Mark Horne
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May 15, 2015

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

RE: Response to ACEH April 6, 2015 Correspondence
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 correspondence is/are true and correct.

If you have any questions or need additional information, please contact me at (925) 790-3964.

Sincerely,

Mark E. Horne

Mark Horne
Chevron Environmental Management Company – Project Manager

Attachment
Response to ACEH April 6, 2015 Correspondence

ARCADIS U.S., Inc.
100 Smith Ranch Road
Suite 329
San Rafael
California 94903
Tel 415.491.4530
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ENVIRONMENT

Mark E. Detterman, PG, CEG
Senior Hazardous Materials Specialist
Alameda County Health Care Services
Environmental Protection
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502

Subject:
Response to ACEH April 6, 2015 Correspondence
Former Chevron Asphalt Batch Plant and Bulk Terminal #20-6265
1520 Powell Street
Emeryville, California
Case Number: RO0002535

Date:
May 15, 2015

Contact:
Justin Sobieraj

Phone:
415.491.4530 x24

Email:
Justin.Sobieraj@arcadis-us.com

Our ref:
B004625.0007

Dear Mr. Detterman:

On behalf of Chevron Environmental Management Company ("CEMC"), ARCADIS U.S., Inc. ("ARCADIS") has prepared this response to the Alameda County Environmental Health ("ACEH") correspondence dated April 6, 2015. The correspondence contained a request for additional information and proposed site investigation activities related to the former Chevron Asphalt Batch Plant and Bulk Terminal #20-6265 (the "Site").

ACEH comments contained in the April 6, 2015 correspondence are presented below in italicized text, with the responses provided in plain text.

Comment 1:

Request for Vapor Work Plan Addendum *– As briefly stated above, and as stated in previous directive letters, there is not sufficient data to support the position that no residual soil or groundwater contamination is present on the site. Shallow soil data exists in the vicinity of soil bore SB-42 where 15 milligrams per kilogram (mg/kg) of TCE was detected at a depth of four to five feet below grade surface (bgs) in the landscape strip west of the footprint of the existing building. This sample also reported 1.7 mg/kg trans-1,2-DCE, 1,200 mg/kg Total Petroleum Hydrocarbons as gasoline (TPHg), and 92,000 mg/kg Oil & Grease in 1990. Soil was not profiled vertically beneath this detection at the time. Arcadis reports that the soil was excavated; however, this does not appear probable based on the location of the soil bore, and confirmatory data is lacking (Additionally, see the "Incomplete List of Requested Documents" Technical Comment 3*

below).

Additional source may also be present vertically beneath the Loading Dock and Lab Office TCE excavations, from which bottom confirmation soil samples were collected at a depth of 6 feet bgs and reported TCE concentrations up to 3.4 milligrams per kilogram were detected. ACEH appreciates that soil was subsequently removed to an approximate depth of 10 feet across the site, and to 15 feet bgs in the vicinity of the three elevator sumps; however, final confirmation samples do not appear to have been collected, and the vertical migration of TCE beneath these depths is not an atypical behavior. As noted previously one of the elevator sumps is in the vicinity of these excavations.

ACEH is in general agreement with the proposed scope of work for vapor sampling and building survey; however, is concerned that complications may arise in interpreting the results collected in the elevator sumps due to VOC's derived from consumer products at the site either from garage storage sources, transition through the garage, or in the residential floors above the garage at the site, or from contributions to ambient air samples from upwind on- or off-site sources. Therefore to augment the proposed in garage vapor sampling, and to reduce the potential that the data may not be easily interpreted due to these building survey or ambient air complications, ACEH additionally requests the installation of a minimum of two permanent soil vapor wells at, and in the vicinity of, the presumed location of soil bore SB-42. This will additionally address the potential for onsite soil sources of TCE outside of the building envelope and will produce multiple lines of evidence in order to determine the threat of vapor intrusion to the residential units at the site. Consequently, ACEH requests that a work plan addendum be submitted to incorporate this scope of work by the date identified below.

Please ensure that your strategy is consistent with the field sampling protocols described in the Department of Toxic Substances Control's Final Vapor Intrusion Guidance (October 2011). Consistent with the guidance, ACEH requires installation of permanent vapor wells to assess temporal and seasonal variations in soil gas concentrations. This DTSC guidance additionally indicates that a 24-hour sampling duration for residential structures is appropriate to capture diurnal changes. The proposed 8-hour should also be concurrently collected.

Response**:**

ARCADIS appreciates ACEH's comment the regarding the need for multiple lines of evidence when interpreting whether a threat of vapor intrusion to the residential units exist at the site. However, regarding the installation of permanent soil vapor wells in the vicinity of the presumed location of soil boring SB-42, ARCADIS would like clarification from ACEH regarding how the subsurface soil vapor analytical results will be used to determine if outdoor subsurface soil vapors are migrating into the residential units starting approximately 30 feet above ground surface.

ARCADIS understands the Department of Toxic Substances Control's *Final Vapor Intrusion Guidance* indicates that a 24-hour sampling duration for residential structures is appropriate to capture diurnal changes. However, the vapor samples which will be collected from the elevator sumps and garage area are should not be technically considered indoor air sample as mentioned in the DTSC VI guidance document. The open air location of the sumps and garage areas are not similar to the typical residential structure layout which contains HVAC systems and doors/windows which are open/in operation only during certain periods of the day. The proposed 8-hr sump air sampling method will be more conservative sampling approach due to the more frequent usage of the elevator during the morning and afternoon hours. Additionally, there is concern about the lack of site security in regards to leaving sampling equipment in the garage and outside ambient sampling locations for a period of 24-hours.

Comment 2:

Request for Data Gap Investigation Work Plan *– As noted above, ACEH is not in agreement that sufficient evidence is available to indicate no residual soil or groundwater contamination remains beneath site, and is not migrating off the site in groundwater. Injection of Emulsified Vegetable Oil (EVO) beneath Powell Street by the City of Emeryville has resulted in substantially reduced groundwater PCE and TCE concentrations in the shallow and deep Upper CGU beneath Powell Street but did not target shallower soil sources, or a residual contamination source on the subject site. The lack of available soil analytical data on the Envirostor website for the East Powell Street area may indicate that a soil source beneath Powell Street was not considered to be of concern.*

The EVO injection also did not target groundwater contamination in the Lower CGU beneath Powell Street. At present there is limited and somewhat ambiguous groundwater analytical data for the Lower CGU beneath Powell Street, and it is predominately TCE and cis-1,2-DCE rather than PCE.

The lateral extent of groundwater contamination west of EPW02 in the shallow and deep Upper CGU and in the Lower CGU is also not defined, and remains undefined to the southwest of the subject site (west of the East Powell Street area). Finally onsite delineation of soil contamination associated with these zones (shallow and deep Upper CGU and the Lower CGU) has not been undertaken to support the statement that no residual source of contamination remains on the subject site.

Additionally, as previously noted, Chevron wells are not capable of detecting VOC contamination on the subject site in the shallow and deep Upper CGU and in the Lower CGU. Therefore, it is also appropriate to install wells on the former Chevron site for this purpose.

Response:

A recent work plan submittal by Erler & Kalinowski, Inc. (EKI; work plan[1]), the environmental consultant for the City of Emeryville investigating the adjacent Powell Street Site, proposes to advance seven co-located cone penetrometer testing (CPT) and membrane interface probe (MIP) testing borings (PCPT5 through PCPT7, PCPT11, PCPT12, PCPT14, and OSN1) to a target depth of 75 feet below ground surface (bgs) adjacent (cross- and down-gradient) to the Site. Additionally, the work plan proposes to collect multiple grab groundwater samples from proposed boring OSN1 in the Upper and Lower CGU. Proposed borings PCPT5 through PCPT7 are located west of monitoring wells EPW02, EPW01, and EPW04. Proposed borings PCPT12, PCPT14, and OSN1 are located southwest of the Site. The CPT, MIP, and analytical results from these borings will be important to understand the extent of VOC contamination in the shallow and deep Upper CGU and in the Lower CGU at the Powell Street Site. Additionally, these results can be used to determine if a residual source of contamination is being contributed from the Site to the Powell Street Site and if further onsite Upper CGU and Lower CGU investigation activities are warranted. ARCADIS respectfully requests from ACEH that the results from the proposed offsite investigation are reviewed prior to further soil and/or groundwater investigation activities are performed at the Site.

Comment 3:

Incomplete List of Requested Documents *– As noted in the previous directive letters, a February 18, 2000 directive letter from ACEH requested the submittal of a Risk Management Plan prior to site development, and a post-construction report. An itemized list of applicable content for both reports was provided. Neither report has been submitted. Disposal documentation for exported soil and groundwater extraction (construction dewatering) was to have been included in the later report. Only a copy of an EBMUD discharge permit has been provided.*

Thank you for requesting these documents from the Wareham Development Corporation. Because these documents contain information of important relevance to the site, ACEH will continue to seek their submittal. Therefore, ACEH requests further efforts to obtain these documents.

Additional reports have also been noted to be lacking from the public record, and are cited in the bibliography of the SCM / RFC report. Thank you for locating several of the documents; however, ACEH will continue to seek the submittal of the following reports

[1] EKI. 2015. Final Work Plan for Additional Groundwater Investigation, Site B Project Area, Emeryville, California. March

and any other missing reports or communications that should be a part of the public record. At present these include the following:

• McKesson Environmental Services Report – Documents the installation of wells MW-1 to MW-9 in 1985; only bore logs have been provided.

• Harding Lawson Report – August 1988 report documents the installation of wells MW-10 to MW- 12; only the bore logs have been provided.

Response:

ARCADIS and Chevron will continue their efforts to locate these documents and will provide them to ACEH if obtained.

Comment 4:

***Groundwater Monitoring** – Groundwater monitoring has not occurred at the subject site since December 2012. The DTSC has stated that additional groundwater monitoring by the City of Emeryville does not appear to be warranted for the shallow and deep Upper CGU in the area of injections; however, existing Chevron wells monitor a shallower water zone, and the Lower CGU has not been monitored for chemical trends. Thus, it appears appropriate to resume groundwater monitoring at the site from existing wells.*

In the event of the resumption of groundwater monitoring by the City of Emeryville, it would appear to be appropriate to coordinate groundwater monitoring and sampling events. This would provide a more comprehensive understanding of site vicinity groundwater concentrations. Because the subject site has not been monitored or sampled in over two years, please submit semi-annual groundwater monitoring reports by the dates requested below.

Response:

In response to the ACEH request for the resumption of groundwater monitoring at the Site, ARCADIS agrees with the request to resume sampling during the second quarter of 2015. Analysis of historical groundwater VOC concentrations in the Site monitoring well network indicate that an optimization of the Site groundwater monitoring program is warranted at this time (well locations and historical data is included as Attachment A and B, respectively). ARCADIS requests ACEH for a modification to the groundwater monitoring program, as detailed in the following table:

Proposed Groundwater Monitoring Program Optimization Table

Monitoring Well ID	Current Monitoring Frequency	Proposed Monitoring Frequency	Comments
MWX-2	Semi-annually	Semi-annually	Currently delineates cross-gradient extent of VOC plume
MWX-3	Semi-annually	Semi-annually	Offsite well cross-gradient from former 'Loading Dock' and 'Lab Office'
MWX-6	Semi-annually	Semi-annually	Currently delineates down-gradient extent of VOC plume
MWX-8	Semi-annually	Semi-annually	Currently delineates down-gradient extent of VOC plume
MWX-9	Semi-annually	Discontinue	Close proximity to MWX-6 and MWX-8; additional groundwater data at this location is not of value
MWX-10A	Semi-annually	Semi-annually	Onsite well down-gradient from former 'Loading Dock' and 'Lab Office'
MWX-11A	Semi-annually	Semi-annually	Onsite well down-gradient from former 'Loading Dock' and 'Lab Office'
MW-18	Semi-annually	Discontinue	Close proximity to MWX-3; additional groundwater data at this location is not of value
MW-19A	Semi-annually	Discontinue	Close proximity to MWX-8 and MWX-2; additional groundwater data at this location is not of value

In an effort to implement the resumption of groundwater monitoring and sampling during the second quarter of 2015, please let us know if you accept this proposed modification to the groundwater monitoring program as soon as possible.

If you have any questions concerning this response correspondence, please contact me at (415) 491-4530 x24 or by e-mail at Justin.Sobieraj@arcadis-us.com.

Sincerely,

Justin Sobieraj, PG
Senior Geologist

Attachments
Attachment A – Detected Chlorinated Volatile Organic Compounds in Groundwater
Attachment B – Historical Groundwater Monitoring Data and Analytical Results

Copies:
Alexis Coulter, CEMC
Geoffrey Sears, Wareham Development Corporation
Juanita Bacey, Department of Toxic Substances Control (DTSC)
Karen Toth, DTSC
Dilan Roe, ACEH (sent via electronic mail)
File

ARCADIS

Attachment A

Detected Chlorinated Volatile Organic Compounds in Groundwater

WELL ID	Criteria		MWX-9				
DATE	*MCL*	*ESL*	6/24/2009	5/20/2010	10/26/2010	6/9/2011	11/30/2011
PCE	5.0	5.0	9	7	5 [6]	5 [10]	3
TCE	5.0	5.0	17	20	18 [18]	21 [21]	13
t-1,2-DCE	10	10	1	1	1 [1]	1 [<1]	0.9
c-1,2-DCE	6.0	6.0	37	8	21 [26]	7 [13]	6
VC	0.5	0.5	3	<1	<1	<1	<1

WELL ID	Criteria		MWX-11A				
DATE	*MCL*	*ESL*	6/24/2009	5/20/2010	10/28/2010	6/10/2011	11/30/2011
TCE	5.0	5.0	3	3	4	11	4
t-1,2-DCE	10	10	<0.8	0.9	<0.8	4	1
c-1,2-DCE	6.0	6.0	2	2	2	8	5
1,1,1-TCA	200	62	<0.8	<0.8	1	<0.8	<0.8

WELL ID	Criteria		MWX-8				
DATE	*MCL*	*ESL*	6/24/2009	5/18/2010	10/26/2010	6/8/2011	12/2/2011
PCE	5.0	5.0	260	260	290	280	240
TCE	5.0	5.0	64	67	170	49	78
t-1,2-DCE	10	10	3	3	5	4	4
c-1,2-DCE	6.0	6.0	84	91	230	100	120
VC	0.5	0.5	6	6	19	1	3

WELL ID	Criteria		MWX-10A				
DATE	*MCL*	*ESL*	6/24/2009	5/20/2010	10/28/2010	6/10/2011	12/1/2011
TCE	5.0	5.0	17	6	14	5	6
c-1,2-DCE	6.0	6.0	2	3	4	3	5

WELL ID	Criteria		MWX-3				
DATE	*MCL*	*ESL*	6/24/2009	5/19/2010	10/27/2010	6/7/2011	12/2/2011
TCE	5.0	5.0	2,100	490	330	430	630
1,1-DCE	6.0	6.0	2	<0.8	<0.8	<0.8	1
t-1,2-DCE	10	10	22	10	8	14	12
c-1,2-DCE	6.0	6.0	670	480	500	630	430
1,1-DCA	5.0	5.0	3	<1	<1	<1	1
VC	0.5	0.5	24	12	5	8	13
CF	70	70	<2	<0.8	1	<0.8	<0.8

WELL ID	Criteria		MWX-2				
DATE	*MCL*	*ESL*	6/24/2009	5/19/2010	10/27/2010	6/9/2011	12/2/2011
PCE	5.0	5.0	23 [23]	130	760	310	480 [510]
TCE	5.0	5.0	69 [60]	43	48	30	45 [44]
1,1-DCE	6.0	6.0	<0.8 [<0.8]	0.9	<0.8	<0.8	<0.8 [<0.8]
t-1,2-DCE	10	10	3 [4]	5	2	2	2 [3]
c-1,2-DCE	6.0	6.0	91 [91]	230	150	130	130 [140]
VC	0.5	0.5	6 [17]	62	*<1*	8	3 [3]

WELL ID	Criteria		MWX-18						
DATE	*MCL*	*ESL*	4/30/2009	6/24/2009	10/27/2009	5/18/2010	10/27/2010	6/7/2011	12/2/2011
PCE	5.0	5.0	6	6	7	7	7	7	6
TCE	5.0	5.0	7	8	6	16	10	28	12
t-1,2-DCE	10	10	<0.8	<0.8	<0.8	<0.8	<0.8	1	<0.8
c-1,2-DCE	6.0	6.0	1	1	1	1	<0.8	2	<0.8

WELL ID	Criteria		MWX-19A						
DATE	*MCL*	*ESL*	4/30/2009	6/24/2009	10/27/2009	5/19/2010	10/27/2010	6/8/2011	11/30/2011
PCE	5.0	5.0	390	310	490	400	360	290	340
TCE	5.0	5.0	43	42	57	54	45	26	56
t-1,2-DCE	10	10	2	2	4	4	4	3	4
c-1,2-DCE	6.0	6.0	17	13	42	100	110	54	89
VC	0.5	0.5	*<1*	*<1*	*<1*	2	2	*<1*	1

WELL ID	Criteria		MWX-17						
DATE	*MCL*	*ESL*	4/30/2009	6/24/2009	10/27/2009	5/19/2010	10/28/2010	6/9/2011	12/1/2011
PCE	5.0	5.0	5	4	6	5 [5]	5	5	5
TCE	5.0	5.0	7	8	7	7 [6]	8	7	8
c-1,2-DCE	6.0	6.0	2	2	1	1 [1]	1	1	1

WELL ID	Criteria		MWX-6				
DATE	*MCL*	*ESL*	6/24/2009	5/19/2010	10/27/2010	6/7/2011	12/2/2011
c-1,2-DCE	6.0	6.0	1	2	2	1	1

1520 POWELL STREET

1519 POWELL STREET

1475 POWELL STREET

1525 POWELL STREET

POWELL STREET OVE...

MWX-11A
MWX-10A
MWX-3
MWX-8
MW-17
MW-18
MW-19A
MWX-9
MWX-6
MWX-2

LOADING DOCK

SLAB

Property Boundary

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
- - GROUNDWATER FLOW DIRECTION

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 CHLORINATED VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

ARCADIS

FIGURE 12

ARCADIS ARCADIS

Attachment B

Historical Groundwater Monitoring Data and Analytical Results

ATTACHMENT 3
HISTORICAL GROUNDWATER MONITORING DATA AND 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-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 3
HISTORICAL GROUNDWATER MONITORING DATA AND 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-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 3
HISTORICAL GROUNDWATER MONITORING DATA AND 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 3
HISTORICAL GROUNDWATER MONITORING DATA AND 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 3
HISTORICAL GROUNDWATER MONITORING DATA AND 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 3
HISTORICAL GROUNDWATER MONITORING DATA AND 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 3
HISTORICAL GROUNDWATER MONITORING DATA AND 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 3
HISTORICAL GROUNDWATER MONITORING DATA AND 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 3
HISTORICAL GROUNDWATER MONITORING DATA AND 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)
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 3
HISTORICAL GROUNDWATER MONITORING DATA AND 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 3
HISTORICAL GROUNDWATER MONITORING DATA AND 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 3
HISTORICAL GROUNDWATER MONITORING DATA AND 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 3
HISTORICAL GROUNDWATER MONITORING DATA AND 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 3
HISTORICAL GROUNDWATER MONITORING DATA AND 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)
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 3
HISTORICAL GROUNDWATER MONITORING DATA AND 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

ATTACHMENT 3
HISTORICAL GROUNDWATER MONITORING DATA AND 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)	Alkalinity (<4.5) (µg/L)	Alkalinity (<8.3) (µg/L)	Bicarbonate Alkalinity (µg/L)	Sulfide (µg/L)	Iron (µg/L)	Manganese (µg/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 3
HISTORICAL GROUNDWATER MONITORING DATA AND 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)	Alkalinity (<4.5) (µg/L)	Alkalinity (<8.3) (µg/L)	Bicarbonate Alkalinity (µg/L)	Sulfide (µg/L)	Iron (µg/L)	Manganese (µg/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	--	--	--	--	--	--	--	--	--	--	--	--
6/24/2009	--	--	--	--	--	--	--	--	--	--	--	--

ATTACHMENT 3
HISTORICAL GROUNDWATER MONITORING DATA AND 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)	Alkalinity (<4.5) (µg/L)	Alkalinity (<8.3) (µg/L)	Bicarbonate Alkalinity (µg/L)	Sulfide (µg/L)	Iron (µg/L)	Manganese (µg/L)
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