



Alexis Fischer
Project Manager
Marketing Business Unit

**Chevron Environmental
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RECEIVED

By Alameda County Environmental Health at 3:13 pm, Oct 23, 2014

September 16, 2014

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

RE: Response to ACEH October 8, 2013 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) 790-6441.

Sincerely,

A handwritten signature in blue ink that reads "Alexis Fischer".

Alexis N. Fischer
Chevron Environmental Management Company – Project Manager

Attachment

Response to ACEH October 8, 2013 Correspondence



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 October 8, 2013 Correspondence
Former Chevron Asphalt Batch Plant and Bulk Terminal #20-6265
1520 Powell Street
Emeryville, California
Case Number: RO0002535

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 October 8, 2013. The correspondence contained a request for additional information related to the former Chevron Asphalt Batch Plant and Bulk Terminal #20-6265 (the "Site") to facilitate the ACEH review of the *Conceptual Site Model and Closure Request*, dated December 14, 2012.

ACEH comments contained in the October 8, 2013 correspondence are presented below in italicized text, with the responses provided in plain text.

Comment 1:

Incomplete Set of Referenced Documents - *A complete set of site documents has not been submitted to ACEH's ftp site or to the state Geotracker database and pertinent information appears to be present in these documents. These include, but may not to be limited to, the following reports:*

- a. *Site Information for Case Closure, Former Asphalt Plant and Terminal No, 1001067, October 27, 1997, Cambria, Inc.*
- b. *Memorandum, February 27, 1989, Western Geologic Resources, Inc.*
- c. *Additional Soils Excavation Memorandum, April 24, 1990, Western Geologic Resources, Inc.*
- d. *Groundwater Monitoring Report 2009-2011, October 8, 2012, Arcadis, Inc.*

ARCADIS U.S., Inc.
100 Smith Ranch Road
Suite 329
San Rafael
California 94903
Tel 415.491.4530
Fax 415.491.4532
www.arcadis-us.com

ENVIRONMENT

Date:
September 10, 2014

Contact:
Justin Sobieraj

Phone:
415.491.4530 x24

Email:
Justin.Sobieraj@arcadis-us.com

Our ref:
B004625.0007

Imagine the result

- e. *The EDR Aerial Photo Decade Package, Environmental Data Resources, Inc., August 8, 2012*

Response:

The above-listed documents were obtained by ARCADIS and provided to ACEH via the Alameda County Environmental Health Toxics Program ("ACEHTP") ftp site on July 17, 2014.

Comment 2:

Incomplete List of Requested Documents - 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 appears to have 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.

Response:

ARCADIS submitted an email request to the site developer, Wareham Development Corporation, for the requested Risk Management Plan and post-construction report on June 26, 2014. To date, ARCADIS has not received copies of these documents from Wareham Development Corporation.

Comment 3:

As-Built Diagrams - ACEH has received a copy of the Final Permit Set for the Emerystation No. 3 redevelopment at the subject site. As-built diagrams do not appear to have been received. The recent CSM & RFC postulates that the excavation depth for Emerystation No. 3 was to a depth of 15 feet below grade surface (bgs). ACEH's calculations, inclusive of an approximate 30% fluff factor, suggest an approximate 10 foot deep excavation, which is reasonably consistent with the Final Permit Set. The submittal of as-built diagrams would resolve this issue.

Response:

ARCADIS obtained the requested as-built documents from Wareham Development Corporation on July 11, 2014. These documents were provided to ACEH via the ACEHTP ftp site on August 28, 2014.

Comment 4:

Placement of Historic Wells and Bores - Figure 7 of the referenced CSM & RFC contain a number of bores and wells locations that do not appear to be supported by available historic documents. These include the depicted locations of wells MW-1, MW-2, MW-12, and perhaps MW-13. Additionally, the location of soil bores placed along the northern and western property line does not appear to be supported by historic documentation. Along the northern property line soil bores SB-2 to SB-25, installed by Western Geologic Resources, in March 1990, appear to have been installed along the northern excavation limits in order to characterize the excavation perimeter. Additional excavation, as depicted on Figure 7, to the north of these bores does not appear to have occurred. Along the western property line, this may include soil bores SB-33 to SB-43 also installed by Western Geologic Resources, in March 1990. In particular this may be important at soil bore SB-42 which had a detectable concentration of 15 milligrams per kilogram (mg/kg) of trichloroethene (TCE) between 4 and 5 feet bgs. Soil proximal to this location does not appear to have been removed or otherwise mitigated; however, this may be related to the location of the soil bore.

Response:

The depicted locations of the above-listed historical monitoring wells and soil borings are based on previously submitted site documents and figures. Surveyed coordinates of these boring locations are not available and the above-listed monitoring wells were destroyed. The soil borings located along the western property line either were over excavated during site development or are currently located in the adjacent Southern Pacific Railroad right-of-way. The soil borings located within the railroad right-of-way ("Attachment A") have volatile organic compound and total petroleum hydrocarbon soil concentrations below the San Francisco Bay Regional Water Quality Control Board ("RWQCB") Environmental Screening Levels¹ soil direct contact screening levels for construction workers. Therefore, direct soil contact to utility/railroad workers is considered an incomplete exposure pathway.

¹ RWQCB 2013. Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater. December.

Comment 5:

Location of Elevator Shaft(s) - The Final Permit Set indicates that at least one elevator accesses each level of the parking structure, including the underground basement parking portion. To accommodate the elevator, an elevator pit extends approximately four to five feet below basement grade, and contains a sump pit for water that extends further into the subsurface. The location of the elevator(s) relative to any potential residual contamination is not known. The sump pit may provide an opportunity to collect a groundwater sample beneath the existing structure.

Response:

ARCADIS and CEMC performed a visit to the Site on June 10, 2014, to assess the construction of the current Site facility. During the visit, two elevator shafts were identified that extended into the above residential units. A third elevator shaft was identified that extended into an open courtyard located on the fourth floor of the site facility. Additionally, ARCADIS reviewed the current site facility construction diagrams and determined that each elevator shaft contains a sump pit to collect potential surface drainage water or any subsurface groundwater seepage. ARCADIS contacted Wareham Development Corporation to determine the status of the sump pits and if they were accessible for water sample collection. Wareham Development Corporation has indicated that, due to the presence of a building subsurface waterproof membrane (as shown on the as-built documents, which were provided to ACEH via the ACEHTP ftp site on August 28, 2014), the sump pits have been dry for at least 4 years. The sump pits are currently inspected on a monthly basis by Otis Elevator Company for the presence of water or hydraulic fluids. Due to the lack of water in the sump pits, ARCADIS will not be able to collect a water sample for analysis.

Comment 6:

Risk of Vapor Intrusion - Because the location of elevator shaft(s) and the location of potential residual contamination (e.g. SB-42) are not presently identified, the risk of vapor intrusion to the residential portion of the structure is not known. Additional residual contamination may also be present beneath other known TCE source removal areas within the former "Office and Lab Area" of the site. The extent the elevator shaft(s) function as preferential pathways for vapor intrusion has not been addressed. While high capacity fans are reported to be linked to a carbon monoxide detector in the basement, the linkage of the carbon monoxide detector with respect to the mitigation of potential chlorinated solvent vapor intrusion has not been established.

Response:

Due to the presence of a building subsurface waterproof membrane and the lack of subsurface groundwater seepage into the elevator sump pits, the indoor air vapor migration exposure pathway is considered incomplete.

Comment 7:

Source of PCE Contamination - *The subject site principally appears to be a TCE release site based on historic analytical data, whereas the Powell Street Release Area and Site B appear to include tetrachlorethene (PCE). Historic waste manifests or inventory data for the office and laboratory where the onsite solvent release appears to have been sourced may more firmly establish this.*

Response:

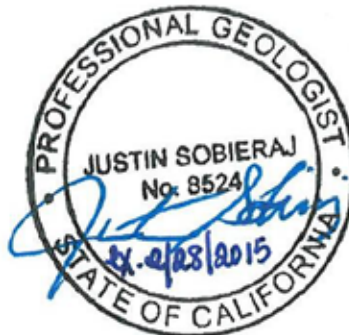
ARCADIS has been unable to locate the requested historical waste manifests or inventory data related to the former office and laboratory area. As discussed during the July 18, 2014 meeting attended by representatives from ACEH, CEMC, and ARCADIS, tetrachloroethene (PCE) concentrations have historically not been detected in groundwater samples collected from monitoring wells (MWX-3, MWX-10A, and MWX-11A) located immediately downgradient and cross gradient from the Site (Attachments B and C). Concentrations of PCE were detected in groundwater samples collected from monitoring wells located within the Powell Street Release Area and Site B. These wells are downgradient or cross gradient from the Site monitoring wells, which indicates a PCE source offsite. The lack of PCE groundwater detections from the Site monitoring wells indicates that the source of PCE is offsite, either downgradient or cross gradient.

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

Sincerely,

ARCADIS U.S., Inc.

Justin Sobieraj, PG
Senior Geologist



Attachments

Attachment A – Volatile Organic Compounds in Soil

Attachment B – Detected Chlorinated Volatile Organic Compounds in Groundwater

Attachment C – Historical Groundwater Monitoring Data and Analytical Results

Copies:

Alexis Fischer, CEMC

Juanita Bacey, Department of Toxic Substances Control (DTSC)

Karen Toth, DTSC

Dilan Roe, ACEH (sent via electronic mail)

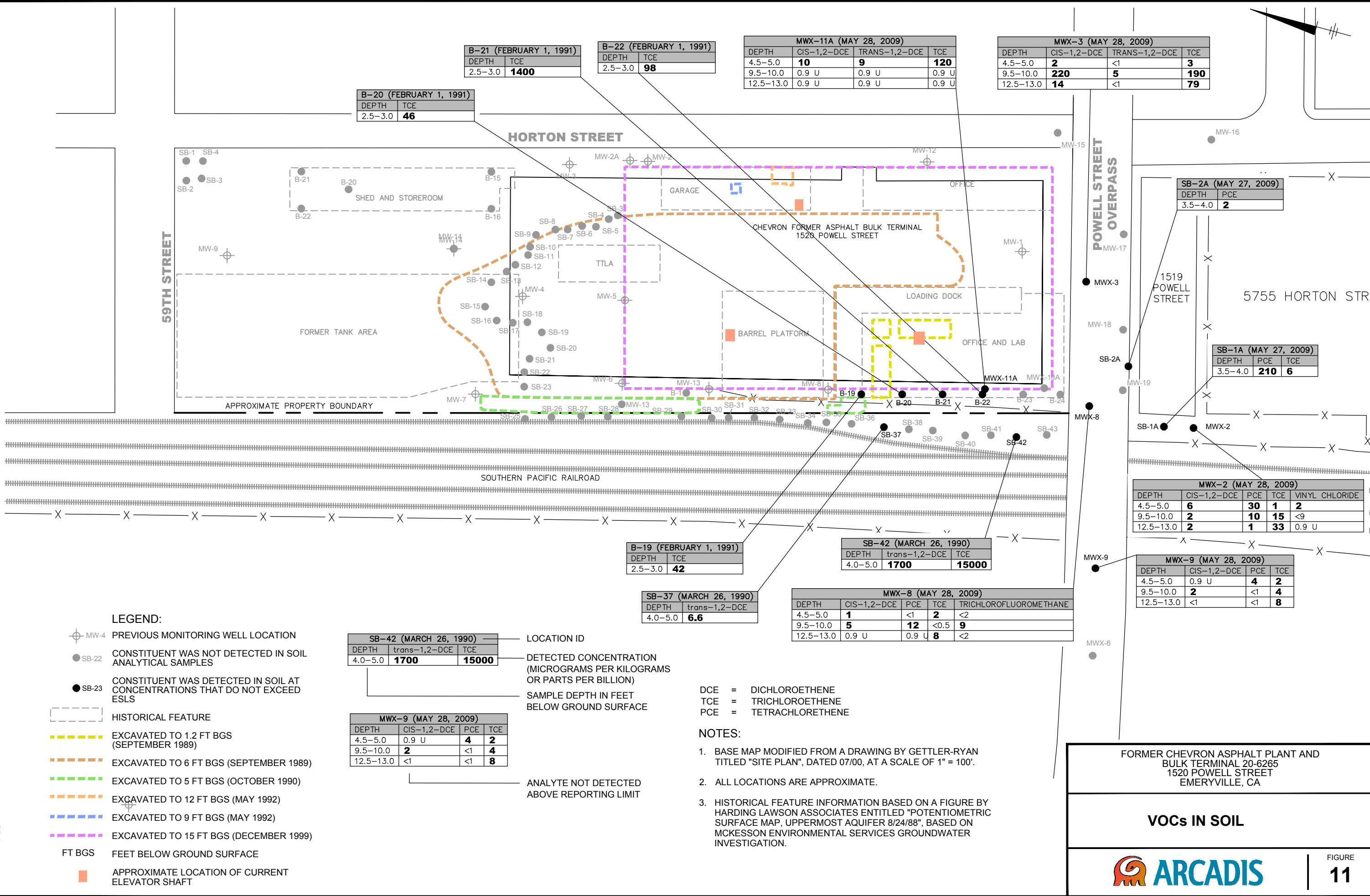
File

ARCADIS

Attachment A

Volatile Organic Compounds in
Soil

CITY: Syracuse GROUP: IND/CAD DB: P. LISTER, R. ROBITAILLE PIC: PM: J. SOBIERAJ, TM: K. LIM, RB: ATAN LVR: ON=OFF=REF*
 G:\ENV\CAD\SYRACUSE\ACT\18046257\0006\0001\DWG\46257C09.dwg LAYOUT: 11 SAVED: 7/17/2014 5:56 PM ACADVER: 18.1S (LMS TECH) PAGES: 11 PAGES SETUP: -- PLOTSTYLETABLE: PLT\FULL.CTB PLOTTED: 7/17/2014 5:58 PM BY: PETRIE, RICH
 PROJECTNAME: --
 XREFS: IMAGES: rfp1.jpg 46257X02



LEGEND:

- PREVIOUS MONITORING WELL LOCATION
- CONSTITUENT WAS NOT DETECTED IN SOIL ANALYTICAL SAMPLES
- CONSTITUENT WAS DETECTED IN SOIL AT CONCENTRATIONS THAT DO NOT EXCEED ESLS
- HISTORICAL FEATURE
- EXCAVATED TO 1.2 FT BGS (SEPTEMBER 1989)
- EXCAVATED TO 6 FT BGS (SEPTEMBER 1989)
- EXCAVATED TO 5 FT BGS (OCTOBER 1990)
- EXCAVATED TO 12 FT BGS (MAY 1992)
- EXCAVATED TO 9 FT BGS (MAY 1992)
- EXCAVATED TO 15 FT BGS (DECEMBER 1999)
- FT BGS** FEET BELOW GROUND SURFACE
- APPROXIMATE LOCATION OF CURRENT ELEVATOR SHAFT

SB-42 (MARCH 26, 1990)

DEPTH	trans-1,2-DCE	TCE
4.0-5.0	1700	15000

MWX-9 (MAY 28, 2009)

DEPTH	CIS-1,2-DCE	PCE	TCE
4.5-5.0	0.9 U	4	2
9.5-10.0	2	<1	4
12.5-13.0	<1	<1	8

LOCATION ID

DETECTED CONCENTRATION (MICROGRAMS PER KILOGRAMS OR PARTS PER BILLION)

SAMPLE DEPTH IN FEET BELOW GROUND SURFACE

ANALYTE NOT DETECTED ABOVE REPORTING LIMIT

DCE = DICHLOROETHENE
 TCE = TRICHLOROETHENE
 PCE = TETRACHLOROETHENE

NOTES:

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

FORMER CHEVRON ASPHALT PLANT AND BULK TERMINAL 20-6265
1520 POWELL STREET
EMERYVILLE, CA

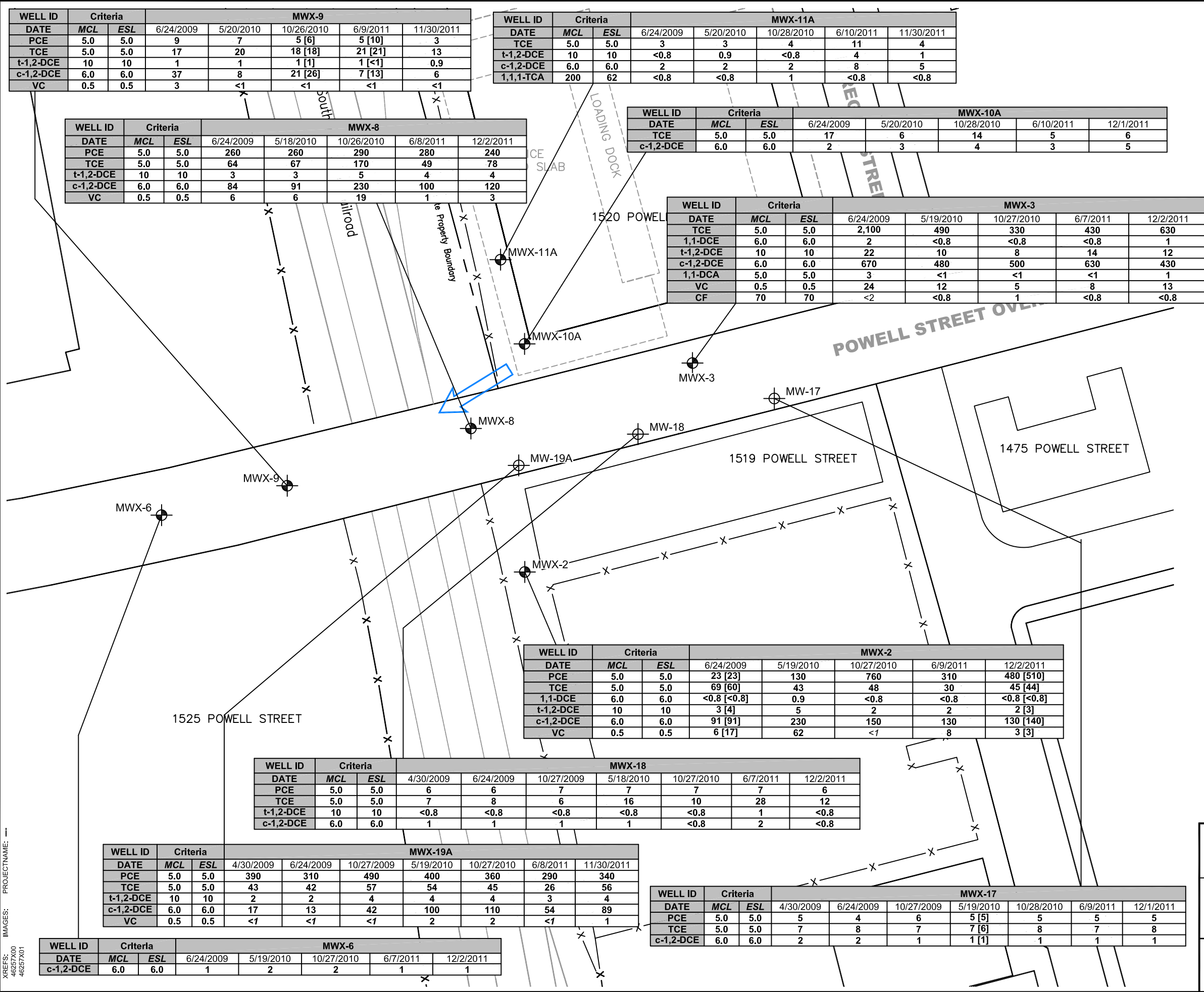
VOCs IN SOIL

FIGURE
11

Attachment B

Detected Chlorinated
Volatile Organic Compounds
in Groundwater

CITY: Syracuse GROUP: EnvCAD DB: R.Petrie L.Fraker, A.Schilling PIC: M.Fleischer PM: M.Blanchette TM: M.Blanchette LYR: ON* OFF=REF
 C:\Users\jhanis\Desktop\ENVCAD\B046257000500200\2009-2011 GWMF\DWG\46257003.dwg LAYOUT: 12_SAVED: 9/10/2012 8:18 PM ACADVER: 18.1 S (LMS TECH) PAGESETUP: SETUP1 PLOTSTYLETABLE: ARCADIS.CTB PLOTTED: 9/10/2012 8:35 PM BY: HARRIS, JESSICA
 XREFS: 46257X00 46257X01
 IMAGES: PROJECTNAME:



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-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

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

- 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:**
- BASE MAP MODIFIED FROM A DRAWING BY GETTLER-RYAN TITLED "SITE PLAN", DATED 07/00, @ A SCALE OF 1" = 100'.
 - ALL LOCATIONS ARE APPROXIMATE.
 - 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.
 - CONCENTRATIONS ARE IN MICROGRAMS PER LITER (µg/L).



FORMER CHEVRON ASPHALT TERMINAL 206265
1520 POWELL STREET
EMERYVILLE, CA

DETECTED CHLORINATED VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

ARCADIS

FIGURE
12

ARCADIS

Attachment C

Historical Groundwater 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

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

ATTACHMENT 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	--	<0.8	<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-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	<1.0	<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 ¹	--	<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	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	

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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	<1.0	<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**

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

**ATTACHMENT 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	<1.0	<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	1,1-DCE = 1,1-Dichloroethene	PCE = Tetrachloroethene
B = Benzene	1,2-DCE = 1,2-Dichloroethene	CF = Chloroform
T = Toluene	t-1,2-DCE = trans-1,2-Dichloroethene	VC = Vinyl Chloride
E = Ethylbenzene	c-1,2-DCE = cis-1,2-Dichloroethene	HVOCs = Halogenated Volatile Organic Compounds
X = Xylenes	1,1-DCA = 1,1-Dichloroethane	(ppb) = Parts per billion
MTBE = Methyl Tertiary Butyl Ether	1,1,1-TCA = 1,1,1-Trichloroethane	-- = Not Measured/Not Analyzed
TOG = Total Oil and Grease	TCE = Trichloroethene	ND = Not Detected
QA = Quality Assurance/Trip Blank		
(mg/L) = milligrams per liter		
(µg/L) = micrograms per liter		

- 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 ethene 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 nitrogen 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