



## PORT OF OAKLAND

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By Alameda County Environmental Health at 2:38 pm, May 12, 2014

9 May 2014

Mr. Keith Nowell  
Alameda County Health Care Services Agency  
Department of Environmental Health  
1131 Harbor Bay Parkway, Suite 250  
Alameda, CA 94502-6577

**Subject: Transmittal of Technical Memorandum Requested by the Alameda County Health Care Services Agency, Department of Environmental Health on the Oakland Maintenance Center Site, 1100 Airport Drive Oakland, California (Site#: RO00000414 – MOIA, United Airlines)**

Dear Mr. Nowell:

Please find attached the above-referenced technical memorandum prepared by BASELINE Environmental Consulting providing information requested by the Alameda County Environmental Health Care Services Agency, Department of Environmental Health related to the Oakland Maintenance Center Site.

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

Please feel free to contact me at the Port of Oakland at (510) 627-1184 if you have any questions.

Sincerely,

Douglas Herman  
Environmental Scientist  
Port of Oakland

## TECHNICAL MEMORANDUM

**Date:** 9 May 2014 **Job No.:** 12315-20.2198

**To:** Keith Nowell and Dilan Roe, Alameda County Health Care Agency, Department of Environmental Health

**From:** Lydia Huang, P.E. No. 43995

**Subject:** **Technical Memorandum Requested by the Alameda County Health Care Services Agency, Department of Environmental Health on the Oakland Maintenance Center Site, Oakland, California (Toxic Leaks Case RO0000414)**

On behalf of the Port of Oakland ("Port"), BASELINE submitted a Technical Memorandum dated 7 February 2014 ("February 2014 Technical Memorandum") which responded to information requested by the Alameda County Health Agency, Department of Environmental Health ("DEH") during a meeting between the Port and DEH held on 25 October 2013. The purpose of the meeting was to discuss the Port's No Further Action request for the entire Oakland Maintenance Center ("OMC") Site.<sup>1</sup> After review of the February 2014 Technical Memorandum, DEH staffed requested revisions to a subset of the tables in an email dated 23 April 2014. The email directed the Port to revise the Tier 2 groundwater screening tables included in Appendix E of the February 2014 Technical Memorandum to use Area of Concern ("AOC") - specific dilution attenuation factors ("DAF") for potential ecological receptors, rather than using the same DAF for all the AOCs at the OMC Site. This memorandum provides the requested revised tables.

In a 2004 report, a consultant for United Airlines (former tenant at the OMC) identified 19 AOCs. The approximate distance of each AOC to the nearest storm water drainage ditch, located along both the north and east sides of the OMC Site, is listed in Table 1. The relationship between the DAF and the distance to potential ecological receptors, assumed to be potentially present in the drainages, developed for the San Francisco International Airport was the distance in feet divided by 100. Using this relationship, the DAF for each AOC is also listed in Table 1. Some AOCs, or portions of AOCs, intercept or are adjacent to a drainage ditch and the DAF assigned to these AOCs was 1.

In the February 2014 Technical Memorandum, Tier 2 groundwater screening where DAFs were applied for potential ecological receptors were presented in Table E-4b for total petroleum hydrocarbons ("TPH"), Table E-5b for volatile organic compounds ("VOCs"), and Table E-6b for metals. These tables have been revised to use AOC-specific DAFs for Tier 2 groundwater screening for potential ecological receptors. Base Tier 2 screening values for groundwater for

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<sup>1</sup> No Further Action was requested in the report titled *Final Report, Closure Documentation for the Former Oakland Maintenance Center (OMC), Oakland International Airport, 1100 Airport Drive, Oakland, California*, prepared by URS Corporation and dated 31 October, 2012.

Memorandum  
9 May 2014  
Page 2

potential ecological receptors were chosen as the estuarine values in Table F-4a, Summary of Selected Aquatic Habitat Goals, in the compilation *Screening for Environmental Concerns at Sites With Contaminated Soil and Groundwater*, issued by the San Francisco Bay Regional Water Quality Control Board (“RWQCB”), updated December 2013. The screening values for each AOC was calculated by multiplying the base screening values from Table F-4a by the AOC-specific DAF.

The revised Tier 2 groundwater screening results presented in the enclosed Revised Tables E-4b, E-5b, and E-6b using AOC-specific DAFs were not substantially different from the results presented in the original tables included in the February 2014 Technical Memorandum using a single DAF of 7 for all the AOCs. The original Tier 1 groundwater screening tables from the February 2014 Technical Memorandum are also enclosed for easier reference.

ENCLOSURES:

Table 1: Distance of Areas of Concern to Nearest Storm Water Drainage

Table E-4a: Post-2002 Data Set – Groundwater Results – TPH – Tier 1 (from February 2014 Technical Memorandum)

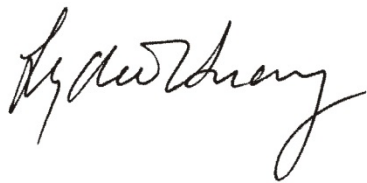
Revised Table E-4b: Post-2002 Data Set – Groundwater Results – TPH – Tier 2

Table E-5a: Post-2002 Data Set – Groundwater Results – VOCs – Tier 1 (from February 2014 Technical Memorandum)

Revised Table E-5b: Post-2002 Data Set – Groundwater Results – VOCs – Tier 2

Table E-6a: Post-2002 Data Set – Groundwater Results – Metals – Tier 1 (from February 2014 Technical Memorandum)

Revised Table E-6b: Post-2002 Data Set – Groundwater Results – Metals – Tier 2

A handwritten signature in black ink, appearing to read 'Lydia Huang', is written over a horizontal line.

Lydia Huang

**TABLE 1: DISTANCE OF AREAS OF CONCERN TO NEAREST STORM WATER DRAINAGE  
Oakland Maintenance Center, Oakland International Airport**

| Area of Concern | Distance to nearest drainage channel (feet) | Dilution Attenuation Factor | Comment  |
|-----------------|---|-----------------------------|--|
| AOC1            | 660   | 6.6                         |  |
| AOC2            | 350   | 3.5                         |  |
| AOC3            | 230   | 2.3                         |  |
| AOC4            | 620   | 6.2                         |  |
| AOC5            | 600   | 6                           |  |
| AOC6            | 240   | 2.4                         |  |
| AOC7            | 420   | 4.2                         |  |
| AOC8            | 270   | 2.7                         |  |
| AOC9            | 550   | 5.5                         | AOC9 is mapped as 3 separate areas on map; area with shortest distance to drainage ditch is the same as AOC17. |
| AOC10           | 760   | 7.6                         |  |
| AOC11           | 480   | 4.8                         | AOC11 is on both east and west side of hangar; side with shortest distance to drainage ditch is east side.     |
| AOC12           | 640   | 6.4                         |  |
| AOC13           | 660   | 6.6                         |  |
| AOC14           | 0   | 1                           | AOC14 intercepts drainage ditch to the east of hangar.   |
| AOC15           | 0   | 1                           | AOC15 is next to drainage ditch to the east of hangar.   |
| AOC16           | 0   | 1                           | AOC16 is next to drainage ditch to the north of hangar.  |
| AOC17           | 550   | 5.5                         | USTs MF35/36   |
| AOC18           | 700   | 7                           |  |
| AOC19           | 0   | 1                           | AOC19 intercepts drainage ditch to the east of hangar.   |

**Notes:**

AOC = Area of concern.

AOCs are identified on Figure 3 in report titled, *Former United Airlines Oakland Maintenance Center, Site Investigation and Risk Assessment Report, Oakland International Airport*, prepared by Environmental Resources Management and dated June 2004. Distance to nearest drainage ditch is estimated using current site layout, which in some cases, is different than what was shown on Figure 3.

Dilution Attenuation Factor is the distance in feet divided by 100.

Table E-4a (URS Table 2-4a)

## Post-2002 Data Set - Groundwater Results - TPH - Tier-1

| Sample Location          | AOC | Date Sampled                   | TPH-d |     | TPH-d (sg) |    | TPH-g |   | TPH-ho |   | TPH-jf |   | TPH-mo |
|--------------------------|-----|--------------------------------|-------|-----|------------|----|-------|---|--------|---|--------|---|--------|
|                          |     | Airport Worker Tier-1 (a)      | 640   |     | 640        |    | 500   |   | 640    |   | 640    |   | 640    |
|                          |     | Construction Worker Tier-1 (a) | 640   |     | 640        |    | 500   |   | 640    |   | 640    |   | 640    |
|                          |     | Ecological Receptor Tier-1 (a) | 640   |     | 640        |    | 500   |   | 640    |   | 640    |   | 640    |
| <b>Area of Concern 1</b> |     |                                |       |     |            |    |       |   |        |   |        |   |        |
| ERM-B-1                  | 1   | 4/15/2003                      | 2300  | J   | 340        | J  | 110   | Y | NA     |   | NA     |   | NA     |
| ERM-B-2                  | 1   | 4/15/2003                      | 5500  | JY  | <560       | U  | 71    | Y | NA     |   | NA     |   | NA     |
| W-B-4                    | 1   | 4/15/2003                      | 140   | JY  | 97         | JY | <50   |   | NA     |   | NA     |   | NA     |
| W-B-5                    | 1   | 4/15/2003                      | <500  | UJY | NA         |    | <50   |   | NA     |   | NA     |   | NA     |
| W-B-6                    | 1   | 4/15/2003                      | 520   | JY  | 260        | JY | <50   |   | NA     |   | NA     |   | NA     |
| <b>Area of Concern 2</b> |     |                                |       |     |            |    |       |   |        |   |        |   |        |
| ERM-B-3                  | 2   | 4/15/2003                      | 930   | Y   | 200        | Y  | <50   |   | NA     |   | NA     |   | NA     |
| ERM-B-4                  | 2   | 4/15/2003                      | 4500  | J   | 840        | J  | <50   |   | NA     |   | NA     |   | NA     |
| ERM-B-5                  | 2   | 4/15/2003                      | 12000 | J   | 4700       | J  | <500  |   | NA     |   | NA     |   | NA     |
| ERM-B-6                  | 2   | 4/15/2003                      | 7700  | J   | 990        | J  | 1700  |   | NA     |   | NA     |   | NA     |
| ERM-B-7                  | 2   | 4/15/2003                      | 1900  | J   | 150        | J  | <50   | J | NA     |   | NA     |   | NA     |
| ERM-MW-06                | 2   | 5/9/2003                       | <50   |     | NA         |    | <50   |   | <100   |   | <100   |   | <100   |
| ERM-MW-06                | 2   | 11/6/2003                      | 390   |     | 110        |    | NA    |   | <250   |   | <50    |   | <250   |
| ERM-MW-06                | 2   | 6/27/2006                      | NA    |     | NA         |    | <50   | U | NA     |   | NA     |   | NA     |
| ERM-MW-06 (b)            | 2   | 5/9/2003                       | NA    |     | NA         |    | <50   |   | NA     |   | NA     |   | NA     |
| ERM-MW-07                | 2   | 5/9/2003                       | 89    | Y   | NA         |    | <50   |   | <100   |   | <100   |   | 110    |
| ERM-MW-07                | 2   | 11/6/2003                      | <50   |     | NA         |    | NA    |   | <250   |   | <50    |   | <250   |
| ERM-MW-07                | 2   | 6/26/2006                      | <50   |     | NA         |    | <50   |   | <300   |   | <50    |   | <300   |
| ERM-MW-07 (b)            | 2   | 5/9/2003                       | NA    |     | NA         |    | <50   |   | NA     |   | NA     |   | NA     |
| ERM-MW-08                | 2   | 5/9/2003                       | 170   | Y   | NA         |    | <50   |   | <100   |   | <100   |   | 150    |
| ERM-MW-08                | 2   | 11/6/2003                      | 1100  |     | 250        | J  | NA    |   | 1900   |   | <50    |   | <250   |
| ERM-MW-08                | 2   | 6/26/2006                      | 450   | Y   | NA         |    | 77    | Y | 330    | Y | 400    | Y | <300   |
| ERM-MW-08 (b)            | 2   | 5/9/2003                       | NA    |     | NA         |    | <50   |   | NA     |   | NA     |   | NA     |
| ERM-MW-09                | 2   | 5/9/2003                       | 540   | Y   | NA         |    | 220   | J | <100   |   | <100   |   | 270    |
| ERM-MW-09                | 2   | 11/6/2003                      | 2600  |     | 760        |    | NA    |   | 1300   |   | <250   |   | <250   |
| ERM-MW-09                | 2   | 6/26/2006                      | 920   | Y   | NA         |    | 460   | Y | 580    | Y | 820    | Y | <300   |
| ERM-MW-09 (b)            | 2   | 5/9/2003                       | NA    |     | NA         |    | <50   |   | NA     |   | NA     |   | NA     |
| W-B-7                    | 2   | 4/17/2003                      | 83    | J   | 79         | J  | <50   |   | NA     |   | NA     |   | NA     |
| W-B-8                    | 2   | 4/14/2003                      | 91    | J   | 100        | J  | <50   |   | NA     |   | 210    |   | 1100   |
| W-B-8 (b)                | 2   | 4/14/2003                      | NA    |     | 210        |    | NA    |   | NA     |   | NA     |   | NA     |
| <b>Area of Concern 3</b> |     |                                |       |     |            |    |       |   |        |   |        |   |        |
| ERM-MW-10                | 3   | 5/9/2003                       | 75    | Y   | NA         |    | <50   |   | <100   |   | <100   |   | 110    |
| ERM-MW-10                | 3   | 11/6/2003                      | 140   |     | 180        |    | NA    |   | 620    |   | <50    |   | <250   |
| ERM-MW-10                | 3   | 6/26/2006                      | <50   |     | NA         |    | <50   |   | <300   |   | <50    |   | <300   |
| ERM-MW-10 (b)            | 3   | 5/9/2003                       | NA    |     | NA         |    | <50   |   | NA     |   | NA     |   | NA     |
| W-B-10                   | 3   | 4/15/2003                      | 160   | JY  | 93         | JY | <50   |   | NA     |   | NA     |   | NA     |
| W-B-11                   | 3   | 4/15/2003                      | 140   | J   | 120        | J  | <50   |   | NA     |   | NA     |   | NA     |
| W-B-12                   | 3   | 4/15/2003                      | 4100  | J   | 5100       | J  | <50   |   | NA     |   | NA     |   | NA     |
| <b>Area of Concern 4</b> |     |                                |       |     |            |    |       |   |        |   |        |   |        |
| ERM-B-8                  | 4   | 4/16/2003                      | 52    | Y   | 72         | Y  | <50   | U | NA     |   | NA     |   | NA     |
| ERM-B-9                  | 4   | 4/16/2003                      | 120   | Y   | 150        | Y  | <50   | U | NA     |   | NA     |   | NA     |
| <b>Area of Concern 5</b> |     |                                |       |     |            |    |       |   |        |   |        |   |        |
| ERM-B-10                 | 5   | 4/17/2003                      | 96    | Y   | <73.1      | U  | 59    | Y | NA     |   | NA     |   | NA     |
| ERM-B-11                 | 5   | 4/17/2003                      | 110   | J   | <73.1      | U  | <50   |   | NA     |   | NA     |   | NA     |
| W-B-1                    | 5   | 4/14/2003                      | 110   | Q   | NA         |    | <50   | Q | NA     |   | <50    | Q | 540    |
| W-B-2                    | 5   | 4/14/2003                      | 200   | JY  | 88         | JY | 90    |   | NA     |   | <50    |   | <250   |
| W-B-2 (b)                | 5   | 4/14/2003                      | <50   |     | NA         |    | <50   | Y | NA     |   | NA     |   | NA     |
| W-B-3                    | 5   | 4/15/2003                      | 120   |     | <78.9      | U  | 85    | Y | NA     |   | <50    |   | 650    |
| W-B-3 (b)                | 5   | 4/15/2003                      | 98    |     | NA         |    | <50   |   | NA     |   | NA     |   | NA     |

**Table E-4a (URS Table 2-4a)**  
**Post-2002 Data Set - Groundwater Results - TPH - Tier-1**

| Sample Location           | AOC                            | Date Sampled | TPH-d |    | TPH-d (sg) | TPH-g | TPH-ho | TPH-jf | TPH-mo |
|---------------------------|--------------------------------|--------------|-------|----|------------|-------|--------|--------|--------|
|                           | Airport Worker Tier-1 (a)      |              | 640   |    | 640        | 500   | 640    | 640    | 640    |
|                           | Construction Worker Tier-1 (a) |              | 640   |    | 640        | 500   | 640    | 640    | 640    |
|                           | Ecological Receptor Tier-1 (a) |              | 640   |    | 640        | 500   | 640    | 640    | 640    |
| <b>Area of Concern 6</b>  |                                |              |       |    |            |       |        |        |        |
| ERM-B-27                  | 6                              | 4/17/2003    | 550   | J  | 180        | NA    | NA     | NA     | NA     |
| <b>Area of Concern 7</b>  |                                |              |       |    |            |       |        |        |        |
| W-B-16                    | 7                              | 4/17/2003    | 69    | Y  | <73.1      | U     | <50    | NA     | <50    |
| W-B-16 (b)                | 7                              | 4/17/2003    | 57    |    | NA         |       | <50    | NA     | NA     |
| W-B-17                    | 7                              | 4/17/2003    | 660   | J  | 220        | Y     | <50    | NA     | <50    |
| W-B-17 (b)                | 7                              | 4/17/2003    | <50   |    | NA         |       | <50    | NA     | NA     |
| <b>Area of Concern 8</b>  |                                |              |       |    |            |       |        |        |        |
| ERM-B-12                  | 8                              | 4/17/2003    | <50   |    | NA         |       | <50    | NA     | NA     |
| <b>Area of Concern 9</b>  |                                |              |       |    |            |       |        |        |        |
| ERM-B-13                  | 9                              | 4/16/2003    | 86    | Y  | 77         | Y     | <50    | NA     | NA     |
| ERM-B-14                  | 9                              | 4/17/2003    | 110   | J  | 170        | Y     | <50    | NA     | NA     |
| P-2/UAL-MW-05             | 9                              | 6/27/2006    | NA    |    | NA         |       | <50    | NA     | NA     |
| P-2/UAL-MW-5              | 9                              | 4/18/2003    | <50   | Y  | NA         |       | <50    | NA     | NA     |
| P-2/UAL-MW-5              | 9                              | 4/22/2003    | <50   | Q  | NA         |       | <50    | Q      | <250   |
| W-B-22                    | 9                              | 4/18/2003    | <50   | UJ | NA         |       | <50    | UJ     | NA     |
| <b>Area of Concern 11</b> |                                |              |       |    |            |       |        |        |        |
| ERM-B-16                  | 11                             | 4/16/2003    | 59    | Y  | 82         | Y     | NA     | NA     | NA     |
| ERM-B-17                  | 11                             | 4/16/2003    | 51    | Y  | 80         | Y     | NA     | NA     | NA     |
| ERM-B-18                  | 11                             | 4/16/2003    | 96    | J  | 100        | J     | NA     | NA     | NA     |
| ERM-B-19                  | 11                             | 4/16/2003    | 80    | J  | 100        | J     | NA     | NA     | NA     |
| <b>Area of Concern 12</b> |                                |              |       |    |            |       |        |        |        |
| ERM-B-20                  | 12                             | 4/17/2003    | 61    | Y  | 83         | J     | NA     | NA     | NA     |
| ERM-B-21                  | 12                             | 4/17/2003    | 130   | J  | 130        | Y     | NA     | NA     | NA     |
| <b>Area of Concern 14</b> |                                |              |       |    |            |       |        |        |        |
| ERM-B-23                  | 14                             | 4/17/2003    | <50   |    | NA         |       | <50    | NA     | NA     |
| W-B-32                    | 14                             | 4/16/2003    | 250   | Y  | 160        | Y     | <50    | NA     | NA     |
| W-B-38                    | 14                             | 4/15/2003    | 230   | J  | 120        | J     | <50    | NA     | NA     |
| <b>Area of Concern 15</b> |                                |              |       |    |            |       |        |        |        |
| ERM-B-24                  | 15                             | 4/15/2003    | 620   | J  | 160        |       | NA     | NA     | NA     |
| ERM-B-25                  | 15                             | 4/15/2003    | 370   | J  | 140        | J     | NA     | NA     | NA     |
| ERM-B-26                  | 15                             | 4/16/2003    | 360   |    | 140        |       | NA     | NA     | NA     |
| <b>Area of Concern 16</b> |                                |              |       |    |            |       |        |        |        |
| W-B-14                    | 16                             | 4/15/2003    | 67    | J  | 69         | J     | NA     | NA     | NA     |
| <b>Area of Concern 17</b> |                                |              |       |    |            |       |        |        |        |
| P-1/UAL-MW-04             | 17                             | 6/27/2006    | NA    |    | NA         |       | <50    | UJ     | NA     |
| P-1/UAL-MW-4              | 17                             | 4/18/2003    | 82    | Y  | 100        | J     | <50    | NA     | NA     |
| P-1/UAL-MW-4              | 17                             | 4/22/2003    | <50   | Q  | NA         |       | <50    | Q      | <250   |
| UAL-MW-01                 | 17                             | 6/27/2006    | NA    |    | NA         |       | <50    | UJ     | NA     |
| UAL-MW-02                 | 17                             | 6/27/2006    | NA    |    | NA         |       | <50    | UJ     | NA     |
| UAL-MW-03                 | 17                             | 6/27/2006    | NA    |    | NA         |       | <50    | UJ     | NA     |
| UAL-MW-1                  | 17                             | 4/15/2003    | <50   |    | NA         |       | <50    | NA     | <250   |
| UAL-MW-1                  | 17                             | 4/18/2003    | <50   |    | NA         |       | <50    | NA     | NA     |
| UAL-MW-1                  | 17                             | 11/6/2003    | <50   |    | NA         |       | <50    | <250   | <50    |
| UAL-MW-2                  | 17                             | 4/15/2003    | <50   | Q  | NA         |       | <50    | Q      | <250   |
| UAL-MW-2                  | 17                             | 4/18/2003    | 280   | J  | 120        | J     | <50    | NA     | NA     |
| UAL-MW-2                  | 17                             | 11/6/2003    | <50   |    | NA         |       | <50    | <250   | <50    |
| UAL-MW-3                  | 17                             | 4/15/2003    | <50   |    | NA         |       | <50    | NA     | <250   |
| UAL-MW-3                  | 17                             | 4/18/2003    | 86    | Y  | 78         | J     | <50    | NA     | NA     |

**Table E-4a (URS Table 2-4a)**  
**Post-2002 Data Set - Groundwater Results - TPH - Tier-1**

| Sample Location           | AOC Date Sampled               |           | TPH-d | TPH-d (sg) | TPH-g | TPH-ho | TPH-jf | TPH-mo |     |   |      |   |
|---------------------------|--------------------------------|-----------|-------|------------|-------|--------|--------|--------|-----|---|------|---|
|                           | Airport Worker Tier-1 (a)      |           | 640   | 640        | 500   | 640    | 640    | 640    |     |   |      |   |
|                           | Construction Worker Tier-1 (a) |           | 640   | 640        | 500   | 640    | 640    | 640    |     |   |      |   |
|                           | Ecological Receptor Tier-1 (a) |           | 640   | 640        | 500   | 640    | 640    | 640    |     |   |      |   |
| <b>Area of Concern 18</b> |                                |           |       |            |       |        |        |        |     |   |      |   |
| W-B-18                    | 18                             | 4/18/2003 | <50   | Q          | NA    | <50    | Q      | NA     | <50 | Q | <250 | Q |
| W-B-19                    | 18                             | 4/18/2003 | <50   | Q          | NA    | <50    | Q      | NA     | <50 | Q | <250 | Q |
| W-B-20                    | 18                             | 4/18/2003 | <50   | Q          | NA    | <50    | Q      | NA     | <50 | Q | <250 | Q |
| W-B-20D                   | 18                             | 4/18/2003 | <50   | Q          | NA    | <50    | Q      | NA     | <50 | Q | <250 | Q |
| W-B-9                     | 18                             | 4/18/2003 | <50   | Q          | NA    | <50    | Q      | NA     | <50 | Q | <250 | Q |
| <b>Area of Concern 19</b> |                                |           |       |            |       |        |        |        |     |   |      |   |
| W-B-25                    | 19                             | 4/16/2003 | <50   |            | NA    | <50    |        | NA     | NA  |   | NA   |   |
| W-B-29                    | 19                             | 4/16/2003 | <50   |            | NA    | <50    |        | NA     | NA  |   | NA   |   |

**Notes**

Yellow highlighting indicates an exceedance of the selected ESL.  
 Bolding indicates detected concentrations.  
 All units are in micrograms per liter (ug/L).  
 Only analytes that have at least one detection are shown.  
 < = analyte was not detected at or above the laboratory method detection limit  
 ESL = environmental screening level  
 NA = not analyzed  
 sg = silica gel clean up  
 TPH-d = total petroleum hydrocarbon as diesel range organics  
 TPH-g = total petroleum hydrocarbon as gasoline range organics  
 TPH-ho = total petroleum hydrocarbon as hydraulic oil  
 TPH-jf = total petroleum hydrocarbon as jet fuel  
 TPH-mo = total petroleum hydrocarbon as motor oil range organics

**Qualifiers**

J = The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.  
 Q = Data not validated and there is a high uncertainty associated with the quality adequacy of the data.  
 UJ = The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the  
 Y = Sample exhibits chromatographic pattern which does not resemble standard

**Footnotes**

(a) Tier-1 airport and construction worker screening level value is based on commercial values in Table B Environmental Screening Levels (ESLs) Shallow Soils Where Groundwater is Not a Current or Potential Source of Drinking Water (RWQCB December 2013). Tier-1 ecological receptor screening level value is based on estuarine values in Table F Environmental Screening Levels (ESLs) Surface Water Bodies (RWQCB December 2013).  
 (b) Analyte analyzed by a second method.

**References**

RWQCB (San Francisco Bay Regional Water Quality Control Board) 2013. Screening For Environmental Concerns at Sites With Contaminated Soil and Groundwater November 2007, Updated December 2013. California EPA, <http://www.waterboards.ca.gov/sanfranciscobay/esl.htm>.

**Revised Table E-4b**  
**Post-2002 Data Set - Groundwater Results - TPH - Tier-2**

| Sample Location                            | AOC Date | Sample    | TPH-d | TPH-d (sg) | TPH-g | TPH-ho | TPH-jf | TPH-mo |      |      |      |   |
|--|----------|-----------|-------|------------|-------|--------|--------|--------|------|------|------|---|
| Airport Worker Tier-2 (a)                  |          |           | NS    | NS         | NS    | NS     | NS     | NS     |      |      |      |   |
| Construction Worker Tier-2 (a)             |          |           | NS    | NS         | NS    | NS     | NS     | NS     |      |      |      |   |
| Ecological Receptor Tier-2 (a) (DAF = 1)   |          |           | 640   | 640        | 500   | 640    | 640    | 640    |      |      |      |   |
| <b>Area of Concern 1</b>                   |          |           |       |            |       |        |        |        |      |      |      |   |
| Ecological Receptor Tier-2 (a) (DAF = 6.6) |          |           | 4224  | 4224       | 3300  | 4224   | 4224   | 4224   |      |      |      |   |
| ERM-B-1                                    | 1        | 4/15/2003 | 2300  | J          | 340   | J      | 110    | Y      | NA   | NA   | NA   |   |
| ERM-B-2                                    | 1        | 4/15/2003 | 5500  | JY         | <560  | U      | 71     | Y      | NA   | NA   | NA   |   |
| W-B-4                                      | 1        | 4/15/2003 | 140   | JY         | 97    | JY     | <50    | NA     | NA   | NA   | NA   |   |
| W-B-5                                      | 1        | 4/15/2003 | <500  | UJY        | NA    |        | <50    | NA     | NA   | NA   | NA   |   |
| W-B-6                                      | 1        | 4/15/2003 | 520   | JY         | 260   | JY     | <50    | NA     | NA   | NA   | NA   |   |
| <b>Area of Concern 2</b>                   |          |           |       |            |       |        |        |        |      |      |      |   |
| Ecological Receptor Tier-2 (a) (DAF = 3.5) |          |           | 2240  | 2240       | 1750  | 2240   | 2240   | 2240   | 2240 |      |      |   |
| ERM-B-3                                    | 2        | 4/15/2003 | 930   | Y          | 200   | Y      | <50    | NA     | NA   | NA   | NA   |   |
| ERM-B-4                                    | 2        | 4/15/2003 | 4500  | J          | 840   | J      | <50    | NA     | NA   | NA   | NA   |   |
| ERM-B-5                                    | 2        | 4/15/2003 | 12000 | J          | 4700  | J      | <500   | NA     | NA   | NA   | NA   |   |
| ERM-B-6                                    | 2        | 4/15/2003 | 7700  | J          | 990   | J      | 1700   | NA     | NA   | NA   | NA   |   |
| ERM-B-7                                    | 2        | 4/15/2003 | 1900  | J          | 150   | J      | <50    | J      | NA   | NA   | NA   |   |
| ERM-MW-06                                  | 2        | 5/9/2003  | <50   |            | NA    |        | <50    | <100   | <100 | <100 | <100 |   |
| ERM-MW-06                                  | 2        | 11/6/2003 | 390   |            | 110   |        | NA     | <250   | <50  | <250 | <250 |   |
| ERM-MW-06                                  | 2        | 6/27/2006 | NA    |            | NA    |        | <50    | U      | NA   | NA   | NA   |   |
| ERM-MW-06 (b)                              | 2        | 5/9/2003  | NA    |            | NA    |        | <50    | NA     | NA   | NA   | NA   |   |
| ERM-MW-07                                  | 2        | 5/9/2003  | 89    | Y          | NA    |        | <50    | <100   | <100 | 110  | Y    |   |
| ERM-MW-07                                  | 2        | 11/6/2003 | <50   |            | NA    |        | NA     | <250   | <50  | <250 | <250 |   |
| ERM-MW-07                                  | 2        | 6/26/2006 | <50   |            | NA    |        | <50    | <300   | <50  | <300 | <300 |   |
| ERM-MW-07 (b)                              | 2        | 5/9/2003  | NA    |            | NA    |        | <50    | NA     | NA   | NA   | NA   |   |
| ERM-MW-08                                  | 2        | 5/9/2003  | 170   | Y          | NA    |        | <50    | <100   | <100 | 150  | Y    |   |
| ERM-MW-08                                  | 2        | 11/6/2003 | 1100  |            | 250   | J      | NA     | 1900   | <50  | <250 | <250 |   |
| ERM-MW-08                                  | 2        | 6/26/2006 | 450   | Y          | NA    |        | 77     | Y      | 330  | Y    | 400  | Y |
| ERM-MW-08 (b)                              | 2        | 5/9/2003  | NA    |            | NA    |        | <50    | NA     | NA   | NA   | NA   |   |
| ERM-MW-09                                  | 2        | 5/9/2003  | 540   | Y          | NA    |        | 220    | J      | <100 | <100 | 270  | Y |
| ERM-MW-09                                  | 2        | 11/6/2003 | 2600  |            | 760   |        | NA     | 1300   | <250 | <250 | <250 |   |
| ERM-MW-09                                  | 2        | 6/26/2006 | 920   | Y          | NA    |        | 460    | Y      | 580  | Y    | 820  | Y |
| ERM-MW-09 (b)                              | 2        | 5/9/2003  | NA    |            | NA    |        | <50    | NA     | NA   | NA   | NA   |   |
| W-B-7                                      | 2        | 4/17/2003 | 83    | J          | 79    | J      | <50    | NA     | NA   | NA   | NA   |   |
| W-B-8                                      | 2        | 4/14/2003 | 91    | J          | 100   | J      | <50    | NA     | 210  | 1100 | 1100 |   |
| W-B-8 (b)                                  | 2        | 4/14/2003 | NA    |            | 210   |        | NA     | NA     | NA   | NA   | NA   |   |
| <b>Area of Concern 3</b>                   |          |           |       |            |       |        |        |        |      |      |      |   |
| Ecological Receptor Tier-2 (a) (DAF = 2.3) |          |           | 1472  | 1472       | 1150  | 1472   | 1472   | 1472   | 1472 |      |      |   |
| ERM-MW-10                                  | 3        | 5/9/2003  | 75    | Y          | NA    |        | <50    | <100   | <100 | 110  | Y    |   |
| ERM-MW-10                                  | 3        | 11/6/2003 | 140   |            | 180   |        | NA     | 620    | <50  | <250 | <250 |   |
| ERM-MW-10                                  | 3        | 6/26/2006 | <50   |            | NA    |        | <50    | <300   | <50  | <300 | <300 |   |
| ERM-MW-10 (b)                              | 3        | 5/9/2003  | NA    |            | NA    |        | <50    | NA     | NA   | NA   | NA   |   |
| W-B-10                                     | 3        | 4/15/2003 | 160   | JY         | 93    | JY     | <50    | NA     | NA   | NA   | NA   |   |
| W-B-11                                     | 3        | 4/15/2003 | 140   | J          | 120   | J      | <50    | NA     | NA   | NA   | NA   |   |
| W-B-12                                     | 3        | 4/15/2003 | 4100  | J          | 5100  | J      | <50    | NA     | NA   | NA   | NA   |   |



**Revised Table E-4b**  
**Post-2002 Data Set - Groundwater Results - TPH - Tier-2**

| Sample Location                            | AOC Date | Sample    | TPH-d |    | TPH-d (sg) |    | TPH-g |   | TPH-ho |  | TPH-jf |   | TPH-mo |
|--|----------|-----------|-------|----|------------|----|-------|---|--------|--|--------|---|--------|
| Airport Worker Tier-2 (a)                  |          |           | NS    |    | NS         |    | NS    |   | NS     |  | NS     |   | NS     |
| Construction Worker Tier-2 (a)             |          |           | NS    |    | NS         |    | NS    |   | NS     |  | NS     |   | NS     |
| Ecological Receptor Tier-2 (a) (DAF = 1)   |          |           | 640   |    | 640        |    | 500   |   | 640    |  | 640    |   | 640    |
| <b>Area of Concern 4</b>                   |          |           |       |    |            |    |       |   |        |  |        |   |        |
| Ecological Receptor Tier-2 (a) (DAF = 6.2) |          |           | 3968  |    | 3968       |    | 3100  |   | 3968   |  | 3968   |   | 3968   |
| ERM-B-8                                    | 4        | 4/16/2003 | 52    | Y  | 72         | Y  | <50   | U | NA     |  | NA     |   | NA     |
| ERM-B-9                                    | 4        | 4/16/2003 | 120   | Y  | 150        | Y  | <50   | U | NA     |  | NA     |   | NA     |
| <b>Area of Concern 5</b>                   |          |           |       |    |            |    |       |   |        |  |        |   |        |
| Ecological Receptor Tier-2 (a) (DAF = 6)   |          |           | 3840  |    | 3840       |    | 3000  |   | 3840   |  | 3840   |   | 3840   |
| ERM-B-10                                   | 5        | 4/17/2003 | 96    | Y  | <73.1      | U  | 59    | Y | NA     |  | NA     |   | NA     |
| ERM-B-11                                   | 5        | 4/17/2003 | 110   | J  | <73.1      | U  | <50   |   | NA     |  | NA     |   | NA     |
| W-B-1                                      | 5        | 4/14/2003 | 110   | Q  | NA         |    | <50   | Q | NA     |  | <50    | Q | 540    |
| W-B-2                                      | 5        | 4/14/2003 | 200   | JY | 88         | JY | 90    |   | NA     |  | <50    |   | <250   |
| W-B-2 (b)                                  | 5        | 4/14/2003 | <50   |    | NA         |    | <50   | Y | NA     |  | NA     |   | NA     |
| W-B-3                                      | 5        | 4/15/2003 | 120   |    | <78.9      | U  | 85    | Y | NA     |  | <50    |   | 650    |
| W-B-3 (b)                                  | 5        | 4/15/2003 | 98    |    | NA         |    | <50   |   | NA     |  | NA     |   | NA     |
| <b>Area of Concern 6</b>                   |          |           |       |    |            |    |       |   |        |  |        |   |        |
| Ecological Receptor Tier-2 (a) (DAF = 2.4) |          |           | 1536  |    | 1536       |    | 1200  |   | 1536   |  | 1536   |   | 1536   |
| ERM-B-27                                   | 6        | 4/17/2003 | 550   | J  | 180        |    | NA    |   | NA     |  | NA     |   | NA     |
| <b>Area of Concern 7</b>                   |          |           |       |    |            |    |       |   |        |  |        |   |        |
| Ecological Receptor Tier-2 (a) (DAF = 4.2) |          |           | 2688  |    | 2688       |    | 2100  |   | 2688   |  | 2688   |   | 2688   |
| W-B-16                                     | 7        | 4/17/2003 | 69    | Y  | <73.1      | U  | <50   |   | NA     |  | <50    |   | <250   |
| W-B-16 (b)                                 | 7        | 4/17/2003 | 57    |    | NA         |    | <50   |   | NA     |  | NA     |   | NA     |
| W-B-17                                     | 7        | 4/17/2003 | 660   | J  | 220        | Y  | <50   |   | NA     |  | <50    |   | <250   |
| W-B-17 (b)                                 | 7        | 4/17/2003 | <50   |    | NA         |    | <50   |   | NA     |  | NA     |   | NA     |
| <b>Area of Concern 8</b>                   |          |           |       |    |            |    |       |   |        |  |        |   |        |
| Ecological Receptor Tier-2 (a) (DAF = 2.7) |          |           | 1728  |    | 1728       |    | 1350  |   | 1728   |  | 1728   |   | 1728   |
| ERM-B-12                                   | 8        | 4/17/2003 | <50   |    | NA         |    | <50   |   | NA     |  | NA     |   | NA     |
| <b>Area of Concern 9</b>                   |          |           |       |    |            |    |       |   |        |  |        |   |        |
| Ecological Receptor Tier-2 (a) (DAF = 5.5) |          |           | 3520  |    | 3520       |    | 2750  |   | 3520   |  | 3520   |   | 3520   |
| ERM-B-13                                   | 9        | 4/16/2003 | 86    | Y  | 77         | Y  | <50   |   | NA     |  | NA     |   | NA     |
| ERM-B-14                                   | 9        | 4/17/2003 | 110   | J  | 170        | Y  | <50   |   | NA     |  | NA     |   | NA     |
| P-2/UAL-MW-05                              | 9        | 6/27/2006 | NA    |    | NA         |    | <50   |   | NA     |  | NA     |   | NA     |
| P-2/UAL-MW-5                               | 9        | 4/18/2003 | <50   | Y  | NA         |    | <50   |   | NA     |  | NA     |   | NA     |
| P-2/UAL-MW-5                               | 9        | 4/22/2003 | <50   | Q  | NA         |    | <50   | Q | NA     |  | <50    | Q | <250   |
| W-B-22                                     | 9        | 4/18/2003 | <50   | U  | NA         |    | <50   | U | NA     |  | NA     |   | NA     |
| <b>Area of Concern 11</b>                  |          |           |       |    |            |    |       |   |        |  |        |   |        |
| Ecological Receptor Tier-2 (a) (DAF = 4.8) |          |           | 3072  |    | 3072       |    | 2400  |   | 3072   |  | 3072   |   | 3072   |
| ERM-B-16                                   | 11       | 4/16/2003 | 59    | Y  | 82         | Y  | NA    |   | NA     |  | NA     |   | NA     |
| ERM-B-17                                   | 11       | 4/16/2003 | 51    | Y  | 80         | Y  | NA    |   | NA     |  | NA     |   | NA     |
| ERM-B-18                                   | 11       | 4/16/2003 | 96    | J  | 100        | J  | NA    |   | NA     |  | NA     |   | NA     |
| ERM-B-19                                   | 11       | 4/16/2003 | 80    | J  | 100        | J  | NA    |   | NA     |  | NA     |   | NA     |
| <b>Area of Concern 12</b>                  |          |           |       |    |            |    |       |   |        |  |        |   |        |
| Ecological Receptor Tier-2 (a) (DAF = 6.4) |          |           | 4096  |    | 4096       |    | 3200  |   | 4096   |  | 4096   |   | 4096   |
| ERM-B-20                                   | 12       | 4/17/2003 | 61    | Y  | 83         | J  | NA    |   | NA     |  | NA     |   | NA     |
| ERM-B-21                                   | 12       | 4/17/2003 | 130   | J  | 130        | Y  | NA    |   | NA     |  | NA     |   | NA     |

**Revised Table E-4b**  
**Post-2002 Data Set - Groundwater Results - TPH - Tier-2**

| Sample Location                            | AOC | Date Sampled | TPH-d      |   | TPH-d (sg) |   | TPH-g |    | TPH-ho |  | TPH-jf |   | TPH-mo |
|--|-----|--------------|------------|---|------------|---|-------|----|--------|--|--------|---|--------|
| Airport Worker Tier-2 (a)                  |     |              | NS         |   | NS         |   | NS    |    | NS     |  | NS     |   | NS     |
| Construction Worker Tier-2 (a)             |     |              | NS         |   | NS         |   | NS    |    | NS     |  | NS     |   | NS     |
| Ecological Receptor Tier-2 (a) (DAF = 1)   |     |              | 640        |   | 640        |   | 500   |    | 640    |  | 640    |   | 640    |
| <b>Area of Concern 14</b>                  |     |              |            |   |            |   |       |    |        |  |        |   |        |
| Ecological Receptor Tier-2 (a) (DAF = 1)   |     |              | 640        |   | 640        |   | 500   |    | 640    |  | 640    |   | 640    |
| ERM-B-23                                   | 14  | 4/17/2003    | <50        |   | NA         |   | <50   |    | NA     |  | NA     |   | NA     |
| W-B-32                                     | 14  | 4/16/2003    | <b>250</b> | Y | <b>160</b> | Y | <50   |    | NA     |  | NA     |   | NA     |
| W-B-38                                     | 14  | 4/15/2003    | <b>230</b> | J | <b>120</b> | J | <50   |    | NA     |  | NA     |   | NA     |
| <b>Area of Concern 15</b>                  |     |              |            |   |            |   |       |    |        |  |        |   |        |
| Ecological Receptor Tier-2 (a) (DAF = 1)   |     |              | 640        |   | 640        |   | 500   |    | 640    |  | 640    |   | 640    |
| ERM-B-24                                   | 15  | 4/15/2003    | <b>620</b> | J | <b>160</b> |   | NA    |    | NA     |  | NA     |   | NA     |
| ERM-B-25                                   | 15  | 4/15/2003    | <b>370</b> | J | <b>140</b> | J | NA    |    | NA     |  | NA     |   | NA     |
| ERM-B-26                                   | 15  | 4/16/2003    | <b>360</b> |   | <b>140</b> |   | NA    |    | NA     |  | NA     |   | NA     |
| <b>Area of Concern 16</b>                  |     |              |            |   |            |   |       |    |        |  |        |   |        |
| Ecological Receptor Tier-2 (a) (DAF = 1)   |     |              | 640        |   | 640        |   | 500   |    | 640    |  | 640    |   | 640    |
| W-B-14                                     | 16  | 4/15/2003    | <b>67</b>  | J | <b>69</b>  | J | NA    |    | NA     |  | NA     |   | NA     |
| <b>Area of Concern 17</b>                  |     |              |            |   |            |   |       |    |        |  |        |   |        |
| Ecological Receptor Tier-2 (a) (DAF = 5.5) |     |              | 3520       |   | 3520       |   | 2750  |    | 3520   |  | 3520   |   | 3520   |
| P-1/UAL-MW-04                              | 17  | 6/27/2006    | NA         |   | NA         |   | <50   | UJ | NA     |  | NA     |   | NA     |
| P-1/UAL-MW-4                               | 17  | 4/18/2003    | <b>82</b>  | Y | <b>100</b> | J | <50   |    | NA     |  | NA     |   | NA     |
| P-1/UAL-MW-4                               | 17  | 4/22/2003    | <50        | Q | NA         |   | <50   | Q  | NA     |  | <50    | Q | <250   |
| UAL-MW-01                                  | 17  | 6/27/2006    | NA         |   | NA         |   | <50   | UJ | NA     |  | NA     |   | NA     |
| UAL-MW-02                                  | 17  | 6/27/2006    | NA         |   | NA         |   | <50   | UJ | NA     |  | NA     |   | NA     |
| UAL-MW-03                                  | 17  | 6/27/2006    | NA         |   | NA         |   | <50   | UJ | NA     |  | NA     |   | NA     |
| UAL-MW-1                                   | 17  | 4/15/2003    | <50        |   | NA         |   | <50   |    | NA     |  | <50    |   | <250   |
| UAL-MW-1                                   | 17  | 4/18/2003    | <50        |   | NA         |   | <50   |    | NA     |  | NA     |   | NA     |
| UAL-MW-1                                   | 17  | 11/6/2003    | <50        |   | NA         |   | <50   |    | <250   |  | <50    |   | <250   |
| UAL-MW-2                                   | 17  | 4/15/2003    | <50        | Q | NA         |   | <50   | Q  | NA     |  | <50    | Q | <250   |
| UAL-MW-2                                   | 17  | 4/18/2003    | <b>280</b> | J | <b>120</b> | J | <50   |    | NA     |  | NA     |   | NA     |
| UAL-MW-2                                   | 17  | 11/6/2003    | <50        |   | NA         |   | <50   |    | <250   |  | <50    |   | <250   |
| UAL-MW-3                                   | 17  | 4/15/2003    | <50        |   | NA         |   | <50   |    | NA     |  | <50    |   | <250   |
| UAL-MW-3                                   | 17  | 4/18/2003    | <b>86</b>  | Y | <b>78</b>  | J | <50   |    | NA     |  | NA     |   | NA     |
| <b>Area of Concern 18</b>                  |     |              |            |   |            |   |       |    |        |  |        |   |        |
| Ecological Receptor Tier-2 (a) (DAF = 7)   |     |              | 4480       |   | 4480       |   | 3500  |    | 4480   |  | 4480   |   | 4480   |
| W-B-18                                     | 18  | 4/18/2003    | <50        | Q | NA         |   | <50   | Q  | NA     |  | <50    | Q | <250   |
| W-B-19                                     | 18  | 4/18/2003    | <50        | Q | NA         |   | <50   | Q  | NA     |  | <50    | Q | <250   |
| W-B-20                                     | 18  | 4/18/2003    | <50        | Q | NA         |   | <50   | Q  | NA     |  | <50    | Q | <250   |
| W-B-20D                                    | 18  | 4/18/2003    | <50        | Q | NA         |   | <50   | Q  | NA     |  | <50    | Q | <250   |
| W-B-9                                      | 18  | 4/18/2003    | <50        | Q | NA         |   | <50   | Q  | NA     |  | <50    | Q | <250   |
| <b>Area of Concern 19</b>                  |     |              |            |   |            |   |       |    |        |  |        |   |        |
| Ecological Receptor Tier-2 (a) (DAF = 1)   |     |              | 640        |   | 640        |   | 500   |    | 640    |  | 640    |   | 640    |
| W-B-25                                     | 19  | 4/16/2003    | <50        |   | NA         |   | <50   |    | NA     |  | NA     |   | NA     |
| W-B-29                                     | 19  | 4/16/2003    | <50        |   | NA         |   | <50   |    | NA     |  | NA     |   | NA     |

## Revised Table E-4b

### Post-2002 Data Set - Groundwater Results - TPH - Tier-2

#### Notes

Yellow highlighting indicates an exceedance of the selected ESL.

Bolding indicates detected concentrations.

All units are in micrograms per liter (ug/L).

Only analytes that have at least one detection and have exceeded the Tier-1 screening level are shown.

< = analyte was not detected at or above the laboratory method detection limit

DAF = dilution attenuation factor

ESL = environmental screening level

NA = not analyzed

NS = no ESL standard

sg = silica gel clean up

TPH-d = total petroleum hydrocarbon as diesel range organics

TPH-g = total petroleum hydrocarbon as gasoline range organics

TPH-ho = total petroleum hydrocarbon as hydraulic oil

TPH-jf = total petroleum hydrocarbon as jet fuel

TPH-mo = total petroleum hydrocarbon as motor oil range organics

#### Qualifiers

J = The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

Q = Data not validated and there is a high uncertainty associated with the quality adequacy of the data.

UJ = The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

Y = Sample exhibits chromatographic pattern which does not resemble standard.

#### Footnotes

(a) Tier-2 airport and construction worker screening level value is based on commercial values in Table E-1 Environmental Screening Levels (ESLs) Groundwater Screening Levels (RWQCB, December 2013). Tier-2 Ecological receptor screening level value is based on estuarine values in Table F-4a Summary of Selected Aquatic Habitat Goals (RWQCB, December 2013) multiplied by a DAF specific to the approximate location of the AOC as listed in Table 1.

(b) Analyte analyzed by a second method.

#### References

RWQCB (San Francisco Bay Regional Water Quality Control Board), 2013. Screening For Environmental Concerns at Sites With Contaminated Soil and Groundwater November 2007, Updated December 2013. California EPA, <http://www.waterboards.ca.gov/sanfranciscobay/esl.htm>.





Table E-5a (URS Table 2-5a)

Post-2002 Data Set - Groundwater Results - VOC - Tier-1

| Sample Location                | AOC | Date Sampled | 1,1,1-Trichloroethane | 1,1-Dichloroethane | 1,1-Dichloroethene | 1,2,4-Trimethylbenzene | 1,2-Dichloroethane | 1,3,5-Trimethylbenzene | Acetone | Chloroethane | Chloroform | Chloromethane | cis-1,2-Dichloroethene | Ethylbenzene | Isopropylbenzene | m,p-Xylenes | Methylene Chloride | Naphthalene | n-Butylbenzene | n-Propylbenzene | o-Xylene | p-Isopropyltoluene | Styrene | tert-Butyl methyl ether | tert-Butylbenzene | Tetrachloroethene | Toluene | Total Xylene | trans-1,2-Dichloroethene | Trichloroethene | Vinyl chloride |      |      |
|--------------------------------|-----|--------------|-----------------------|--------------------|--------------------|------------------------|--------------------|------------------------|---------|--------------|------------|---------------|------------------------|--------------|------------------|-------------|--------------------|-------------|----------------|-----------------|----------|--------------------|---------|-------------------------|-------------------|-------------------|---------|--------------|--------------------------|-----------------|----------------|------|------|
| Airport Worker Tier-1 (a)      |     |              | 62                    | 47                 | 25                 | NS                     | 100                | NS                     | 1500    | 16           | 170        | 1100          | 590                    | 43           | NS               | 100         | 2200               | 24          | NS             | NS              | 100      | NS                 | 100     | 1800                    | NS                | 63                | 130     | 100          | 590                      | 130             | 1.8            |      |      |
| Construction Worker Tier-1 (a) |     |              | 62                    | 47                 | 25                 | NS                     | 100                | NS                     | 1500    | 16           | 170        | 1100          | 590                    | 43           | NS               | 100         | 2200               | 24          | NS             | NS              | 100      | NS                 | 100     | 1800                    | NS                | 63                | 130     | 100          | 590                      | 130             | 1.8            |      |      |
| Ecological Receptor Tier-1 (a) |     |              | 62                    | 47                 | 3.2                | NS                     | 99                 | NS                     | 1500    | 16           | 470        | 1100          | 590                    | 30           | NS               | 100         | 1600               | 21          | NS             | NS              | 100      | NS                 | 11      | 180                     | NS                | 8.9               | 40      | 100          | 260                      | 81              | 530            |      |      |
| <b>Area of Concern 16</b>      |     |              |                       |                    |                    |                        |                    |                        |         |              |            |               |                        |              |                  |             |                    |             |                |                 |          |                    |         |                         |                   |                   |         |              |                          |                 |                |      |      |
| W-B-14                         | 16  | 4/15/2003    | NA                    | NA                 | NA                 | NA                     | NA                 | NA                     | NA      | NA           | NA         | NA            | NA                     | <0.5         | NA               | NA          | NA                 | NA          | NA             | NA              | NA       | NA                 | NA      | NA                      | NA                | NA                | NA      | NA           | NA                       | NA              | NA             | NA   | NA   |
| <b>Area of Concern 17</b>      |     |              |                       |                    |                    |                        |                    |                        |         |              |            |               |                        |              |                  |             |                    |             |                |                 |          |                    |         |                         |                   |                   |         |              |                          |                 |                |      |      |
| P-1/UAL-MW-04                  | 17  | 6/27/2006    | <0.5                  | <b>3</b>           | <0.5               | <0.5                   | <0.5               | <0.5                   | <10     | <1           | <0.5       | <1            | <0.5                   | <0.5         | <0.5             | <0.5        | <10                | <2          | <0.5           | <0.5            | <0.5     | <0.5               | <0.5    | <b>31</b>               | <0.5              | <0.5              | <0.5    | <0.5         | NA                       | <0.5            | <0.5           | <0.5 | <0.5 |
| P-1/UAL-MW-4                   | 17  | 4/18/2003    | <0.5                  | <b>1.3</b>         | <0.5               | <0.5                   | <0.5               | <0.5                   | NA      | <0.5         | <0.5       | <0.5          | <0.5                   | <0.5         | <0.5             | NA          | <1                 | <1          | <0.5           | <0.5            | NA       | <0.5               | <0.5    | <b>84</b>               | <0.5              | <0.5              | <0.5    | <0.5         | <0.5                     | <0.5            | <0.5           | <0.5 | <0.5 |
| P-1/UAL-MW-4                   | 17  | 4/22/2003    | <1.2                  | <1.2               | <1.2               | <1.2                   | NA                 | <1.2                   | NA      | <1.2         | NA         | <1.2          | <1.2                   | <1.2         | <1.2             | NA          | <1.2               | <1.2        | NA             | NA              | NA       | <1.2               | <1.2    | <b>55</b>               | NA                | NA                | <1.2    | <1.2         | NA                       | <1.2            | NA             | <1.2 |      |
| UAL-MW-01                      | 17  | 6/27/2006    | <0.5                  | <0.5               | <0.5               | <0.5                   | <0.5               | <0.5                   | <10     | <1           | <0.5       | <1            | <0.5                   | <0.5         | <0.5             | <0.5        | <10                | <2          | <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 |      |
| UAL-MW-02                      | 17  | 6/27/2006    | <b>0.8</b>            | <0.5               | <0.5               | <0.5                   | <0.5               | <0.5                   | <10     | <1           | <0.5       | <1            | <0.5                   | <0.5         | <0.5             | <0.5        | <10                | <2          | <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 |      |
| UAL-MW-03                      | 17  | 6/27/2006    | <0.5                  | <b>1.5</b>         | <0.5               | <0.5                   | <0.5               | <0.5                   | <10     | <1           | <0.5       | <1            | <0.5                   | <0.5         | <0.5             | <0.5        | <10                | <2          | <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 |      |
| UAL-MW-1                       | 17  | 4/15/2003    | <0.5                  | <0.5               | <0.5               | <0.5                   | NA                 | <0.5                   | NA      | <0.5         | NA         | <0.5          | <0.5                   | <0.5         | <0.5             | NA          | <0.5               | <0.5        | NA             | NA              | NA       | <0.5               | <0.5    | <b>0.65</b>             | NA                | NA                | <0.5    | <0.5         | NA                       | <0.5            | NA             |      |      |
| UAL-MW-1                       | 17  | 4/18/2003    | <0.5                  | <0.5               | <0.5               | <0.5                   | <0.5               | <0.5                   | NA      | <0.5         | NA         | <0.5          | <0.5                   | <0.5         | <0.5             | NA          | <1                 | <1          | <0.5           | <0.5            | NA       | NA                 | <0.5    | <0.5                    | <b>2</b>          | <0.5              | <0.5    | <0.5         | <0.5                     | <0.5            | <0.5           | <0.5 |      |
| UAL-MW-1                       | 17  | 11/6/2003    | NA                    | NA                 | NA                 | NA                     | NA                 | NA                     | NA      | NA           | NA         | NA            | NA                     | NA           | NA               | NA          | NA                 | NA          | NA             | NA              | NA       | NA                 | NA      | NA                      | <0.5              | NA                | NA      | NA           | NA                       | NA              | NA             | NA   |      |
| UAL-MW-2                       | 17  | 4/15/2003    | <0.5                  | <b>2.1</b>         | <0.5               | <0.5                   | NA                 | <0.5                   | NA      | <0.5         | NA         | <0.5          | <b>3</b>               | <0.5         | <0.5             | NA          | <0.5               | <0.5        | NA             | NA              | NA       | <0.5               | <0.5    | <b>22</b>               | NA                | NA                | <0.5    | <0.5         | NA                       | <0.5            | NA             |      |      |
| UAL-MW-2                       | 17  | 4/18/2003    | <0.5                  | <b>3.4</b>         | <0.5               | <0.5                   | <0.5               | <0.5                   | NA      | <0.5         | NA         | <0.5          | <0.5                   | <0.5         | <0.5             | NA          | <1                 | <1          | <0.5           | <0.5            | NA       | NA                 | <0.5    | <0.5                    | <b>38</b>         | <0.5              | <0.5    | <0.5         | <0.5                     | <0.5            | <0.5           | <0.5 |      |
| UAL-MW-2                       | 17  | 11/6/2003    | NA                    | NA                 | NA                 | NA                     | NA                 | NA                     | NA      | NA           | NA         | NA            | NA                     | NA           | NA               | NA          | NA                 | NA          | NA             | NA              | NA       | NA                 | NA      | NA                      | <0.5              | NA                | NA      | NA           | NA                       | NA              | NA             | NA   |      |
| UAL-MW-3                       | 17  | 4/15/2003    | <0.5                  | <b>3</b>           | <0.5               | <0.5                   | NA                 | <0.5                   | NA      | <0.5         | NA         | <0.5          | <0.5                   | <0.5         | <0.5             | NA          | <0.5               | <0.5        | NA             | NA              | NA       | <0.5               | <0.5    | <b>43</b>               | NA                | NA                | <0.5    | <0.5         | NA                       | <0.5            | NA             |      |      |
| UAL-MW-3                       | 17  | 4/18/2003    | <0.5                  | <b>4.9</b>         | <0.5               | <0.5                   | <0.5               | <0.5                   | NA      | <0.5         | NA         | <0.5          | <0.5                   | <0.5         | <0.5             | NA          | <1                 | <1          | <0.5           | <0.5            | NA       | <0.5               | <0.5    | <b>69</b>               | <0.5              | <0.5              | <0.5    | <0.5         | <0.5                     | <0.5            | <0.5           |      |      |
| UAL-MW-3                       | 17  | 11/7/2003    | <1                    | <b>3.7</b>         | <0.5               | <1                     | <0.5               | <1                     | NA      | <1           | <0.5       | <1            | <1                     | <1           | <1               | NA          | <5                 | <1.2        | <1             | <1              | NA       | <1                 | <1      | <b>41</b>               | <1                | <0.5              | <1      | <1           | <1                       | <1              | <0.5           |      |      |
| <b>Area of Concern 18</b>      |     |              |                       |                    |                    |                        |                    |                        |         |              |            |               |                        |              |                  |             |                    |             |                |                 |          |                    |         |                         |                   |                   |         |              |                          |                 |                |      |      |
| W-B-18                         | 18  | 4/18/2003    | <0.5                  | <0.5               | <0.5               | <0.5                   | <0.5               | <0.5                   | <5      | <0.5         | <0.5       | <0.5          | <0.5                   | <0.5         | <0.5             | NA          | <0.5               | <0.5        | <0.5           | <0.5            | NA       | <0.5               | <0.5    | <0.5                    | <0.5              | <0.5              | <0.5    | <0.5         | <0.5                     | <0.5            | <0.5           | <0.5 |      |
| W-B-19                         | 18  | 4/18/2003    | <0.5                  | <b>0.59</b>        | <0.5               | <0.5                   | <0.5               | <0.5                   | NA      | <0.5         | <0.5       | <b>0.52</b>   | <b>6.4</b>             | <0.5         | <0.5             | NA          | <1                 | <1          | <0.5           | <0.5            | NA       | <0.5               | <0.5    | <0.5                    | <0.5              | <0.5              | <0.5    | <0.5         | <0.5                     | <0.5            | <0.5           | <0.5 |      |
| W-B-19 (c)                     | 18  | 4/18/2003    | <0.5                  | <0.5               | <0.5               | <0.5                   | <0.5               | <0.5                   | <5      | <0.5         | <0.5       | <0.5          | <b>5</b>               | <0.5         | <0.5             | NA          | <0.5               | <0.5        | <0.5           | <0.5            | NA       | <0.5               | <0.5    | <0.5                    | <0.5              | <0.5              | <0.5    | <0.5         | <0.5                     | <0.5            | <0.5           | <0.5 |      |
| W-B-20                         | 18  | 4/18/2003    | <0.5                  | <0.5               | <0.5               | <0.5                   | <0.5               | <0.5                   | <5      | <0.5         | <0.5       | <0.5          | <0.5                   | <0.5         | <0.5             | NA          | <0.5               | <0.5        | <0.5           | <0.5            | NA       | <0.5               | <0.5    | <0.5                    | <0.5              | <0.5              | <0.5    | <0.5         | <0.5                     | <0.5            | <0.5           | <0.5 |      |
| W-B-20D                        | 18  | 4/18/2003    | <0.5                  | <0.5               | <0.5               | <0.5                   | <0.5               | <0.5                   | <5      | <0.5         | <0.5       | <0.5          | <0.5                   | <0.5         | <0.5             | NA          | <0.5               | <0.5        | <0.5           | <0.5            | NA       | <0.5               | <0.5    | <0.5                    | <0.5              | <0.5              | <0.5    | <0.5         | <0.5                     | <0.5            | <0.5           | <0.5 |      |
| W-B-9                          | 18  | 4/18/2003    | <0.5                  | <0.5               | <0.5               | <0.5                   | <0.5               | <0.5                   | NA      | <0.5         | <0.5       | <b>0.51</b>   | <0.5                   | <0.5         | <0.5             | NA          | <1                 | <1          | <0.5           | <0.5            | NA       | <0.5               | <0.5    | <0.5                    | <0.5              | <0.5              | <0.5    | <0.5         | <0.5                     | <0.5            | <0.5           | <0.5 |      |
| W-B-9 (c)                      | 18  | 4/18/2003    | <0.5                  | <0.5               | <0.5               | <0.5                   | <0.5               | <0.5                   | <5      | <0.5         | <0.5       | <0.5          | <0.5                   | <0.5         | <0.5             | NA          | <0.5               | <0.5        | <0.5           | <0.5            | NA       | <0.5               | <0.5    | <0.5                    | <0.5              | <0.5              | <0.5    | <0.5         | <0.5                     | <0.5            | <0.5           | <0.5 |      |
| <b>Area of Concern 19</b>      |     |              |                       |                    |                    |                        |                    |                        |         |              |            |               |                        |              |                  |             |                    |             |                |                 |          |                    |         |                         |                   |                   |         |              |                          |                 |                |      |      |
| W-B-25                         | 19  | 4/16/2003    | <0.5                  | <0.5               | <0.5               | <0.5                   | <0.5               | <0.5                   | NA      | <0.5         | <0.5       | <0.5          | <0.5                   | <0.5         | <0.5             | NA          | <1                 | <1          | <0.5           | <0.5            | NA       | <0.5               | <0.5    | <0.5                    | <0.5              | <0.5              | <0.5    | <0.5         | <0.5                     | <0.5            | <0.5           | <0.5 |      |
| W-B-29                         | 19  | 4/16/2003    | <0.5                  | <0.5               | <0.5               | <0.5                   | <0.5               | <0.5                   | NA      | <0.5         | <0.5       | <0.5          | <0.5                   | <0.5         | <0.5             | NA          | <1                 | <1          | <0.5           | <0.5            | NA       | <0.5               | <0.5    | <0.5                    | <0.5              | <0.5              | <0.5    | <0.5         | <0.5                     | <0.5            | <0.5           | <0.5 |      |

**Notes**  
 Yellow highlighting indicates an exceedance of the selected ESL.  
 Bolding indicates detected concentrations.  
 All units are in micrograms per liter (ug/L).  
 Only analytes that have at least one detection are shown.  
 < = analyte was not detected at or above the laboratory method detection limit  
 ESL = environmental screening level  
 NA = not analyzed  
 NS = no ESL standard

**Qualifiers**  
 J = The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.  
 Q = Data not validated and there is a high uncertainty associated with the quality adequacy of the data.  
 UJ = The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

**Footnotes**  
 (a) Tier-1 airport and construction worker screening level value is based on commercial values in Table B Environmental Screening Levels (ESLs) Shallow Soils Where Groundwater is Not a Current or Potential Source of Drinking Water (RWQCB December 2013). Tier-1 ecological receptor screening level value is based on estuarine values in Table F Environmental Screening Levels (ESLs) Surface Water Bodies (RWQCB December 2013).  
 (b) Analyte analyzed by a second method.  
 (c) Analyzed by a second lab.

**References**  
 RWQCB (San Francisco Bay Regional Water Quality Control Board) 2013. Screening For Environmental Concerns at Sites With Contaminated Soil and Groundwater November 2007, Updated December 2013. California EPA, <http://www.waterboards.ca.gov/sanfranciscobay/esl.htm>.

Revised Table E-5b

Post-2002 Data Set - Groundwater Results - VOCs - Tier-2

| Sample Location                            | AOC | Date Sampled | 1,1-Dichloroethane | 1,1-Dichloroethene (d) | Naphthalene (d) | tert-Butyl methyl ether (d) |
|--|-----|--------------|--------------------|------------------------|-----------------|-----------------------------|
| Airport Worker Tier-2 (a)                  |     |              | NS                 | 4800                   | 220             | 10000                       |
| Construction Worker Tier-2 (a)             |     |              | NS                 | 4800                   | 220             | 10000                       |
| Ecological Receptor Tier-2 (a) (DAF = 1)   |     |              | 47                 | 25                     | 24              | 8000                        |
| <b>Area of Concern 1</b>                   |     |              |                    |                        |                 |                             |
| Ecological Receptor Tier-2 (a) (DAF = 6.6) |     |              | 310                | 165                    | 158             | 52800                       |
| ERM-B-1                                    | 1   | 4/15/2003    | 39                 | 3                      | <1              | <0.5                        |
| ERM-B-2                                    | 1   | 4/15/2003    | 47                 | 3                      | <1              | <0.5                        |
| ERM-MW-01                                  | 1   | 5/9/2003     | 23                 | 2                      | 26              | <0.5                        |
| ERM-MW-01                                  | 1   | 11/6/2003    | 16                 | 1                      | 16              | <0.5                        |
| ERM-MW-01                                  | 1   | 6/27/2006    | 18                 | 2                      | <2              | <0.5                        |
| ERM-MW-01 (Dup)                            | 1   | 6/27/2006    | 18                 | 2                      | <2              | <0.5                        |
| ERM-MW-01D                                 | 1   | 5/9/2003     | 22                 | 2                      | 17              | <0.5                        |
| ERM-MW-02                                  | 1   | 5/9/2003     | 21                 | 3                      | <1              | <0.5                        |
| ERM-MW-02                                  | 1   | 11/6/2003    | 16                 | 3                      | <1              | <0.5                        |
| ERM-MW-02                                  | 1   | 6/27/2006    | 5.3                | <0.5                   | <2              | 0.9                         |
| ERM-MW-03                                  | 1   | 5/9/2003     | 6.8                | 1                      | <1              | <0.5                        |
| ERM-MW-03                                  | 1   | 11/6/2003    | 16                 | 2                      | <1              | <0.5                        |
| ERM-MW-03                                  | 1   | 6/27/2006    | 18                 | 1                      | <2              | <0.5                        |
| ERM-MW-03D                                 | 1   | 11/6/2003    | 16                 | 2                      | <1              | <0.5                        |
| ERM-MW-04                                  | 1   | 5/9/2003     | 12                 | <0.5                   | <1              | <0.5                        |
| ERM-MW-04                                  | 1   | 11/7/2003    | 33                 | <0.5                   | <1.2            | <1                          |
| ERM-MW-04                                  | 1   | 6/27/2006    | 15                 | 3                      | <2              | <0.5                        |
| ERM-MW-05                                  | 1   | 5/9/2003     | 52                 | 4                      | <1              | <0.5                        |
| ERM-MW-05                                  | 1   | 11/7/2003    | 36                 | 3                      | <1              | <0.5                        |
| ERM-MW-05                                  | 1   | 6/27/2006    | 10                 | 1                      | <2              | <0.5                        |
| ERM-MW-11                                  | 1   | 12/30/2003   | 7.4                | 1                      | <0.5            | <0.5                        |
| ERM-MW-11                                  | 1   | 6/27/2006    | 11                 | <0.5                   | <2              | <0.5                        |
| ERM-MW-12                                  | 1   | 12/29/2003   | <0.5               | <0.5                   | <0.5            | <0.5                        |
| ERM-MW-12                                  | 1   | 6/27/2006    | 0.5                | <0.5                   | <2              | <0.5                        |
| ERM-MW-13                                  | 1   | 12/29/2003   | 9.9                | <0.5                   | <0.5            | <0.5                        |
| ERM-MW-13                                  | 1   | 6/27/2006    | 15                 | <0.5                   | <2              | <0.5                        |
| ERM-MW-14                                  | 1   | 12/29/2003   | 9.4                | <0.5                   | <0.5            | <0.5                        |
| ERM-MW-14                                  | 1   | 6/27/2006    | 10                 | 0.8                    | <2              | <0.5                        |
| ERM-MW-14 (Dup)                            | 1   | 6/27/2006    | 9.7                | 0.7                    | <2              | <0.5                        |
| W-B-4                                      | 1   | 4/15/2003    | 16                 | 2.7                    | <1              | <0.5                        |
| W-B-5                                      | 1   | 4/15/2003    | 38                 | 4.4                    | <1              | <0.5                        |
| W-B-6                                      | 1   | 4/15/2003    | 33                 | 5                      | <1              | <0.5                        |
| <b>Area of Concern 2</b>                   |     |              |                    |                        |                 |                             |
| Ecological Receptor Tier-2 (a) (DAF = 3.5) |     |              | 165                | 88                     | 84              | 28000                       |
| ERM-B-3                                    | 2   | 4/15/2003    | <0.5               | <0.5                   | <1              | <0.5                        |
| ERM-B-4                                    | 2   | 4/15/2003    | <0.5               | <0.5                   | <1              | <0.5                        |
| ERM-B-5                                    | 2   | 4/15/2003    | <5                 | <5                     | 28              | <5                          |
| ERM-B-6                                    | 2   | 4/15/2003    | <5                 | <5                     | 36              | <5                          |
| ERM-B-7                                    | 2   | 4/15/2003    | <0.5               | <0.5                   | <1              | <0.5                        |

**Revised Table E-5b**  
**Post-2002 Data Set - Groundwater Results - VOCs - Tier-2**

| Sample Location                            | AOC | Date Sampled | 1,1-Dichloroethane | 1,1-Dichloroethene (d) | Naphthalene (d) | tert-Butyl methyl ether (d) |
|--|-----|--------------|--------------------|------------------------|-----------------|-----------------------------|
| Airport Worker Tier-2 (a)                  |     |              | NS                 | 4800                   | 220             | 10000                       |
| Construction Worker Tier-2 (a)             |     |              | NS                 | 4800                   | 220             | 10000                       |
| Ecological Receptor Tier-2 (a) (DAF = 1)   |     |              | 47                 | 25                     | 24              | 8000                        |
| ERM-MW-06                                  | 2   | 5/9/2003     | <0.5               | <0.5                   | <1              | <0.5                        |
| ERM-MW-06                                  | 2   | 11/6/2003    | <0.5               | <0.5                   | <0.5            | <0.5                        |
| ERM-MW-06                                  | 2   | 6/27/2006    | <0.5               | u                      | <2              | u                           |
| ERM-MW-07                                  | 2   | 5/9/2003     | <0.5               | <0.5                   | <1              | <0.5                        |
| ERM-MW-07                                  | 2   | 11/6/2003    | <0.5               | <0.5                   | <0.5            | <0.5                        |
| ERM-MW-07                                  | 2   | 6/26/2006    | <0.5               | <0.5                   | <2              | <0.5                        |
| ERM-MW-08                                  | 2   | 5/9/2003     | <0.5               | <0.5                   | <1              | <0.5                        |
| ERM-MW-08                                  | 2   | 11/6/2003    | <0.5               | <0.5                   | <0.5            | <0.5                        |
| ERM-MW-08                                  | 2   | 6/26/2006    | <2.5               | <2.5                   | <10             | <2.5                        |
| ERM-MW-09                                  | 2   | 5/9/2003     | <0.5               | <0.5                   | <b>29</b>       | <0.5                        |
| ERM-MW-09                                  | 2   | 11/6/2003    | <0.5               | <0.5                   | <b>9.8</b>      | <0.5                        |
| ERM-MW-09                                  | 2   | 6/26/2006    | <2.5               | <2.5                   | <b>30</b>       | <2.5                        |
| W-B-7                                      | 2   | 4/17/2003    | <0.5               | <0.5                   | <1              | <b>1.9</b>                  |
| W-B-8                                      | 2   | 4/14/2003    | q                  | q                      | q               | q                           |
| W-B-8 (c)                                  | 2   | 4/14/2003    | <0.5               | <0.5                   | <1              | <0.5                        |
| <b>Area of Concern 3</b>                   |     |              |                    |                        |                 |                             |
| Ecological Receptor Tier-2 (a) (DAF = 2.3) |     |              | 108                | 58                     | 55              | 18400                       |
| ERM-MW-10                                  | 3   | 5/9/2003     | <0.5               | <0.5                   | <1              | <0.5                        |
| ERM-MW-10                                  | 3   | 11/6/2003    | <0.5               | <0.5                   | <0.5            | <0.5                        |
| ERM-MW-10                                  | 3   | 6/26/2006    | <0.5               | <0.5                   | <2              | <0.5                        |
| W-B-10                                     | 3   | 4/15/2003    | <0.5               | <0.5                   | <1              | <0.5                        |
| W-B-11                                     | 3   | 4/15/2003    | <0.5               | <0.5                   | <1              | <0.5                        |
| W-B-12                                     | 3   | 4/15/2003    | <0.5               | <0.5                   | <1              | <0.5                        |
| <b>Area of Concern 4</b>                   |     |              |                    |                        |                 |                             |
| Ecological Receptor Tier-2 (a) (DAF = 6.2) |     |              | 291                | 155                    | 149             | 49600                       |
| ERM-B-8                                    | 4   | 4/16/2003    | NA                 | NA                     | NA              | <2                          |
| ERM-B-9                                    | 4   | 4/16/2003    | NA                 | NA                     | NA              | <2                          |
| <b>Area of Concern 5</b>                   |     |              |                    |                        |                 |                             |
| Ecological Receptor Tier-2 (a) (DAF = 6)   |     |              | 282                | 150                    | 144             | 48000                       |
| ERM-B-10                                   | 5   | 4/17/2003    | <b>0.61</b>        | <0.5                   | <1              | <b>110</b>                  |
| ERM-B-11                                   | 5   | 4/17/2003    | <b>1.6</b>         | <0.5                   | <1              | <b>73</b>                   |
| W-B-1                                      | 5   | 4/14/2003    | <2.5               | q                      | <2.5            | q                           |
| W-B-2                                      | 5   | 4/14/2003    | <0.5               | <0.5                   | <1              | <b>200</b>                  |
| W-B-2 (c)                                  | 5   | 4/14/2003    | <2.5               | <2.5                   | <2.5            | <b>160</b>                  |
| W-B-3                                      | 5   | 4/15/2003    | <0.5               | <0.5                   | <1              | <b>210</b>                  |
| W-B-3 (c)                                  | 5   | 4/15/2003    | <2.5               | <2.5                   | <2.5            | <b>150</b>                  |
| <b>Area of Concern 6</b>                   |     |              |                    |                        |                 |                             |
| Ecological Receptor Tier-2 (a) (DAF = 2.4) |     |              | 113                | 60                     | 58              | 19200                       |
| ERM-B-27                                   | 6   | 4/17/2003    | NA                 | NA                     | NA              | NA                          |



**Revised Table E-5b**  
**Post-2002 Data Set - Groundwater Results - VOCs - Tier-2**

| Sample Location                            | AOC | Date Sampled | 1,1-Dichloroethane | 1,1-Dichloroethene (d) | Naphthalene (d) | tert-Butyl methyl ether (d) |
|--|-----|--------------|--------------------|------------------------|-----------------|-----------------------------|
| Airport Worker Tier-2 (a)                  |     |              | NS                 | 4800                   | 220             | 10000                       |
| Construction Worker Tier-2 (a)             |     |              | NS                 | 4800                   | 220             | 10000                       |
| Ecological Receptor Tier-2 (a) (DAF = 1)   |     |              | 47                 | 25                     | 24              | 8000                        |
| <b>Area of Concern 7</b>                   |     |              |                    |                        |                 |                             |
| Ecological Receptor Tier-2 (a) (DAF = 4.2) |     |              | 197                | 105                    | 101             | 33600                       |
| ERM-MW-17                                  | 7   | 12/30/2003   | <b>3.7</b>         | <b>3.9</b>             | <0.5            | <0.5                        |
| ERM-MW-17                                  | 7   | 6/26/2006    | <b>23</b>          | <b>21</b>              | <2              | <0.5                        |
| ERM-MW-17D                                 | 7   | 12/30/2003   | <b>2.3</b>         | <b>2.3</b>             | <0.5            | <0.5                        |
| W-B-16                                     | 7   | 4/17/2003    | <b>0.75</b>        | <b>0.55</b>            | <1              | <0.5                        |
| W-B-16 (c)                                 | 7   | 4/17/2003    | <b>0.75</b>        | <b>0.56</b>            | <0.5            | <0.5                        |
| W-B-16D                                    | 7   | 4/17/2003    | <b>0.75</b>        | <b>0.59</b>            | <1              | <0.5                        |
| W-B-17                                     | 7   | 4/17/2003    | <b>54</b>          | <b>59</b>              | <1              | <0.5                        |
| W-B-17 (c)                                 | 7   | 4/17/2003    | <b>45</b>          | <b>53</b>              | <1.2            | <1.2                        |
| <b>Area of Concern 8</b>                   |     |              |                    |                        |                 |                             |
| Ecological Receptor Tier-2 (a) (DAF = 2.7) |     |              | 127                | 68                     | 65              | 21600                       |
| ERM-B-12                                   | 8   | 4/17/2003    | <0.5               | <0.5                   | <1              | <0.5                        |
| <b>Area of Concern 9</b>                   |     |              |                    |                        |                 |                             |
| Ecological Receptor Tier-2 (a) (DAF = 5.5) |     |              | 259                | 138                    | 132             | 44000                       |
| ERM-B-13                                   | 9   | 4/16/2003    | <0.5               | <0.5                   | <1              | <b>1.7</b>                  |
| ERM-B-14                                   | 9   | 4/17/2003    | <0.5               | <0.5                   | <1              | <0.5                        |
| ERM-B-14 (b)                               | 9   | 4/17/2003    | NA                 | NA                     | NA              | NA                          |
| ERM-B-14D                                  | 9   | 4/17/2003    | <0.5               | <0.5                   | <1              | <0.5                        |
| P-2/UAL-MW-05                              | 9   | 6/27/2006    | <b>0.6</b>         | <0.5                   | <2              | <b>2.5</b>                  |
| P-2/UAL-MW-5                               | 9   | 4/18/2003    | <0.5               | Q                      | <1              | Q <b>1.7</b> Q              |
| P-2/UAL-MW-5                               | 9   | 4/22/2003    | <0.5               | Q                      | <0.5            | Q <b>0.84</b> Q             |
| P-2/UAL-MW-5                               | 9   | 11/6/2003    | <0.5               | Q                      | <1              | Q <b>0.99</b> Q             |
| W-B-22                                     | 9   | 4/18/2003    | <b>0.8</b>         | <0.5                   | <1              | <0.5                        |
| W-B-22D                                    | 9   | 4/18/2003    | <b>0.8</b>         | <0.5                   | <1              | <0.5                        |
| <b>Area of Concern 11</b>                  |     |              |                    |                        |                 |                             |
| Ecological Receptor Tier-2 (a) (DAF = 4.8) |     |              | 226                | 120                    | 115             | 38400                       |
| ERM-B-16                                   | 11  | 4/16/2003    | NA                 | NA                     | NA              | NA                          |
| ERM-B-17                                   | 11  | 4/16/2003    | NA                 | NA                     | NA              | NA                          |
| ERM-B-18                                   | 11  | 4/16/2003    | NA                 | NA                     | NA              | NA                          |
| ERM-B-19                                   | 11  | 4/16/2003    | NA                 | NA                     | NA              | NA                          |
| <b>Area of Concern 12</b>                  |     |              |                    |                        |                 |                             |
| Ecological Receptor Tier-2 (a) (DAF = 6.4) |     |              | 301                | 160                    | 154             | 51200                       |
| ERM-B-20                                   | 12  | 4/17/2003    | NA                 | NA                     | NA              | NA                          |
| ERM-B-21                                   | 12  | 4/17/2003    | NA                 | NA                     | NA              | NA                          |
| <b>Area of Concern 14</b>                  |     |              |                    |                        |                 |                             |
| Ecological Receptor Tier-2 (a) (DAF = 1)   |     |              | 47                 | 25                     | 24              | 8000                        |
| ERM-B-23                                   | 14  | 4/17/2003    | <0.5               | <0.5                   | <1              | <0.5                        |
| W-B-32                                     | 14  | 4/16/2003    | <0.5               | <0.5                   | <1              | <0.5                        |
| W-B-38                                     | 14  | 4/15/2003    | <0.5               | <0.5                   | <1              | <0.5                        |
| W-B-38D                                    | 14  | 4/15/2003    | <0.5               | <0.5                   | <1              | <0.5                        |

Revised Table E-5b

Post-2002 Data Set - Groundwater Results - VOCs - Tier-2

| Sample Location                            | AOC | Date Sampled | 1,1-Dichloroethane | 1,1-Dichloroethene (d) | Naphthalene (d) | tert-Butyl methyl ether (d) |
|--|-----|--------------|--------------------|------------------------|-----------------|-----------------------------|
| Airport Worker Tier-2 (a)                  |     |              | NS                 | 4800                   | 220             | 10000                       |
| Construction Worker Tier-2 (a)             |     |              | NS                 | 4800                   | 220             | 10000                       |
| Ecological Receptor Tier-2 (a) (DAF = 1)   |     |              | 47                 | 25                     | 24              | 8000                        |
| <b>Area of Concern 15</b>                  |     |              |                    |                        |                 |                             |
| Ecological Receptor Tier-2 (a) (DAF = 1)   |     |              | 47                 | 25                     | 24              | 8000                        |
| ERM-B-24                                   | 15  | 4/15/2003    | NA                 | NA                     | NA              | NA                          |
| ERM-B-25                                   | 15  | 4/15/2003    | NA                 | NA                     | NA              | NA                          |
| ERM-B-26                                   | 15  | 4/16/2003    | NA                 | NA                     | NA              | NA                          |
| <b>Area of Concern 16</b>                  |     |              |                    |                        |                 |                             |
| Ecological Receptor Tier-2 (a) (DAF = 1)   |     |              | 47                 | 25                     | 24              | 8000                        |
| W-B-14                                     | 16  | 4/15/2003    | NA                 | NA                     | NA              | NA                          |
| <b>Area of Concern 17</b>                  |     |              |                    |                        |                 |                             |
| Ecological Receptor Tier-2 (a) (DAF = 5.5) |     |              | 259                | 138                    | 132             | 44000                       |
| P-1/UAL-MW-04                              | 17  | 6/27/2006    | 3                  | <0.5                   | <2              | 31                          |
| P-1/UAL-MW-4                               | 17  | 4/18/2003    | 1.3                | <0.5                   | <1              | 84                          |
| P-1/UAL-MW-4                               | 17  | 4/22/2003    | <1.2               | <1.2                   | <1.2            | 55                          |
| UAL-MW-01                                  | 17  | 6/27/2006    | <0.5               | <0.5                   | <2              | <0.5                        |
| UAL-MW-02                                  | 17  | 6/27/2006    | <0.5               | <0.5                   | <2              | <0.5                        |
| UAL-MW-03                                  | 17  | 6/27/2006    | 1.5                | <0.5                   | <2              | 7.6                         |
| UAL-MW-1                                   | 17  | 4/15/2003    | <0.5               | <0.5                   | <0.5            | 0.65                        |
| UAL-MW-1                                   | 17  | 4/18/2003    | <0.5               | <0.5                   | <1              | 2                           |
| UAL-MW-1                                   | 17  | 11/6/2003    | NA                 | NA                     | NA              | <0.5                        |
| UAL-MW-2                                   | 17  | 4/15/2003    | 2.1                | <0.5                   | <0.5            | 22                          |
| UAL-MW-2                                   | 17  | 4/18/2003    | 3.4                | <0.5                   | <1              | 38                          |
| UAL-MW-2                                   | 17  | 11/6/2003    | NA                 | NA                     | NA              | 21                          |
| UAL-MW-3                                   | 17  | 4/15/2003    | 3                  | <0.5                   | <0.5            | 43                          |
| UAL-MW-3                                   | 17  | 4/18/2003    | 4.9                | <0.5                   | <1              | 69                          |
| UAL-MW-3                                   | 17  | 11/7/2003    | 3.7                | <0.5                   | <1.2            | 41                          |
| <b>Area of Concern 18</b>                  |     |              |                    |                        |                 |                             |
| Ecological Receptor Tier-2 (a) (DAF = 7)   |     |              | 329                | 175                    | 168             | 56000                       |
| W-B-18                                     | 18  | 4/18/2003    | <0.5               | <0.5                   | <0.5            | <0.5                        |
| W-B-19                                     | 18  | 4/18/2003    | 0.59               | <0.5                   | <1              | <0.5                        |
| W-B-19 (c)                                 | 18  | 4/18/2003    | <0.5               | <0.5                   | <0.5            | <0.5                        |
| W-B-20                                     | 18  | 4/18/2003    | <0.5               | <0.5                   | <0.5            | <0.5                        |
| W-B-20D                                    | 18  | 4/18/2003    | <0.5               | <0.5                   | <0.5            | <0.5                        |
| W-B-9                                      | 18  | 4/18/2003    | <0.5               | <0.5                   | <1              | <0.5                        |
| W-B-9 (c)                                  | 18  | 4/18/2003    | <0.5               | <0.5                   | <0.5            | <0.5                        |
| <b>Area of Concern 19</b>                  |     |              |                    |                        |                 |                             |
| Ecological Receptor Tier-2 (a) (DAF = 1)   |     |              | 47                 | 25                     | 24              | 8000                        |
| W-B-25                                     | 19  | 4/16/2003    | <0.5               | <0.5                   | <1              | <0.5                        |
| W-B-29                                     | 19  | 4/16/2003    | <0.5               | <0.5                   | <1              | <0.5                        |

## Revised Table E-5b

### Post-2002 Data Set - Groundwater Results - VOC - Tier-2

#### Notes

Bolding indicates detected concentrations.

All units are in micrograms per liter (ug/L).

Only analytes that have at least one detection and have exceeded the Tier-1 screening level are shown.

< = analyte was not detected at or above the laboratory method detection limit

DAF = dilution attenuation factor

ESL = environmental screening level

NA = not analyzed

#### Qualifiers

J = The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

Q = Data not validated and there is a high uncertainty associated with the quality adequacy of the data.

UJ = The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

#### Footnotes

(a) Tier-2 airport and construction worker screening level value is based on commercial values in Table E-1 Environmental Screening Levels (ESLs) Groundwater Screening Levels, All sand (RWQCB, December 2013). Tier-2 Ecological receptor screening level value is based on estuarine values in Table F-4a Summary of Selected Aquatic Habitat Goals (RWQCB, December 2013) multiplied by a DAF specific to the approximate location of the AOC as listed in Table 1.

(b) Analyte analyzed by a second method.

(c) Analyzed by a second lab.

(d) Note that the Tier 2 screening level value for ecological receptors used in the original Table E-5b in the February 2014 Technical Memorandum was actually the Tier 1 value from Table F. The correct Tier 2 value from Table F-4a is used in this revised table.

#### References

RWQCB (San Francisco Bay Regional Water Quality Control Board), 2013. Screening For Environmental Concerns at Sites With Contaminated Soil and Groundwater November 2007, Updated December 2013. California EPA, <http://www.waterboards.ca.gov/sanfranciscobay/esl.htm>.

Table E-6a (URS Table 2-6a)

Post-2002 Data Set - Groundwater Results - Metals - Tier-1

| Sample Location                | AOC | Date Sampled | Antimony | Arsenic | Barium | Beryllium | Cadmium | Chromium | Cobalt | Copper | Iron | Lead | Manganese | Molybdenum | Nickel | Silver | Thallium | Zinc |
|--------------------------------|-----|--------------|----------|---------|--------|-----------|---------|----------|--------|--------|------|------|-----------|------------|--------|--------|----------|------|
|                                |     |              | IP       | IP      | IP     | IP        | IP      | IP       | IP     | IP     | IP   | IP   | IP        | IP         | IP     | IP     | IP       | IP   |
| Airport Worker Tier-1          |     |              | IP       | IP      | IP     | IP        | IP      | IP       | IP     | IP     | IP   | IP   | IP        | IP         | IP     | IP     | IP       | IP   |
| Construction Worker Tier-1     |     |              | IP       | IP      | IP     | IP        | IP      | IP       | IP     | IP     | IP   | IP   | IP        | IP         | IP     | IP     | IP       | IP   |
| Ecological Receptor Tier-1 (a) |     |              | 30       | 0.14    | 1000   | 0.53      | 0.25    | 180      | 3.0    | 3.1    | NS   | 2.5  | NS        | 240        | 8.2    | 0.19   | 4.0      | 81   |
| <b>Area of Concern 1</b>       |     |              |          |         |        |           |         |          |        |        |      |      |           |            |        |        |          |      |
| ERM-B-1                        | 1   | 4/15/2003    | <50      | <50     | 180    | <5        | <5      | <5       | 20     | <5     | NA   | <50  | NA        | <20        | 190    | <5     | <50      | 6.5  |
| ERM-B-2                        | 1   | 4/15/2003    | <50      | <50     | 600    | <5        | <5      | <5       | <20    | <5     | NA   | <50  | NA        | <20        | 130    | <5     | NA       | <5   |
| ERM-B-2 (b)                    | 1   | 4/15/2003    | NA       | NA      | NA     | NA        | NA      | NA       | NA     | NA     | NA   | NA   | NA        | NA         | NA     | NA     | NA       | NA   |
| ERM-MW-01                      | 1   | 5/9/2003     | NA       | NA      | NA     | NA        | NA      | NA       | NA     | NA     | NA   | NA   | NA        | NA         | 90     | NA     | NA       | NA   |
| ERM-MW-01                      | 1   | 11/6/2003    | NA       | NA      | NA     | NA        | NA      | NA       | NA     | NA     | 6600 | NA   | 790       | NA         | 190    | NA     | NA       | NA   |
| ERM-MW-01                      | 1   | 6/27/2006    | NA       | NA      | NA     | NA        | NA      | NA       | NA     | NA     | NA   | NA   | NA        | NA         | 71     | NA     | NA       | NA   |
| ERM-MW-02                      | 1   | 5/9/2003     | NA       | NA      | NA     | NA        | NA      | NA       | NA     | NA     | NA   | NA   | NA        | NA         | 36     | NA     | NA       | NA   |
| ERM-MW-02                      | 1   | 11/6/2003    | NA       | NA      | NA     | NA        | NA      | NA       | NA     | NA     | 940  | NA   | 1100      | NA         | 15     | NA     | NA       | NA   |
| ERM-MW-02                      | 1   | 6/27/2006    | NA       | NA      | NA     | NA        | NA      | NA       | NA     | NA     | NA   | NA   | NA        | NA         | 24     | NA     | NA       | NA   |
| ERM-MW-03                      | 1   | 5/9/2003     | NA       | NA      | NA     | NA        | NA      | NA       | NA     | NA     | NA   | NA   | NA        | NA         | <30    | NA     | NA       | NA   |
| ERM-MW-03                      | 1   | 11/6/2003    | NA       | NA      | NA     | NA        | NA      | NA       | NA     | NA     | NA   | NA   | NA        | NA         | 49     | NA     | NA       | NA   |
| ERM-MW-03                      | 1   | 6/27/2006    | NA       | NA      | NA     | NA        | NA      | NA       | NA     | NA     | NA   | NA   | NA        | NA         | 39     | NA     | NA       | NA   |
| ERM-MW-04                      | 1   | 5/9/2003     | NA       | NA      | NA     | NA        | NA      | NA       | NA     | NA     | NA   | NA   | NA        | NA         | 62     | NA     | NA       | NA   |
| ERM-MW-04                      | 1   | 11/7/2003    | NA       | NA      | NA     | NA        | NA      | NA       | NA     | NA     | NA   | NA   | NA        | NA         | 200    | NA     | NA       | NA   |
| ERM-MW-04                      | 1   | 6/27/2006    | NA       | NA      | NA     | NA        | NA      | NA       | NA     | NA     | NA   | NA   | NA        | NA         | 51     | NA     | NA       | NA   |
| ERM-MW-05                      | 1   | 5/9/2003     | NA       | NA      | NA     | NA        | NA      | NA       | NA     | NA     | NA   | NA   | NA        | NA         | <30    | NA     | NA       | NA   |
| ERM-MW-05                      | 1   | 11/7/2003    | NA       | NA      | NA     | NA        | NA      | NA       | NA     | NA     | 490  | NA   | 3600      | NA         | 45     | NA     | NA       | NA   |
| ERM-MW-05                      | 1   | 6/27/2006    | NA       | NA      | NA     | NA        | NA      | NA       | NA     | NA     | NA   | NA   | NA        | NA         | <20    | NA     | NA       | NA   |
| ERM-MW-11                      | 1   | 12/30/2003   | NA       | NA      | NA     | NA        | NA      | NA       | NA     | NA     | NA   | NA   | NA        | NA         | 14     | NA     | NA       | NA   |
| ERM-MW-11                      | 1   | 6/27/2006    | NA       | NA      | NA     | NA        | NA      | NA       | NA     | NA     | NA   | NA   | NA        | NA         | 97     | NA     | NA       | NA   |
| ERM-MW-12                      | 1   | 12/29/2003   | NA       | NA      | NA     | NA        | NA      | NA       | NA     | NA     | NA   | NA   | NA        | NA         | 10     | NA     | NA       | NA   |
| ERM-MW-12                      | 1   | 6/27/2006    | NA       | NA      | NA     | NA        | NA      | NA       | NA     | NA     | NA   | NA   | NA        | NA         | 22     | NA     | NA       | NA   |
| ERM-MW-13                      | 1   | 12/29/2003   | NA       | NA      | NA     | NA        | NA      | NA       | NA     | NA     | NA   | NA   | NA        | NA         | 160    | NA     | NA       | NA   |
| ERM-MW-13                      | 1   | 6/27/2006    | NA       | NA      | NA     | NA        | NA      | NA       | NA     | NA     | NA   | NA   | NA        | NA         | 370    | NA     | NA       | NA   |
| ERM-MW-14                      | 1   | 12/29/2003   | NA       | NA      | NA     | NA        | NA      | NA       | NA     | NA     | NA   | NA   | NA        | NA         | 590    | NA     | NA       | NA   |
| ERM-MW-14                      | 1   | 6/27/2006    | NA       | NA      | NA     | NA        | NA      | NA       | NA     | NA     | NA   | NA   | NA        | NA         | 68     | NA     | NA       | NA   |
| W-B-4                          | 1   | 4/15/2003    | <50      | <50     | 64     | <5        | <5      | <5       | <20    | <5     | NA   | <50  | NA        | <20        | <20    | <5     | NA       | <20  |
| W-B-5                          | 1   | 4/15/2003    | <50      | <50     | 210    | <5        | <5      | <5       | <20    | <5     | NA   | <50  | NA        | <20        | 64     | <5     | <50      | <20  |
| W-B-6                          | 1   | 4/15/2003    | <50      | <50     | 190    | <5        | <5      | <5       | <20    | <5     | NA   | <50  | NA        | <20        | 31     | <5     | <50      | <20  |
| <b>Area of Concern 2</b>       |     |              |          |         |        |           |         |          |        |        |      |      |           |            |        |        |          |      |
| ERM-B-3                        | 2   | 4/15/2003    | <50      | <50     | 290    | <5        | <5      | <5       | <20    | <5     | NA   | <50  | NA        | <20        | 120    | <5     | <50      | <5   |
| ERM-B-4                        | 2   | 4/15/2003    | <50      | <50     | 300    | <5        | <5      | <5       | <20    | <5     | NA   | <50  | NA        | <20        | 160    | <5     | <50      | <5   |
| ERM-B-5                        | 2   | 4/15/2003    | <50      | <50     | 160    | <5        | <5      | <5       | <20    | <5     | NA   | <50  | NA        | 51         | 230    | <5     | NA       | 6.6  |
| ERM-B-6                        | 2   | 4/15/2003    | <50      | <50     | 330    | <5        | <5      | <5       | <20    | <5     | NA   | <50  | NA        | 28         | 260    | <5     | NA       | <5   |
| ERM-B-7                        | 2   | 4/15/2003    | <50      | <50     | 130    | <5        | 5.6     | 7.5      | <20    | 5.4    | NA   | <50  | NA        | 120        | 92     | <5     | <50      | 14   |
| ERM-MW-06                      | 2   | 5/9/2003     | NA       | NA      | NA     | NA        | <5      | NA       | NA     | NA     | NA   | <50  | NA        | NA         | <30    | NA     | NA       | NA   |
| ERM-MW-06                      | 2   | 12/30/2003   | NA       | NA      | NA     | NA        | NA      | NA       | NA     | 17     | NA   | NA   | NA        | NA         | NA     | NA     | NA       | NA   |
| ERM-MW-06                      | 2   | 6/27/2006    | NA       | NA      | NA     | NA        | <5      | NA       | NA     | <10    | NA   | <3   | NA        | NA         | <20    | NA     | NA       | NA   |
| ERM-MW-07                      | 2   | 5/9/2003     | NA       | NA      | NA     | NA        | <5      | NA       | NA     | NA     | NA   | <50  | NA        | NA         | 84     | NA     | NA       | NA   |
| ERM-MW-07                      | 2   | 6/26/2006    | NA       | NA      | NA     | NA        | <5      | NA       | NA     | NA     | NA   | <3   | NA        | NA         | 23     | NA     | NA       | NA   |
| ERM-MW-08                      | 2   | 5/9/2003     | NA       | NA      | NA     | NA        | <5      | NA       | NA     | NA     | NA   | <50  | NA        | NA         | 110    | NA     | NA       | NA   |
| ERM-MW-08                      | 2   | 6/26/2006    | NA       | NA      | NA     | NA        | <5      | NA       | NA     | NA     | NA   | <3   | NA        | NA         | 250    | NA     | NA       | NA   |
| ERM-MW-09                      | 2   | 5/9/2003     | NA       | NA      | NA     | NA        | <5      | NA       | NA     | NA     | NA   | <50  | NA        | NA         | 230    | NA     | NA       | NA   |

Table E-6a (URS Table 2-6a)

Post-2002 Data Set - Groundwater Results - Metals - Tier-1

| Sample Location                | AOC | Date Sampled | Antimony | Arsenic | Barium | Beryllium | Cadmium | Chromium | Cobalt | Copper | Iron | Lead | Manganese | Molybdenum | Nickel | Silver | Thallium | Zinc |
|--------------------------------|-----|--------------|----------|---------|--------|-----------|---------|----------|--------|--------|------|------|-----------|------------|--------|--------|----------|------|
| Airport Worker Tier-1          |     |              | IP       | IP      | IP     | IP        | IP      | IP       | IP     | IP     | IP   | IP   | IP        | IP         | IP     | IP     | IP       | IP   |
| Construction Worker Tier-1     |     |              | IP       | IP      | IP     | IP        | IP      | IP       | IP     | IP     | IP   | IP   | IP        | IP         | IP     | IP     | IP       | IP   |
| Ecological Receptor Tier-1 (a) |     |              | 30       | 0.14    | 1000   | 0.53      | 0.25    | 180      | 3.0    | 3.1    | NS   | 2.5  | NS        | 240        | 8.2    | 0.19   | 4.0      | 81   |
| ERM-MW-09                      | 2   | 6/26/2006    | NA       | NA      | NA     | NA        | <5      | NA       | NA     | NA     | NA   | <3   | NA        | NA         | 140    | NA     | NA       | NA   |
| ERM-MW-15                      | 2   | 12/30/2003   | NA       | NA      | NA     | NA        | NA      | NA       | NA     | NA     | NA   | NA   | NA        | NA         | 6      | NA     | NA       | NA   |
| ERM-MW-15                      | 2   | 6/26/2006    | NA       | NA      | NA     | NA        | NA      | NA       | NA     | NA     | NA   | NA   | NA        | NA         | 110    | NA     | NA       | NA   |
| ERM-MW-16                      | 2   | 12/30/2003   | NA       | NA      | NA     | NA        | NA      | NA       | NA     | NA     | NA   | NA   | NA        | NA         | 13     | NA     | NA       | NA   |
| ERM-MW-16                      | 2   | 6/26/2006    | NA       | NA      | NA     | NA        | NA      | NA       | NA     | NA     | NA   | NA   | NA        | NA         | 48     | NA     | NA       | NA   |
| W-B-7                          | 2   | 4/17/2003    | <50      | <50     | 280    | <5        | <5      | <5       | <20    | <5     | NA   | <50  | NA        | <20        | <20    | <5     | <50      | <20  |
| W-B-8                          | 2   | 4/14/2003    | <50      | <50     | 370    | <5        | <5      | 47       | <20    | 48     | NA   | 1900 | NA        | <20        | 52     | <5     | NA       | 790  |
| W-B-8 (c)                      | 2   | 4/14/2003    | <60      | <500    | 440    | <4        | <5      | 52       | <50    | 94     | NA   | 960  | NA        | <50        | 100    | <10    | <50      | 140  |
| <b>Area of Concern 3</b>       |     |              |          |         |        |           |         |          |        |        |      |      |           |            |        |        |          |      |
| ERM-MW-10                      | 3   | 5/9/2003     | NA       | NA      | NA     | NA        | <5      | NA       | NA     | NA     | NA   | <50  | NA        | NA         | 82     | NA     | NA       | NA   |
| ERM-MW-10                      | 3   | 12/30/2003   | NA       | NA      | NA     | NA        | NA      | NA       | NA     | <5     | NA   | NA   | NA        | NA         | NA     | NA     | NA       | NA   |
| ERM-MW-10                      | 3   | 6/26/2006    | NA       | NA      | NA     | NA        | <5      | NA       | NA     | <10    | NA   | <3   | NA        | NA         | 26     | NA     | NA       | NA   |
| W-B-10                         | 3   | 4/15/2003    | <50      | <50     | 68     | <5        | <5      | <5       | <20    | <5     | NA   | <50  | NA        | <20        | <20    | <5     | <50      | <20  |
| W-B-11                         | 3   | 4/15/2003    | <50      | <50     | 86     | <5        | <5      | <5       | <20    | <5     | NA   | <50  | NA        | <20        | <20    | <5     | <50      | <20  |
| W-B-12                         | 3   | 4/15/2003    | <50      | <50     | <50    | <5        | 38      | <5       | <20    | 220    | NA   | <50  | NA        | 85         | 63     | <5     | <50      | 36   |
| <b>Area of Concern 5</b>       |     |              |          |         |        |           |         |          |        |        |      |      |           |            |        |        |          |      |
| ERM-B-10                       | 5   | 4/17/2003    | 74       | <50     | 100    | 8.6       | <5      | <5       | <20    | <5     | NA   | <50  | NA        | <20        | <20    | <5     | <50      | <20  |
| ERM-B-11                       | 5   | 4/17/2003    | <50      | <50     | 76     | <5        | <5      | <5       | <20    | <5     | NA   | <50  | NA        | <20        | <20    | <5     | NA       | <20  |
| W-B-1                          | 5   | 4/14/2003    | <60      | <5      | 70     | <4        | <5      | <20      | <50    | <50    | NA   | <50  | NA        | <50        | <50    | <10    | <50      | <50  |
| W-B-2                          | 5   | 4/14/2003    | <50      | <50     | 54     | <5        | <5      | <5       | <20    | <5     | NA   | <50  | NA        | <20        | <20    | <5     | <50      | <20  |
| W-B-2 (c)                      | 5   | 4/14/2003    | <60      | <5      | <50    | <4        | <5      | <20      | <50    | <50    | NA   | <50  | NA        | <50        | <50    | <10    | <50      | <50  |
| W-B-3                          | 5   | 4/15/2003    | 55       | <50     | 120    | 6.1       | <5      | <5       | <20    | <5     | NA   | <50  | NA        | <20        | <20    | <5     | <50      | 6.3  |
| W-B-3 (c)                      | 5   | 4/15/2003    | <60      | <5      | 83     | <4        | <5      | 40       | <50    | <50    | NA   | <50  | NA        | <50        | 60     | <10    | <50      | <50  |
| <b>Area of Concern 7</b>       |     |              |          |         |        |           |         |          |        |        |      |      |           |            |        |        |          |      |
| ERM-MW-17                      | 7   | 12/30/2003   | NA       | <5      | NA     | NA        | NA      | NA       | NA     | NA     | NA   | NA   | NA        | NA         | NA     | NA     | NA       | NA   |
| ERM-MW-17                      | 7   | 6/26/2006    | NA       | 8       | NA     | NA        | NA      | NA       | NA     | NA     | NA   | NA   | NA        | NA         | NA     | NA     | NA       | NA   |
| ERM-MW-17D                     | 7   | 12/30/2003   | NA       | <5      | NA     | NA        | NA      | NA       | NA     | NA     | NA   | NA   | NA        | NA         | NA     | NA     | NA       | NA   |
| W-B-16                         | 7   | 4/17/2003    | <50      | <50     | <50    | <5        | <5      | <5       | <20    | <5     | NA   | <50  | NA        | 22         | 54     | <5     | <50      | <20  |
| W-B-16 (c)                     | 7   | 4/17/2003    | <60      | 5.5     | <50    | <4        | <5      | <20      | <50    | <50    | NA   | <50  | NA        | 130        | 54     | <10    | <50      | <50  |
| W-B-17                         | 7   | 4/17/2003    | <50      | <50     | <50    | <5        | <5      | <5       | <20    | <5     | NA   | <50  | NA        | <20        | <20    | <5     | <50      | <20  |
| W-B-17 (c)                     | 7   | 4/17/2003    | <6       | 12      | <50    | <4        | <5      | <20      | <50    | <50    | NA   | <50  | NA        | <50        | <50    | <10    | <5       | <50  |
| <b>Area of Concern 8</b>       |     |              |          |         |        |           |         |          |        |        |      |      |           |            |        |        |          |      |
| ERM-B-12                       | 8   | 4/17/2003    | <50      | <50     | 240    | <5        | <5      | <5       | <20    | <5     | NA   | <50  | NA        | 31         | 63     | <5     | <50      | <20  |
| <b>Area of Concern 9</b>       |     |              |          |         |        |           |         |          |        |        |      |      |           |            |        |        |          |      |
| ERM-B-13                       | 9   | 4/16/2003    | <50      | <50     | 58     | 5.9       | <5      | <5       | <20    | <5     | NA   | 57   | NA        | 28         | <20    | 5.8    | <50      | 17   |
| ERM-B-14                       | 9   | 4/17/2003    | <50      | <50     | 58     | <5        | <5      | <5       | <20    | <5     | NA   | <50  | NA        | <20        | <20    | <5     | 65       | <20  |
| P-2/UAL-MW-05                  | 9   | 6/27/2006    | NA       | NA      | NA     | NA        | NA      | NA       | NA     | NA     | NA   | NA   | NA        | NA         | <20    | NA     | NA       | NA   |
| P-2/UAL-MW-5                   | 9   | 4/22/2003    | <60      | <500    | 53     | <4        | <5      | <20      | <50    | <50    | NA   | <50  | NA        | <50        | <50    | <10    | <50      | <50  |
| P-2/UAL-MW-5                   | 9   | 11/6/2003    | NA       | NA      | NA     | NA        | NA      | NA       | NA     | NA     | 590  | NA   | 1300      | NA         | <5     | NA     | NA       | NA   |
| W-B-22                         | 9   | 4/18/2003    | <50      | <50     | <50    | <5        | <5      | <5       | <20    | <5     | NA   | <50  | NA        | <20        | <20    | <5     | <50      | 9.9  |

**Table E-6a (URS Table 2-6a)**  
**Post-2002 Data Set - Groundwater Results - Metals - Tier-1**

| Sample Location                | AOC | Date Sampled | Antimony | Arsenic | Barium | Beryllium | Cadmium | Chromium | Cobalt | Copper | Iron | Lead | Manganese | Molybdenum | Nickel | Silver | Thallium | Zinc |
|--------------------------------|-----|--------------|----------|---------|--------|-----------|---------|----------|--------|--------|------|------|-----------|------------|--------|--------|----------|------|
| Airport Worker Tier-1          | IP  | IP           | IP       | IP      | IP     | IP        | IP      | IP       | IP     | IP     | IP   | IP   | IP        | IP         | IP     | IP     | IP       | IP   |
| Construction Worker Tier-1     | IP  | IP           | IP       | IP      | IP     | IP        | IP      | IP       | IP     | IP     | IP   | IP   | IP        | IP         | IP     | IP     | IP       | IP   |
| Ecological Receptor Tier-1 (a) | 30  | 0.14         | 1000     | 0.53    | 0.25   | 180       | 3.0     | 3.1      | NS     | 2.5    | NS   | 240  | 8.2       | 0.19       | 4.0    | 81     |          |      |
| <b>Area of Concern 14</b>      |     |              |          |         |        |           |         |          |        |        |      |      |           |            |        |        |          |      |
| ERM-B-23                       | 14  | 4/17/2003    | <50      | <50     | 77     | <5        | <5      | <5       | <20    | <5     | NA   | <50  | NA        | <20        | <20    | <5     | <50      | <20  |
| W-B-32                         | 14  | 4/16/2003    | <50      | <50     | 120    | 5.8       | <5      | <5       | <20    | 5.6    | NA   | 50   | NA        | <20        | <20    | <5     | NA       | 21   |
| W-B-38                         | 14  | 4/15/2003    | <50      | <50     | <50    | <5        | <5      | <5       | <20    | <5     | NA   | <50  | NA        | <20        | <20    | <5     | <50      | <20  |
| <b>Area of Concern 17</b>      |     |              |          |         |        |           |         |          |        |        |      |      |           |            |        |        |          |      |
| P-1/UAL-MW-4                   | 17  | 4/22/2003    | <60      | 847     | 180    | <4        | <5      | <20      | <50    | <50    | NA   | <50  | NA        | <50        | <50    | <10    | <50      | <50  |
| UAL-MW-01                      | 17  | 6/27/2006    | <60      | 42      | NA     | <2        | NA      | NA       | NA     | NA     | NA   | NA   | NA        | NA         | NA     | NA     | NA       | NA   |
| UAL-MW-02                      | 17  | 6/27/2006    | <60      | <5      | NA     | <2        | NA      | NA       | NA     | NA     | NA   | NA   | NA        | NA         | NA     | NA     | NA       | NA   |
| UAL-MW-03                      | 17  | 6/27/2006    | <60      | 12      | NA     | <2        | NA      | NA       | NA     | NA     | NA   | NA   | NA        | NA         | NA     | NA     | NA       | NA   |
| UAL-MW-1                       | 17  | 4/15/2003    | <60      | 8       | 150    | <4        | <5      | <20      | <50    | <50    | NA   | <50  | NA        | <50        | <50    | <10    | <50      | <50  |
| UAL-MW-2                       | 17  | 4/15/2003    | <60      | <5      | 100    | <4        | <5      | <20      | <50    | <50    | NA   | <50  | NA        | <50        | <50    | <10    | <50      | <50  |
| UAL-MW-3                       | 17  | 4/15/2003    | <60      | <5      | <50    | <4        | <5      | <20      | <50    | <50    | NA   | <50  | NA        | <50        | 100    | <10    | <50      | <50  |
| <b>Area of Concern 18</b>      |     |              |          |         |        |           |         |          |        |        |      |      |           |            |        |        |          |      |
| W-B-18                         | 18  | 4/18/2003    | <60      | <50     | 570    | <4        | <5      | <20      | <50    | <50    | NA   | <50  | NA        | <50        | <50    | <10    | <50      | <50  |
| W-B-19                         | 18  | 4/18/2003    | <60      | <50     | <5     | <0.4      | <0.5    | <2       | <5     | <5     | NA   | <50  | NA        | <5         | <5     | <1     | <50      | <5   |
| W-B-20                         | 18  | 4/18/2003    | <60      | <50     | 99     | <0.4      | <0.5    | <2       | <5     | <5     | NA   | <50  | NA        | <5         | <5     | <1     | <50      | <5   |
| W-B-20D                        | 18  | 4/18/2003    | <600     | <500    | 130    | <0.4      | <0.5    | <2       | <5     | <5     | NA   | <5   | NA        | <50        | <5     | <1     | <500     | <5   |
| W-B-9                          | 18  | 4/18/2003    | <60      | <50     | 120    | <0.4      | <0.5    | <2       | <5     | <5     | NA   | <50  | NA        | <5         | <5     | <1     | <50      | <5   |
| <b>Area of Concern 19</b>      |     |              |          |         |        |           |         |          |        |        |      |      |           |            |        |        |          |      |
| W-B-25                         | 19  | 4/16/2003    | <50      | <50     | <50    | <5        | <5      | <5       | <20    | <5     | NA   | <50  | NA        | <20        | <20    | <5     | <50      | 8.1  |
| W-B-29                         | 19  | 4/16/2003    | <50      | <50     | 120    | <5        | <5      | <5       | <20    | <5     | NA   | <50  | NA        | <20        | <20    | <5     | <50      | 5    |

**Notes**

Yellow highlighting indicates an exceedance of the selected ESL.  
 Bolding indicates detected concentrations.  
 All units are in micrograms per liter (ug/L).  
 Only analytes that have at least one detection are shown.  
 < = analyte was not detected at or above the laboratory method detection limit  
 ESL = environmental screening level  
 IP =incomplete pathway  
 NA = not analyzed

**Qualifiers**

J = The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.  
 Q = Data not validated and there is a high uncertainty associated with the quality adequacy of the data.  
 UJ = The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

**Footnotes**

(a) Tier-1 ecological receptor screening level value is based on estuarine values in Table F Environmental Screening Levels (ESLs) Surface Water Bodies (RWQCB December 2013).  
 (b) Analyte analyzed by a second method.  
 (c) Analyzed by a second lab.

**References**

RWQCB (San Francisco Bay Regional Water Quality Control Board) 2013. Screening For Environmental Concerns at Sites With Contaminated Soil and Groundwater November 2007, Updated December 2013. California EPA, <http://www.waterboards.ca.gov/sanfranciscobay/esl.htm>.

Revised Table E-6b  
 Post-2002 Data Set - Groundwater Results - Metals - Tier-2

| Sample Location                            | AOC | Date Sampled | Antimony | Arsenic (d) | Beryllium | Cadmium | Cobalt | Copper | Lead | Nickel | Silver | Thallium | Zinc |
|--|-----|--------------|----------|-------------|-----------|---------|--------|--------|------|--------|--------|----------|------|
| Airport Worker Tier-2                      |     |              | IP       | IP          | IP        | IP      | IP     | IP     | IP   | IP     | IP     | IP       | IP   |
| Construction Worker Tier-2                 |     |              | IP       | IP          | IP        | IP      | IP     | IP     | IP   | IP     | IP     | IP       | IP   |
| Ecological Receptor Tier-2 (a) (DAF = 1)   |     |              | 30       | 36          | 0.53      | 0.25    | 3.0    | 3.1    | 2.5  | 8.2    | 0.19   | 4.0      | 81   |
| <b>Area of Concern 1</b>                   |     |              |          |             |           |         |        |        |      |        |        |          |      |
| Ecological Receptor Tier-2 (a) (DAF = 6.6) |     |              | 198      | 238         | 3.5       | 1.7     | 20     | 20     | 17   | 54     | 1.3    | 26       | 535  |
| ERM-B-1                                    | 1   | 4/15/2003    | <50      | <50         | <5        | <5      | 20     | <5     | <50  | 190    | <5     | <50      | 6.5  |
| ERM-B-2                                    | 1   | 4/15/2003    | <50      | <50         | <5        | <5      | <20    | <5     | <50  | 130    | <5     | NA       | <5   |
| ERM-B-2 (b)                                | 1   | 4/15/2003    | NA       | NA          | NA        | NA      | NA     | NA     | NA   | NA     | NA     | <5       | NA   |
| ERM-MW-01                                  | 1   | 5/9/2003     | NA       | NA          | NA        | NA      | NA     | NA     | NA   | 90     | NA     | NA       | NA   |
| ERM-MW-01                                  | 1   | 11/6/2003    | NA       | NA          | NA        | NA      | NA     | NA     | NA   | 190    | NA     | NA       | NA   |
| ERM-MW-01                                  | 1   | 6/27/2006    | NA       | NA          | NA        | NA      | NA     | NA     | NA   | 71     | NA     | NA       | NA   |
| ERM-MW-02                                  | 1   | 5/9/2003     | NA       | NA          | NA        | NA      | NA     | NA     | NA   | 36     | NA     | NA       | NA   |
| ERM-MW-02                                  | 1   | 11/6/2003    | NA       | NA          | NA        | NA      | NA     | NA     | NA   | 15     | NA     | NA       | NA   |
| ERM-MW-02                                  | 1   | 6/27/2006    | NA       | NA          | NA        | NA      | NA     | NA     | NA   | 24     | NA     | NA       | NA   |
| ERM-MW-03                                  | 1   | 5/9/2003     | NA       | NA          | NA        | NA      | NA     | NA     | NA   | <30    | NA     | NA       | NA   |
| ERM-MW-03                                  | 1   | 11/6/2003    | NA       | NA          | NA        | NA      | NA     | NA     | NA   | 49     | NA     | NA       | NA   |
| ERM-MW-03                                  | 1   | 6/27/2006    | NA       | NA          | NA        | NA      | NA     | NA     | NA   | 39     | NA     | NA       | NA   |
| ERM-MW-04                                  | 1   | 5/9/2003     | NA       | NA          | NA        | NA      | NA     | NA     | NA   | 62     | NA     | NA       | NA   |
| ERM-MW-04                                  | 1   | 11/7/2003    | NA       | NA          | NA        | NA      | NA     | NA     | NA   | 200    | NA     | NA       | NA   |
| ERM-MW-04                                  | 1   | 6/27/2006    | NA       | NA          | NA        | NA      | NA     | NA     | NA   | 51     | NA     | NA       | NA   |
| ERM-MW-05                                  | 1   | 5/9/2003     | NA       | NA          | NA        | NA      | NA     | NA     | NA   | <30    | NA     | NA       | NA   |
| ERM-MW-05                                  | 1   | 11/7/2003    | NA       | NA          | NA        | NA      | NA     | NA     | NA   | 45     | NA     | NA       | NA   |
| ERM-MW-05                                  | 1   | 6/27/2006    | NA       | NA          | NA        | NA      | NA     | NA     | NA   | <20    | NA     | NA       | NA   |
| ERM-MW-11                                  | 1   | 12/30/2003   | NA       | NA          | NA        | NA      | NA     | NA     | NA   | 14     | NA     | NA       | NA   |
| ERM-MW-11                                  | 1   | 6/27/2006    | NA       | NA          | NA        | NA      | NA     | NA     | NA   | 97     | NA     | NA       | NA   |
| ERM-MW-12                                  | 1   | 12/29/2003   | NA       | NA          | NA        | NA      | NA     | NA     | NA   | 10     | NA     | NA       | NA   |
| ERM-MW-12                                  | 1   | 6/27/2006    | NA       | NA          | NA        | NA      | NA     | NA     | NA   | 22     | NA     | NA       | NA   |
| ERM-MW-13                                  | 1   | 12/29/2003   | NA       | NA          | NA        | NA      | NA     | NA     | NA   | 160    | NA     | NA       | NA   |
| ERM-MW-13                                  | 1   | 6/27/2006    | NA       | NA          | NA        | NA      | NA     | NA     | NA   | 370    | NA     | NA       | NA   |
| ERM-MW-14                                  | 1   | 12/29/2003   | NA       | NA          | NA        | NA      | NA     | NA     | NA   | 590    | NA     | NA       | NA   |
| ERM-MW-14                                  | 1   | 6/27/2006    | NA       | NA          | NA        | NA      | NA     | NA     | NA   | 68     | NA     | NA       | NA   |
| W-B-4                                      | 1   | 4/15/2003    | <50      | <50         | <5        | <5      | <20    | <5     | <50  | <20    | <5     | NA       | <20  |
| W-B-5                                      | 1   | 4/15/2003    | <50      | <50         | <5        | <5      | <20    | <5     | <50  | 64     | <5     | <50      | <20  |
| W-B-6                                      | 1   | 4/15/2003    | <50      | <50         | <5        | <5      | <20    | <5     | <50  | 31     | <5     | <50      | <20  |

Revised Table E-6b  
 Post-2002 Data Set - Groundwater Results - Metals - Tier-2

| Sample Location                            | AOC | Date Sampled | Antimony | Arsenic (d) | Beryllium | Cadmium | Cobalt | Copper | Lead | Nickel | Silver | Thallium | Zinc |     |
|--|-----|--------------|----------|-------------|-----------|---------|--------|--------|------|--------|--------|----------|------|-----|
| Airport Worker Tier-2                      |     |              | IP       | IP          | IP        | IP      | IP     | IP     | IP   | IP     | IP     | IP       | IP   |     |
| Construction Worker Tier-2                 |     |              | IP       | IP          | IP        | IP      | IP     | IP     | IP   | IP     | IP     | IP       | IP   |     |
| Ecological Receptor Tier-2 (a) (DAF = 1)   |     |              | 30       | 36          | 0.53      | 0.25    | 3.0    | 3.1    | 2.5  | 8.2    | 0.19   | 4.0      | 81   |     |
| <b>Area of Concern 2</b>                   |     |              |          |             |           |         |        |        |      |        |        |          |      |     |
| Ecological Receptor Tier-2 (a) (DAF = 3.5) |     |              | 105      | 126         | 1.9       | 0.88    | 11     | 11     | 8.8  | 29     | 0.67   | 14       | 284  |     |
| ERM-B-3                                    | 2   | 4/15/2003    | <50      | U           | <50       | U       | <5     | <20    | U    | <5     | U      | <50      | U    | <5  |
| ERM-B-4                                    | 2   | 4/15/2003    | <50      | U           | <50       | U       | <5     | <20    | U    | <5     | U      | <50      | U    | <5  |
| ERM-B-5                                    | 2   | 4/15/2003    | <50      | U           | <50       | U       | <5     | <20    | U    | <5     | U      | <50      | U    | 6.6 |
| ERM-B-6                                    | 2   | 4/15/2003    | <50      | U           | <50       | U       | <5     | <20    | U    | <5     | U      | <50      | U    | <5  |
| ERM-B-7                                    | 2   | 4/15/2003    | <50      | U           | <50       | U       | 5.6    | <20    | U    | 5.4    | U      | <50      | U    | 14  |
| ERM-MW-06                                  | 2   | 5/9/2003     | NA       |             | NA        |         | <5     | NA     |      | NA     |        | NA       |      | NA  |
| ERM-MW-06                                  | 2   | 12/30/2003   | NA       |             | NA        |         | NA     | 17     |      | NA     |        | NA       |      | NA  |
| ERM-MW-06                                  | 2   | 6/27/2006    | NA       |             | NA        |         | <5     | NA     | <10  | <3     |        | NA       |      | NA  |
| ERM-MW-07                                  | 2   | 5/9/2003     | NA       |             | NA        |         | <5     | NA     | NA   | <50    |        | 84       |      | NA  |
| ERM-MW-07                                  | 2   | 6/26/2006    | NA       |             | NA        |         | <5     | NA     | NA   | <3     |        | 23       |      | NA  |
| ERM-MW-08                                  | 2   | 5/9/2003     | NA       |             | NA        |         | <5     | NA     | NA   | <50    |        | 110      |      | NA  |
| ERM-MW-08                                  | 2   | 6/26/2006    | NA       |             | NA        |         | <5     | NA     | NA   | <3     |        | 250      |      | NA  |
| ERM-MW-09                                  | 2   | 5/9/2003     | NA       |             | NA        |         | <5     | NA     | NA   | <50    |        | 230      |      | NA  |
| ERM-MW-09                                  | 2   | 6/26/2006    | NA       |             | NA        |         | <5     | NA     | NA   | <3     |        | 140      |      | NA  |
| ERM-MW-15                                  | 2   | 12/30/2003   | NA       |             | NA        |         | NA     | NA     | NA   | NA     |        | 6        |      | NA  |
| ERM-MW-15                                  | 2   | 6/26/2006    | NA       |             | NA        |         | NA     | NA     | NA   | NA     |        | 110      |      | NA  |
| ERM-MW-16                                  | 2   | 12/30/2003   | NA       |             | NA        |         | NA     | NA     | NA   | NA     |        | 13       |      | NA  |
| ERM-MW-16                                  | 2   | 6/26/2006    | NA       |             | NA        |         | NA     | NA     | NA   | NA     |        | 48       |      | NA  |
| W-B-7                                      | 2   | 4/17/2003    | <50      | U           | <50       | U       | <5     | <20    | U    | <5     | U      | <50      | U    | <20 |
| W-B-8                                      | 2   | 4/14/2003    | <50      | U           | <50       | U       | <5     | <20    | U    | 48     | U      | 1900     | U    | 52  |
| W-B-8 (c)                                  | 2   | 4/14/2003    | <60      |             | <500      |         | <4     | <5     | <50  | 94     |        | 960      |      | 100 |
| <b>Area of Concern 3</b>                   |     |              |          |             |           |         |        |        |      |        |        |          |      |     |
| Ecological Receptor Tier-2 (a) (DAF = 2.3) |     |              | 69       | 83          | 1.2       | 0.58    | 6.9    | 7.1    | 5.8  | 19     | 0.44   | 9.2      | 186  |     |
| ERM-MW-10                                  | 3   | 5/9/2003     | NA       |             | NA        |         | <5     | NA     | NA   | <50    |        | 82       |      | NA  |
| ERM-MW-10                                  | 3   | 12/30/2003   | NA       |             | NA        |         | NA     | NA     | <5   | NA     |        | NA       |      | NA  |
| ERM-MW-10                                  | 3   | 6/26/2006    | NA       |             | NA        |         | <5     | NA     | <10  | <3     |        | 26       |      | NA  |
| W-B-10                                     | 3   | 4/15/2003    | <50      | U           | <50       | U       | <5     | <20    | U    | <5     | U      | <50      | U    | <20 |
| W-B-11                                     | 3   | 4/15/2003    | <50      | U           | <50       | U       | <5     | <20    | U    | <5     | U      | <50      | U    | <20 |
| W-B-12                                     | 3   | 4/15/2003    | <50      | U           | <50       | U       | <5     | <20    | U    | 220    | U      | <50      | U    | 63  |
| <b>Area of Concern 5</b>                   |     |              |          |             |           |         |        |        |      |        |        |          |      |     |
| Ecological Receptor Tier-2 (a) (DAF = 6)   |     |              | 180      | 216         | 3.2       | 1.5     | 18     | 19     | 15   | 49     | 1.1    | 24       | 486  |     |
| ERM-B-10                                   | 5   | 4/17/2003    | 74       | U           | <50       | U       | 8.6    | <5     | <20  | U      | U      | <50      | U    | <20 |
| ERM-B-11                                   | 5   | 4/17/2003    | <50      | U           | <50       | U       | <5     | <20    | U    | <5     | U      | <50      | U    | <20 |
| W-B-1                                      | 5   | 4/14/2003    | <60      | Q           | <5        | Q       | <4     | <5     | Q    | <50    | Q      | <50      | Q    | <50 |
| W-B-2                                      | 5   | 4/14/2003    | <50      | U           | <50       | U       | <5     | <20    | U    | <5     | U      | <50      | U    | <20 |
| W-B-2 (c)                                  | 5   | 4/14/2003    | <60      |             | <5        |         | <4     | <5     | <50  | <50    |        | <10      | <50  | <50 |
| W-B-3                                      | 5   | 4/15/2003    | 55       | U           | <50       | U       | 6.1    | <5     | <20  | U      | U      | <50      | U    | 6.3 |
| W-B-3 (c)                                  | 5   | 4/15/2003    | <60      |             | <5        |         | <4     | <5     | <50  | <50    |        | <10      | <50  | <50 |



Revised Table E-6b  
 Post-2002 Data Set - Groundwater Results - Metals - Tier-2

| Sample Location                            | AOC | Date Sampled | Antimony | Arsenic (d) | Beryllium  | Cadmium | Cobalt     | Copper | Lead | Nickel | Silver | Thallium | Zinc |
|--|-----|--------------|----------|-------------|------------|---------|------------|--------|------|--------|--------|----------|------|
| Airport Worker Tier-2                      |     |              | IP       | IP          | IP         | IP      | IP         | IP     | IP   | IP     | IP     | IP       | IP   |
| Construction Worker Tier-2                 |     |              | IP       | IP          | IP         | IP      | IP         | IP     | IP   | IP     | IP     | IP       | IP   |
| Ecological Receptor Tier-2 (a) (DAF = 1)   |     |              | 30       | 36          | 0.53       | 0.25    | 3.0        | 3.1    | 2.5  | 8.2    | 0.19   | 4.0      | 81   |
| <b>Area of Concern 7</b>                   |     |              |          |             |            |         |            |        |      |        |        |          |      |
| Ecological Receptor Tier-2 (a) (DAF = 4.2) |     |              | 126      | 151         | 2.2        | 1.1     | 13         | 13     | 11   | 34     | 0.80   | 17       | 340  |
| ERM-MW-17                                  | 7   | 12/30/2003   | NA       | <5          | NA         | NA      | NA         | NA     | NA   | NA     | NA     | NA       | NA   |
| ERM-MW-17                                  | 7   | 6/26/2006    | NA       | <b>8</b>    | NA         | NA      | NA         | NA     | NA   | NA     | NA     | NA       | NA   |
| ERM-MW-17D                                 | 7   | 12/30/2003   | NA       | <5          | NA         | NA      | NA         | NA     | NA   | NA     | NA     | NA       | NA   |
| W-B-16                                     | 7   | 4/17/2003    | <50      | u           | <50        | u       | <5         | <20    | u    | <5     | u      | <50      | u    |
| W-B-16 (c)                                 | 7   | 4/17/2003    | <60      |             | <b>5.5</b> |         | <4         | <50    |      | <50    |        | <10      | <50  |
| W-B-17                                     | 7   | 4/17/2003    | <50      | u           | <50        | u       | <5         | <20    | u    | <5     | u      | <50      | u    |
| W-B-17 (c)                                 | 7   | 4/17/2003    | <6       |             | <b>12</b>  |         | <4         | <50    |      | <50    |        | <10      | <50  |
| <b>Area of Concern 8</b>                   |     |              |          |             |            |         |            |        |      |        |        |          |      |
| Ecological Receptor Tier-2 (a) (DAF = 2.7) |     |              | 81       | 97          | 1.4        | 0.68    | 8.1        | 8.4    | 6.8  | 22     | 0.51   | 11       | 219  |
| ERM-B-12                                   | 8   | 4/17/2003    | <50      | u           | <50        | u       | <5         | <20    | u    | <5     | u      | <50      | u    |
| <b>Area of Concern 9</b>                   |     |              |          |             |            |         |            |        |      |        |        |          |      |
| Ecological Receptor Tier-2 (a) (DAF = 5.5) |     |              | 165      | 198         | 2.9        | 1.4     | 17         | 17     | 14   | 45     | 1.0    | 22       | 446  |
| ERM-B-13                                   | 9   | 4/16/2003    | <50      | u           | <50        |         | <b>5.9</b> | u      | <5   | <20    | u      | <5       | u    |
| ERM-B-14                                   | 9   | 4/17/2003    | <50      | u           | <50        |         | <5         | <20    | u    | <5     | u      | <50      | u    |
| P-2/UAL-MW-05                              | 9   | 6/27/2006    | NA       |             | NA         | NA      | NA         | NA     | NA   | NA     | NA     | NA       | NA   |
| P-2/UAL-MW-5                               | 9   | 4/22/2003    | <60      | q           | <500       | q       | <4         | q      | <5   | q      | <50    | q        | <50  |
| P-2/UAL-MW-5                               | 9   | 11/6/2003    | NA       |             | NA         | NA      | NA         | NA     | NA   | NA     | NA     | NA       | NA   |
| W-B-22                                     | 9   | 4/18/2003    | <50      | u           | <50        | u       | <5         | <20    | u    | <5     | u      | <50      | u    |
| <b>Area of Concern 14</b>                  |     |              |          |             |            |         |            |        |      |        |        |          |      |
| Ecological Receptor Tier-2 (a) (DAF = 1)   |     |              | 30       | 36          | 0.53       | 0.25    | 3.0        | 3.1    | 2.5  | 8.2    | 0.19   | 4.0      | 81   |
| ERM-B-23                                   | 14  | 4/17/2003    | <50      | u           | <50        | u       | <5         | <20    | u    | <5     | u      | <50      | u    |
| W-B-32                                     | 14  | 4/16/2003    | <50      | q           | <50        | q       | <b>5.8</b> | q      | <5   | q      | <20    | q        | <50  |
| W-B-38                                     | 14  | 4/15/2003    | <50      | u           | <50        | u       | <5         | <20    | u    | <5     | u      | <50      | u    |
| <b>Area of Concern 17</b>                  |     |              |          |             |            |         |            |        |      |        |        |          |      |
| Ecological Receptor Tier-2 (a) (DAF = 5.5) |     |              | 165      | 198         | 2.9        | 1.4     | 16.5       | 17     | 14   | 45     | 1.0    | 22       | 446  |
| P-1/UAL-MW-4                               | 17  | 4/22/2003    | <60      | q           | <b>847</b> | q       | <4         | q      | <5   | q      | <50    | q        | <50  |
| UAL-MW-01                                  | 17  | 6/27/2006    | <60      |             | <b>42</b>  |         | <2         | NA     | NA   | NA     | NA     | NA       | NA   |
| UAL-MW-02                                  | 17  | 6/27/2006    | <60      |             | <5         |         | <2         | NA     | NA   | NA     | NA     | NA       | NA   |
| UAL-MW-03                                  | 17  | 6/27/2006    | <60      |             | <b>12</b>  |         | <2         | NA     | NA   | NA     | NA     | NA       | NA   |
| UAL-MW-1                                   | 17  | 4/15/2003    | <60      | q           | <b>8</b>   | q       | <4         | q      | <5   | q      | <50    | q        | <50  |
| UAL-MW-2                                   | 17  | 4/15/2003    | <60      | q           | <5         | q       | <4         | q      | <5   | q      | <50    | q        | <50  |
| UAL-MW-3                                   | 17  | 4/15/2003    | <60      | q           | <5         | q       | <4         | q      | <5   | q      | <50    | q        | <50  |

**Revised Table E-6b  
Post-2002 Data Set - Groundwater Results - Metals - Tier-2**

| Sample Location                          | AOC | Date Sampled | Antimony          | Arsenic (d)       | Beryllium         | Cadmium           | Cobalt            | Copper           | Lead              | Nickel            | Silver           | Thallium          | Zinc             |
|--|-----|--------------|-------------------|-------------------|-------------------|-------------------|-------------------|------------------|-------------------|-------------------|------------------|-------------------|------------------|
| Airport Worker Tier-2                    |     |              | IP                | IP                | IP                | IP                | IP                | IP               | IP                | IP                | IP               | IP                | IP               |
| Construction Worker Tier-2               |     |              | IP                | IP                | IP                | IP                | IP                | IP               | IP                | IP                | IP               | IP                | IP               |
| Ecological Receptor Tier-2 (a) (DAF = 1) |     |              | 30                | 36                | 0.53              | 0.25              | 3.0               | 3.1              | 2.5               | 8.2               | 0.19             | 4.0               | 81               |
| <b>Area of Concern 18</b>                |     |              |                   |                   |                   |                   |                   |                  |                   |                   |                  |                   |                  |
| Ecological Receptor Tier-2 (a) (DAF = 7) |     |              | 210               | 252               | 3.7               | 1.8               | 21                | 22               | 18                | 57                | 1.3              | 28                | 567              |
| W-B-18                                   | 18  | 4/18/2003    | <60 <sup>Q</sup>  | <50 <sup>Q</sup>  | <4 <sup>Q</sup>   | <5 <sup>Q</sup>   | <50 <sup>Q</sup>  | <50 <sup>Q</sup> | <50 <sup>Q</sup>  | <50 <sup>Q</sup>  | <10 <sup>Q</sup> | <50 <sup>Q</sup>  | <50 <sup>Q</sup> |
| W-B-19                                   | 18  | 4/18/2003    | <60 <sup>Q</sup>  | <50 <sup>Q</sup>  | <0.4 <sup>Q</sup> | <0.5 <sup>Q</sup> | <5 <sup>Q</sup>   | <5 <sup>Q</sup>  | <50 <sup>Q</sup>  | <5 <sup>Q</sup>   | <1 <sup>Q</sup>  | <50 <sup>Q</sup>  | <5 <sup>Q</sup>  |
| W-B-20                                   | 18  | 4/18/2003    | <60 <sup>Q</sup>  | <50 <sup>Q</sup>  | <0.4 <sup>Q</sup> | <0.5 <sup>Q</sup> | <5 <sup>Q</sup>   | <5 <sup>Q</sup>  | <50 <sup>Q</sup>  | <5 <sup>Q</sup>   | <1 <sup>Q</sup>  | <50 <sup>Q</sup>  | <5 <sup>Q</sup>  |
| W-B-20D                                  | 18  | 4/18/2003    | <600 <sup>Q</sup> | <500 <sup>Q</sup> | <0.4 <sup>Q</sup> | <0.5 <sup>Q</sup> | <5 <sup>Q</sup>   | <5 <sup>Q</sup>  | <5 <sup>Q</sup>   | <5 <sup>Q</sup>   | <1 <sup>Q</sup>  | <500 <sup>Q</sup> | <5 <sup>Q</sup>  |
| W-B-9                                    | 18  | 4/18/2003    | <60 <sup>Q</sup>  | <50 <sup>Q</sup>  | <0.4 <sup>Q</sup> | <0.5 <sup>Q</sup> | <5 <sup>Q</sup>   | <5 <sup>Q</sup>  | <50 <sup>Q</sup>  | <5 <sup>Q</sup>   | <1 <sup>Q</sup>  | <50 <sup>Q</sup>  | <5 <sup>Q</sup>  |
| <b>Area of Concern 19</b>                |     |              |                   |                   |                   |                   |                   |                  |                   |                   |                  |                   |                  |
| Ecological Receptor Tier-2 (a) (DAF = 1) |     |              | 30                | 36                | 0.53              | 0.25              | 3.0               | 3.1              | 2.5               | 8.2               | 0.19             | 4.0               | 81               |
| W-B-25                                   | 19  | 4/16/2003    | <50 <sup>UJ</sup> | <50 <sup>UJ</sup> | <5 <sup>UJ</sup>  | <5 <sup>UJ</sup>  | <20 <sup>UJ</sup> | <5 <sup>UJ</sup> | <50 <sup>UJ</sup> | <20 <sup>UJ</sup> | <5 <sup>UJ</sup> | <50 <sup>UJ</sup> | <b>8.1</b>       |
| W-B-29                                   | 19  | 4/16/2003    | <50 <sup>UJ</sup> | <50 <sup>UJ</sup> | <5 <sup>UJ</sup>  | <5 <sup>UJ</sup>  | <20 <sup>UJ</sup> | <5 <sup>UJ</sup> | <50 <sup>UJ</sup> | <20 <sup>UJ</sup> | <5 <sup>UJ</sup> | <50 <sup>UJ</sup> | <b>5</b>         |

**Notes**

Yellow highlighting indicates an exceedance of the selected ESL.

Bolding indicates detected concentrations.

All units are in micrograms per liter (ug/L).

Only analytes that have at least one detection and have exceeded the Tier-1 screening level are shown.

< = analyte was not detected at or above the laboratory method detection limit

DAF = dilution attenuation factor

ESL = environmental screening level

IP = incomplete pathway

NA = not analyzed

**Qualifiers**

J = The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

Q = Data not validated and there is a high uncertainty associated with the quality adequacy of the data.

UJ = The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

**Footnotes**

(a) Tier-2 Ecological receptor screening level value is based on estuarine values in Table F-4a Summary of Selected Aquatic Habitat Goals (RWQCB, December 2013) multiplied by a DAF specific to the approximate location of the AOC as listed in Table 1.

(b) Analyte analyzed by a second method.

(c) Analyzed by a second lab.

(d) Note that the Tier 2 screening level value for ecological receptors used in the original Table E-6b in the February 2014 Technical Memorandum was actually the Tier 1 value from Table F. The correct Tier 2 value from Table F-4a is used in this revised table.

**References**

RWQCB (San Francisco Bay Regional Water Quality Control Board), 2013. Screening For Environmental Concerns at Sites With Contaminated Soil and Groundwater November 2007, Updated December 2013. California EPA, <http://www.waterboards.ca.gov/sanfranciscobay/esl.htm>.