0	N.D.	1	1
10905	Carbon Tetrachloride	56-23-5	N.D.	1	1
10905	Chlorobenzene	108-90-7	N.D.	0.8	1
10905	Chloroethane	75-00-3	N.D.	1	1
10905	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.				
10905	Chloroform	67-66-3	3	0.8	1
10905	Chloromethane	74-87-3	N.D.	1	1
10905	2-Chlorotoluene	95-49-8	N.D.	1	1
10905	4-Chlorotoluene	106-43-4	N.D.	1	1
10905	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	2	1
10905	Dibromochloromethane	124-48-1	N.D.	1	1
10905	1,2-Dibromoethane	106-93-4	N.D.	0.5	1
10905	Dibromomethane	74-95-3	N.D.	1	1
10905	1,2-Dichlorobenzene	95-50-1	N.D.	1	1
10905	1,3-Dichlorobenzene	541-73-1	N.D.	1	1
10905	1,4-Dichlorobenzene	106-46-7	N.D.	1	1
10905	Dichlorodifluoromethane	75-71-8	N.D.	2	1
10905	1,1-Dichloroethane	75-34-3	3	1	1
10905	1,2-Dichloroethane	107-06-2	N.D.	0.5	1
10905	1,1-Dichloroethene	75-35-4	N.D.	0.8	1
10905	cis-1,2-Dichloroethene	156-59-2	130	0.8	1
10905	trans-1,2-Dichloroethene	156-60-5	10	0.8	1
10905	1,2-Dichloropropane	78-87-5	N.D.	1	1
10905	1,3-Dichloropropane	142-28-9	N.D.	1	1
10905	2,2-Dichloropropane	594-20-7	N.D.	1	1
10905	1,1-Dichloropropene	563-58-6	N.D.	1	1
10905	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	1
10905	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	1
10905	Ethanol	64-17-5	N.D.	50	1
10905	Ethyl t-butyl ether	637-92-3	N.D.	0.5	1
10905	Ethylbenzene	100-41-4	N.D.	0.5	1
10905	Freon 113	76-13-1	N.D.	2	1
10905	Hexachlorobutadiene	87-68-3	N.D.	2	1
10905	2-Hexanone	591-78-6	N.D.	3	1
10905	di-Isopropyl ether	108-20-3	N.D.	0.5	1

Sample Description: MW-X3-W-120627 Grab Water
Facility# 206265 BBLW
1520 Powell St-Emeryville SLT2007076 MW-X3

LLI Sample # WW 6704885
LLI Group # 1318924
Account # 11964

Project Name: 206265

Collected: 06/27/2012 11:00 by HT

Submitted: 06/28/2012 09:15
Reported: 07/11/2012 17:26

Chevron
L4310
6001 Bollinger Canyon Road
San Ramon CA 94583

MW-X3

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10905	Isopropylbenzene	98-82-8	N.D.	1	1
10905	p-Isopropyltoluene	99-87-6	N.D.	1	1
10905	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	1
10905	4-Methyl-2-pentanone	108-10-1	N.D.	3	1
10905	Methylene Chloride	75-09-2	N.D.	2	1
10905	Naphthalene	91-20-3	N.D.	1	1
10905	n-Propylbenzene	103-65-1	N.D.	1	1
10905	Styrene	100-42-5	N.D.	1	1
10905	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1	1
10905	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	1
10905	Tetrachloroethene	127-18-4	N.D.	0.8	1
10905	Toluene	108-88-3	N.D.	0.5	1
10905	1,2,3-Trichlorobenzene	87-61-6	N.D.	1	1
10905	1,2,4-Trichlorobenzene	120-82-1	N.D.	1	1
10905	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	1
10905	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	1
10905	Trichloroethene	79-01-6	3	1	1
10905	Trichlorofluoromethane	75-69-4	N.D.	2	1
10905	1,2,3-Trichloropropane	96-18-4	N.D.	1	1
10905	1,2,4-Trimethylbenzene	95-63-6	N.D.	1	1
10905	1,3,5-Trimethylbenzene	108-67-8	N.D.	1	1
10905	Vinyl Chloride	75-01-4	6	1	1
10905	m+p-Xylene	n.a.	N.D.	0.5	1
10905	o-Xylene	95-47-6	N.D.	0.5	1
GC Volatiles	**SW-846 8015B**		**ug/l**	**ug/l**	
01728	TPH-GRO N. CA water C6-C12	n.a.	92	50	1
GC Miscellaneous	**RSKSOP-175 08/11/94 modified**		**ug/l**	**ug/l**	
07105	Ethane	74-84-0	19	1.0	1
07105	Ethene	74-85-1	66	1.0	1
07105	Methane	74-82-8	2,600	100	20
	The surrogate data is outside the QC limits due to unresolvable matrix problems evident in the sample chromatogram.				
GC Petroleum Hydrocarbons	**SW-846 8015B modified**		**ug/l**	**ug/l**	
02740	C11-C36	n.a.	N.D.	53	1
02740	Total TPH	n.a.	N.D.	53	1
	The reverse surrogate, capric acid, is present at <1%.				
Wet Chemistry	**EPA 300.0**		**ug/l**	**ug/l**	
00368	Nitrate Nitrogen	14797-55-8	N.D.	250	5
00228	Sulfate	14808-79-8	4,800	1,500	5
	SM20 5310 C		**ug/l**	**ug/l**	
00273	Total Organic Carbon	n.a.	279,000	5,000	10

Sample Description: MW-X3-W-120627 Grab Water
Facility# 206265 BBLW
1520 Powell St-Emeryville SLT2007076 MW-X3

LLI Sample # WW 6704885
LLI Group # 1318924
Account # 11964

Project Name: 206265

Collected: 06/27/2012 11:00 by HT

Submitted: 06/28/2012 09:15
Reported: 07/11/2012 17:26

Chevron
L4310
6001 Bollinger Canyon Road
San Ramon CA 94583

MW-X3

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
Wet Chemistry	**SM20 2320 B**		**ug/l as CaCO3**	**ug/l as CaCO3**	
12150	Total Alkalinity	n.a.	1,020,000	700	1
12149	Bicarbonate Alkalinity	n.a.	1,020,000	700	1
	SM20 4500 S2 D		**ug/l**	**ug/l**	
00230	Sulfide	18496-25-8	N.D.	54	1

General Sample Comments

State of California Lab Certification No. 2501

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10905	8260 Full List w/ Sep. Xylenes	SW-846 8260B	1	W121922AA	07/10/2012 18:11	Emily R Styer	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	W121922AA	07/10/2012 18:11	Emily R Styer	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	12191A94A	07/09/2012 17:57	Marie D John	1
01146	GC VOA Water Prep	SW-846 5030B	1	12191A94A	07/09/2012 17:57	Marie D John	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 08/11/94 modified	1	121910003A	07/09/2012 15:08	Kerrie A Freeburn	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 08/11/94 modified	1	121910003A	07/10/2012 02:57	Kerrie A Freeburn	20
02740	Custom TPH with Ranges (Water)	SW-846 8015B modified	1	121820013A	07/05/2012 03:14	Heather E Williams	1
11181	Custom TPH w/ Ranges Water Ext	SW-846 3510C	1	121820013A	07/02/2012 08:15	Catherine R Wiker	1
00368	Nitrate Nitrogen	EPA 300.0	1	12180495901A	06/29/2012 05:25	James S Mathiot	5
00228	Sulfate	EPA 300.0	1	12180495901A	06/29/2012 05:25	Clinton M Wilson	5
00273	Total Organic Carbon	SM20 5310 C	1	12187049501A	07/06/2012 02:12	James S Mathiot	10
12150	Total Alkalinity	SM20 2320 B	1	12187004202B	07/05/2012 22:18	Susan A Engle	1
12149	Bicarbonate Alkalinity	SM20 2320 B	1	12187004202B	07/05/2012 22:18	Susan A Engle	1
00230	Sulfide	SM20 4500 S2 D	1	12185023001A	07/03/2012 09:55	Susan E Hibner	1

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Analysis Report

Sample Description: MW-X3-W-120627 Filtered Grab Water
Facility# 206265 BBLW
1520 Powell St-Emeryville SLT2007076 MW-X3

LLI Sample # WW 6704886
LLI Group # 1318924
Account # 11964

Project Name: 206265

Collected: 06/27/2012 11:00 by HT

Submitted: 06/28/2012 09:15
Reported: 07/11/2012 17:26

Chevron
L4310
6001 Bollinger Canyon Road
San Ramon CA 94583

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
Metals Dissolved	**EPA 200.7 rev 4.4**		ug/l	ug/l	
01754	Iron	7439-89-6	35,900	33.3	1
07058	Manganese	7439-96-5	25,300	4.2	5

General Sample Comments

State of California Lab Certification No. 2501
This sample was field filtered for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
01754	Iron	EPA 200.7 rev 4.4	1	121845716001	07/04/2012 08:11	Joanne M Gates	1
07058	Manganese	EPA 200.7 rev 4.4	1	121845716001	07/04/2012 08:53	Joanne M Gates	5
05716	EPA 600 ICP Digest (tot rec)	EPA 200.7 rev 4.4	1	121845716001	07/03/2012 08:35	Denise K Conners	1

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Analysis Report

Sample Description: MW-18-W-120627 Grab Water
Facility# 206265 BBLW
1520 Powell St-Emeryville SLT2007076 MW-18

LLI Sample # WW 6704887
LLI Group # 1318924
Account # 11964

Project Name: 206265

Collected: 06/27/2012 13:00 by HT

Submitted: 06/28/2012 09:15
Reported: 07/11/2012 17:26

Chevron
L4310
6001 Bollinger Canyon Road
San Ramon CA 94583

MW18-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		ug/l	ug/l	
10905	Acetone	67-64-1	N.D.	6	1
10905	t-Amyl methyl ether	994-05-8	N.D.	0.5	1
10905	Benzene	71-43-2	N.D.	0.5	1
10905	Bromobenzene	108-86-1	N.D.	1	1
10905	Bromochloromethane	74-97-5	N.D.	1	1
10905	Bromodichloromethane	75-27-4	N.D.	1	1
10905	Bromoform	75-25-2	N.D.	1	1
10905	Bromomethane	74-83-9	N.D.	1	1
10905	2-Butanone	78-93-3	N.D.	3	1
10905	t-Butyl alcohol	75-65-0	N.D.	5	1
10905	n-Butylbenzene	104-51-8	N.D.	1	1
10905	sec-Butylbenzene	135-98-8	N.D.	1	1
10905	tert-Butylbenzene	98-06-6	N.D.	1	1
10905	Carbon Disulfide	75-15-0	N.D.	1	1
10905	Carbon Tetrachloride	56-23-5	N.D.	1	1
10905	Chlorobenzene	108-90-7	N.D.	0.8	1
10905	Chloroethane	75-00-3	N.D.	1	1
10905	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.				
10905	Chloroform	67-66-3	N.D.	0.8	1
10905	Chloromethane	74-87-3	N.D.	1	1
10905	2-Chlorotoluene	95-49-8	N.D.	1	1
10905	4-Chlorotoluene	106-43-4	N.D.	1	1
10905	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	2	1
10905	Dibromochloromethane	124-48-1	N.D.	1	1
10905	1,2-Dibromoethane	106-93-4	N.D.	0.5	1
10905	Dibromomethane	74-95-3	N.D.	1	1
10905	1,2-Dichlorobenzene	95-50-1	N.D.	1	1
10905	1,3-Dichlorobenzene	541-73-1	N.D.	1	1
10905	1,4-Dichlorobenzene	106-46-7	N.D.	1	1
10905	Dichlorodifluoromethane	75-71-8	N.D.	2	1
10905	1,1-Dichloroethane	75-34-3	N.D.	1	1
10905	1,2-Dichloroethane	107-06-2	N.D.	0.5	1
10905	1,1-Dichloroethene	75-35-4	N.D.	0.8	1
10905	cis-1,2-Dichloroethene	156-59-2	7	0.8	1
10905	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	1
10905	1,2-Dichloropropane	78-87-5	N.D.	1	1
10905	1,3-Dichloropropane	142-28-9	N.D.	1	1
10905	2,2-Dichloropropane	594-20-7	N.D.	1	1
10905	1,1-Dichloropropene	563-58-6	N.D.	1	1
10905	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	1
10905	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	1
10905	Ethanol	64-17-5	N.D.	50	1
10905	Ethyl t-butyl ether	637-92-3	N.D.	0.5	1
10905	Ethylbenzene	100-41-4	N.D.	0.5	1
10905	Freon 113	76-13-1	N.D.	2	1
10905	Hexachlorobutadiene	87-68-3	N.D.	2	1
10905	2-Hexanone	591-78-6	N.D.	3	1
10905	di-Isopropyl ether	108-20-3	N.D.	0.5	1

Sample Description: MW-18-W-120627 Grab Water
Facility# 206265 BBLW
1520 Powell St-Emeryville SLT2007076 MW-18

LLI Sample # WW 6704887
LLI Group # 1318924
Account # 11964

Project Name: 206265

Collected: 06/27/2012 13:00 by HT

Submitted: 06/28/2012 09:15
Reported: 07/11/2012 17:26

Chevron
L4310
6001 Bollinger Canyon Road
San Ramon CA 94583

MW18-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10905	Isopropylbenzene	98-82-8	N.D.	1	1
10905	p-Isopropyltoluene	99-87-6	N.D.	1	1
10905	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	1
10905	4-Methyl-2-pentanone	108-10-1	N.D.	3	1
10905	Methylene Chloride	75-09-2	N.D.	2	1
10905	Naphthalene	91-20-3	N.D.	1	1
10905	n-Propylbenzene	103-65-1	N.D.	1	1
10905	Styrene	100-42-5	N.D.	1	1
10905	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1	1
10905	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	1
10905	Tetrachloroethene	127-18-4	8	0.8	1
10905	Toluene	108-88-3	N.D.	0.5	1
10905	1,2,3-Trichlorobenzene	87-61-6	N.D.	1	1
10905	1,2,4-Trichlorobenzene	120-82-1	N.D.	1	1
10905	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	1
10905	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	1
10905	Trichloroethene	79-01-6	27	1	1
10905	Trichlorofluoromethane	75-69-4	N.D.	2	1
10905	1,2,3-Trichloropropane	96-18-4	N.D.	1	1
10905	1,2,4-Trimethylbenzene	95-63-6	N.D.	1	1
10905	1,3,5-Trimethylbenzene	108-67-8	N.D.	1	1
10905	Vinyl Chloride	75-01-4	N.D.	1	1
10905	m+p-Xylene	n.a.	N.D.	0.5	1
10905	o-Xylene	95-47-6	N.D.	0.5	1
GC Volatiles	**SW-846 8015B**		**ug/l**	**ug/l**	
01728	TPH-GRO N. CA water C6-C12	n.a.	N.D.	50	1
GC Miscellaneous	**RSKSOP-175 08/11/94 modified**		**ug/l**	**ug/l**	
07105	Ethane	74-84-0	N.D.	1.0	1
07105	Ethene	74-85-1	N.D.	1.0	1
07105	Methane	74-82-8	150	5.0	1
GC Petroleum Hydrocarbons	**SW-846 8015B modified**		**ug/l**	**ug/l**	
02740	C11-C36	n.a.	N.D.	49	1
02740	Total TPH	n.a.	N.D.	49	1
The reverse surrogate, capric acid, is present at <1%.					
Wet Chemistry	**EPA 300.0**		**ug/l**	**ug/l**	
00368	Nitrate Nitrogen	14797-55-8	3,300	250	5
00228	Sulfate	14808-79-8	40,900	1,500	5
	SM20 5310 C		**ug/l**	**ug/l**	
00273	Total Organic Carbon	n.a.	1,100	500	1

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Analysis Report

Sample Description: MW-18-W-120627 Grab Water
Facility# 206265 BBLW
1520 Powell St-Emeryville SLT2007076 MW-18

LLI Sample # WW 6704887
LLI Group # 1318924
Account # 11964

Project Name: 206265

Collected: 06/27/2012 13:00 by HT

Submitted: 06/28/2012 09:15
Reported: 07/11/2012 17:26

Chevron
L4310
6001 Bollinger Canyon Road
San Ramon CA 94583

MW18-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
Wet Chemistry	**SM20 2320 B**		**ug/l as CaCO3**	**ug/l as CaCO3**	
12150	Total Alkalinity	n.a.	164,000	700	1
12149	Bicarbonate Alkalinity	n.a.	164,000	700	1
	SM20 4500 S2 D		**ug/l**	**ug/l**	
00230	Sulfide	18496-25-8	N.D.	54	1

General Sample Comments

State of California Lab Certification No. 2501

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10905	8260 Full List w/ Sep. Xylenes	SW-846 8260B	1	W121922AA	07/10/2012 18:35	Emily R Styer	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	W121922AA	07/10/2012 18:35	Emily R Styer	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	12191A94A	07/09/2012 18:22	Marie D John	1
01146	GC VOA Water Prep	SW-846 5030B	1	12191A94A	07/09/2012 18:22	Marie D John	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 08/11/94 modified	1	121910003A	07/09/2012 15:26	Kerrie A Freeburn	1
02740	Custom TPH with Ranges (Water)	SW-846 8015B modified	1	121820013A	07/05/2012 03:38	Heather E Williams	1
11181	Custom TPH w/ Ranges Water Ext	SW-846 3510C	1	121820013A	07/02/2012 08:15	Catherine R Wiker	1
00368	Nitrate Nitrogen	EPA 300.0	1	12180495901A	06/29/2012 05:40	James S Mathiot	5
00228	Sulfate	EPA 300.0	1	12180495901A	06/29/2012 05:40	Clinton M Wilson	5
00273	Total Organic Carbon	SM20 5310 C	1	12187049501A	07/06/2012 02:26	James S Mathiot	1
12150	Total Alkalinity	SM20 2320 B	1	12187004202B	07/05/2012 22:24	Susan A Engle	1
12149	Bicarbonate Alkalinity	SM20 2320 B	1	12187004202B	07/05/2012 22:24	Susan A Engle	1
00230	Sulfide	SM20 4500 S2 D	1	12185023001A	07/03/2012 09:55	Susan E Hibner	1

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Analysis Report

Sample Description: MW-18-W-120627 Filtered Grab Water
Facility# 206265 BBLW
1520 Powell St-Emeryville SLT2007076 MW-18

LLI Sample # WW 6704888
LLI Group # 1318924
Account # 11964

Project Name: 206265

Collected: 06/27/2012 13:00 by HT

Submitted: 06/28/2012 09:15
Reported: 07/11/2012 17:26

Chevron
L4310
6001 Bollinger Canyon Road
San Ramon CA 94583

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
Metals Dissolved	**EPA 200.7 rev 4.4**		ug/l	ug/l	
01754	Iron	7439-89-6	N.D.	33.3	1
07058	Manganese	7439-96-5	326	0.83	1

General Sample Comments

State of California Lab Certification No. 2501
This sample was field filtered for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
01754	Iron	EPA 200.7 rev 4.4	1	121845716001	07/04/2012 08:15	Joanne M Gates	1
07058	Manganese	EPA 200.7 rev 4.4	1	121845716001	07/04/2012 08:15	Joanne M Gates	1
05716	EPA 600 ICP Digest (tot rec)	EPA 200.7 rev 4.4	1	121845716001	07/03/2012 08:35	Denise K Conners	1

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Analysis Report

Sample Description: MW-X9-W-120627 Grab Water
Facility# 206265 BBLW
1520 Powell St-Emeryville SLT2007076 MW-X9

LLI Sample # WW 6704889
LLI Group # 1318924
Account # 11964

Project Name: 206265

Collected: 06/27/2012 14:00 by HT

Submitted: 06/28/2012 09:15
Reported: 07/11/2012 17:26

Chevron
L4310
6001 Bollinger Canyon Road
San Ramon CA 94583

MW-X9

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		ug/l	ug/l	
10905	Acetone	67-64-1	N.D.	6	1
10905	t-Amyl methyl ether	994-05-8	N.D.	0.5	1
10905	Benzene	71-43-2	N.D.	0.5	1
10905	Bromobenzene	108-86-1	N.D.	1	1
10905	Bromochloromethane	74-97-5	N.D.	1	1
10905	Bromodichloromethane	75-27-4	N.D.	1	1
10905	Bromoform	75-25-2	N.D.	1	1
10905	Bromomethane	74-83-9	N.D.	1	1
10905	2-Butanone	78-93-3	N.D.	3	1
10905	t-Butyl alcohol	75-65-0	N.D.	5	1
10905	n-Butylbenzene	104-51-8	N.D.	1	1
10905	sec-Butylbenzene	135-98-8	N.D.	1	1
10905	tert-Butylbenzene	98-06-6	N.D.	1	1
10905	Carbon Disulfide	75-15-0	N.D.	1	1
10905	Carbon Tetrachloride	56-23-5	N.D.	1	1
10905	Chlorobenzene	108-90-7	1	0.8	1
10905	Chloroethane	75-00-3	N.D.	1	1
10905	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.				
10905	Chloroform	67-66-3	N.D.	0.8	1
10905	Chloromethane	74-87-3	N.D.	1	1
10905	2-Chlorotoluene	95-49-8	N.D.	1	1
10905	4-Chlorotoluene	106-43-4	N.D.	1	1
10905	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	2	1
10905	Dibromochloromethane	124-48-1	N.D.	1	1
10905	1,2-Dibromoethane	106-93-4	N.D.	0.5	1
10905	Dibromomethane	74-95-3	N.D.	1	1
10905	1,2-Dichlorobenzene	95-50-1	N.D.	1	1
10905	1,3-Dichlorobenzene	541-73-1	N.D.	1	1
10905	1,4-Dichlorobenzene	106-46-7	N.D.	1	1
10905	Dichlorodifluoromethane	75-71-8	N.D.	2	1
10905	1,1-Dichloroethane	75-34-3	N.D.	1	1
10905	1,2-Dichloroethane	107-06-2	N.D.	0.5	1
10905	1,1-Dichloroethene	75-35-4	N.D.	0.8	1
10905	cis-1,2-Dichloroethene	156-59-2	23	0.8	1
10905	trans-1,2-Dichloroethene	156-60-5	0.9	0.8	1
10905	1,2-Dichloropropane	78-87-5	N.D.	1	1
10905	1,3-Dichloropropane	142-28-9	N.D.	1	1
10905	2,2-Dichloropropane	594-20-7	N.D.	1	1
10905	1,1-Dichloropropene	563-58-6	N.D.	1	1
10905	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	1
10905	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	1
10905	Ethanol	64-17-5	N.D.	50	1
10905	Ethyl t-butyl ether	637-92-3	N.D.	0.5	1
10905	Ethylbenzene	100-41-4	N.D.	0.5	1
10905	Freon 113	76-13-1	N.D.	2	1
10905	Hexachlorobutadiene	87-68-3	N.D.	2	1
10905	2-Hexanone	591-78-6	N.D.	3	1
10905	di-Isopropyl ether	108-20-3	N.D.	0.5	1

Sample Description: MW-X9-W-120627 Grab Water
Facility# 206265 BBLW
1520 Powell St-Emeryville SLT2007076 MW-X9

LLI Sample # WW 6704889
LLI Group # 1318924
Account # 11964

Project Name: 206265

Collected: 06/27/2012 14:00 by HT

Submitted: 06/28/2012 09:15
Reported: 07/11/2012 17:26

Chevron
L4310
6001 Bollinger Canyon Road
San Ramon CA 94583

MW-X9

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10905	Isopropylbenzene	98-82-8	N.D.	1	1
10905	p-Isopropyltoluene	99-87-6	N.D.	1	1
10905	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	1
10905	4-Methyl-2-pentanone	108-10-1	N.D.	3	1
10905	Methylene Chloride	75-09-2	N.D.	2	1
10905	Naphthalene	91-20-3	N.D.	1	1
10905	n-Propylbenzene	103-65-1	N.D.	1	1
10905	Styrene	100-42-5	N.D.	1	1
10905	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1	1
10905	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	1
10905	Tetrachloroethene	127-18-4	4	0.8	1
10905	Toluene	108-88-3	N.D.	0.5	1
10905	1,2,3-Trichlorobenzene	87-61-6	N.D.	1	1
10905	1,2,4-Trichlorobenzene	120-82-1	N.D.	1	1
10905	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	1
10905	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	1
10905	Trichloroethene	79-01-6	16	1	1
10905	Trichlorofluoromethane	75-69-4	N.D.	2	1
10905	1,2,3-Trichloropropane	96-18-4	N.D.	1	1
10905	1,2,4-Trimethylbenzene	95-63-6	N.D.	1	1
10905	1,3,5-Trimethylbenzene	108-67-8	N.D.	1	1
10905	Vinyl Chloride	75-01-4	N.D.	1	1
10905	m+p-Xylene	n.a.	N.D.	0.5	1
10905	o-Xylene	95-47-6	N.D.	0.5	1
GC Volatiles	**SW-846 8015B**		**ug/l**	**ug/l**	
01728	TPH-GRO N. CA water C6-C12	n.a.	N.D.	50	1
GC Miscellaneous	**RSKSOP-175 08/11/94 modified**		**ug/l**	**ug/l**	
07105	Ethane	74-84-0	N.D.	1.0	1
07105	Ethene	74-85-1	N.D.	1.0	1
07105	Methane	74-82-8	51	5.0	1
GC Petroleum Hydrocarbons	**SW-846 8015B modified**		**ug/l**	**ug/l**	
02740	C11-C36	n.a.	130	51	1
02740	Total TPH	n.a.	130	51	1
The reverse surrogate, capric acid, is present at <1%.					
Wet Chemistry	**EPA 300.0**		**ug/l**	**ug/l**	
00368	Nitrate Nitrogen	14797-55-8	N.D.	250	5
00228	Sulfate	14808-79-8	25,500	1,500	5
	SM20 5310 C		**ug/l**	**ug/l**	
00273	Total Organic Carbon	n.a.	4,600	500	1

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Analysis Report

Sample Description: MW-X9-W-120627 Grab Water
Facility# 206265 BBLW
1520 Powell St-Emeryville SLT2007076 MW-X9

LLI Sample # WW 6704889
LLI Group # 1318924
Account # 11964

Project Name: 206265

Collected: 06/27/2012 14:00 by HT

Submitted: 06/28/2012 09:15
Reported: 07/11/2012 17:26

Chevron
L4310
6001 Bollinger Canyon Road
San Ramon CA 94583

MW-X9

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
Wet Chemistry	**SM20 2320 B**		**ug/l as CaCO3**	**ug/l as CaCO3**	
12150	Total Alkalinity	n.a.	233,000	700	1
12149	Bicarbonate Alkalinity	n.a.	233,000	700	1
	SM20 4500 S2 D		**ug/l**	**ug/l**	
00230	Sulfide	18496-25-8	N.D.	54	1

General Sample Comments

State of California Lab Certification No. 2501

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10905	8260 Full List w/ Sep. Xylenes	SW-846 8260B	1	W121922AA	07/10/2012 18:58	Emily R Styer	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	W121922AA	07/10/2012 18:58	Emily R Styer	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	12191A94A	07/09/2012 18:48	Marie D John	1
01146	GC VOA Water Prep	SW-846 5030B	1	12191A94A	07/09/2012 18:48	Marie D John	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 08/11/94 modified	1	121910003A	07/09/2012 15:44	Kerrie A Freeburn	1
02740	Custom TPH with Ranges (Water)	SW-846 8015B modified	1	121820013A	07/05/2012 04:02	Heather E Williams	1
11181	Custom TPH w/ Ranges Water Ext	SW-846 3510C	1	121820013A	07/02/2012 08:15	Catherine R Wiker	1
00368	Nitrate Nitrogen	EPA 300.0	1	12180495901A	06/29/2012 05:54	James S Mathiot	5
00228	Sulfate	EPA 300.0	1	12180495901A	06/29/2012 05:54	Clinton M Wilson	5
00273	Total Organic Carbon	SM20 5310 C	1	12187049501A	07/05/2012 02:11	James S Mathiot	1
12150	Total Alkalinity	SM20 2320 B	1	12187004202B	07/05/2012 22:39	Susan A Engle	1
12149	Bicarbonate Alkalinity	SM20 2320 B	1	12187004202B	07/05/2012 22:39	Susan A Engle	1
00230	Sulfide	SM20 4500 S2 D	1	12185023001A	07/03/2012 09:55	Susan E Hibner	1

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Analysis Report

Sample Description: MW-X9-W-120627 Filtered Grab Water
Facility# 206265 BBLW
1520 Powell St-Emeryville SLT2007076 MW-X9

LLI Sample # WW 6704890
LLI Group # 1318924
Account # 11964

Project Name: 206265

Collected: 06/27/2012 14:00 by HT

Submitted: 06/28/2012 09:15
Reported: 07/11/2012 17:26

Chevron
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6001 Bollinger Canyon Road
San Ramon CA 94583

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
Metals Dissolved	**EPA 200.7 rev 4.4**		ug/l	ug/l	
01754	Iron	7439-89-6	N.D.	33.3	1
07058	Manganese	7439-96-5	371	0.83	1

General Sample Comments

State of California Lab Certification No. 2501
This sample was field filtered for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
01754	Iron	EPA 200.7 rev 4.4	1	121845716001	07/04/2012 08:27	Joanne M Gates	1
07058	Manganese	EPA 200.7 rev 4.4	1	121845716001	07/04/2012 08:27	Joanne M Gates	1
05716	EPA 600 ICP Digest (tot rec)	EPA 200.7 rev 4.4	1	121845716001	07/03/2012 08:35	Denise K Conners	1

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Analysis Report

Sample Description: MW-X6-W-120627 Grab Water
Facility# 206265 BBLW
1520 Powell St-Emeryville SLT2007076 MW-X6

LLI Sample # WW 6704891
LLI Group # 1318924
Account # 11964

Project Name: 206265

Collected: 06/27/2012 15:00 by HT

Submitted: 06/28/2012 09:15
Reported: 07/11/2012 17:26

Chevron
L4310
6001 Bollinger Canyon Road
San Ramon CA 94583

MW-X6

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10905	Acetone	67-64-1	N.D.	6	1
10905	t-Amyl methyl ether	994-05-8	N.D.	0.5	1
10905	Benzene	71-43-2	N.D.	0.5	1
10905	Bromobenzene	108-86-1	N.D.	1	1
10905	Bromochloromethane	74-97-5	N.D.	1	1
10905	Bromodichloromethane	75-27-4	N.D.	1	1
10905	Bromoform	75-25-2	N.D.	1	1
10905	Bromomethane	74-83-9	N.D.	1	1
10905	2-Butanone	78-93-3	N.D.	3	1
10905	t-Butyl alcohol	75-65-0	N.D.	5	1
10905	n-Butylbenzene	104-51-8	N.D.	1	1
10905	sec-Butylbenzene	135-98-8	N.D.	1	1
10905	tert-Butylbenzene	98-06-6	N.D.	1	1
10905	Carbon Disulfide	75-15-0	N.D.	1	1
10905	Carbon Tetrachloride	56-23-5	N.D.	1	1
10905	Chlorobenzene	108-90-7	N.D.	0.8	1
10905	Chloroethane	75-00-3	N.D.	1	1
10905	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.				
10905	Chloroform	67-66-3	N.D.	0.8	1
10905	Chloromethane	74-87-3	N.D.	1	1
10905	2-Chlorotoluene	95-49-8	N.D.	1	1
10905	4-Chlorotoluene	106-43-4	N.D.	1	1
10905	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	2	1
10905	Dibromochloromethane	124-48-1	N.D.	1	1
10905	1,2-Dibromoethane	106-93-4	N.D.	0.5	1
10905	Dibromomethane	74-95-3	N.D.	1	1
10905	1,2-Dichlorobenzene	95-50-1	N.D.	1	1
10905	1,3-Dichlorobenzene	541-73-1	N.D.	1	1
10905	1,4-Dichlorobenzene	106-46-7	N.D.	1	1
10905	Dichlorodifluoromethane	75-71-8	N.D.	2	1
10905	1,1-Dichloroethane	75-34-3	N.D.	1	1
10905	1,2-Dichloroethane	107-06-2	N.D.	0.5	1
10905	1,1-Dichloroethene	75-35-4	N.D.	0.8	1
10905	cis-1,2-Dichloroethene	156-59-2	1	0.8	1
10905	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	1
10905	1,2-Dichloropropane	78-87-5	N.D.	1	1
10905	1,3-Dichloropropane	142-28-9	N.D.	1	1
10905	2,2-Dichloropropane	594-20-7	N.D.	1	1
10905	1,1-Dichloropropene	563-58-6	N.D.	1	1
10905	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	1
10905	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	1
10905	Ethanol	64-17-5	N.D.	50	1
10905	Ethyl t-butyl ether	637-92-3	N.D.	0.5	1
10905	Ethylbenzene	100-41-4	N.D.	0.5	1
10905	Freon 113	76-13-1	N.D.	2	1
10905	Hexachlorobutadiene	87-68-3	N.D.	2	1
10905	2-Hexanone	591-78-6	N.D.	3	1
10905	di-Isopropyl ether	108-20-3	N.D.	0.5	1

Sample Description: MW-X6-W-120627 Grab Water
Facility# 206265 BBLW
1520 Powell St-Emeryville SLT2007076 MW-X6

LLI Sample # WW 6704891
LLI Group # 1318924
Account # 11964

Project Name: 206265

Collected: 06/27/2012 15:00 by HT

Submitted: 06/28/2012 09:15
Reported: 07/11/2012 17:26

Chevron
L4310
6001 Bollinger Canyon Road
San Ramon CA 94583

MW-X6

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10905	Isopropylbenzene	98-82-8	N.D.	1	1
10905	p-Isopropyltoluene	99-87-6	N.D.	1	1
10905	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	1
10905	4-Methyl-2-pentanone	108-10-1	N.D.	3	1
10905	Methylene Chloride	75-09-2	N.D.	2	1
10905	Naphthalene	91-20-3	N.D.	1	1
10905	n-Propylbenzene	103-65-1	N.D.	1	1
10905	Styrene	100-42-5	N.D.	1	1
10905	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1	1
10905	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	1
10905	Tetrachloroethene	127-18-4	N.D.	0.8	1
10905	Toluene	108-88-3	N.D.	0.5	1
10905	1,2,3-Trichlorobenzene	87-61-6	N.D.	1	1
10905	1,2,4-Trichlorobenzene	120-82-1	N.D.	1	1
10905	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	1
10905	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	1
10905	Trichloroethene	79-01-6	N.D.	1	1
10905	Trichlorofluoromethane	75-69-4	N.D.	2	1
10905	1,2,3-Trichloropropane	96-18-4	N.D.	1	1
10905	1,2,4-Trimethylbenzene	95-63-6	N.D.	1	1
10905	1,3,5-Trimethylbenzene	108-67-8	N.D.	1	1
10905	Vinyl Chloride	75-01-4	N.D.	1	1
10905	m+p-Xylene	n.a.	N.D.	0.5	1
10905	o-Xylene	95-47-6	N.D.	0.5	1
GC Volatiles	**SW-846 8015B**		**ug/l**	**ug/l**	
01728	TPH-GRO N. CA water C6-C12	n.a.	N.D.	50	1
GC Miscellaneous	**RSKSOP-175 08/11/94 modified**		**ug/l**	**ug/l**	
07105	Ethane	74-84-0	N.D.	1.0	1
07105	Ethene	74-85-1	N.D.	1.0	1
07105	Methane	74-82-8	130	5.0	1
GC Petroleum Hydrocarbons	**SW-846 8015B modified**		**ug/l**	**ug/l**	
02740	C11-C36	n.a.	N.D.	49	1
02740	Total TPH	n.a.	N.D.	49	1
The reverse surrogate, capric acid, is present at <1%.					
Wet Chemistry	**EPA 300.0**		**ug/l**	**ug/l**	
00368	Nitrate Nitrogen	14797-55-8	N.D.	250	5
00228	Sulfate	14808-79-8	28,000	1,500	5
	SM20 5310 C		**ug/l**	**ug/l**	
00273	Total Organic Carbon	n.a.	4,800	500	1

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Analysis Report

Sample Description: MW-X6-W-120627 Grab Water
Facility# 206265 BBLW
1520 Powell St-Emeryville SLT2007076 MW-X6

LLI Sample # WW 6704891
LLI Group # 1318924
Account # 11964

Project Name: 206265

Collected: 06/27/2012 15:00 by HT

Submitted: 06/28/2012 09:15
Reported: 07/11/2012 17:26

Chevron
L4310
6001 Bollinger Canyon Road
San Ramon CA 94583

MW-X6

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
Wet Chemistry	**SM20 2320 B**		**ug/l as CaCO3**	**ug/l as CaCO3**	
12150	Total Alkalinity	n.a.	236,000	700	1
12149	Bicarbonate Alkalinity	n.a.	236,000	700	1
	SM20 4500 S2 D		**ug/l**	**ug/l**	
00230	Sulfide	18496-25-8	N.D.	54	1

General Sample Comments

State of California Lab Certification No. 2501

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10905	8260 Full List w/ Sep. Xylenes	SW-846 8260B	1	W121922AA	07/10/2012 19:21	Emily R Styer	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	W121922AA	07/10/2012 19:21	Emily R Styer	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	12191A94A	07/09/2012 19:13	Marie D John	1
01146	GC VOA Water Prep	SW-846 5030B	1	12191A94A	07/09/2012 19:13	Marie D John	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 08/11/94 modified	1	121910003A	07/09/2012 16:01	Kerrie A Freeburn	1
02740	Custom TPH with Ranges (Water)	SW-846 8015B modified	1	121820013A	07/05/2012 04:25	Heather E Williams	1
11181	Custom TPH w/ Ranges Water Ext	SW-846 3510C	1	121820013A	07/02/2012 08:15	Catherine R Wiker	1
00368	Nitrate Nitrogen	EPA 300.0	1	12180495901A	06/29/2012 06:08	James S Mathiot	5
00228	Sulfate	EPA 300.0	1	12180495901A	06/29/2012 06:08	Clinton M Wilson	5
00273	Total Organic Carbon	SM20 5310 C	1	12187049501A	07/05/2012 02:25	James S Mathiot	1
12150	Total Alkalinity	SM20 2320 B	1	12187004202B	07/05/2012 22:45	Susan A Engle	1
12149	Bicarbonate Alkalinity	SM20 2320 B	1	12187004202B	07/05/2012 22:45	Susan A Engle	1
00230	Sulfide	SM20 4500 S2 D	1	12185023001A	07/03/2012 09:55	Susan E Hibner	1

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Analysis Report

Sample Description: MW-X6-W-120627 Filtered Grab Water
Facility# 206265 BBLW
1520 Powell St-Emeryville SLT2007076 MW-X6

LLI Sample # WW 6704892
LLI Group # 1318924
Account # 11964

Project Name: 206265

Collected: 06/27/2012 15:00 by HT

Submitted: 06/28/2012 09:15
Reported: 07/11/2012 17:26

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6001 Bollinger Canyon Road
San Ramon CA 94583

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
Metals Dissolved	**EPA 200.7 rev 4.4**		ug/l	ug/l	
01754	Iron	7439-89-6	109	33.3	1
07058	Manganese	7439-96-5	1,330	0.83	1

General Sample Comments

State of California Lab Certification No. 2501
This sample was field filtered for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
01754	Iron	EPA 200.7 rev 4.4	1	121845716001	07/04/2012 08:30	Joanne M Gates	1
07058	Manganese	EPA 200.7 rev 4.4	1	121845716001	07/04/2012 08:30	Joanne M Gates	1
05716	EPA 600 ICP Digest (tot rec)	EPA 200.7 rev 4.4	1	121845716001	07/03/2012 08:35	Denise K Conners	1

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Analysis Report

Sample Description: QA-T-120627 NA Water
Facility# 206265 BBLW
1520 Powell St-Emeryville SLT2007076 QA

LLI Sample # WW 6704893
LLI Group # 1318924
Account # 11964

Project Name: 206265

Collected: 06/27/2012

Submitted: 06/28/2012 09:15
Reported: 07/11/2012 17:26

Chevron
L4310
6001 Bollinger Canyon Road
San Ramon CA 94583

X6-TB

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		ug/l	ug/l	
10905	Acetone	67-64-1	N.D.	6	1
10905	t-Amyl methyl ether	994-05-8	N.D.	0.5	1
10905	Benzene	71-43-2	N.D.	0.5	1
10905	Bromobenzene	108-86-1	N.D.	1	1
10905	Bromochloromethane	74-97-5	N.D.	1	1
10905	Bromodichloromethane	75-27-4	N.D.	1	1
10905	Bromoform	75-25-2	N.D.	1	1
10905	Bromomethane	74-83-9	N.D.	1	1
10905	2-Butanone	78-93-3	N.D.	3	1
10905	t-Butyl alcohol	75-65-0	N.D.	5	1
10905	n-Butylbenzene	104-51-8	N.D.	1	1
10905	sec-Butylbenzene	135-98-8	N.D.	1	1
10905	tert-Butylbenzene	98-06-6	N.D.	1	1
10905	Carbon Disulfide	75-15-0	N.D.	1	1
10905	Carbon Tetrachloride	56-23-5	N.D.	1	1
10905	Chlorobenzene	108-90-7	N.D.	0.8	1
10905	Chloroethane	75-00-3	N.D.	1	1
10905	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.				
10905	Chloroform	67-66-3	N.D.	0.8	1
10905	Chloromethane	74-87-3	N.D.	1	1
10905	2-Chlorotoluene	95-49-8	N.D.	1	1
10905	4-Chlorotoluene	106-43-4	N.D.	1	1
10905	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	2	1
10905	Dibromochloromethane	124-48-1	N.D.	1	1
10905	1,2-Dibromoethane	106-93-4	N.D.	0.5	1
10905	Dibromomethane	74-95-3	N.D.	1	1
10905	1,2-Dichlorobenzene	95-50-1	N.D.	1	1
10905	1,3-Dichlorobenzene	541-73-1	N.D.	1	1
10905	1,4-Dichlorobenzene	106-46-7	N.D.	1	1
10905	Dichlorodifluoromethane	75-71-8	N.D.	2	1
10905	1,1-Dichloroethane	75-34-3	N.D.	1	1
10905	1,2-Dichloroethane	107-06-2	N.D.	0.5	1
10905	1,1-Dichloroethene	75-35-4	N.D.	0.8	1
10905	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	1
10905	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	1
10905	1,2-Dichloropropane	78-87-5	N.D.	1	1
10905	1,3-Dichloropropane	142-28-9	N.D.	1	1
10905	2,2-Dichloropropane	594-20-7	N.D.	1	1
10905	1,1-Dichloropropene	563-58-6	N.D.	1	1
10905	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	1
10905	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	1
10905	Ethanol	64-17-5	N.D.	50	1
10905	Ethyl t-butyl ether	637-92-3	N.D.	0.5	1
10905	Ethylbenzene	100-41-4	N.D.	0.5	1
10905	Freon 113	76-13-1	N.D.	2	1
10905	Hexachlorobutadiene	87-68-3	N.D.	2	1
10905	2-Hexanone	591-78-6	N.D.	3	1
10905	di-Isopropyl ether	108-20-3	N.D.	0.5	1

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Analysis Report

Sample Description: QA-T-120627 NA Water
Facility# 206265 BBLW
1520 Powell St-Emeryville SLT2007076 QA

LLI Sample # WW 6704893
LLI Group # 1318924
Account # 11964

Project Name: 206265

Collected: 06/27/2012

Submitted: 06/28/2012 09:15
Reported: 07/11/2012 17:26

Chevron
L4310
6001 Bollinger Canyon Road
San Ramon CA 94583

X6-TB

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10905	Isopropylbenzene	98-82-8	N.D.	1	1
10905	p-Isopropyltoluene	99-87-6	N.D.	1	1
10905	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	1
10905	4-Methyl-2-pentanone	108-10-1	N.D.	3	1
10905	Methylene Chloride	75-09-2	N.D.	2	1
10905	Naphthalene	91-20-3	N.D.	1	1
10905	n-Propylbenzene	103-65-1	N.D.	1	1
10905	Styrene	100-42-5	N.D.	1	1
10905	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1	1
10905	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	1
10905	Tetrachloroethene	127-18-4	N.D.	0.8	1
10905	Toluene	108-88-3	N.D.	0.5	1
10905	1,2,3-Trichlorobenzene	87-61-6	N.D.	1	1
10905	1,2,4-Trichlorobenzene	120-82-1	N.D.	1	1
10905	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	1
10905	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	1
10905	Trichloroethene	79-01-6	N.D.	1	1
10905	Trichlorofluoromethane	75-69-4	N.D.	2	1
10905	1,2,3-Trichloropropane	96-18-4	N.D.	1	1
10905	1,2,4-Trimethylbenzene	95-63-6	N.D.	1	1
10905	1,3,5-Trimethylbenzene	108-67-8	N.D.	1	1
10905	Vinyl Chloride	75-01-4	N.D.	1	1
10905	m+p-Xylene	n.a.	3	0.5	1
10905	o-Xylene	95-47-6	N.D.	0.5	1
GC Volatiles	**SW-846 8015B**		**ug/l**	**ug/l**	
01728	TPH-GRO N. CA water C6-C12	n.a.	N.D.	50	1

General Sample Comments

State of California Lab Certification No. 2501

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10905	8260 Full List w/ Sep. Xylenes	SW-846 8260B	1	W121922AA	07/10/2012 19:45	Emily R Styer	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	W121922AA	07/10/2012 19:45	Emily R Styer	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	12191A94A	07/09/2012 11:34	Marie D John	1
01146	GC VOA Water Prep	SW-846 5030B	1	12191A94A	07/09/2012 11:34	Marie D John	1

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Quality Control Summary

Client Name: Chevron Group Number: 1318924
Reported: 07/11/12 at 05:26 PM

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: W121922AA	Sample number(s): 6704875-6704877,6704883,6704885,6704887,6704889,6704891,6704893							
Acetone	N.D.	6.	ug/l	80		38-212		
t-Amyl methyl ether	N.D.	0.5	ug/l	104		66-120		
Benzene	N.D.	0.5	ug/l	108		77-121		
Bromobenzene	N.D.	1.	ug/l	108		80-120		
Bromochloromethane	N.D.	1.	ug/l	99		77-130		
Bromodichloromethane	N.D.	1.	ug/l	98		73-120		
Bromoform	N.D.	1.	ug/l	85		61-120		
Bromomethane	N.D.	1.	ug/l	77		44-120		
2-Butanone	N.D.	3.	ug/l	79		53-155		
t-Butyl alcohol	N.D.	5.	ug/l	112		68-125		
n-Butylbenzene	N.D.	1.	ug/l	100		73-130		
sec-Butylbenzene	N.D.	1.	ug/l	102		74-124		
tert-Butylbenzene	N.D.	1.	ug/l	98		80-120		
Carbon Disulfide	N.D.	1.	ug/l	105		62-125		
Carbon Tetrachloride	N.D.	1.	ug/l	100		67-122		
Chlorobenzene	N.D.	0.8	ug/l	106		80-120		
Chloroethane	N.D.	1.	ug/l	74		49-129		
2-Chloroethyl Vinyl Ether	N.D.	2.	ug/l	166*		56-129		
Chloroform	N.D.	0.8	ug/l	104		77-122		
Chloromethane	N.D.	1.	ug/l	67		60-129		
2-Chlorotoluene	N.D.	1.	ug/l	104		80-120		
4-Chlorotoluene	N.D.	1.	ug/l	106		80-120		
1,2-Dibromo-3-chloropropane	N.D.	2.	ug/l	94		56-126		
Dibromochloromethane	N.D.	1.	ug/l	98		72-120		
1,2-Dibromoethane	N.D.	0.5	ug/l	102		76-120		
Dibromomethane	N.D.	1.	ug/l	99		80-120		
1,2-Dichlorobenzene	N.D.	1.	ug/l	102		80-120		
1,3-Dichlorobenzene	N.D.	1.	ug/l	100		80-120		
1,4-Dichlorobenzene	N.D.	1.	ug/l	101		80-120		
Dichlorodifluoromethane	N.D.	2.	ug/l	83		47-120		
1,1-Dichloroethane	N.D.	1.	ug/l	108		79-120		
1,2-Dichloroethane	N.D.	0.5	ug/l	121		64-130		
1,1-Dichloroethene	N.D.	0.8	ug/l	95		80-120		
cis-1,2-Dichloroethene	N.D.	0.8	ug/l	103		80-120		
trans-1,2-Dichloroethene	N.D.	0.8	ug/l	102		80-120		
1,2-Dichloropropane	N.D.	1.	ug/l	102		80-120		
1,3-Dichloropropane	N.D.	1.	ug/l	112		80-120		
2,2-Dichloropropane	N.D.	1.	ug/l	106		67-124		
1,1-Dichloropropene	N.D.	1.	ug/l	111		80-120		
cis-1,3-Dichloropropene	N.D.	1.	ug/l	106		78-120		
trans-1,3-Dichloropropene	N.D.	1.	ug/l	104		79-120		
Ethanol	N.D.	50.	ug/l	80		54-149		
Ethyl t-butyl ether	N.D.	0.5	ug/l	105		66-120		
Ethylbenzene	N.D.	0.5	ug/l	106		79-120		

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: Chevron Group Number: 1318924
Reported: 07/11/12 at 05:26 PM

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Freon 113	N.D.	2.	ug/l	101		69-128		
Hexachlorobutadiene	N.D.	2.	ug/l	84		58-120		
2-Hexanone	N.D.	3.	ug/l	84		53-139		
di-Isopropyl ether	N.D.	0.5	ug/l	89		71-124		
Isopropylbenzene	N.D.	1.	ug/l	99		77-120		
p-Isopropyltoluene	N.D.	1.	ug/l	101		77-121		
Methyl Tertiary Butyl Ether	N.D.	0.5	ug/l	108		68-121		
4-Methyl-2-pentanone	N.D.	3.	ug/l	80		58-133		
Methylene Chloride	N.D.	2.	ug/l	100		80-126		
Naphthalene	N.D.	1.	ug/l	85		47-126		
n-Propylbenzene	N.D.	1.	ug/l	108		77-130		
Styrene	N.D.	1.	ug/l	99		77-120		
1,1,1,2-Tetrachloroethane	N.D.	1.	ug/l	102		79-120		
1,1,2,2-Tetrachloroethane	N.D.	1.	ug/l	105		75-123		
Tetrachloroethene	N.D.	0.8	ug/l	102		79-120		
Toluene	N.D.	0.5	ug/l	110		79-120		
1,2,3-Trichlorobenzene	N.D.	1.	ug/l	91		71-120		
1,2,4-Trichlorobenzene	N.D.	1.	ug/l	94		72-120		
1,1,1-Trichloroethane	N.D.	0.8	ug/l	98		70-121		
1,1,2-Trichloroethane	N.D.	0.8	ug/l	103		80-120		
Trichloroethene	N.D.	1.	ug/l	101		80-120		
Trichlorofluoromethane	N.D.	2.	ug/l	104		56-128		
1,2,3-Trichloropropane	N.D.	1.	ug/l	111		76-120		
1,2,4-Trimethylbenzene	N.D.	1.	ug/l	106		69-122		
1,3,5-Trimethylbenzene	N.D.	1.	ug/l	108		68-124		
Vinyl Chloride	N.D.	1.	ug/l	83		56-123		
m+p-Xylene	N.D.	0.5	ug/l	105		77-120		
o-Xylene	N.D.	0.5	ug/l	102		77-120		
Batch number: 12191A94A	Sample number(s): 6704875-6704877,6704883,6704885,6704887,6704889,6704891,6704893							
TPH-GRO N. CA water C6-C12	N.D.	50.	ug/l	100		75-135		
Batch number: 121910003A	Sample number(s): 6704875-6704877,6704883,6704885,6704887,6704889,6704891							
Ethane	N.D.	1.0	ug/l	98		80-120		
Ethene	N.D.	1.0	ug/l	97		75-130		
Methane	N.D.	5.0	ug/l	93		80-120		
Batch number: 121820013A	Sample number(s): 6704875-6704877,6704883,6704885,6704887,6704889,6704891							
C11-C36	N.D.	50.	ug/l					
Total TPH	N.D.	50.	ug/l	98		52-119		
Batch number: 121845716001	Sample number(s): 6704879-6704880,6704882,6704884,6704886,6704888,6704890,6704892							
Iron	N.D.	33.3	ug/l	102		90-110		
Manganese	N.D.	0.83	ug/l	98		85-115		
Batch number: 12180495901A	Sample number(s): 6704875-6704876,6704878,6704883,6704885,6704887,6704889,6704891							
Nitrate Nitrogen	N.D.	50.	ug/l	98		90-110		
Sulfate	N.D.	300.	ug/l	103		90-110		
Batch number: 12187049501A	Sample number(s): 6704875-6704876,6704878,6704883,6704885,6704887,6704889,6704891							
Total Organic Carbon	N.D.	500.	ug/l	102		91-113		
Batch number: 12185023001A	Sample number(s): 6704875-6704878,6704883,6704885,6704887,6704889,6704891							
Sulfide	N.D.	54.	ug/l	103		90-110		

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: Chevron Group Number: 1318924
Reported: 07/11/12 at 05:26 PM

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 12187004202B	Sample number(s): 6704875-6704878,6704883,6704885,6704887,6704889,6704891							
Total Alkalinity	N.D.	700.	ug/l as CaCO3	99		90-110		

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: W121922AA	Sample number(s): 6704875-6704877,6704883,6704885,6704887,6704889,6704891,6704893 UNSPK: 6704875								
Acetone	68 (2)	-137 (2)	52-139	22	30				
t-Amyl methyl ether	103	102	65-117	1	30				
Benzene	112	112	72-134	0	30				
Bromobenzene	109	108	82-115	0	30				
Bromochloromethane	98	97	76-134	1	30				
Bromodichloromethane	99	98	78-125	1	30				
Bromoform	79	80	48-118	1	30				
Bromomethane	88	81	38-149	8	30				
2-Butanone	67	67	57-138	1	30				
t-Butyl alcohol	100	104	67-119	4	30				
n-Butylbenzene	107	106	73-128	1	30				
sec-Butylbenzene	107	104	79-125	3	30				
tert-Butylbenzene	100	101	81-121	0	30				
Carbon Disulfide	115	114	67-135	2	30				
Carbon Tetrachloride	111	109	72-135	2	30				
Chlorobenzene	110	109	87-124	0	30				
Chloroethane	82	81	51-145	1	30				
2-Chloroethyl Vinyl Ether	24	21	10-151	11	30				
Chloroform	109	108	81-134	1	30				
Chloromethane	72	73	67-154	1	30				
2-Chlorotoluene	108	104	82-118	4	30				
4-Chlorotoluene	109	107	84-122	2	30				
1,2-Dibromo-3-chloropropane	88	89	54-134	2	30				
Dibromochloromethane	96	96	74-116	0	30				
1,2-Dibromoethane	98	100	77-116	2	30				
Dibromomethane	99	99	83-119	0	30				
1,2-Dichlorobenzene	100	100	84-119	0	30				
1,3-Dichlorobenzene	101	101	86-121	1	30				
1,4-Dichlorobenzene	103	102	85-121	1	30				
Dichlorodifluoromethane	98	95	52-129	4	30				
1,1-Dichloroethane	118	119	84-129	1	30				
1,2-Dichloroethane	124	123	68-131	1	30				
1,1-Dichloroethene	107	106	85-142	1	30				
cis-1,2-Dichloroethene	71*	127*	85-125	27	30				
trans-1,2-Dichloroethene	111	106	87-126	4	30				
1,2-Dichloropropane	103	103	83-124	0	30				
1,3-Dichloropropane	108	110	81-120	3	30				
2,2-Dichloropropane	113	114	69-135	1	30				
1,1-Dichloropropene	120	118	86-137	1	30				

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(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: Chevron Group Number: 1318924
Reported: 07/11/12 at 05:26 PM

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
cis-1,3-Dichloropropene	104	102	70-116	2	30				
trans-1,3-Dichloropropene	101	100	74-119	1	30				
Ethanol	59	51*	53-146	15	30				
Ethyl t-butyl ether	107	104	74-122	4	30				
Ethylbenzene	110	112	71-134	2	30				
Freon 113	108	119	89-148	6	30				
Hexachlorobutadiene	87	93	56-134	7	30				
2-Hexanone	74	76	55-127	3	30				
di-Isopropyl ether	92	91	70-129	1	30				
Isopropylbenzene	103	104	75-128	0	30				
p-Isopropyltoluene	105	104	76-123	1	30				
Methyl Tertiary Butyl Ether	109	108	72-126	2	30				
4-Methyl-2-pentanone	72	74	63-123	3	30				
Methylene Chloride	108	102	78-133	6	30				
Naphthalene	85	84	52-125	1	30				
n-Propylbenzene	113	110	74-134	3	30				
Styrene	102	102	78-125	0	30				
1,1,1,2-Tetrachloroethane	103	102	82-119	1	30				
1,1,2,2-Tetrachloroethane	99	102	72-128	3	30				
Tetrachloroethene	109	111	80-128	2	30				
Toluene	113	116	80-125	2	30				
1,2,3-Trichlorobenzene	91	90	69-119	2	30				
1,2,4-Trichlorobenzene	93	95	70-124	2	30				
1,1,1-Trichloroethane	105	104	74-131	1	30				
1,1,2-Trichloroethane	101	102	77-124	1	30				
Trichloroethene	110	110	88-133	0	30				
Trichlorofluoromethane	121	117	64-146	4	30				
1,2,3-Trichloropropane	104	105	76-118	2	30				
1,2,4-Trimethylbenzene	109	107	72-130	2	30				
1,3,5-Trimethylbenzene	110	109	76-120	1	30				
Vinyl Chloride	91	93	66-133	2	30				
m+p-Xylene	108	108	79-125	0	30				
o-Xylene	107	106	79-125	1	30				
Batch number: 12191A94A	Sample number(s): 6704875-6704877,6704883,6704885,6704887,6704889,6704891,6704893 UNSPK: 6704875								
TPH-GRO N. CA water C6-C12	109	109	75-135	0	30				
Batch number: 121910003A	Sample number(s): 6704875-6704877,6704883,6704885,6704887,6704889,6704891 UNSPK: 6704875								
Ethane	54	57	34-153	5	20				
Ethene	34*	49	35-162	11	20				
Methane	-7999 (2)	-7999 (2)	35-157	0	20				
Batch number: 121820013A	Sample number(s): 6704875-6704877,6704883,6704885,6704887,6704889,6704891 UNSPK: 6704875								
Total TPH	101	95	26-138	6	20				
Batch number: 121845716001	Sample number(s): 6704879-6704880,6704882,6704884,6704886,6704888,6704890,6704892 UNSPK: 6704879 BKG: 6704879								
Iron	204 (2)		70-130			6,050	6,030	0	20

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(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: Chevron Group Number: 1318924
Reported: 07/11/12 at 05:26 PM

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Manganese	152 (2)		70-130			13,800	13,800	0	20
Batch number: 12180495901A	Sample number(s): 6704875-6704876,6704878,6704883,6704885,6704887,6704889,6704891 UNSPK: 6704875 BKG: 6704875								
Nitrate Nitrogen	101		90-110			N.D.	N.D.	0 (1)	20
Sulfate	99		90-110			3,700	3,200	14 (1)	20
Batch number: 12187049501A	Sample number(s): 6704875-6704876,6704878,6704883,6704885,6704887,6704889,6704891 UNSPK: 6704875 BKG: 6704875								
Total Organic Carbon	106		63-142			255,000	217,000	16*	3
Batch number: 12185023001A	Sample number(s): 6704875-6704878,6704883,6704885,6704887,6704889,6704891 UNSPK: 6704875 BKG: 6704875								
Sulfide	99	92	43-137	7	16	N.D.	N.D.	0 (1)	5
Batch number: 12187004202B	Sample number(s): 6704875-6704878,6704883,6704885,6704887,6704889,6704891 UNSPK: 6704875 BKG: 6704875								
Total Alkalinity	6 (2)	-6 (2)	73-121	3	5	850,000	846,000	0	5

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: VOCs by 8260B(Extended) -Water
Batch number: W121922AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
6704875	101	99	107	104
6704876	102	103	107	105
6704877	101	102	109	106
6704883	101	98	106	105
6704885	100	100	106	104
6704887	101	104	106	102
6704889	100	103	106	104
6704891	100	103	105	104
6704893	101	102	106	104
Blank	100	100	106	104
LCS	100	101	108	105
MS	102	103	107	105
MSD	101	102	109	106
Limits:	80-116	77-113	80-113	78-113

Analysis Name: TPH-GRO N. CA water C6-C12
Batch number: 12191A94A

	Trifluorotoluene-F

*- Outside of specification
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(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: Chevron Group Number: 1318924
Reported: 07/11/12 at 05:26 PM

Surrogate Quality Control

6704875	75
6704876	92
6704877	92
6704883	79
6704885	77
6704887	82
6704889	87
6704891	101
6704893	86
Blank	74
LCS	93
MS	92
MSD	92
Limits:	63-135

Analysis Name: Custom TPH with Ranges (Water)
Batch number: 121820013A

	Chlorobenzene	Orthoterphenyl
6704875	80	97
6704876	82	102
6704877	73	97
6704883	84	97
6704885	81	95
6704887	82	92
6704889	61	63
6704891	84	100
Blank	73	95
LCS	67	98
MS	82	102
MSD	73	98
Limits:	28-152	52-131

Analysis Name: Volatile Headspace Hydrocarbon
Batch number: 121910003A

	Propene
6704875	45
6704876	42
6704877	45
6704883	43
6704885	40*
6704887	49
6704889	52
6704891	50
Blank	90
LCS	88
MS	42
MSD	45
Limits:	42-131

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Chevron California Region Analysis Request/Chain of Custody

247385

Lancaster Laboratories
Where quality is a science.

Acct. #: 11964 For Lancaster Laboratories use only Sample #: 6704875 93 SCR#:

C# 1318924

Analyses Requested

Preservation Codes

Preservative Codes	
H = HCl	T = Thiosulfate
N = HNO_3	B = NaOH
S = H_2SO_4	O = Other

Facility #: 206265
Site Address: 520 Powell Street Emeryville, CA
Chevron PM: Katalina Espino Dorn Lead Consultant: ARCADIS
Consultant/Office: 2099 Oak Rd Suite 300 Walnut Creek CA
Consultant Prj. Mgr.: Melissa Blanchette
Consultant Phone #: 925.296.7850 Fax #: 925.274.1103
Sampler: HT/SK
Service Order #: 00775881 ☐ Non SAR:

☐ J value reporting needed
☐ Must meet lowest detection limits possible for 8260 compounds

8021 MTBE Confirmation
☐ Confirm highest hit by 8260
☐ Confirm all hits by 8260
☐ Run ____ oxy's on highest hit
☐ Run ____ oxy's on all hits

Field Point Name	Matrix	Repeat Sample	Top Depth	Year Month Day	Time Collected	New Field Pt.	Grab	Composite	Total Number of Containers	BTEX + MTBE 8260 ☐ 8021 ☐	TPH 8015 MOD GRO	TPH 8015 MOD DRO ☐ Silica Gel Cleanup	TPH-DRO 8260 full scan	Oxygenates	Lead 7420 ☐ 7421 ☐	Methane Ethane Ethene	alkalinity, bicarbonate	1-2 Metals: Fe + Mn	Sulfate, nitrate, nitrogen	Sulfide	TOC
MW-8K ** ①	W			2012 06 27	0800		X		5[1]	SK	X	X	X			X	X	X	X	X	X
MW-19A	W			2012 06 27	0930		X		17		X	X	X			X	X	X	X	X	X
MW-X3	W			2012 06 27	1100		X		17		X	X	X			X	X	X	X	X	X
MW-18	W			2012 06 27	1300		X		17		X	X	X			X	X	X	X	X	X
MW-X9	W			2012 06 27	1400		X		17		X	X	X			X	X	X	X	X	X
MW-X6	W			2012 06 27	②		X		17		X	X	X			X	X	X	X	X	X
TB-20120627	W			20120627			X		2		X		X								

Comments / Remarks

* Field Filtered SK
** MS/MSD
Note: holding time 48 hrs

① sample ID updated to MW-X8 per SK.
② Collection time 1500 per sample labels. fmp 6/29/12

Turnaround Time Requested (TAT) (please circle)

STD. TAT 72 hour 48 hour
24 hour 4 day 5 day

Data Package Options (please circle if required)

QC Summary Type I – Full
Type VI (Raw Data) ☐ Coelt Deliverable not needed
WIP (RWQCB)
Disk

		Date	Time		Date	Time
Relinquished by:	Sheida Kalbassi	06/27/12	1600	Received by:		
Relinquished by:		Date	Time	Received by:	Date	Time
Relinquished by:		Date	Time	Received by:	Date	Time
Relinquished by Commercial Carrier: UPS FedEx Other				Received by:	6/28/12	0915
Temperature Upon Receipt 1.5-2.9 C°				Custody Seals Intact? Yes No		

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Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

RL	Reporting Limit	**BMQL**	Below Minimum Quantitation Level
N.D.	none detected	**MPN**	Most Probable Number
TNTC	Too Numerous To Count	**CP Units**	cobalt-chloroplatinate units
IU	International Units	**NTU**	nephelometric turbidity units
umhos/cm	micromhos/cm	**ng**	nanogram(s)
C	degrees Celsius	**F**	degrees Fahrenheit
meq	milliequivalents	**lb.**	pound(s)
g	gram(s)	**kg**	kilogram(s)
µg	microgram(s)	**mg**	milligram(s)
mL	milliliter(s)	**L**	liter(s)
m3	cubic meter(s)	**µL**	microliter(s)
		pg/L	picogram/liter

< less than - The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

> greater than

ppm parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.

ppb parts per billion

Dry weight basis Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.

Data Qualifiers:

C – result confirmed by reanalysis.

J - estimated value – The result is ≥ the Method Detection Limit (MDL) and < the Limit of Quantitation (LOQ).

U.S. EPA CLP Data Qualifiers:

Organic Qualifiers		Inorganic Qualifiers	
A	TIC is a possible aldol-condensation product	**B**	Value is <CRDL, but ≥IDL
B	Analyte was also detected in the blank	**E**	Estimated due to interference
C	Pesticide result confirmed by GC/MS	**M**	Duplicate injection precision not met
D	Compound quantitated on a diluted sample	**N**	Spike sample not within control limits
E	Concentration exceeds the calibration range of the instrument	**S**	Method of standard additions (MSA) used for calculation
N	Presumptive evidence of a compound (TICs only)	**U**	Compound was not detected
P	Concentration difference between primary and confirmation columns >25%	**W**	Post digestion spike out of control limits
U	Compound was not detected	*****	Duplicate analysis not within control limits
X,Y,Z	Defined in case narrative	**+**	Correlation coefficient for MSA <0.995

Analytical test results meet all requirements of NELAC unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

Times are local to the area of activity. Parameters listed in the 40 CFR part 136 Table II as “analyze immediately” are not performed within 15 minutes.

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