ARNOLD & PORTER LLP

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June 5, 2006

VIA FEDERAL EXPRESS

Mr. Michael Massey
U.S. Environmental Protection Agency, Region IX
75 Hawthorne Street
San Francisco, CA 94105

Re: San Fernando Valley / North Hollywood, California
11600 Sherman Way

Dear Mr. Massey:

This is a second letter response to the United States Environmental Protection Agency's ("EPA") March 28, 2006, request for information pursuant to Section 104(e) of CERCLA (the "current Section 104(e) Request"), sent to Honeywell International Inc. ("Honeywell"), concerning the site on Sherman Way in the North Hollywood Operable Unit at which Honeywell's predecessor in interest conducted manufacturing operations (the "Facility"). Honeywell previously provided responses to sixteen of the thirty-three requests in a letter dated May 22, 2006. With this letter, Honeywell provides responses to the seventeen remaining requests.

As with Honeywell's May 22, 2006, response, prior to providing responses to the specific requests, it is important to note a few preliminary matters. Over approximately the past two decades, Honeywell and its predecessors have provided voluminous information regarding the Facility (which ceased operations approximately 15 years ago) to the EPA. This information has included responses to several prior Section 104(e) requests, including letter requests dated August 19, 1987 (with responses dated October 15, 1987, and June 20, 1988), May 17, 1988, April 17, 1991 (with a response dated June 27, 1991), May 22, 1992 (with a response dated July 21, 1992, and a supplemental response dated September 17, 1992), and April 18, 1995 (with a response dated July 20, 1995). The EPA also has been provided information in the form of responses to discovery requests in connection with lawsuits concerning the Facility, including through responses to written interrogatories propounded in the action captioned *U.S. v. AlliedSignal, Inc.*, et al. (Case No. 93-6490; U.S. District Court, Central District of California). Honeywell has provided further information regarding the Facility in other forms as well, such as through regular groundwater monitoring reports, presentations to the EPA, and responses to other letter requests for information from regulatory agencies

(*e.g.*, a response to a request for technical information from Mr. Dennis Dickerson at the California Regional Water Quality Control Board dated March 9, 2001).[1]

In light of Honeywell's history of providing substantial information and data regarding the Facility, it is Honeywell's understanding that most of the available information sought by the current Section 104(e) Request has previously been provided to the EPA. Indeed, the EPA has used information provided by Honeywell in recent reports issued on behalf of the EPA regarding the North Hollywood Operable Unit, including the January 2006 Chromium Evaluation report prepared for the EPA by CH2MHill.

Honeywell continues the process of reviewing the various sources of information that have been disclosed in the past, determining what information sought by the current Section 104(e) Request already is available to the EPA, and collecting additional appropriate information. In the short time that the EPA has allowed for compiling responses to the EPA's current requests, Honeywell has made a good faith effort to locate and to provide available information that previously has not been made available or to direct the EPA to previously provided sources of information relevant to a request. Honeywell does not intend to produce information that previously has been made available to the EPA. Honeywell's efforts to collect additional responsive information is ongoing, and Honeywell reserves the right to supplement the responses below as the review process continues.

Moreover, Honeywell makes the following objections to and additional general points with respect to the current Section 104(e) Request:

A. Honeywell generally objects to the current Section 104(e) Request to the extent that it seeks information or documents protected from discovery by the attorney-client privilege, the attorney work product doctrine, the joint defense or common interest privilege, the self-evaluative privilege, or any other applicable privilege or doctrine. Nothing contained in these objections or the responses below is intended as, or shall in anyway be deemed as, a waiver of privilege. Honeywell further objects to the current

[1] In its May 22, 2006, letter, Honeywell identified Mr. Dickerson's letter as issuing from the EPA. The letter actually issued from the RWQCB, and a copy of the response is attached hereto as Exhibit A.

Section 104(e) Request to the extent that it seeks confidential or proprietary business information of Honeywell or confidential settlement information.

B. Honeywell generally objects to the current Section 104(e) Request to the extent that it seeks information and/or documents not in the possession, custody, or control of Honeywell.

C. Honeywell generally objects to the current Section 104(e) Request to the extent that it is overbroad, unduly burdensome, not reasonably calculated to lead to the discovery of admissible evidence or information necessary or useful to the EPA's investigation, or beyond the authority provided in CERCLA Section 104(e).

D. Honeywell generally objects to the current Section 104(e) Request to the extent that it seeks information that may be derived or ascertained from documents already within the knowledge, possession or control of the EPA.

E. As noted above, this response reflects a diligent search of Honeywell's records, but no representation is made that all such records have been located and searched. Honeywell reserves the right to supplement this response in the event that it locates additional responsive non-privileged documents or information, but does not assume the obligation to do so.

F. In certain instances below, where documents contain the information sought by the current Section 104(e) Request, Honeywell has directed the EPA to attached documents rather than providing answers in a narrative form.

G. Honeywell requests confidential treatment for all nonpublic documents (designated as "confidential" on the documents) provided in response to the current Section 104(e) Request. The period of time for which confidential treatment is desired is indefinite. To the best of our understanding, Honeywell has not disclosed the information for which confidential treatment is requested, except to agents and employees and others under obligation to keep such information confidential, and has guarded the confidentiality of this information by retaining it within secure storage facilities. The reason for this request is that the information may contain trade secrets or other proprietary information and may be protected under confidentiality agreements with other entities. Honeywell asserts that disclosure of its confidential information may result in substantial harmful effects on its competitive position.

H. Unless otherwise indicated, when providing information regarding the Facility, Honeywell is providing information concerning the period that Honeywell's predecessors in interest conducted operations at the location. Except as noted with respect to ongoing environmental analysis that Honeywell is conducting, Honeywell does not have direct knowledge of operations at the "Facility" conducted by subsequent owners, such as Kaiser Permanente, Public Storage, and Home Depot.

Notwithstanding the foregoing background and objections, and preserving and without waiving the objections, Honeywell responds to the current Section 104(e) Request, incorporating each of the above objections, as follows. The number for each request repeated below corresponds to the number of the request as it appears in the current Section 104(e) Request.

2. Information obtained by EPA indicates that the Company owned the real property at 11510 Sherman Way, North Hollywood, California ("11510 Sherman"), 11600 Sherman Way, North Hollywood, California ("11600 Sherman"), and possibly 11500 Sherman Way, North Hollywood, California ("11500 Sherman"). 11500 Sherman, 11510 Sherman, 11600 Sherman, and any other real property (along with improvements thereto) that the Company owned that was a part of or comprised the Allied-Signal facility/Avibank Manufacturing facility on Sherman Way is hereinafter referred to as the "Facility." Provide the following information with respect to the Company's ownership of the Facility:

a. The dates the Company owned the Facility;
b. The parcel number(s) and corresponding street address(es) for the Facility;
c. A copy of each document evidencing the purchase, ownership, and sale of the Facility;
d. The current or last known address and phone number of all other current and previous owners of the Facility;
e. A copy of each lease, rental agreement, or any other document between the Company and any business that operated at the Facility for all periods of time that the Company owned the Facility;
f. The name, address, and phone number contact for each tenant or lessee; and
g. Each type of business, commercial, or industrial operation conducted at the Facility, and the name of each operator and the dates that each was operating.

The boundaries of the land on which the Facility stood are reflected in documents and on maps contained in the materials that previously have been provided to the EPA. *See, e.g.,* Response to Section 104(e) letter dated May 22, 1992 (Appendix E [describing portion of the Facility to the west of former "Plant 1"], and Appendix F [containing maps of eastern portion of the Facility]); *see also* Response to Section 104(e) letter dated August 19, 1987 (Attachment 8 [July 24, 1987, Leighton Report, Appendix I (sketch of location of monitoring well based on portion of parcel map L.A. #2128, per map 30, page 86, Records of Los Angeles County)]).

In the 1970's, the western portion of the site was acquired by Kaiser Permanente. The remaining portion of the Facility was subdivided into "Eastern" and "Western" parcels. The Eastern parcel was sold to Home Depot in 1995, and the Western parcel was sold to Public Storage in 1997. A copy of the purchase agreements that Honeywell has been able to locate are attached hereto at Exhibit 2, and Honeywell requests that these documents be treated as confidential (as marked). Also included in Exhibit 2 are some additional diagrams of the area on which the Facility stood.

Contact information for current owners of the land comprising the former Facility is:

Mr. Ron Newquist
Kaiser Permanente
11668 Sherman Way
North Hollywood, CA 91605

Ms. Nergus Choudry
Public Storage
701 Western Avenue
Glendale, CA 91411

Mr. Joe Cox, Assistant Manager
Home Depot
11600 Sherman Way
North Hollywood, CA 91605

Currently, the address 11500 Sherman Way appears to correspond to AviBank MFG, Inc.; SPS Technologies, and is located immediately to the east of Home Depot. It is Honeywell's understanding that this location was not part of the Facility and was not owned by Honeywell (or its predecessors in interest).

Additionally, Honeywell hereby references and incorporates the information regarding the Facility (including prior owners) contained prior Section 104(e) responses, including in response to request numbers 1-4 and 12 in the Section 104(e) letter dated May 22, 1992, and request number 7 in the Section 104(e) letter dated August 14, 1987.

3. State whether any portion of 11500 Sherman was ever included as part of the lot at 11510 Sherman. If so, provide complete documentation of the transfer and ownership of 11510 Sherman, including the name and last known address and telephone number of the previous owner from whom the Company purchased the real property.

Please see response to request number 2, above.

4. Identify the individuals who are or were responsible for environmental matters at the Facility. For each individual responsible for environmental matters, provide his/her full name, current or last known address, current or last known telephone number, position titles, and the dates each individual held such position.

Benny Dehghi, identified in Honeywell's May 22, 2006, letter response, is currently responsible for environmental matters relating to the former Facility and has been involved with environmental issues regarding the site since 1993. His contact information is:

Benny Dehghi
Honeywell Remediation Manager
2525 West 190th Street
Torrance, California 90505
(310) 512-2296

As indicated in prior information provided to the EPA, the history of the Facility dates back to 1940 and includes several different corporate entities over time. Other individuals who, in the past, have been responsible for environmental matters have been

identified in prior Section 104(e) responses. Honeywell hereby references and incorporates response number 6 to the Section 104(e) letter dated August 14, 1987, which identified Walter E. Harmon, a former Plant Manager, and Hugh R. Kellenberger, a former Manager of Facilities.

Honeywell remains willing to work with the EPA to identify and locate additional individuals the EPA might want to contact who are identified in the materials that have been provided regarding the environmental issues at the Facility.

16. Identify any individual or entity that owned or operated the Facility prior or subsequent to the Company. For each prior or subsequent owner or operator, further identify:

- **a. The dates of ownership/operation;**
- **b. The nature of prior or subsequent operations at the Facility;**
- **c. All evidence showing that the prior or subsequent owner or operator controlled access to the property; and**
- **d. All evidence that a hazardous substance, pollutant, or contaminant was released or threatened to be released at the Facility during the period of prior or subsequent ownership or operation.**

Please see response to request number 2, above, as well as responses to request numbers 7 and 11 in Honeywell's May 22, 2006, letter.

17. Provide a complete list of employees who had knowledge of the use of hazardous substances and disposal of wastes at the Facility during any or all of the period of time that the Company operated at or was otherwise associated with the Facility. For each employee listed, provide the following information:

- **a. The employee's full name;**
- **b. The employee's current or last known address and telephone number, including the last known date on which you believe each address and telephone number was current;**
- **c. The dates that the employee worked at the Facility;**
- **d. The position(s) the employee held under any of the Company's business structures; and**
- **e. The employee's job title(s) and the corresponding dates during which the Company believes that the employee would have had knowledge of the use and disposal of wastes.**

Operations at the Facility spanned the period 1940 to 1992. There are no current Honeywell employees operating at the site, and Honeywell does not maintain the requested information in a format that would permit it to be located, gathered, synthesized and provided to the EPA in the limited time permitted.

The EPA previously has been provided information (including then accurate contact information) regarding individuals who may have knowledge of past handling of hazardous substances and waste storage and disposal practices. Honeywell hereby references and incorporates the response to request number 6 in the Section 104(e) letter dated August 19, 1987, and the response to request number 8 in the Section 104(e) letter dated May 22, 1992. Those responses identified past employees Walter E. Harmon (Plant Manager prior to 1988), George N. Morzov (Human Resources Manager prior to 1988), Ronald J. Slatterbeck (Plant Engineer prior to 1988), Hugh R. Kellenberger (Manager of Facilities as of 1988), Mary Calvert (Manufacturing Coordinator as of 1988), Walter J. Speck (Supervisor Manufacturing as of 1988), Bob Peters, Dennis Dombrowski, and Bob Hanks. Ralph Vick and Royce Brannum also were identified in the responses to written interrogatories propounded in the action captioned *U.S. v. AlliedSignal, Inc.*, et al. (Case No. 93-6490; U.S. District Court, Central District of California) as persons with knowledge of activities at the Facility from the 1960s to the late 1980s.

These persons are not currently employed by Honeywell, and efforts to date have not located more recent contact information except as follows. We are not certain, however, if this information is current.

George Marzov
FX-6: Personal Privacy

Bob Hanks
FX-6: Personal Privacy

Honeywell remains willing to work with the EPA to undertake additional inquiries regarding other sources of information and to provide other identifying information, if necessary.

20. Provide copies of hazardous material business plans and chemical inventory forms (originals and updates) submitted to city, county, and state agencies.

Operations at the Facility spanned the period 1940 to 1992. Honeywell does not maintain the requested information in a format that would permit it to be located, gathered, synthesized and provided to the EPA in the limited time permitted.

However, information regarding the hazardous materials used at the Facility and the manner in which it was handled previously has been provided to the EPA. Honeywell hereby references and incorporates, among other information, the response to request number 1 to the Section 104(e) letter dated August 17, 1988, including Attachment 1 (detailing chemical purchases and usage at the Facility and describing the manner in which hazardous waste material was handled); the response to request number 3 to the same Section 104(e) letter, including Attachments 3-5 (addressing onsite releases and including hazardous waste manifests and lists of disposal/treatment facilities and transporters); the response to request number 14 to the Section 104(e) letter dated May 22, 1992, including Appendices F & G (describing chemical uses at the Facility as supported by manifest records from 1981 through 1991, drawings showing areas of hazardous material usage and storage, and Material Safety Data Sheets for TCE, PCE and TCA); and the response to the RWQCB's letter dated March 9, 2001 (summarizing Honeywell's extensive review of historical documents relating to operations and chemical usage at the Facility and providing information in the form of a Chemical Use Questionnaire).

Additionally, Honeywell has included as Exhibit 20 some "Waste Material Management Sheets" (for waste shipped to Chemical Waste Management, Inc.) that it has located as part of its search, although this information may have been provided to the EPA previously.

Honeywell continues to review historical documents related to the Facility and information previously provided to the EPA for information responsive to this request and will supplement its response with additional non-privileged responsive information it locates following that investigation that has not previously been provided to the EPA, if any.

21. Provide a list of all chemicals and hazardous substances used at the Facility, identifying the chemical composition and quantities used. Provide copies of Material Safety Data Sheets for all hazardous substances used.

Please see response to request 20, above.

22. Identify and provide the information below for all volatile organic compounds (most notably PCE; TCE; 1,1-DCE; MTBE; 14-DCA, cis-1,2-DCE; and carbon tetrachloride); Title 22 metals including total and hexavalent chromium; 1,4-dioxane; N-nitrosodymethylamine (NDMA); perchlorate; which are or were used at, or transported to, the Facility:

a. The trade or brand name, chemical composition, and quantity used for each chemical or hazardous substance and the Material Safety Data Sheet for each product;

b. The location(s) where each chemical or hazardous substance is or was used, stored, and disposed of;

c. The kinds of wastes (e.g., scrap metal, construction debris, motor oil, solvents, waste water), the quantities of wastes, and the methods of disposal for each chemical, waste, or hazardous substance;

d. The quantity purchased (in gallons), the time period during which it was used, and the identity of all persons who used it; and

e. The supplier(s), and provide copies of all contracts, service orders, shipping manifests, invoices, receipts, canceled checks, or any other documents pertaining to the supply of chemicals or hazardous substances.

Please see response to request 20, above, which includes references to disclosures previously provided to the EPA containing the information Honeywell has been able to locate after a diligent search regarding the chemicals used at the Facility. In particular, with respect to VOCs, Honeywell hereby references and incorporates the response to request number 14 of the Section 104(e) letter dated May 22, 1992, and, with respect to chromium, Honeywell hereby references and incorporates the "Chemical Storage and Use Questionnaire, Chromium Investigation" that was submitted as part of its response to the RWQCB's letter dated March 9, 2001 (attached hereto as Exhibit A). With respect to 1,4-dioxane, N-nitrosodymethylamine (NDMA), and perchlorate, Honeywell has not located any additional information specific to those chemicals, but will provide such information if it is located.

Honeywell additionally responds that it has undertaken extensive efforts to determine the scope and source of VOCs, hexavalent chromium, and other chemicals located within the North Hollywood Operable Unit. These efforts have been detailed in reports provided to the EPA. In summary, Honeywell has installed groundwater monitoring wells at the location of the former Facility to monitor water levels, VOC concentrations, and hexavalent chromium concentrations. These wells define the northern, eastern, and western extent of groundwater contamination by VOCs and hexavalent chromium potentially relating to the Facility. A previously existing deep groundwater monitoring well (W-1) was installed in the late 1980s and sampled for total petroleum hydrocarbons (TPH) and VOCs. No TPH or VOCs were detected and the well was abandoned in 1988, per the RWQCB's approval.

Honeywell continues to review historical documents related to the Facility and information previously provided to the EPA for information responsive to this request and will supplement its response with additional non-privileged responsive information it locates following that investigation that has not previously been provided to the EPA, if any.

23. Provide copies of all environmental data or technical or analytical information regarding soil, water, and air conditions at or adjacent to the Facility, including, but not limited to, environmental data or technical or analytical information related to soil contamination, soil sampling, soil gas sampling, geology, water (ground and surface), hydrogeology, groundwater sampling, and air quality.

For many years, Honeywell and its predecessors have been engaged in analyzing and reviewing the environmental conditions at and surrounding the former Facility. Honeywell regularly provides documentation, including groundwater monitoring reports, to the EPA, both directly and through the California Regional Water Quality Control Board. We are not aware of any environmental data that has not been provided, but if the EPA believes that it is missing any reports regarding groundwater and other environmental activities that Honeywell has provided over the years, Honeywell will provide additional copies.

Additionally, in response to request number 26, below, Honeywell is providing additional applications and permits that contain, as part of the applications, analytical information that previously may not have been provided directly to the EPA in that format.

26. Provide copies of any applications for permits or permits received under any local, state, or federal environmental laws and regulations, including any waste discharge permits, such as national pollutant discharge elimination system permits.

Operations at the Facility spanned the period 1940 to 1992. Honeywell does not maintain the requested information for the period when the Facility was in operation in a format that would permit it easily to be located, gathered, synthesized and provided to the EPA in the limited time permitted.

Honeywell has, as part of its ongoing efforts to investigate the soil and groundwater at and surrounding the former Facility, submitted applications for permits of the type sought by this request. Such responsive documents are attached hereto as Exhibit 26.

Honeywell continues to review historical documents related to the Facility and information previously provided to the EPA for information responsive to this request and will supplement its response with additional non-privileged responsive information it locates following that investigation that has not previously been provided to the EPA, if any.

27. If the Company discharged any of its waste stream to the sewer at the Facility, provide copies of all permits and all analyses performed on discharged water, and identify all locations where waste streams were discharged.

Honeywell is aware that a national pollutant discharge elimination system permit was issued with respect to the Facility, which expired in 1995. Honeywell believes that the EPA previously has been provided with a copy of this permit, but if the EPA cannot locate it, Honeywell will provide an additional copy. Additionally, Honeywell hereby references and incorporates the response to request number 3 in the Section 104(e) letter dated August 19, 1987, which requested a description of the disposal practices at the Facility.

In connection with the current environmental activities Honeywell is undertaking, certain investigation derived wastes (IDWs) are generated. The manner in which Honeywell and its consultants address such IDWs are described in the work plans submitted in support of each particular environmental project relating to the Facility. The

EPA should have access to these work plans, but Honeywell will provide additional copies if needed.

Honeywell continues to review historical documents related to the Facility and information previously provided to the EPA for information responsive to this request and will supplement its response with additional non-privileged responsive information it locates following that investigation that has not previously been provided to the EPA, if any.

28. For each waste stream generated at the Facility, describe the procedures for (a) collection, (b) storage, (c) treatment, (d) transport, and (e) disposal of the waste stream.

Please see response to request 27, above.

Honeywell continues to review historical documents related to the Facility and information previously provided to the EPA for information responsive to this request and will supplement its response with additional non-privileged responsive information it locates following that investigation that has not previously been provided to the EPA, if any.

29. Please provide a detailed description of all pre-treatment procedures performed by the Company on its waste streams at the Facility prior to transport to a disposal site.

Please see response to request 27, above.

Honeywell continues to review historical documents related to the Facility and information previously provided to the EPA for information responsive to this request and will supplement its response with additional non-privileged responsive information it locates following that investigation that has not previously been provided to the EPA, if any.

30. Please describe the method used by the Company to remove waste streams from sumps at the Facility.

Please see response to request 27, above.

Honeywell continues to review historical documents related to the Facility and information previously provided to the EPA for information responsive to this request and will supplement its response with additional non-privileged responsive information it locates following that investigation that has not previously been provided to the EPA, if any.

31. Please identify all wastes that were stored at the Facility prior to shipment for disposal. Describe the storage procedures for each waste that was stored prior to disposal.

Please see response to request number 20, above. In particular, the response to request number 3 in the Section 104(e) letter dated August 19, 1987, including Attachments 3-5, addressed onsite chemicals, hazardous waste manifests, and lists of disposal/treatment facilities and transporters.

Honeywell continues to review historical documents related to the Facility and information previously provided to the EPA for information responsive to this request and will supplement its response with additional non-privileged responsive information it locates following that investigation that has not previously been provided to the EPA, if any.

32. Please identify all leaks, spills, or other releases into the environment of any hazardous substances or pollutants or contaminants that have occurred at or from the Facility. In addition, identify and provide supporting documentation of:

- **a. The date each release occurred;**
- **b. The cause of each release;**
- **c. The amount of each hazardous substance, waste, or pollutant or contaminant released during each release;**
- **d. Where each release occurred and what areas were impacted by the release; and**
- **e. Any and all activities undertaken in response to each release, including the notification of any local, state, or federal government agencies about the release.**

A substantively identical request regarding leaks and spills was propounded as interrogatory number 3 in the case captioned *U.S. v. AlliedSignal, Inc.*, et al., (Case No. 93-6490; U.S. District Court, Central District of California). Honeywell hereby references and incorporates the response to that interrogatory.

Honeywell continues to review historical documents related to the Facility and information previously provided to the EPA for information responsive to this request and will supplement its response with additional non-privileged responsive information it locates following that investigation that has not previously been provided to the EPA, if any.

33. Provide copies of any correspondence between the Company and local, state, or federal authorities concerning the use, handling, or disposal of hazardous substances at the Facility, including but not limited to any correspondence concerning any of the releases identified in response to the previous question.

Operations at the Facility spanned the period 1940 to 1992. Subsequent to that time, Honeywell and its predecessors have been engaged in substantial efforts regarding environmental issues at the site, many of which concern the subject matter of this request. Honeywell believes that the EPA has been provided with relevant correspondence that would be responsive to this request. If the EPA believes there is any correspondence it is missing, Honeywell will provide an additional copy.

Honeywell continues to review historical documents related to the Facility and information previously provided to the EPA for information responsive to this request and will supplement its response with additional non-privileged responsive information it locates following that investigation that has not previously been provided to the EPA, if any.

25. Identify all insurance policies held by the Company from the time it commenced ownership of or operations at the Facility until the present. Provide the name and address of each insurer, the policy number, the amount of coverage and policy limits, the type of policy, and the expiration date of each policy. Include all comprehensive general liability policies and "first party" property insurance policies and all environmental impairment insurance. Provide a complete copy of each policy.

In its May 22, 2006, response, Honeywell directed the EPA to prior responses relevant to this request. Subsequent to that response, Honeywell discovered that additional relevant information regarding prior insurance policies was provided to the EPA in response to request numbers 10 and 11 in the Section 104(e) letter dated May 22,

1992. However, it continues to be the case that, as of the date of this response to the current Section 104(e) Request, Honeywell is unaware of any insurance policy that may provide coverage for environmental issues related to the Facility.

* * *

Please contact me at (213) 243-4222 if you have any additional questions regarding these particular responses.

Sincerely,

Sean Morris

Sean Morris

cc: Benny Dehghi

A

Honeywell

Honeywell
2525 West 190th Street
Torrance, CA 90505

April 4, 2001

Mr. Dixon Oriola
California Regional Water Quality Control Board
Los Angeles Region
320 W. 4th St., Suite 200
Los Angeles, CA 90013

Re: Requirement for a Technical Report Pursuant to California Water Code Section 13267
Former Honeywell International Inc. (formerly known as AlliedSignal Inc.) Facility
11600 Sherman Way
North Hollywood, California 91605
File No. 111.0180)

Dear Mr. Oriola:

This is in response to Mr. Dennis Dickerson's letter dated March 9, 2001 requesting the technical information regarding Honeywell International Inc.'s (Honeywell) former North Hollywood (NH) facility at 11600 Sherman Way in North Hollywood, California.

In response to the Regional Board's information request, Honeywell has undertaken an extensive review of the available historical documents related to operations and chemical usage at the subject site (Site). Pursuant to your request, the results of our document search are summarized in the attached "Chemical Use Questionnaire."

The Site is located at 11600 Sherman Way in North Hollywood, California between Lankershim Boulevard (west) and Tunjunga Avenue (east). Sherman Way lies to the North of the Site and on the south is Pacific Railroad. Bendix Corporation occupied the Site from 1941 to 1983. Allied Corporation acquired the Bendix Corporation in 1983. In 1985, Allied Corp. combined with the Signal Companies to form AlliedSignal Inc. Principal operations at the Site were manufacturing of hydraulic and pneumatic valves that involved equipment testing, painting, and plating processes. Principal site operations were maintained the same until 1992. AlliedSignal Inc. ceased operations in 1992, and Site improvements were demolished in 1993. In 2000, AlliedSignal Inc. merged with Honeywell Inc. and the new company was identified as Honeywell International, Inc.

A portion of the NH property was sold to Home Federal Saving in 1965 which now is occupied by Kaiser Permanente. The remaining portion of the Site was subdivided into Eastern and Western parcels. The Eastern parcel and the Western parcel were sold to Home Depot and Public Storage in 1995 and 1997, respectively.

In the event we encounter additional new information related to the above mentioned Regional Board's request, Honeywell will notify the Board accordingly. Should there be any questions or comments please call me at (310) 512-2296.

Sincerely

Benny DeHghi
Honeywell International Inc.
Health, Safety, Environmental and Remediation

cc: Kenneth J. Berke, Esq
Erin Murrey, Home Depot
Rene Smith, Public Storage

ms. a H. Hickox
Secretary for
Environmental
otection

Los Angeles Region

320 W. 4th Street, Suite 200, Los Angeles, California 90013
Phone (213) 576-6600 FAX (213) 576-6640
Internet Address: http://www.swrcb.ca.gov/~rwqcb4

Gray Davis
Governor

CHEMICAL STORAGE AND USE QUESTIONNAIRE
CHROMIUM INVESTIGATION

I. **Facility information**

II. **Company name:** Honeywell International (formerly known as AlliedSignal)

1. Company address: 2525 West 190th Street Unit No. _____
2. City: Torrance Zip code: 90504 Phone: (310) 512-2296
3. Standard Industrial Classification (SIC): 3700 (assigned to former North Hollywood facility)
4. Brief description of business:

   Historical manufacturing of hydraulic and pneumatic valves (1941 - 1992)

5. EPA Generator Number: CAD 008325334 Years in business at this location: 1941 to 1992
6. Answer the following questions relative to **present** operations:

   A. Do you do plating or manufacture circuit boards? ____ Yes ____ No

   If yes, please explain:

   B. Do you have plating or anodizing tanks? ____ Yes ____ No

   C. Do you perform any metal work? ____ Yes ____ No

   D. Do you have a clarifier, sump, tank or other holding tanks for waste water? ____ Yes ____ No

   E. Do you have an industrial waste permit for sewer discharge? ____ Yes ____ No

   F. Do you store chemicals at this location? ____ Yes ____ No

G. Has any soil, waste water and/or groundwater investigations been conducted on the property? ____ Yes ___ No

If so, by what state or local agency? _____

8. Answer the following questions regarding **past** operations:

A. Do you know if plating operations existed at this location? x Yes ___ No

If yes, please explain:

Review of historical records show that plating operations were conducted at the property from 1941 to 1992.

B. Did you once have plating or anodizing tanks? x Yes ___ No

C. Did you perform any metal work? x Yes ___ No

D. Did you have a clarifier, sump, tank or other holding tanks for waste water? x Yes ___ No

E. Did you have an industrial waste permit for sewer discharge? x Yes ___ No

F. Did you have a drum storage area? x Yes ___ No

G. Have any soil, waste water and/or groundwater investigations been conducted on the property? x Yes ___ No

9. Name(s) of former tenants(s), dates of operation and type of business (provide a separate sheet if necessary).

Company Name	Type of Business	Dates of Operation at the Site
Bendix Corporation	Valve Manufacturing	1941 - 1983
Allied/Bendix	Valve Manufacturing	1983 - 1985
AlliedSignal	Valve Manufacturing	1985 - 1992

10. List all processes in which metallic compounds (derived from the elements listed in Table 1) are used.

Documented process tanks involving metallic compounds consists of (1) Type I Anodize (2) Type II Anodize (3) Type III Anodize (4) Nickel Acetate (5) Dichromate Seal (6) Aluminum Strip (7) Chrome Plate (8) Thin - Dense Chrome (9) Caustic - Chrome Strip (10) Dull Cadmium (11) Bright Cadmium (12) Nickel Strike (13) Chrome Conversion (14) Cadmium Strip (15) Chromatic Acid Neutralization (16) Etch

II. Property owner information

1. Name of current property owner: Home Depot - 11600 Sherman Way, N. Hollywood, CA 91605
Public Storage - 11620 Sherman Way, No. Hollwood, CA 91605
2. Mailing address of property owner: Kaiser - 11668 Sherman Way, N. Hollywood, CA 91605
3. City: North Hollywood Zip code: 91605 Phone: ( ) Home Depot (818) 764-9600
Public Storage (818) 765-6520
Kaiser (818) 503-6580
4. Prior property owner(s) and the dates of their ownership

Property Owner	Dates of Ownership	
	From	To
Bendix Corporation	1941	1983
Allied/Bendix	1983	1985
AlliedSignal	1985	1997

III. Waste Management

1. What are the sources of industrial waste from the site? (Identify sources by process, composition of wastes generated and approximate quantity disposed of monthly).

Sources of industrial waste from the site consisted of:(1) treated effluent discharged from the wastewater clarifier; (2) precipitation withdrawn from the wastewater clarifier; and (3) offsite disposal of spent acids, organic chemicals, solvents, and plating tank solutions.

IV. Sewer Information (1941 - 1992)

1. x Industrial ___ Septic tank ___ Municipal ___ Cesspool
2. Was a different sewer system used in the past? N/A* ___ Yes ___ No

   If yes, specify type _____

   *The sewer discharge was ceased in 1992.

V. Chemical Storage and Use

Complete the following sections for all chemicals (inorganic compounds only) in current use or that have been used in the past. Add separate sheets to complete your listing.

1. Chemical name: See the attached tables
2. Common/Trade name: _____ Quantity stored: _____
3. Storage method: ___ Underground tank ___ Drums
   ___ Above ground tank ___ Other (specify)
4. Waste disposal: ___ Sewered ___ Onsite recycling
   ___ Hauled ___ Offsite recycling
5. Is the waste treated prior to disposal? ___ Yes ___ No

   If yes, specify treatment method: _____
6. Is the waste stored prior to disposal? ___ Yes ___ No
7. Is manifest documentation available for designated waste streams? ___ Yes ___ No

---

1. Chemical name: _____
2. Common/Trade name: _____ Quantity stored: _____
3. Storage method: ___ Underground tank ___ Drums
   ___ Above ground tank ___ Other (specify)
4. Waste disposal: ___ Sewered ___ Onsite recycling
   ___ Hauled ___ Offsite recycling

File No. 111.080

5. Is the waste treated prior to disposal? ____ Yes ___ No

   If yes, specify treatment method: _____

6. Is the waste stored prior to disposal? ____ Yes ___ No

7. Is manifest documentation for designated waste streams available? ____ Yes ___ No

Signature: Benny Dehghi Date: 4/4/01

Printed name: Benny Dehghi Title: Mgr., Remediation & Evaluation Services

Phone number: (310) 512-2296

1. Chemical Name: Chromic Acid
2. Common/Trade Name: Same Quantity Stored: 1900 gal (1991 data)
3. Storage Method: ____ Underground Tan x Drums
x Aboveground Tank ____ Other
4. Waste Disposal: ____ Sewered ____ Onsite Recycling
x Hauled ____ Offsite Recycling
5. Is the waste treated prior to disposal? ____ Yes x No
If yes, specified treatment method:
6. Is waste stored prior to disposal? x Yes ____ No
7. Is manifest documentation available for designated waste streams? ____ Yes ____ No

---

1. Chemical Name: Cadmium
2. Common/Trade Name: Cadmium Plating Solution Quantity Stored: 1120 gal (1991 data)
3. Storage Method: ____ Underground Tank X Drums
X Aboveground Tank ____ Other
4. Waste Disposal: ____ Sewered ____ Onsite Recycling
X Hauled ____ Offsite Recycling
5. Is the waste treated prior to disposal? X Yes X No
If yes, specified treatment method:
6. Is waste stored prior to disposal? ____ Yes ____ No
7. Is manifest documentation available for designated waste streams? ____ Yes ____ No

---

1. Chemical Name: Copper
2. Common/Trade Name: Copper Plating Quantity Stored: 350 gal (1991 data)
3. Storage Method: ____ Underground Tank ____ Drums
X Aboveground Tank ____ Other
4. Waste Disposal: ____ Sewered ____ Onsite Recycling
X Hauled ____ Offsite Recycling
5. Is the waste treated prior to disposal? X Yes ____ No
If yes, specified treatment method:
6. Is waste stored prior to disposal? ____ Yes ____ No
7. Is manifest documentation available for designated waste streams? ____ Yes ____ No

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1. Chemical Name: Stannous Fluoborate
2. Common/Trade Name: Same Quantity Stored: 20 gal (1988 data)
3. Storage Method: ____ Underground Tank ____ Drums
____ Aboveground Tank X Other(5 gal container)
4. Waste Disposal: ____ Sewered ____ Onsite Recycling
____ Hauled ____ Offsite Recycling
5. Is the waste treated prior to disposal? ____ Yes ____ No
If yes, specified treatment method:
6. Is waste stored prior to disposal? ____ Yes ____ No
7. Is manifest documentation available for designated waste streams? ____ Yes ____ No

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1. Chemical Name: Copper Strip
2. Common/Trade Name: _____ Quantity Stored: 110 gal (1988 data)
3. Storage Method: _____ Underground Tan X Drums
_____ Aboveground Tank _____ Other
4. Waste Disposal: _____ Sewered _____ Onsite Recycling
_____ Hauled _____ Offsite Recycling
5. Is the waste treated prior to disposal? _____ Yes _____ No
If yes, specified treatment method:
6. Is waste stored prior to disposal? _____ Yes _____ No
7. Is manifest documentation available for designated waste streams? _____ Yes _____ No

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1. Chemical Name: Chromic Acid
2. Common/Trade Name: _____ Quantity Stored: 900 lb (1988 data)
3. Storage Method: _____ Underground Tank X Drums
_____ Aboveground Tank _____ Other
4. Waste Disposal: _____ Sewered _____ Onsite Recycling
_____ Hauled _____ Offsite Recycling
5. Is the waste treated prior to disposal? _____ Yes _____ No
If yes, specified treatment method:
6. Is waste stored prior to disposal? _____ Yes _____ No
7. Is manifest documentation available for designated waste streams? _____ Yes _____ No

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1. Chemical Name: Compound 100 Chrome
2. Common/Trade Name: _____ Quantity Stored: 200 lb (1988 data)
3. Storage Method: _____ Underground Tank X Drums
_____ Aboveground Tank _____ Other
4. Waste Disposal: _____ Sewered _____ Onsite Recycling
_____ Hauled _____ Offsite Recycling
5. Is the waste treated prior to disposal? _____ Yes _____ No
If yes, specified treatment method:
6. Is waste stored prior to disposal? _____ Yes _____ No
7. Is manifest documentation available for designated waste streams? _____ Yes _____ No

---

1. Chemical Name: Unichrome
2. Common/Trade Name: _____ Quantity Stored: 350 lb (1988 data)
3. Storage Method: _____ Underground Tank X Drums
_____ Aboveground Tank _____ Other(5 gal container)
4. Waste Disposal: _____ Sewered _____ Onsite Recycling
_____ Hauled _____ Offsite Recycling
5. Is the waste treated prior to disposal? _____ Yes _____ No
If yes, specified treatment method:
6. Is waste stored prior to disposal? _____ Yes _____ No
7. Is manifest documentation available for designated waste streams? _____ Yes _____ No

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1. Chemical Name: Cadmium Oxide
2. Common/Trade Name: _____ Quantity Stored: 150 lb (1988 data)
3. Storage Method: _____ Underground Tan _____ Drums
_____ Aboveground Tank x Other (bucket)
4. Waste Disposal: _____ Sewered _____ Onsite Recycling
_____ Hauled _____ Offsite Recycling
5. Is the waste treated prior to disposal? _____ Yes _____ No
If yes, specified treatment method:
6. Is waste stored prior to disposal? _____ Yes _____ No
7. Is manifest documentation available for designated waste streams? _____ Yes _____ No

---

1. Chemical Name: Sodium Hydroxide
2. Common/Trade Name: _____ Quantity Stored: 110 gal (1988 data)
3. Storage Method: _____ Underground Tank X Drums
_____ Aboveground Tank _____ Other
4. Waste Disposal: _____ Sewered _____ Onsite Recycling
_____ Hauled _____ Offsite Recycling
5. Is the waste treated prior to disposal? _____ Yes _____ No
If yes, specified treatment method:
6. Is waste stored prior to disposal? _____ Yes _____ No
7. Is manifest documentation available for designated waste streams? _____ Yes _____ No

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1. Chemical Name: Potassium Cyanide
2. Common/Trade Name: _____ Quantity Stored: 70 gal (1988 data)
3. Storage Method: _____ Underground Tank X Drums
_____ Aboveground Tank _____ Other
4. Waste Disposal: _____ Sewered _____ Onsite Recycling
_____ Hauled _____ Offsite Recycling
5. Is the waste treated prior to disposal? _____ Yes _____ No
If yes, specified treatment method:
6. Is waste stored prior to disposal? _____ Yes _____ No
7. Is manifest documentation available for designated waste streams? _____ Yes _____ No

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1. Chemical Name: Copper Cyanide
2. Common/Trade Name: _____ Quantity Stored: 200 lb (1988 data)
3. Storage Method: _____ Underground Tank X Drums
_____ Aboveground Tank _____ Other
4. Waste Disposal: _____ Sewered _____ Onsite Recycling
_____ Hauled _____ Offsite Recycling
5. Is the waste treated prior to disposal? _____ Yes _____ No
If yes, specified treatment method:
6. Is waste stored prior to disposal? _____ Yes _____ No
7. Is manifest documentation available for designated waste streams? _____ Yes _____ No

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1. Chemical Name: Sodium Bichromate
2. Common/Trade Name: _____ Quantity Stored: 300 lb (1988 data)
3. Storage Method: _____ Underground Tan _____ X Drums
_____ Aboveground Tank _____ Other
4. Waste Disposal: _____ Sewered _____ Onsite Recycling
_____ Hauled _____ Offsite Recycling
5. Is the waste treated prior to disposal? _____ Yes _____ No
If yes, specified treatment method:
6. Is waste stored prior to disposal? _____ Yes _____ No
7. Is manifest documentation available for designated waste streams? _____ Yes _____ No

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1. Chemical Name: Sodium Dichromate
2. Common/Trade Name: _____ Quantity Stored: 100 lb (1988 data)
3. Storage Method: _____ Underground Tank _____ X Drums
_____ Aboveground Tank _____ Other
4. Waste Disposal: _____ Sewered _____ Onsite Recycling
_____ Hauled _____ Offsite Recycling
5. Is the waste treated prior to disposal? _____ Yes _____ No
If yes, specified treatment method:
6. Is waste stored prior to disposal? _____ Yes _____ No
7. Is manifest documentation available for designated waste streams? _____ Yes _____ No

---

1. Chemical Name: Sodium Hydroxide
2. Common/Trade Name: Caustic Soda Beads Quantity Stored: 500 lb (1988 data)
3. Storage Method: _____ Underground Tank _____ Drums
_____ Aboveground Tank _____ X Other (bags)
4. Waste Disposal: _____ Sewered _____ Onsite Recycling
_____ Hauled _____ Offsite Recycling
5. Is the waste treated prior to disposal? _____ Yes _____ No
If yes, specified treatment method:
6. Is waste stored prior to disposal? _____ Yes _____ No
7. Is manifest documentation available for designated waste streams? _____ Yes _____ No

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1. Chemical Name: Nickel Chloride
2. Common/Trade Name: _____ Quantity Stored: 2 gal (1988 data)
3. Storage Method: _____ Underground Tank _____ Drums
_____ Aboveground Tank _____ x Other(Bottles)
4. Waste Disposal: _____ Sewered _____ Onsite Recycling
_____ Hauled _____ Offsite Recycling
5. Is the waste treated prior to disposal? _____ Yes _____ No
If yes, specified treatment method:
6. Is waste stored prior to disposal? _____ Yes _____ No
7. Is manifest documentation available for designated waste streams? _____ Yes _____ No

---

1. Chemical Name: Chromic Acid
2. Common/Trade Name: 1081 Chromic Acid Quantity Stored: 0.05 Ton (1987)
3. Storage Method: _____ Underground Tan _____ Drums
_____ Aboveground Tank _____ Other
4. Waste Disposal: _____ Sewered _____ Onsite Recycling
_____ Hauled _____ Offsite Recycling
5. Is the waste treated prior to disposal? _____ Yes _____ No
If yes, specified treatment method:
6. Is waste stored prior to disposal? _____ Yes _____ No
7. Is manifest documentation available for designated waste streams? _____ Yes _____ No

---

1. Chemical Name: Chromic Acid
2. Common/Trade Name: Chromic Acid Flakes Quantity Stored: 5.2 Tons (1981 to 1987)
3. Storage Method: _____ Underground Tank _____ Drums
_____ Aboveground Tank _____ Other
4. Waste Disposal: _____ Sewered _____ Onsite Recycling
_____ Hauled _____ Offsite Recycling
5. Is the waste treated prior to disposal? _____ Yes _____ No
If yes, specified treatment method:
6. Is waste stored prior to disposal? _____ Yes _____ No
7. Is manifest documentation available for designated waste streams? _____ Yes _____ No

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1. Chemical Name: Chromium Trioxide
2. Common/Trade Name: _____ Quantity Stored: 2 kg (1987)
3. Storage Method: _____ Underground Tank _____ Drums
_____ Aboveground Tank _____ Other
4. Waste Disposal: _____ Sewered _____ Onsite Recycling
_____ Hauled _____ Offsite Recycling
5. Is the waste treated prior to disposal? _____ Yes _____ No
If yes, specified treatment method:
6. Is waste stored prior to disposal? _____ Yes _____ No
7. Is manifest documentation available for designated waste streams? _____ Yes _____ No

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1. Chemical Name: Ammonium Chromate
2. Common/Trade Name: _____ Quantity Stored: 490 gm (1987)
3. Storage Method: _____ Underground Tank _____ Drums
_____ Aboveground Tank _____ Other
4. Waste Disposal: _____ Sewered _____ Onsite Recycling
_____ Hauled _____ Offsite Recycling
5. Is the waste treated prior to disposal? _____ Yes _____ No
If yes, specified treatment method:
6. Is waste stored prior to disposal? _____ Yes _____ No
7. Is manifest documentation available for designated waste streams? _____ Yes _____ No

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1. Chemical Name: Ammonium Molybdate
2. Common/Trade Name: _____ Quantity Stored: 890 gm
3. Storage Method: _____ Underground Tank _____ Drums
_____ Aboveground Tank _____ Other
4. Waste Disposal: _____ Sewered _____ Onsite Recycling
_____ Hauled _____ Offsite Recycling
5. Is the waste treated prior to disposal? _____ Yes _____ No
If yes, specified treatment method:
6. Is waste stored prior to disposal? _____ Yes _____ No
7. Is manifest documentation available for designated waste streams? Yes No

---

1. Chemical Name: Barium Chloride
2. Common/Trade Name: _____ Quantity Stored: 300 gm (1987)
3. Storage Method: _____ Underground Tank _____ Drums
_____ Aboveground Tank _____ Other
4. Waste Disposal: _____ Sewered _____ Onsite Recycling
_____ Hauled _____ Offsite Recycling
5. Is the waste treated prior to disposal? _____ Yes _____ No
If yes, specified treatment method:
6. Is waste stored prior to disposal? _____ Yes _____ No
7. Is manifest documentation available for designated waste streams? Yes No

---

1. Chemical Name: Cadmium Solution
2. Common/Trade Name: _____ Quantity Stored: 4 gal (1985 to 1987)
3. Storage Method: _____ Underground Tank _____ Drums
_____ Aboveground Tank _____ Other
4. Waste Disposal: _____ Sewered _____ Onsite Recycling
_____ Hauled _____ Offsite Recycling
5. Is the waste treated prior to disposal? _____ Yes _____ No
If yes, specified treatment method:
6. Is waste stored prior to disposal? _____ Yes _____ No
7. Is manifest documentation available for designated waste streams? Yes No

---

1. Chemical Name: Cadmium Oxide
2. Common/Trade Name: _____ Quantity Stored: 0.55 Ton (1971 to 1980)
3. Storage Method: _____ Underground Tank _____ Drums
_____ Aboveground Tank _____ Other
4. Waste Disposal: _____ Sewered _____ Onsite Recycling
_____ Hauled _____ Offsite Recycling
5. Is the waste treated prior to disposal? _____ Yes _____ No
If yes, specified treatment method:
6. Is waste stored prior to disposal? _____ Yes _____ No
7. Is manifest documentation available for designated waste streams? Yes No

---

1. Chemical Name: Calcium Chloride
2. Common/Trade Name: _____ Quantity Stored: 50 gal (1980 to 1987)
3. Storage Method: _____ Underground Tank _____ Drums
_____ Aboveground Tank _____ Other
4. Waste Disposal: _____ Sewered _____ Onsite Recycling
_____ Hauled _____ Offsite Recycling
5. Is the waste treated prior to disposal? _____ Yes _____ No
If yes, specified treatment method:
6. Is waste stored prior to disposal? _____ Yes _____ No
7. Is manifest documentation available for designated waste streams? Yes No

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1. Chemical Name: Calcium Fluoride
2. Common/Trade Name: _____ Quantity Stored: 10 gal (1983 to 1987)
3. Storage Method: _____ Underground Tank _____ Drums
_____ Aboveground Tank _____ Other
4. Waste Disposal: _____ Sewered _____ Onsite Recycling
_____ Hauled _____ Offsite Recycling
5. Is the waste treated prior to disposal? _____ Yes _____ No
If yes, specified treatment method:
6. Is waste stored prior to disposal? _____ Yes _____ No
7. Is manifest documentation available for designated waste streams? Yes No

---

1. Chemical Name: Calcium Nitrate
2. Common/Trade Name: _____ Quantity Stored: 95 gal (1983 to 1987)
3. Storage Method: _____ Underground Tank _____ Drums
_____ Aboveground Tank _____ Other
4. Waste Disposal: _____ Sewered _____ Onsite Recycling
_____ Hauled _____ Offsite Recycling
5. Is the waste treated prior to disposal? _____ Yes _____ No
If yes, specified treatment method:
6. Is waste stored prior to disposal? _____ Yes _____ No
7. Is manifest documentation available for designated waste streams? Yes No

---

1. Chemical Name: Chromium Sulfate
2. Common/Trade Name: _____ Quantity Stored: 25 gal (1987)
3. Storage Method: _____ Underground Tank _____ Drums
_____ Aboveground Tank _____ Other
4. Waste Disposal: _____ Sewered _____ Onsite Recycling
_____ Hauled _____ Offsite Recycling
5. Is the waste treated prior to disposal? _____ Yes _____ No
If yes, specified treatment method:
6. Is waste stored prior to disposal? _____ Yes _____ No
7. Is manifest documentation available for designated waste streams? Yes No

---

1. Chemical Name: Cobalt Nitrate
2. Common/Trade Name: _____ Quantity Stored: 50 gal (1987)
3. Storage Method: _____ Underground Tank _____ Drums
_____ Aboveground Tank _____ Other
4. Waste Disposal: _____ Sewered _____ Onsite Recycling
_____ Hauled _____ Offsite Recycling
5. Is the waste treated prior to disposal? _____ Yes _____ No
If yes, specified treatment method:
6. Is waste stored prior to disposal? _____ Yes _____ No
7. Is manifest documentation available for designated waste streams? Yes No

---

1. Chemical Name: Copper Alkaline Solution
2. Common/Trade Name: _____ Quantity Stored: 3 gal (1984 to 1985)
3. Storage Method: _____ Underground Tank _____ Drums
_____ Aboveground Tank _____ Other
4. Waste Disposal: _____ Sewered _____ Onsite Recycling
_____ Hauled _____ Offsite Recycling
5. Is the waste treated prior to disposal? _____ Yes _____ No
If yes, specified treatment method:
6. Is waste stored prior to disposal? _____ Yes _____ No
7. Is manifest documentation available for designated waste streams? Yes No

---

1. Chemical Name: Copper Ammonium Nitrate
2. Common/Trade Name: _____ Quantity Stored: 20 gal (1987)
3. Storage Method: _____ Underground Tank _____ Drums
_____ Aboveground Tank _____ Other
4. Waste Disposal: _____ Sewered _____ Onsite Recycling
_____ Hauled _____ Offsite Recycling
5. Is the waste treated prior to disposal? _____ Yes _____ No
If yes, specified treatment method:
6. Is waste stored prior to disposal? _____ Yes _____ No
7. Is manifest documentation available for designated waste streams? Yes No

---

1. Chemical Name: Copper Cyanide
2. Common/Trade Name: _____ Quantity Stored: 0.45 Ton (1977 to 1985)
3. Storage Method: _____ Underground Tank _____ Drums
_____ Aboveground Tank _____ Other
4. Waste Disposal: _____ Sewered _____ Onsite Recycling
_____ Hauled _____ Offsite Recycling
5. Is the waste treated prior to disposal? _____ Yes _____ No
If yes, specified treatment method:
6. Is waste stored prior to disposal? _____ Yes _____ No
7. Is manifest documentation available for designated waste streams? Yes No

---

1. Chemical Name: Copper Sulfate
2. Common/Trade Name: _____ Quantity Stored: 1.5 kg (1987)
3. Storage Method: _____ Underground Tank _____ Drums
_____ Aboveground Tank _____ Other
4. Waste Disposal: _____ Sewered _____ Onsite Recycling
_____ Hauled _____ Offsite Recycling
5. Is the waste treated prior to disposal? _____ Yes _____ No
If yes, specified treatment method:
6. Is waste stored prior to disposal? _____ Yes _____ No
7. Is manifest documentation available for designated waste streams? Yes No

---

1. Chemical Name: Ferric Sulfate
2. Common/Trade Name: _____ Quantity Stored: 435 gm (1987)
3. Storage Method: _____ Underground Tank _____ Drums
_____ Aboveground Tank _____ Other
4. Waste Disposal: _____ Sewered _____ Onsite Recycling
_____ Hauled _____ Offsite Recycling
5. Is the waste treated prior to disposal? _____ Yes _____ No
If yes, specified treatment method:
6. Is waste stored prior to disposal? _____ Yes _____ No
7. Is manifest documentation available for designated waste streams? Yes No

---

1. Chemical Name: Ferrous Ammonium Sulfate
2. Common/Trade Name: _____ Quantity Stored: 360 gm (1987)
3. Storage Method: _____ Underground Tank _____ Drums
_____ Aboveground Tank _____ Other
4. Waste Disposal: _____ Sewered _____ Onsite Recycling
_____ Hauled _____ Offsite Recycling
5. Is the waste treated prior to disposal? _____ Yes _____ No
If yes, specified treatment method:
6. Is waste stored prior to disposal? _____ Yes _____ No
7. Is manifest documentation available for designated waste streams? Yes No

---

1. Chemical Name: Ferric Sulfate
2. Common/Trade Name: _____ Quantity Stored: 60 gm (1987)
3. Storage Method: _____ Underground Tank _____ Drums
_____ Aboveground Tank _____ Other
4. Waste Disposal: _____ Sewered _____ Onsite Recycling
_____ Hauled _____ Offsite Recycling
5. Is the waste treated prior to disposal? _____ Yes _____ No
If yes, specified treatment method:
6. Is waste stored prior to disposal? _____ Yes _____ No
7. Is manifest documentation available for designated waste streams? Yes No

---

1. Chemical Name: Magnesium Chloride
2. Common/Trade Name: _____ Quantity Stored: 450 gm (1987)
3. Storage Method: _____ Underground Tank _____ Drums
_____ Aboveground Tank _____ Other
4. Waste Disposal: _____ Sewered _____ Onsite Recycling
_____ Hauled _____ Offsite Recycling
5. Is the waste treated prior to disposal? _____ Yes _____ No
If yes, specified treatment method:
6. Is waste stored prior to disposal? _____ Yes _____ No
7. Is manifest documentation available for designated waste streams? Yes No

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1. Chemical Name: Magnesium Oxide
2. Common/Trade Name: _____ Quantity Stored: 395 gm (1987)
3. Storage Method: _____ Underground Tank _____ Drums
_____ Aboveground Tank _____ Other
4. Waste Disposal: _____ Sewered _____ Onsite Recycling
_____ Hauled _____ Offsite Recycling
5. Is the waste treated prior to disposal? _____ Yes _____ No
If yes, specified treatment method:
6. Is waste stored prior to disposal? _____ Yes _____ No
7. Is manifest documentation available for designated waste streams? Yes No

---

1. Chemical Name: Magnesium Sulfate
2. Common/Trade Name: _____ Quantity Stored: 450 gm (1987)
3. Storage Method: _____ Underground Tank _____ Drums
_____ Aboveground Tank _____ Other
4. Waste Disposal: _____ Sewered _____ Onsite Recycling
_____ Hauled _____ Offsite Recycling
5. Is the waste treated prior to disposal? _____ Yes _____ No
If yes, specified treatment method:
6. Is waste stored prior to disposal? _____ Yes _____ No
7. Is manifest documentation available for designated waste streams? Yes No

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1. Chemical Name: Nickel Plate
2. Common/Trade Name: _____ Quantity Stored: 3 gal (1984)
3. Storage Method: _____ Underground Tank _____ Drums
_____ Aboveground Tank _____ Other
4. Waste Disposal: _____ Sewered _____ Onsite Recycling
_____ Hauled _____ Offsite Recycling
5. Is the waste treated prior to disposal? _____ Yes _____ No
If yes, specified treatment method:
6. Is waste stored prior to disposal? _____ Yes _____ No
7. Is manifest documentation available for designated waste streams? Yes No

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1. Chemical Name: Nickel Sulfamate (99%)
2. Common/Trade Name: Nickel Sulfamate # 24 Quantity Stored: 10 gal (1987)
3. Storage Method: _____ Underground Tank _____ Drums
_____ Aboveground Tank _____ Other
4. Waste Disposal: _____ Sewered _____ Onsite Recycling
_____ Hauled _____ Offsite Recycling
5. Is the waste treated prior to disposal? _____ Yes _____ No
If yes, specified treatment method:
6. Is waste stored prior to disposal? _____ Yes _____ No
7. Is manifest documentation available for designated waste streams? Yes No

---

1. Chemical Name: Nickel Sulfamate (99%)
2. Common/Trade Name: Nickel Sulfamate #101 Quantity Stored: 25 gal (1984 to 1985)
3. Storage Method: _____ Underground Tank _____ Drums
_____ Aboveground Tank _____ Other
4. Waste Disposal: _____ Sewered _____ Onsite Recycling
_____ Hauled _____ Offsite Recycling
5. Is the waste treated prior to disposal? _____ Yes _____ No
If yes, specified treatment method:
6. Is waste stored prior to disposal? _____ Yes _____ No
7. Is manifest documentation available for designated waste streams? Yes No

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1. Chemical Name: Nickel Sulfate
2. Common/Trade Name: _____ Quantity Stored: 430 gm (1987)
3. Storage Method: _____ Underground Tank _____ Drums
_____ Aboveground Tank _____ Other
4. Waste Disposal: _____ Sewered _____ Onsite Recycling
_____ Hauled _____ Offsite Recycling
5. Is the waste treated prior to disposal? _____ Yes _____ No
If yes, specified treatment method:
6. Is waste stored prior to disposal? _____ Yes _____ No
7. Is manifest documentation available for designated waste streams? Yes No

---

1. Chemical Name: Nickel Ammonium Sulfate
2. Common/Trade Name: _____ Quantity Stored: 95 gm (1987)
3. Storage Method: _____ Underground Tank _____ Drums
_____ Aboveground Tank _____ Other
4. Waste Disposal: _____ Sewered _____ Onsite Recycling
_____ Hauled _____ Offsite Recycling
5. Is the waste treated prior to disposal? _____ Yes _____ No
If yes, specified treatment method:
6. Is waste stored prior to disposal? _____ Yes _____ No
7. Is manifest documentation available for designated waste streams? Yes No

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1. Chemical Name: Potassium Biphthalate
2. Common/Trade Name: _____ Quantity Stored: 5 gm (1987)
3. Storage Method: _____ Underground Tank _____ Drums
_____ Aboveground Tank _____ Other
4. Waste Disposal: _____ Sewered _____ Onsite Recycling
_____ Hauled _____ Offsite Recycling
5. Is the waste treated prior to disposal? _____ Yes _____ No
If yes, specified treatment method:
6. Is waste stored prior to disposal? _____ Yes _____ No
7. Is manifest documentation available for designated waste streams? Yes No

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1. Chemical Name: Potassium Bromate
2. Common/Trade Name: _____ Quantity Stored: 450 gm (1987)
3. Storage Method: _____ Underground Tank _____ Drums
_____ Aboveground Tank _____ Other
4. Waste Disposal: _____ Sewered _____ Onsite Recycling
_____ Hauled _____ Offsite Recycling
5. Is the waste treated prior to disposal? _____ Yes _____ No
If yes, specified treatment method:
6. Is waste stored prior to disposal? _____ Yes _____ No
7. Is manifest documentation available for designated waste streams? Yes No

---

1. Chemical Name: Potassium Bromide
2. Common/Trade Name: _____ Quantity Stored: 450 gm (1987)
3. Storage Method: _____ Underground Tank _____ Drums
_____ Aboveground Tank _____ Other
4. Waste Disposal: _____ Sewered _____ Onsite Recycling
_____ Hauled _____ Offsite Recycling
5. Is the waste treated prior to disposal? _____ Yes _____ No
If yes, specified treatment method:
6. Is waste stored prior to disposal? _____ Yes _____ No
7. Is manifest documentation available for designated waste streams? Yes No

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1. Chemical Name: Potassium Carbonate
2. Common/Trade Name: _____ Quantity Stored: 2.5 kg (1987)
3. Storage Method: _____ Underground Tank _____ Drums
_____ Aboveground Tank _____ Other
4. Waste Disposal: _____ Sewered _____ Onsite Recycling
_____ Hauled _____ Offsite Recycling
5. Is the waste treated prior to disposal? _____ Yes _____ No
If yes, specified treatment method:
6. Is waste stored prior to disposal? _____ Yes _____ No
7. Is manifest documentation available for designated waste streams? Yes No

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1. Chemical Name: Potassium Chloride
2. Common/Trade Name: _____ Quantity Stored: 1000 gm (1987)
3. Storage Method: _____ Underground Tank _____ Drums
_____ Aboveground Tank _____ Other
4. Waste Disposal: _____ Sewered _____ Onsite Recycling
_____ Hauled _____ Offsite Recycling
5. Is the waste treated prior to disposal? _____ Yes _____ No
If yes, specified treatment method:
6. Is waste stored prior to disposal? _____ Yes _____ No
7. Is manifest documentation available for designated waste streams? Yes No

---

1. Chemical Name: Potassium Cyanide
2. Common/Trade Name: _____ Quantity Stored: 0.95 Ton (1977 to 1981)
3. Storage Method: _____ Underground Tank _____ Drums
_____ Aboveground Tank _____ Other
4. Waste Disposal: _____ Sewered _____ Onsite Recycling
_____ Hauled _____ Offsite Recycling
5. Is the waste treated prior to disposal? _____ Yes _____ No
If yes, specified treatment method:
6. Is waste stored prior to disposal? _____ Yes _____ No
7. Is manifest documentation available for designated waste streams? Yes No

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1. Chemical Name: Potassium Dichromate
2. Common/Trade Name: _____ Quantity Stored: 750 gm (1987)
3. Storage Method: _____ Underground Tank _____ Drums
_____ Aboveground Tank _____ Other
4. Waste Disposal: _____ Sewered _____ Onsite Recycling
_____ Hauled _____ Offsite Recycling
5. Is the waste treated prior to disposal? _____ Yes _____ No
If yes, specified treatment method:
6. Is waste stored prior to disposal? _____ Yes _____ No
7. Is manifest documentation available for designated waste streams? Yes No

---

1. Chemical Name: Potassium Ferricanide
2. Common/Trade Name: _____ Quantity Stored: 440 gm (1987)
3. Storage Method: _____ Underground Tank _____ Drums
_____ Aboveground Tank _____ Other
4. Waste Disposal: _____ Sewered _____ Onsite Recycling
_____ Hauled _____ Offsite Recycling
5. Is the waste treated prior to disposal? _____ Yes _____ No
If yes, specified treatment method:
6. Is waste stored prior to disposal? _____ Yes _____ No
7. Is manifest documentation available for designated waste streams? Yes No

---

1. Chemical Name: Potassium Ferrocyanide
2. Common/Trade Name: _____ Quantity Stored: 890 gm (1987)
3. Storage Method: _____ Underground Tank _____ Drums
_____ Aboveground Tank _____ Other
4. Waste Disposal: _____ Sewered _____ Onsite Recycling
_____ Hauled _____ Offsite Recycling
5. Is the waste treated prior to disposal? _____ Yes _____ No
If yes, specified treatment method:
6. Is waste stored prior to disposal? _____ Yes _____ No
7. Is manifest documentation available for designated waste streams? Yes No

---

1. Chemical Name: Potassium Fluoride
2. Common/Trade Name: _____ Quantity Stored: 2 kg (1987)
3. Storage Method: _____ Underground Tank _____ Drums
_____ Aboveground Tank _____ Other
4. Waste Disposal: _____ Sewered _____ Onsite Recycling
_____ Hauled _____ Offsite Recycling
5. Is the waste treated prior to disposal? _____ Yes _____ No
If yes, specified treatment method:
6. Is waste stored prior to disposal? _____ Yes _____ No
7. Is manifest documentation available for designated waste streams? Yes No

---

1. Chemical Name: Potassium Hydroxide
2. Common/Trade Name: _____ Quantity Stored: 0.8 Ton (1987)
3. Storage Method: _____ Underground Tank _____ Drums
_____ Aboveground Tank _____ Other
4. Waste Disposal: _____ Sewered _____ Onsite Recycling
_____ Hauled _____ Offsite Recycling
5. Is the waste treated prior to disposal? _____ Yes _____ No
If yes, specified treatment method:
6. Is waste stored prior to disposal? _____ Yes _____ No
7. Is manifest documentation available for designated waste streams? Yes No

---

1. Chemical Name: Potassium Iodate
2. Common/Trade Name: _____ Quantity Stored: 450 gm (1987)
3. Storage Method: _____ Underground Tank _____ Drums
_____ Aboveground Tank _____ Other
4. Waste Disposal: _____ Sewered _____ Onsite Recycling
_____ Hauled _____ Offsite Recycling
5. Is the waste treated prior to disposal? _____ Yes _____ No
If yes, specified treatment method:
6. Is waste stored prior to disposal? _____ Yes _____ No
7. Is manifest documentation available for designated waste streams? Yes No

---

1. Chemical Name: Potassium Iodide
2. Common/Trade Name: _____ Quantity Stored: 125 gm (1987)
3. Storage Method: _____ Underground Tank _____ Drums
_____ Aboveground Tank _____ Other
4. Waste Disposal: _____ Sewered _____ Onsite Recycling
_____ Hauled _____ Offsite Recycling
5. Is the waste treated prior to disposal? _____ Yes _____ No
If yes, specified treatment method:
6. Is waste stored prior to disposal? _____ Yes _____ No
7. Is manifest documentation available for designated waste streams? Yes No

---

1. Chemical Name: Potassium Permanganate
2. Common/Trade Name: _____ Quantity Stored: 800 gm (1987)
3. Storage Method: _____ Underground Tank _____ Drums
_____ Aboveground Tank _____ Other
4. Waste Disposal: _____ Sewered _____ Onsite Recycling
_____ Hauled _____ Offsite Recycling
5. Is the waste treated prior to disposal? _____ Yes _____ No
If yes, specified treatment method:
6. Is waste stored prior to disposal? _____ Yes _____ No
7. Is manifest documentation available for designated waste streams? Yes No

---

1. Chemical Name: Potassium Sulfate
2. Common/Trade Name: _____ Quantity Stored: 2.5 kg (1987)
3. Storage Method: _____ Underground Tank _____ Drums
_____ Aboveground Tank _____ Other
4. Waste Disposal: _____ Sewered _____ Onsite Recycling
_____ Hauled _____ Offsite Recycling
5. Is the waste treated prior to disposal? _____ Yes _____ No
If yes, specified treatment method:
6. Is waste stored prior to disposal? _____ Yes _____ No
7. Is manifest documentation available for designated waste streams? Yes No

---

1. Chemical Name: Potassium Thiocyanate
2. Common/Trade Name: _____ Quantity Stored: 400 gm (1987)
3. Storage Method: _____ Underground Tank _____ Drums
_____ Aboveground Tank _____ Other
4. Waste Disposal: _____ Sewered _____ Onsite Recycling
_____ Hauled _____ Offsite Recycling
5. Is the waste treated prior to disposal? _____ Yes _____ No
If yes, specified treatment method:
6. Is waste stored prior to disposal? _____ Yes _____ No
7. Is manifest documentation available for designated waste streams? Yes No

---

1. Chemical Name: Silver Chloride
2. Common/Trade Name: _____ Quantity Stored: 500 gm (1987)
3. Storage Method: _____ Underground Tank _____ Drums
_____ Aboveground Tank _____ Other
4. Waste Disposal: _____ Sewered _____ Onsite Recycling
_____ Hauled _____ Offsite Recycling
5. Is the waste treated prior to disposal? _____ Yes _____ No
If yes, specified treatment method:
6. Is waste stored prior to disposal? _____ Yes _____ No
7. Is manifest documentation available for designated waste streams? Yes No

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1. Chemical Name: Silver Nitrate
2. Common/Trade Name: _____ Quantity Stored: 10 gm (1987)
3. Storage Method: _____ Underground Tank _____ Drums
_____ Aboveground Tank _____ Other
4. Waste Disposal: _____ Sewered _____ Onsite Recycling
_____ Hauled _____ Offsite Recycling
5. Is the waste treated prior to disposal? _____ Yes _____ No
If yes, specified treatment method:
6. Is waste stored prior to disposal? _____ Yes _____ No
7. Is manifest documentation available for designated waste streams? Yes No

---

1. Chemical Name: Sodium Bicarbonate
2. Common/Trade Name: Baking Soda Quantity Stored: 2.5 kg (1987)
3. Storage Method: _____ Underground Tank _____ Drums
_____ Aboveground Tank _____ Other
4. Waste Disposal: _____ Sewered _____ Onsite Recycling
_____ Hauled _____ Offsite Recycling
5. Is the waste treated prior to disposal? _____ Yes _____ No
If yes, specified treatment method:
6. Is waste stored prior to disposal? _____ Yes _____ No
7. Is manifest documentation available for designated waste streams? Yes No

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1. Chemical Name: Sodium Bichromate
2. Common/Trade Name: _____ Quantity Stored: 0.25 Ton (1987)
3. Storage Method: _____ Underground Tank _____ Drums
_____ Aboveground Tank _____ Other
4. Waste Disposal: _____ Sewered _____ Onsite Recycling
_____ Hauled _____ Offsite Recycling
5. Is the waste treated prior to disposal? _____ Yes _____ No
If yes, specified treatment method:
6. Is waste stored prior to disposal? _____ Yes _____ No
7. Is manifest documentation available for designated waste streams? Yes No

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1. Chemical Name: Sodium Bifluoride
2. Common/Trade Name: _____ Quantity Stored: 2.3 kg (1987)
3. Storage Method: _____ Underground Tank _____ Drums
_____ Aboveground Tank _____ Other
4. Waste Disposal: _____ Sewered _____ Onsite Recycling
_____ Hauled _____ Offsite Recycling
5. Is the waste treated prior to disposal? _____ Yes _____ No
If yes, specified treatment method:
6. Is waste stored prior to disposal? _____ Yes _____ No
7. Is manifest documentation available for designated waste streams? Yes No

---

1. Chemical Name: Sodium Borate
2. Common/Trade Name: _____ Quantity Stored: 500 gm (1987)
3. Storage Method: _____ Underground Tank _____ Drums
_____ Aboveground Tank _____ Other
4. Waste Disposal: _____ Sewered _____ Onsite Recycling
_____ Hauled _____ Offsite Recycling
5. Is the waste treated prior to disposal? _____ Yes _____ No
If yes, specified treatment method:
6. Is waste stored prior to disposal? _____ Yes _____ No
7. Is manifest documentation available for designated waste streams? Yes No

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1. Chemical Name: Sodium Chloride
2. Common/Trade Name: _____ Quantity Stored: 150 gm (1987)
3. Storage Method: _____ Underground Tank _____ Drums
_____ Aboveground Tank _____ Other
4. Waste Disposal: _____ Sewered _____ Onsite Recycling
_____ Hauled _____ Offsite Recycling
5. Is the waste treated prior to disposal? _____ Yes _____ No
If yes, specified treatment method:
6. Is waste stored prior to disposal? _____ Yes _____ No
7. Is manifest documentation available for designated waste streams? Yes No

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1. Chemical Name: Sodium Cyanide
2. Common/Trade Name: _____ Quantity Stored: 3.25 Tons (1977 to 1987)
3. Storage Method: _____ Underground Tank _____ Drums
_____ Aboveground Tank _____ Other
4. Waste Disposal: _____ Sewered _____ Onsite Recycling
_____ Hauled _____ Offsite Recycling
5. Is the waste treated prior to disposal? _____ Yes _____ No
If yes, specified treatment method:
6. Is waste stored prior to disposal? _____ Yes _____ No
7. Is manifest documentation available for designated waste streams? Yes No

---

1. Chemical Name: Sodium Dichromate
2. Common/Trade Name: _____ Quantity Stored: 0.45 Ton (1978 to 1985)
3. Storage Method: _____ Underground Tank _____ Drums
_____ Aboveground Tank _____ Other
4. Waste Disposal: _____ Sewered _____ Onsite Recycling
_____ Hauled _____ Offsite Recycling
5. Is the waste treated prior to disposal? _____ Yes _____ No
If yes, specified treatment method:
6. Is waste stored prior to disposal? _____ Yes _____ No
7. Is manifest documentation available for designated waste streams? _____ Yes _____ No

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1. Chemical Name: Sodium Metabisulfate
2. Common/Trade Name: _____ Quantity Stored: 0.6 Ton (1986 to 1987)
3. Storage Method: _____ Underground Tank _____ Drums
_____ Aboveground Tank _____ Other
4. Waste Disposal: _____ Sewered _____ Onsite Recycling
_____ Hauled _____ Offsite Recycling
5. Is the waste treated prior to disposal? _____ Yes _____ No
If yes, specified treatment method:
6. Is waste stored prior to disposal? _____ Yes _____ No
7. Is manifest documentation available for designated waste streams? _____ Yes _____ No

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1. Chemical Name: Sodium Metasilicate
2. Common/Trade Name: _____ Quantity Stored: 500 gm (1987)
3. Storage Method: _____ Underground Tank _____ Drums
_____ Aboveground Tank _____ Other
4. Waste Disposal: _____ Sewered _____ Onsite Recycling
_____ Hauled _____ Offsite Recycling
5. Is the waste treated prior to disposal? _____ Yes _____ No
If yes, specified treatment method:
6. Is waste stored prior to disposal? _____ Yes _____ No
7. Is manifest documentation available for designated waste streams? _____ Yes _____ No

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1. Chemical Name: Sodium Peroxide
2. Common/Trade Name: _____ Quantity Stored: 100 gm (1987)
3. Storage Method: _____ Underground Tank _____ Drums
_____ Aboveground Tank _____ Other
4. Waste Disposal: _____ Sewered _____ Onsite Recycling
_____ Hauled _____ Offsite Recycling
5. Is the waste treated prior to disposal? _____ Yes _____ No
If yes, specified treatment method:
6. Is waste stored prior to disposal? _____ Yes _____ No
7. Is manifest documentation available for designated waste streams? _____ Yes _____ No

---

1. Chemical Name: Sodium Sulfate
2. Common/Trade Name: _____ Quantity Stored: 500 gm (1987)
3. Storage Method: _____ Underground Tank _____ Drums
_____ Aboveground Tank _____ Other
4. Waste Disposal: _____ Sewered _____ Onsite Recycling
_____ Hauled _____ Offsite Recycling
5. Is the waste treated prior to disposal? _____ Yes _____ No
If yes, specified treatment method:
6. Is waste stored prior to disposal? _____ Yes _____ No
7. Is manifest documentation available for designated waste streams? _____ Yes _____ No

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1. Chemical Name: Sodium Sulfide
2. Common/Trade Name: _____ Quantity Stored: 500 gm (1987)
3. Storage Method: _____ Underground Tank _____ Drums
_____ Aboveground Tank _____ Other
4. Waste Disposal: _____ Sewered _____ Onsite Recycling
_____ Hauled _____ Offsite Recycling
5. Is the waste treated prior to disposal? _____ Yes _____ No
If yes, specified treatment method:
6. Is waste stored prior to disposal? _____ Yes _____ No
7. Is manifest documentation available for designated waste streams? _____ Yes _____ No

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1. Chemical Name: Sodium Tartrate
2. Common/Trade Name: _____ Quantity Stored: 1.9 kg (1987)
3. Storage Method: _____ Underground Tank _____ Drums
_____ Aboveground Tank _____ Other
4. Waste Disposal: _____ Sewered _____ Onsite Recycling
_____ Hauled _____ Offsite Recycling
5. Is the waste treated prior to disposal? _____ Yes _____ No
If yes, specified treatment method:
6. Is waste stored prior to disposal? _____ Yes _____ No
7. Is manifest documentation available for designated waste streams? _____ Yes _____ No

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1. Chemical Name: Sodium Thiocyanate
2. Common/Trade Name: _____ Quantity Stored: 500 gm (1987)
3. Storage Method: _____ Underground Tank _____ Drums
_____ Aboveground Tank _____ Other
4. Waste Disposal: _____ Sewered _____ Onsite Recycling
_____ Hauled _____ Offsite Recycling
5. Is the waste treated prior to disposal? _____ Yes _____ No
If yes, specified treatment method:
6. Is waste stored prior to disposal? _____ Yes _____ No
7. Is manifest documentation available for designated waste streams? _____ Yes _____ No

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1. Chemical Name: Sodium Thiosulfate
2. Common/Trade Name: _____ Quantity Stored: 2000 gm (1987)
3. Storage Method: _____ Underground Tank _____ Drums
_____ Aboveground Tank _____ Other
4. Waste Disposal: _____ Sewered _____ Onsite Recycling
_____ Hauled _____ Offsite Recycling
5. Is the waste treated prior to disposal? _____ Yes _____ No
If yes, specified treatment method:
6. Is waste stored prior to disposal? _____ Yes _____ No
7. Is manifest documentation available for designated waste streams? _____ Yes _____ No

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1. Chemical Name: Stannic Flo Borate
2. Common/Trade Name: Tin Acid Quantity Stored: 75 gal (1977 to 1987)
3. Storage Method: _____ Underground Tank _____ Drums
_____ Aboveground Tank _____ Other
4. Waste Disposal: _____ Sewered _____ Onsite Recycling
_____ Hauled _____ Offsite Recycling
5. Is the waste treated prior to disposal? _____ Yes _____ No
If yes, specified treatment method:
6. Is waste stored prior to disposal? _____ Yes _____ No
7. Is manifest documentation available for designated waste streams? _____ Yes _____ No

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1. Chemical Name: Stannous Chloride
2. Common/Trade Name: _____ Quantity Stored: 200 gm (1987)
3. Storage Method: _____ Underground Tank _____ Drums
_____ Aboveground Tank _____ Other
4. Waste Disposal: _____ Sewered _____ Onsite Recycling
_____ Hauled _____ Offsite Recycling
5. Is the waste treated prior to disposal? _____ Yes _____ No
If yes, specified treatment method:
6. Is waste stored prior to disposal? _____ Yes _____ No
7. Is manifest documentation available for designated waste streams? _____ Yes _____ No

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1. Chemical Name: Strontium Nitrate
2. Common/Trade Name: _____ Quantity Stored: 400 gm (1987)
3. Storage Method: _____ Underground Tank _____ Drums
_____ Aboveground Tank _____ Other
4. Waste Disposal: _____ Sewered _____ Onsite Recycling
_____ Hauled _____ Offsite Recycling
5. Is the waste treated prior to disposal? _____ Yes _____ No
If yes, specified treatment method:
6. Is waste stored prior to disposal? _____ Yes _____ No
7. Is manifest documentation available for designated waste streams? _____ Yes _____ No

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1. Chemical Name: Titanium Dioxide
2. Common/Trade Name: _____ Quantity Stored: 400 gm (1987)
3. Storage Method: _____ Underground Tank _____ Drums
_____ Aboveground Tank _____ Other
4. Waste Disposal: _____ Sewered _____ Onsite Recycling
_____ Hauled _____ Offsite Recycling
5. Is the waste treated prior to disposal? _____ Yes _____ No
If yes, specified treatment method:
6. Is waste stored prior to disposal? _____ Yes _____ No
7. Is manifest documentation available for designated waste streams? _____ Yes _____ No

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1. Chemical Name: Zinc Chromate
2. Common/Trade Name: _____ Quantity Stored: 4 gal (1987)
3. Storage Method: _____ Underground Tank _____ Drums
_____ Aboveground Tank _____ Other
4. Waste Disposal: _____ Sewered _____ Onsite Recycling
_____ Hauled _____ Offsite Recycling
5. Is the waste treated prior to disposal? _____ Yes _____ No
If yes, specified treatment method:
6. Is waste stored prior to disposal? _____ Yes _____ No
7. Is manifest documentation available for designated waste streams? _____ Yes _____ No

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1. Chemical Name: Zinc Oxide
2. Common/Trade Name: _____ Quantity Stored: 2000 gm (1987)
3. Storage Method: _____ Underground Tank _____ Drums
_____ Aboveground Tank _____ Other
4. Waste Disposal: _____ Sewered _____ Onsite Recycling
_____ Hauled _____ Offsite Recycling
5. Is the waste treated prior to disposal? _____ Yes _____ No
If yes, specified treatment method:
6. Is waste stored prior to disposal? _____ Yes _____ No
7. Is manifest documentation available for designated waste streams? _____ Yes _____ No

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1. Chemical Name: Zinc Sulfate
2. Common/Trade Name: _____ Quantity Stored: _____
3. Storage Method: _____ Underground Tank _____ Drums
_____ Aboveground Tank _____ Other
4. Waste Disposal: _____ Sewered _____ Onsite Recycling
_____ Hauled _____ Offsite Recycling
5. Is the waste treated prior to disposal? _____ Yes _____ No
If yes, specified treatment method:
6. Is waste stored prior to disposal? _____ Yes _____ No
7. Is manifest documentation available for designated waste streams? _____ Yes _____ No

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APPLICATION FOR WELL PERMIT
ENVIRONMENTAL HEALTH 2525 Corporate Place Monterey Park, Ca 91754
COUNTY OF LOS ANGELES DEPARTMENT OF HEALTH SERVICES

DATE 6-28-93

DESCRIPTION

TYPE OF PERMIT (CHECK)
- [ ] NEW WELL CONSTRUCTION
- [ ] RECONSTRUCTION OR RENOVATION
- [x] DESTRUCTION

TYPE OF WELL
- [ ] PRIVATE DOMESTIC
- [ ] PUBLIC DOMESTIC
- [ ] IRRIGATION
- [x] OBSERVATION/MONITORING
- [ ] CATHODIC
- [ ] INDUSTRIAL
- [x] GRAVEL PACK
- [ ] TEST

TYPE OF CASING 6 5/8" X .250 MILD STEEL - 430' T.D.

METHOD OF SEALING OF CASING 120' CONCRETE / BENTONITE SEAL

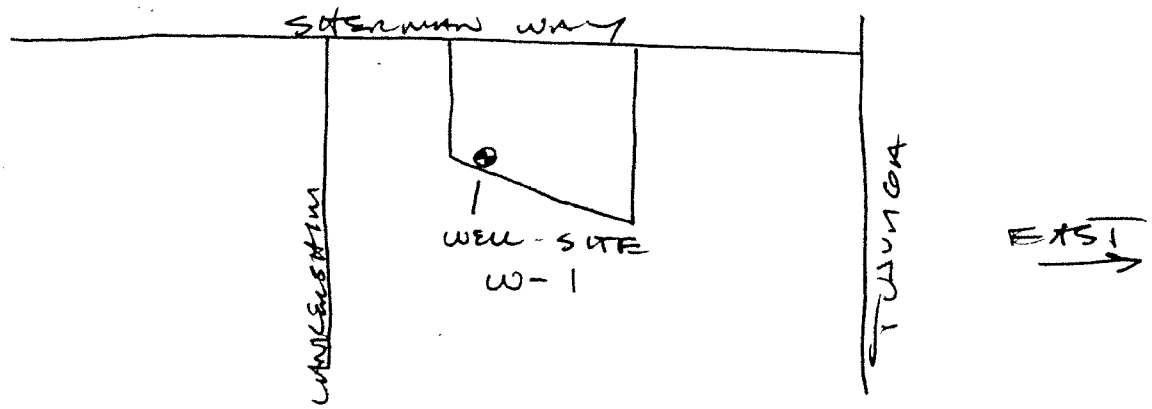
METHOD OF DESTRUCTION EXCAVATE AROUND TOP 5' OF CASING / REMOVE TOP 5' OF CASING / INSTALL TREMIE PIPE & PRESSURE GROUT 10 SACK SLURRY

LOCATION

ADDRESS (NUMBER, STREET, AND NEAREST INTERSECTION) 11600 SHERMAN WAY / LANKERSHEIM - EAST OF

CITY N. HOLLYWOOD

DIAGRAM (SHOW PROPERTY LINES, STREET, ADDRESS, WELL SITE, SEWERS, AND PRIVATE SEWAGE DISPOSAL SYSTEMS ALONG WITH LABELS AND DIMENSIONS)



APPLICANT

NAME OF WELL DRILLER (PRINT) McCALLA WATER WELL

TRADE NAME McCALLA

BUSINESS ADDRESS 13855 CENTRAL AVE CITY CHINO

NAME OF WELL OWNER (PRINT) ALLIED SIGNAL

MAILING ADDRESS 11600 SHERMAN WAY

CITY N. HOLLYWOOD, CA.

I hereby agree to comply in every respect with all regulations of the County Preventive/Public Health Services and with all ordinances and laws of the County of Los Angeles and of the State of California pertaining to well construction, reconstruction and destruction. Upon completion of well and within ten days thereafter, I will furnish the County Preventive/Public Health Services with a complete log of the well, giving date drilled, depth of well, all perforations in casing, and any other data deemed necessary by such County Preventive/Public Health Services.

Applicant's Signature

DISPOSITION OF APPLICATION: (For Sanitarians Use Only)
- [x] APPROVED
- [ ] DENIED
- [ ] APPROVED WITH CONDITIONS

If denied or approved with conditions, report reason or conditions here:

DATE 7/6/93 SANITARIAN

76A668
H-13 (Rev. 3/91)

When signed by Section Chief, this application is a permit.

APPLICANT

Please Return All Copies

3/28/06 104(e)
0202

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
21865 East Copley Drive, Diamond Bar, CA 91765

AQMD

PERMIT TO CONSTRUCT/OPERATE

page 1
Permit No.
R-F56654
A/N 406889

This initial permit must be renewed ANNUALLY unless the equipment is removed or changes ownership.
If the billing for annual renewal fee (Rule 301.D) is not received by the expiration date, contact the District.

LEGAL OWNER OR OPERATOR: ENVIROSUPPLY & SERVICE, INC
1791 KAISER AVE
IRVINE, CA 92614

ID 134055

Equipment Location: 11668 SHERMAN WAY, NORTH HOLLYWOOD, CA 91605

Equipment Description:

SOIL-VAPOR EXTRACTION AND TREATMENT SYSTEM FOR HYDROCARBON IN-SITU REMEDIATION (ES & S, MODEL NO. CET 200, SERIAL NO. 278), CONSISTING OF:

1. VAPOR EXTRACTION WELLS.
2. LIQUID VAPOR SEPARATOR.
3. EXTRACTION BLOWER, MAXIMUM 200 SCFM, 7.5 H.P.
4. THREE ACTIVATED CARBON ADSORBERS, IN SERIES, WITH 3000 POUNDS TOTAL OF ACTIVATED CARBON.
5. EXHAUST STACK, 13' HIGH ABOVE GRADE.

Conditions:

1) OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.

2) THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.

3) IDENTIFICATION TAG(S) OR NAME PLATE(S) SHALL BE DISPLAYED ON THE EQUIPMENT TO SHOW MANUFACTURER MODEL NO. AND SERIAL NO. THE TAG(S) SHALL BE ISSUED BY THE MANUFACTURER AND SHALL BE AFFIXED TO THE EQUIPMENT IN A PERMANENT AND CONSPICUOUS POSITION.

4) CURRENT CONTACT PERSON NAME, COMPANY, AND PHONE NUMBER SHALL BE DISPLAYED IN A PERMANENT AND CONSPICUOUS POSITION.

5) A FLOW INDICATOR SHALL BE MAINTAINED AT THE INLET STREAM(S) TO THE VAPOR CONTROL SYSTEM TO INDICATE THE TOTAL AIR FLOW RATE IN STANDARD CUBIC FEET PER MINUTE (SCFM). IN CASE A PRESSURE SENSOR DEVICE IS USED IN PLACE OF THE FLOW INDICATOR, A CONVERSION CHART SHALL BE AVAILABLE TO INDICATE THE CORRESPONDENT FLOW RATE, IN SCFM, TO THE PRESSURE READING.

ORIGINAL

MANAGEMENT DI ICT
21865 East Copley Drive, Diamond Bar, CA 91765

AQMD

PERMIT TO CONSTRUCT/OPERATE

CONTINUATION OF PERMIT TO CONSTRUCT/OPERATE

6) THE TOTAL FLOW RATE MEASURED UNDER CONDITION NO. 5 SHALL NOT EXCEED 200 SCFM.

7) THE EXTRACTION BLOWER SHALL ONLY BE OPERATED WHEN ALL EXTRACTED VAPORS ARE VENTED TO THREE CARBON ADSORBERS CONNECTED IN SERIES WITH AT LEAST 3000 POUNDS OF TOTAL ACTIVATED CARBON.

8) VOLATILE ORGANIC COMPOUNDS (VOC) CONCENTRATION SHALL BE MEASURED AT THE INLET AND OUTLET OF THE PRIMARY ADSORBER AND THE OUTLET OF THE SECONDARY AND TERTIARY ADSORBERS AT LEAST ONCE EVERY OPERATING DAY FOR THE FIRST 14 DAYS AND MONTHLY THEREAFTER, BY USING A PHOTO IONIZATION DETECTOR (PID) OR AQMD APPROVED ORGANIC VAPOR ANALYZER CALIBRATED IN PARTS PER MILLION BY VOLUME (PPMV) OF HEXANE.

9) GRAB SAMPLES SHALL BE COLLECTED FROM THE INLET TO THE PRIMARY ADSORBER AND AT THE OUTLET OF THE TERTIARY ADSORBER, AT LEAST ONCE EVERY OPERATING DAY FOR THE FIRST WEEK AND MONTHLY THEREAFTER. THE SAMPLES SHALL BE ANALYZED, AND SPECIATED IN ACCORDANCE WITH THE SCAQMD APPROVED METHODS, FOR VOLATILE ORGANIC COMPOUNDS (VOCs) CONCENTRATIONS, IN PPMV. THE RESULTS OF THE FIRST WEEK AND MONTHLY GRAB SAMPLES SHALL BE RECORDED AND MAINTAINED ON FILE.

10) WHENEVER THE VOC CONCENTRATION AT THE OUTLET OF SECONDARY ADSORBER REACHES 50 PPMV, AS HEXANE, THEN THE CARBON SHALL BE REPLACED AS FOLLOWS:

A. PRIMARY ADSORBER REPLACED WITH EITHER FRESH ADSORBENT OR ADSORBENT IN SECONDARY ADSORBER,

B. SECONDARY ADSORBER REPLACED WITH TERTIARY ADSORBENT, AND

C. TERTIARY ADSORBENT REPLACED WITH FRESH ADSORBENT.

11) THE PCE AND TCE CONCENTRATION MEASURED, UNDER CONDITION NO. 9, AT THE OUTLET OF THE TERTIARY CARBON ADSORBER SHALL NOT EXCEED 14.2 PPBV AND 234 PPBV, RESPECTIVELY.

ORIGINAL

AQMD

21865 East Copley Drive, Diamond Bar, CA 91765

PERMIT TO CONSTRUCT/OPERATE

CONTINUATION OF PERMIT TO CONSTRUCT/OPERATE

12) THIS EQUIPMENT SHALL NOT BE OPERATED TO EXTRACT AND TREAT THE COMPOUNDS LISTED IN TABLE-I, UNDER RULE 1401, AMENDED ON MAY 3, 2002, EXCEPT THE FOLLOWING;

A. 1,1-DICHLOROETHYLENE
B. 1,1,1-TRICHLOROETHANE
C. BENZENE
D. TRICHLOROETHYLENE (TCE)
E. TOLUENE
F. TETRACHLOROETHYLENE (PCE)
G. ETHYLBENZENE
H. XYLENES (ISOMERS & MIXERS)
I. 1,3,5-TRIMETHYLBENZENE
J. 1,2,4-TRIMETHYLBENZENE
K. TRACES OF OTHER ORGANICS (NOT TO EXCEED 2 PPBV)

13) THE OPERATOR SHALL SUBMIT IN WRITING THE RESULTS OF THE FIRST MONTH OF MONITORING, GRAB SAMPLES' ANALYSIS, THE WEEKLY VAPOR INLET FLOW RATE READINGS (SCFM). AND THE INITIAL VERIFICATION OF SOIL CHARACTERIZATION ANALYSIS. THE RESULTS SHALL BE SUBMITTED TO THE ATTENTION OF:

SCAQMD, TOXICS AND WASTE MANAGEMENT TEAM, 21865 E. COPLEY DRIVE, DIAMOND BAR, CA 91765. THE SUBMITTAL SHALL INCLUDE A COPY OF THE ACTIVE PERMIT.

14) THE ACTIVATED CARBON USED IN THE ADSORBER SHALL HAVE A CARBON TETRACHLORIDE (CTC) NO. OF NOT LESS THAN 60% AS MEASURED BY ASTM METHOD D3467.

15) UPON COMPLETION, ANY VAPOR EXTRACTION WELL(S) AND DUCT(S) SHALL BE CAPPED TO PREVENT VAPORS FROM VENTING TO THE ATMOSPHERE. VAPORS SHALL NOT BE EXTRACTED FROM THE SOIL, UNLESS VENTED TO THE VAPOR CONTROL SYSTEM.

16) RECORDS SHALL BE MAINTAINED AS REQUIRED TO DETERMINE COMPLIANCE WITH THE PERMIT CONDITIONS. THE RECORDS SHALL BE KEPT FOR AT LEAST TWO YEARS AND MADE AVAILABLE TO AQMD PERSONNEL UPON REQUEST.

THIS PERMIT TO CONSTRUCT/OPERATE R-F56654 SUPERSEDES PERMIT TO CONSTRUCT/OPERATE F56654 ISSUED 12/03/2002.

NOTICE

IN ACCORDANCE WITH RULE 206, THIS PERMIT TO OPERATE OR COPY SHALL BE POSTED ON OR WITHIN 8 METERS OF THE EQUIPMENT.

ORIGINAL

PERMIT TO CONSTRUCT/OPERATE

CONTINUATION OF PERMIT TO CONSTRUCT/OPERATE

THIS PERMIT DOES NOT AUTHORIZE THE EMISSION OF AIR CONTAMINANTS IN EXCESS OF THOSE ALLOWED BY DIVISION 26 OF THE HEALTH AND SAFETY CODE OF THE STATE OF CALIFORNIA OR THE RULES OF THE AIR QUALITY MANAGEMENT DISTRICT. THIS PERMIT CANNOT BE CONSIDERED AS PERMISSION TO VIOLATE EXISTING LAWS, ORDINANCES, REGULATIONS OR STATUTES OF OTHER GOVERNMENT AGENCIES.

EXECUTIVE OFFICER

Dorris M. Bailey

By Dorris M. Bailey/gr01
1/7/2003

ORIGINAL

PERMIT APPLICATION - NON-PRODUCTION WELLS

[illegible] & SEWAGE / MOUNTAIN & RURAL PROGRAMS - ENVIRONMENTAL HEALTH DIVISION
[illegible] COMMERCE DRIVE, BALDWIN PARK, CA 91706 (626) 430-5380 FAX (626) 813-3016

DATE: 7/23/04

[X] NEW WELL CONSTRUCTION
___ RECONSTRUCTION OR RENOVATION
___ DECOMMISSIONING
___ OTHER: ___

[X] MONITORING
___ CATHODIC
___ INJECTION
___ EXTRACTION

___ HEAT EXCHANGE
___ OTHER (Specify): GW-11

SITE ADDRESS: 7400 LANKERSHIM	CITY: NORTH HOLLYWOOD		ZIP CODE: 91605
Township	Range	Section	Map Book Page/Grid: ATTACHED

NO. OF WELLS IN EACH PARCEL: 1 — Attach site map with well locations

Type and Size of Production Casing	4" - Sch 80 PVC
Sanitary / Annular Sealing Material	GROUT / BENTONITE
Depth of Sanitary / Annular Seal	SEE DRAWING
Conductor Casing Seal	SEE DRAWING

Company	PARSONS
Contact Person	JAMES HANLON
Address	100 W. WALNUT ST
City, State Zip	PASADENA, CA 91124
Telephone	(626) 440-6340

Well Owner	HONEYWELL INT'L INC
Address	2525 W 190TH ST
City / Zip Code	TORRANCE, CA 90504
Telephone	(310) 512-2296
Well Driller	WDC EXPLORATION & WELLS
Address	8866 ARROW HWY
City / Zip Code	MONTCLAIR, CA 91763
C-57 License No.	783326
Telephone	1(800) 994-2769

IF WELL AND GEOLOGIC CONDITIONS ENCOUNTERED IN THE FIELD ARE FOUND TO DIFFER FROM THE SCOPE OF WORK PRESENTED TO THIS OFFICE, WORK PLAN MODIFICATIONS MAY BE REQUIRED

DISPOSITION OF PERMIT (Department Use Only)
THIS PERMIT IS CONSIDERED COMPLETE WHEN THE WORK PLAN IS APPROVED AND WHEN THE WELL COMPLETION LOG IS RECEIVED. NO WELL CONSTRUCTION OR DECOMMISSIONING CAN BE INITIATED WITHOUT THE WORK PLAN APPROVAL FROM THIS DEPARTMENT.

Date: 8-3-04 REHS: [signature]

Conditions:
KEEP THE WELL A MINIMUM (10) TEN FEET AWAY FROM THE ON-SITE SEWER AND/OR STORM DRAIN LINES.
PLEASE NOTIFY THE DEPT. A MINIMUM (2) TWO BUSINESS DAYS PRIOR TO STARTING WORK
(818) 902-4457

Well Depth log / records	
Method of Well Assessment	
Depth and Number of Perforations	
Type of Perforator Size of Perforations	
Type and Amount of Sealant	
Method of Upper Seal Pressure Application	

Date: ___ REHS: ___

Date: ___ REHS: ___

I hereby agree to comply in every respect with all the regulations of the County Environmental Health Division and with all ordinances and laws of the County of Los Angeles and the State of California pertaining to well construction, reconstruction and decommissioning. Upon completion of the well and within thirty days thereafter, I will furnish the Environmental Health office with a completion log of the well giving date drilled, depth of the well, perforations in the casing, and any other data deemed necessary by County Environmental Health Division.

Applicant Signature

Applicant Name: (PRINT) JAMES HANLON
Telephone: (626) 440-6340

TGA88-A
H-33 (Rev. 01/2001)

[illegible]LL PERMIT APPLICATION — NON-PRODUCTION WELLS

[illegible]ATER & SEWAGE / MOUNTAIN & RURAL PROGRAMS - ENVIRONMENTAL HEALTH DIVISION
5050 COMMERCE DRIVE, BALDWIN PARK, CA 91706 (626) 430-5380 FAX (626) 813-3016

DATE: 7/23/04

[X] NEW WELL CONSTRUCTION
___ RECONSTRUCTION OR RENOVATION
___ DECOMMISSIONING
___ OTHER: ___

[X] MONITORING
___ CATHODIC
___ INJECTION
___ EXTRACTION

___ HEAT EXCHANGE
___ OTHER (Specify): GW-12

SITE ADDRESS: 11651 HART ST
CITY: NORTH HOLLYWOOD
ZIP CODE: 91605

Township	Range	Section	Map Book Page/Grid
			ATTACHED

NO. OF WELLS IN EACH PARCEL: 2

Attach site map with well locations

Type and Size of Production Casing	4" - SCH 80 PVC
Sanitary / Annular Sealing Material	GROUT / BENTONITE
Depth of Sanitary / Annular Seal	SEE DRAWING
Conductor Casing Seal	SEE DRAWING

Company	PARSONS
Contact Person	JAMES HANLON
Address	100 W. WALNUT ST
City, State Zip	PASADENA, CA 91124
Telephone	(626) 440-6340

Well Owner	HONEYWELL INT'L INC
Address	2525 W 190TH ST
City / Zip Code	TORRANCE, CA 90504
Telephone	(310) 512-2296
Well Driller	WDC EXPLORATION & WELLS
Address	5566 ARROW HWY
City / Zip Code	MONTCLAIRE, CA 91763
C-57 License No.	283326
Telephone	1(800) 994-2769

IF WELL AND GEOLOGIC CONDITIONS ENCOUNTERED IN THE FIELD ARE FOUND TO DIFFER FROM THE SCOPE OF WORK PRESENTED TO THIS OFFICE, WORK PLAN MODIFICATIONS MAY BE REQUIRED.

DISPOSITION OF PERMIT (Department Use Only)
THIS PERMIT IS CONSIDERED COMPLETE WHEN THE WORK PLAN IS APPROVED AND WHEN THE WELL COMPLETION LOG IS RECEIVED. NO WELL CONSTRUCTION OR DECOMMISSIONING CAN BE INITIATED WITHOUT THIS WORK PLAN APPROVAL FROM THIS DEPARTMENT.

Date 8-3-04	REHS [signature]

Conditions

KEEP THE WELLS A MINIMUM (10) TEN FEET HORIZONTALLY FROM THE ON-SITE SEWER AND/OR STORM DRAIN LINES

PLEASE NOTIFY THE DEPT. A MINIMUM (2) TWO BUSINESS DAYS PRIOR TO STARTING WORK (818) 902-4457.

Well Depth log / records	
Method of Well Assessment	
Depth and Number of Perforations	
Type of Perforator Size of Perforations	
Type and Amount of Sealant	
Method of Upper Seal Pressure Application	

I hereby agree to comply in every respect with all the regulations of the County Environmental Health Division and with all ordinances and laws of the County of Los Angeles and the State of California pertaining to well construction, reconstruction and decommissioning. Upon completion of the well and within thirty days thereafter, I will furnish the Environmental Health office with a completion log of the well giving date drilled, depth of the well, perforations in the casing, and any other data deemed necessary by County Environmental Health Division.

[signature]
Applicant's Signature

Applicant Name (PRINT) Telephone (626) 440-6340

Date	REHS

Date	REHS

[illegible] (Rev. [illegible])

TOTAL P.05

3/28/06 104(e)
0210

WELL PERMIT APPLICATION - NON-PRODUCTION WELLS

WATER & SEWAGE / MOUNTAIN & RURAL PROGRAMS - ENVIRONMENTAL HEALTH DIVISION
5050 COMMERCE DRIVE, BALDWIN PARK, CA 91706 (626) 430-5380 FAX (626) 813-3016

DATE: 7/23/04

- [X] NEW WELL CONSTRUCTION
- [ ] RECONSTRUCTION OR RENOVATION
- [ ] DECOMMISSIONING
- [ ] OTHER:

- [X] MONITORING
- [ ] CATHODIC
- [ ] INJECTION
- [ ] EXTRACTION
- [ ] HEAT EXCHANGE
- [ ] OTHER (Specify): GW-16

SITE ADDRESS: 11651 HART ST	CITY: NORTH HOLLYWOOD		ZIP CODE: 91605
Township	Range	Section	Map Book Page/ Grid: ATTACHED

NO. OF WELLS IN EACH PARCEL: 2 — Attach site map with well locations

Type and Size of Production Casing	4" - SCH80 PVC
Sanitary / Annular Sealing Material	GROUT / BENTONITE
Depth of Sanitary / Annular Seal	SEE DRAWING
Conductor Casing Seal	SEE DRAWING

Company	PARSONS
Contact Person	JAMES HANSON
Address	100 W. WALNUT ST
City, State Zip	PASADENA, CA 91124
Telephone	(626) 440-6340

Well Owner	HONEYWELL INT'L INC
Address	2525 W 190TH ST
City / Zip Code	TORRANCE, CA 90504
Telephone	(310) 517-2246
Well Driller	WDC EXPLORATION & WELLS
Address	5566 ARROW HWY
City / Zip Code	MONTCLAIR, CA 91763
C-57 License No.	783326
Telephone	1(800) 974-2769

Well Depth log / records	
Method of Well Abandonment	
Depth and Number of Perforations	
Type of Perforator Size of Perforations	
Type and Amount of Sealant	
Method of Upper Seal Pressure Application	

IF WELL AND GEOLOGIC CONDITIONS ENCOUNTERED IN THE FIELD ARE FOUND TO DIFFER FROM THE SCOPE OF WORK PRESENTED TO THIS OFFICE, WORK PLAN MODIFICATIONS MAY BE REQUIRED

DISPOSITION OF PERMIT (Department Use Only)
THIS PERMIT IS CONSIDERED COMPLETE WHEN THE WORK PLAN IS APPROVED AND WHEN THE WELL COMPLETION LOG IS RECEIVED. NO WELL CONSTRUCTION OR DECOMMISSIONING CAN BE INITIATED WITHOUT THE WORK PLAN APPROVAL FROM THIS DEPARTMENT.

Date	REHS

Conditions

Date	REHS

Date	REHS

I hereby agree to comply in every respect with all the regulations of the County Environmental Health Division and with all ordinances and laws of the County of Los Angeles and the State of California pertaining to well construction, reconstruction and decommissioning. Upon completion of the well and within thirty days thereafter, I will furnish the Environmental Health office with a completion log of the well giving date drilled, depth of the well, perforations in the casing, and any other data deemed necessary by County Environmental Health Division.

Applicant's Signature

Applicant's Name (PRINT)
Telephone (626) 440-6340

76A66BA
H-13 (Rev. 01/2001)

[illegible]L PERMIT APPLICATION - NON-PRODUCTION WELLS

[illegible]TER & SEWAGE / MOUNTAIN & RURAL PROGRAMS - ENVIRONMENTAL HEALTH DIVISION
[illegible]50 COMMERCE DRIVE, BALDWIN PARK, CA 91706 (626) 430-5380 FAX (626) 813-3016

DATE: 7/23/04

- [X] NEW WELL CONSTRUCTION
- ___ RECONSTRUCTION OR RENOVATION
- ___ DECOMMISSIONING
- ___ OTHER:

- [X] MONITORING
- ___ CATHODIC
- ___ INJECTION
- ___ EXTRACTION

- ___ HEAT EXCHANGE
- ___ OTHER (Specify): G.W.-17

SITE ADDRESS: 11625 HART ST CITY: NORTH HOLLYWOOD ZIP CODE: 91605

Township	Range	Section	Map Book Page/ Grid
			ATTACHED

NO. OF WELLS IN EACH PARCEL: Attach site map with well locations

Type and Size of Production Casing	4" - SCH 80 PVC
Sanitary / Annular Sealing Material	GROUT / BENTONITE
Depth of Sanitary / Annular Seal	SEE DRAWING
Conductor Casing Seal	SEE DRAWING

Company	PARSONS
Contact Person	JAMES HANLON
Address	100 W. WALNUT ST
City, State Zip	PASADENA CA 91124
Telephone	(626) 440-6340

Well Owner	HONEYWELL INT'L INC
Address	2525 W 190TH ST
City / Zip Code	TORRANCE, CA 90504
Telephone	(310) 512-2296
Well Driller	WDC EXPLORATION & WELLS
Address	5566 ARROW HWY
City / Zip Code	MONTCLAIRE, CA 91763
C-57 License No.	283326
Telephone	1(800) 974-2769

Well Depth log / records	
Method of Well Assessment	
Depth and Number of Perforations	
Type of Perforator Size of Perforations	
Type and Amount of Sealant	
Method of Upper Seal Pressure Application	

IF WELL AND GEOLOGIC CONDITIONS ENCOUNTERED IN THE FIELD ARE FOUND TO DIFFER FROM THE SCOPE OF WORK PRESENTED TO THIS OFFICE, WORK PLAN MODIFICATIONS MAY BE REQUIRED

DISPOSITION OF PERMIT (Department Use Only)
THIS PERMIT IS CONSIDERED COMPLETE WHEN THE WORK PLAN IS APPROVED AND WHEN THE WELL COMPLETION LOG IS RECEIVED. NO WELL CONSTRUCTION OR DECOMMISSIONING CAN BE INITIATED WITHOUT THE WORK PLAN APPROVAL FROM THIS DEPARTMENT.

Date: 8-3-04 REHS: [signature]

Conditions:

KEEP THE WELL A MINIMUM (10) TEN FEET HORIZONTALLY AWAY FROM THE ON-SITE SEWER AND/OR STORM DRAIN LINES.
PLEASE NOTIFY THE DEPT. A MINIMUM (2) TWO BUSINESS DAYS PRIOR TO STARTING WORK
(818) 902-4457

Date: REHS:

Date: REHS:

[illegible]ereby agree to comply in every respect with all the regulations of the [illegible]unty Environmental Health Division and with all ordinances and laws of [illegible] County of Los Angeles and the State of California pertaining to well [illegible]struction, reconstruction and decommissioning. Upon completion of the [illegible]ll and within thirty days thereafter, I will furnish the Environmental [illegible]alth office with a completion log of the well giving date drilled, depth of the [illegible]ll, perforations in the casing, and any other data deemed necessary by [illegible]unty Environmental Health Division.

[signature]
Applicant's Signature

[illegible]licant Name (PRINT) [illegible]phone (626) 440-6340

[illegible]A
[illegible] 01/2001

3/28/06 104(e)
0212

WELL PERMIT APPLICATION **NON-PRODUCTION WELLS**

WATER & SEWAGE / MOUNTAIN & RURAL PROGRAMS - ENVIRONMENTAL HEALTH DIVISION
5050 COMMERCE DRIVE, BALDWIN PARK, CA 91706 (626) 430-5380 FAX (626) 813-3016

DATE: 1-25-05

X NEW WELL CONSTRUCTION	X MONITORING	___ HEAT EXCHANGE
___ RECONSTRUCTION OR RENOVATION	___ CATHODIC	___ OTHER (Specify):
___ DECOMMISSIONING	___ INJECTION	
___ OTHER:	___ EXTRACTION	Wells GW-11, -13, + -17

WELL LOCATION

SITE ADDRESS	CITY	ZIP CODE
11600 Sherman Way	North Hollywood	91605

Township	Range	Section	Map Book Page/ Grid

NO. OF WELLS IN EACH PARCEL: Attach site map with well locations

WELL STRUCTURE

Type and Size of Production Casing	
Sanitary / Annular Sealing Material	
Depth of Sanitary / Annular Seal	
Conductor Casing Seal	

CONSULTANT

Company	MWH
Contact Person	Rick Thomasser
Address	1340 Treat Blvd., Suite 300
City, State Zip	Walnut Creek, CA 94597
Telephone	(925) 975-3436

OWNER / DRILLER INFORMATION

Well Owner	Honeywell International Inc.
Address	2525 W. 190th Street
City / Zip Code	Torrance CA 90504
Telephone	(310) 512-2296
Well Driller	WOC Exploration + Wells
Address	5566 Arrow Highway
City / Zip Code	Montclair, CA 91763
C-57 License No.	283326
Telephone	(800) 974-2769

IF WELL AND GEOLOGIC CONDITIONS ENCOUNTERED IN THE FIELD ARE FOUND TO DIFFER FROM THE SCOPE OF WORK PRESENTED TO THIS OFFICE, WORK PLAN MODIFICATIONS MAY BE REQUIRED

WELL DECOMMISSIONING

Well Depth log / records	
Method of Well Assessment	
Depth and Number of Perforations	
Type of Perforator Size of Perforations	
Type and Amount of Sealant	
Method of Upper Seal Pressure Application	

DISPOSITION OF PERMIT (Department Use Only)
THIS PERMIT IS CONSIDERED COMPLETE WHEN THE WORK PLAN IS APPROVED AND WHEN THE WELL COMPLETION LOG IS RECEIVED. NO WELL CONSTRUCTION OR DECOMMISSIONING CAN BE INITIATED WITHOUT THE WORK PLAN APPROVAL FROM THIS DEPARTMENT.

WORK PLAN APPROVAL
This Approval is Valid for 180 Days

Date	REHS
Conditions	

I hereby agree to comply in every respect with all the regulations of the County Environmental Health Division and with all ordinances and laws of the County of Los Angeles and the State of California pertaining to well construction, reconstruction and decommissioning. Upon completion of the well and within thirty days thereafter, I will furnish the Environmental Health office with a completion log of the well giving date drilled, depth of the well, perforations in the casing, and any other data deemed necessary by County Environmental Health Division.

for Rick Thomasser
Applicant's Signature

Applicant Name: (PRINT) MICHAEL FLAUGHER
Telephone: (714) 646-2007

FINAL INSPECTION

Date	REHS

PERMIT ISSUED
The well log must be submitted to this Department prior to issuance of the final approval

Date	REHS

76A668-A
H-13 (Rev. 01/2001)

3/28/06 104(e)
0213

MWH

March 27, 2006

Mr. Dixon Oriola
California Regional Water Quality Control Board
Los Angeles Region
320 West 4th Street, Suite 200
Los Angeles, California 90013

Subject: Submittal of Additional Information for Waste Discharge Requirements (WDR) Permit Application for Former Honeywell North Hollywood Site
11600 Sherman Way, North Hollywood, California

Dear Mr. Oriola:

MWH Americas, Inc. (MWH), on behalf of Honeywell International Inc. (Honeywell), submitted a Soil and Interim Groundwater Remedial Action Plan (SIGRAP), dated July 30, 2004, for the Former Honeywell North Hollywood Site (Site) to the Regional Water Quality Control Board – Los Angeles Region (RWQCB). In a letter addressed to Mr. Benny DeHghi dated April 13, 2005, the RWQCB approved the SIGRAP with the requirement that an individual WDR permit be obtained for the Site. In a letter dated May 31, 2005, MWH submitted a WDR package to the RWQCB that included the WDR application, a check for $5,668.00, and supplemental information.

During the latter part of 2005, Site-specific pilot testing was conducted in accordance with the approved SIGRAP. As discussed in the SIGRAP, the results of the testing provide additional design basis information for the remediation design. Therefore, this letter is submitted to amend Honeywell's WDR application to include the information presented herein.

INTRODUCTION

To obtain critical Site-specific remediation design information, the SIGRAP proposed conducting pilot studies. As part of these pilot studies, MWH conducted soil sampling, a soil reductant demand test, groundwater treatment and settleability tests, and an infiltration test. Based on results from these tests, an engineering analysis was conducted to finalize the system process design. A brief summary of the protocols and procedures followed during the pilot studies is presented below, as well as the resulting recommendations.

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SOIL INVESTIGATION

Soil sampling was conducted in the source area of the Site to obtain representative soil samples impacted with hexavalent chromium for a soil reductant demand test. Four borings, TS-1, TS-2, TS-3, and TS-4 were drilled on September 14, 2005 by BC^2 Environmental Corp. of Fullerton, California (BC^2). Locations are shown on Figure 1.

Underground Service Alert (USA) was notified before the start of drilling activities; however, since USA does not clear utilities on private property, utility clearances were conducted by Spectrum Geophysics of Burbank, California (Spectrum). Final soil boring locations were selected based on utility clearances. Utility clearances are presented in Attachment A. No permits were needed for the soil borings.

Four soil borings were advanced using a hollow-stem auger drill rig equipped with 8-inch-outside diameter, continuous-flight, hollow-stem augers. Soil samples were collected at 5-foot intervals to approximately 55 feet below ground surface (bgs). Soil samples were collected using a modified California split spoon sampler containing three, 2-inch-diameter by 6-inch-long stainless steel sample retainers. The sample retainers were removed from the sampler immediately upon retrieval, sealed with Teflon® film and plastic end caps, labeled, entered into chain-of-custody protocol, placed in an ice-chilled cooler, and picked up by a courier and delivered to Columbia Analytical Services, Inc. in Canoga Park, California (Columbia).

Soil samples were analyzed for the following:

- Arsenic, iron, and manganese using United States Environmental Protection Agency (EPA) Method 6010,
- Hexavalent chromium using EPA Method 7199,
- Sulfate using EPA Method 9056,
- Sulfide using SW 9034, and
- Total organic carbon (TOC) using the Walkley Black method.

Lab results are summarized in Table 1 and provided in Attachment B.

Soil from cuttings and other sample retainers not sent to Columbia underwent soil classification and geologic logging, in accordance with the Unified Soil Classification System (USCS) as presented in American Society for Testing and Materials (ASTM) Standard D2488, and classification by color using a Munsell Color Chart. All soil borings were backfilled with bentonite slurry, then capped at the surface with asphalt to match the existing surface grade. Geologic boring logs for soil borings are presented in Attachment C. A cross section is presented as Figure 2.

Non-dedicated drilling and sampling equipment used during field sampling were decontaminated between borings and sample intervals to minimize cross-contamination potential. Augers were steam cleaned between boring locations. Reusable sampling equipment was decontaminated by brushing with Alconox solution, rinsing with tap water, and final rinsing with deionized water.

Investigative-derived waste (decontamination water and soil cuttings) was contained in Department of Transportation-approved, labeled, 55-gallon steel drums. The drums were temporarily stored in a paved area, on-site. Waste was removed and properly disposed of after certified laboratory analytical results were provided to the waste hauler.

GROUNDWATER SAMPLING AND TESTING

Site groundwater was collected from two wells for bench-scale scoping tests. One 5-gallon groundwater sample was collected from well GW-15 (known to be impacted with hexavalent chromium) on September 1, 2005 by Blaintech, Inc. of Carson, California (Blaintech) during routine quarterly sampling activities, to select the most effective dosing rates of calcium polysulfide for treatment of Site groundwater impacted with hexavalent chromium. One 5-gallon groundwater sample was collected from GW-6 (known to be non-detect for hexavalent chromium) on October 7, 2005 by Blaintech to use for creating a soil slurry for the soil reductant demand test.

Each groundwater sample was collected in a 5-gallon plastic cube using a 2-inch diameter submersible Grundfos® Redi-Flo II® pump. The pump was equipped with a check valve to prevent backflow into the well. The pump was placed 3 feet below the top of the water column, to collect groundwater from the uppermost portion of the formation. Purging activities were not conducted prior to the sample collection of GW-6, and no sampling parameters were noted except the depth to groundwater. Standard sampling protocol was followed for GW-15, providing sampling parameters including temperature, conductivity, pH and dissolved oxygen. After the sample collection, the sample was labeled, placed in an ice-chilled insulated cooler and transported under a chain-of-custody protocol to MWH Applied Research Development (ARD) Laboratory located in Monrovia, California.

Once received by the ARD Laboratory, groundwater samples were transported under chain-of-custody protocol to Del-Mar Analytical of Irvine, California (Del-Mar) and analyzed for the following:

- Arsenic, ferric iron, and manganese using EPA Method 6010,
- Hexavalent chromium using EPA Method 7199,
- Sulfate using EPA Method 9056,
- Sulfide using SW 9034, and
- TOC using Walkley Black.

Lab results are summarized in Table 2 and provided in Attachment D (GW-6).

BENCH-SCALE TESTING

The soil samples collected on September 14, 2005 and the groundwater sample collected from GW-6 on October 7, 2005, were used to determine the concentration of dissolved chromium in soil, to assess the soil reductant demand, and to measure the pH and oxidation/reduction potential (ORP) of soil slurry samples. The groundwater collected on September 15, 2005 from GW-15, which contains one of the highest concentrations of hexavalent chromium in groundwater at the Site, was used for a chemical precipitation treatment settleability test.

Soil Reductant Demand Testing

Concentrations of dissolved hexavalent chromium in interstitial fluids in the moist soil were determined in the ARD Laboratory with a HACH field test kit on September 15, 2005. Each sample was prepared using one part soil to three parts deionized (DI) water (total DI water used was 3 milliliters [ml]). The results are presented in Table 3.

Soils that contained a high amount of hexavalent chromium (as determined by the dissolved chromium test) were selected and combined together. A portion of the soil mix was set aside as a control soil mix. A control soil slurry was then prepared by using the remaining soil mix and Site groundwater collected from GW-6, a non-impacted well. Once thoroughly mixed, soil was settled out enabling the liquid to be decanted off. The liquid was filtered with a 0.45 micron filter and placed in a 500-ml polyethylene laboratory container. This liquid sample became the control slurry liquid.

The control soil slurry was divided into six sub-samples. One sub-sample was set aside. The others were dosed with 0.1%, 0.5%, 1.0%, 5.0%, and 10% concentrations of calcium polysulfide. Measurements of slurry pH and ORP were made to provide data on the required reagent dose required to achieve generation of reduced conditions in soil. Measurements were repeated on an hourly basis for 4 hours to determine long-term trends. Slurry pH and ORP results are presented in Table 4.

Upon completion of the test, soil was settled out of the 0.5% and 5.0% calcium polysulfide slurry to enable the liquid to be decanted off. The liquid was filtered with a 0.45 micron filter and two, 500-ml laboratory samples of 0.5% calcium polysulfide and 5.0% calcium polysulfide liquid were prepared. The liquid and the remaining soil slurry that was treated with 0.5% and 5.0% calcium polysulfide were submitted to Del-Mar under standard chain-of-custody protocol and analyzed for the following:

- Arsenic, ferric iron, and manganese using EPA Method 6010B,
- Hexavalent chromium using EPA Method 7199,
- Sulfate, nitrate using EPA Method 300.0,
- Sulfide using EPA Method 376.2 Modified.

Laboratory results are summarized in Table 5 and presented in Attachment D.

Settleability Test

A settleability test was performed by MWH on September 15, 2005 in the ARD Laboratory to determine the most appropriate dosing rate for treatment of groundwater impacted with hexavalent chromium. Water used for the settleability tests was obtained from GW-15, which contains one of the highest concentrations of hexavalent chromium in groundwater at the Site.

The impacted groundwater was distributed into five, 1-liter Imhoff Cones and dosed with calcium polysulfide at rates of 0.5%, 1.0%, 2.5%, 5.0%, and 10% to determine the settling rate of the solids. Initial ORP was noted and color and flocculation were documented on an approximate 15-minute interval for approximately 5 hours to document long-term trends of the settling solids. An observation table is provided as Table 6. A photographic log is provided as Attachment E.

Upon completion of the test, final ORP and pH were noted. A 200-ml sample of each liquid was prepared and submitted to Columbia for analysis under chain-of-custody protocol. Liquid samples were analyzed for the following:

- Dissolved arsenic, iron, and manganese using EPA Method 6020, and
- Hexavalent chromium using EPA Method 7199.

Laboratory results are summarized in Table 7 and presented in Attachment F.

INFILTRATION TEST

MWH conducted a 24-hour infiltration test on November 16-17, 2005, in accordance with the approved SIGRAP to determine the infiltration rate of native Site soils and gather field data to help design the full-scale remediation system for reduction of hexavalent chromium in soil at the Site.

A 10-foot by 10-foot by 4-foot deep area was excavated in the southeast corner of the Kaiser Property (Figure 3). The walls of the excavation area were covered with plastic sheeting to prevent the lateral leakage of water. Two 3-inch diameter, 4-foot long standpipes were constructed of Schedule 40 polyvinyl chloride (PVC) and were installed in opposite corners (northeast and southwest corners) and were used to measure water level readings during the test. The manifold was constructed of 4-inch, Schedule 40 PVC and placed on the bottom of the excavation. Approximately 2 feet of pea gravel was placed in the excavation area. A schematic of the infiltration test set-up is shown on Figure 4.

Potable water from a fire hydrant located approximately 240 feet north of the excavation area on the Kaiser facility was used for this infiltration test. Water was routed through a 2.5-inch diameter, national standard fire hose to the excavation area. At the test area, this hose was transitioned to 2-inch diameter Schedule 40 PVC. A gate valve was installed upstream of the high volume turbine flow totalizer to accurately adjust the flow rate. A ball valve was also installed downstream of the totalizer prior to the manifold piping that runs into the excavation area.

The test was designed to determined the steady-state infiltration rate required to maintain a water level 2 feet below grade surface (specifically, to maintain a water level just at the surface of the pea gravel in the excavation). Throughout the 24-hour test, field readings, including water levels at the two standpipes and the meter totalizers at the fire hydrant and test area, were collected and recorded. The water infiltration test started at an average of 28.5 gallons per minute (gpm) and was increased from there. Figure 5 shows the infiltration flow rate over the 24-hour testing period. Based upon the results of the test, a steady-state infiltration rate of 40 gpm was sustained over the 100 square-foot area.

EX-SITU CHROMIUM GROUNDWATER TREATMENT ALTERNATIVES

As described in the approved SIGRAP, MWH believes that the most effective and lowest cost remedial approach for Site remediation is *in-situ* chemical reduction of the hexavalent chromium to effectively insoluble trivalent chromium. Chemical precipitation and filtration involves the addition of chemicals to reduce and precipitate hexavalent chromium to trivalent chromium and is the original conceptual process MWH described in the SIGRAP. As stated in the SIGRAP, primary vadose and saturated zone remediation would be accomplished with calcium polysulfide injection through a source area infiltration basin. However, as part of the remediation effort, groundwater will be extracted and treated above ground prior to being dosed with calcium polysulfide and infiltrated through the basin. This groundwater extraction and treatment is likely to be the most complex and costly component of the remedial process; therefore, during the initial design stages, MWH has been focusing on the most cost-effective alternative for *ex-situ* groundwater treatment.

The SIGRAP describes treatment of the extracted groundwater using calcium polysulfide. However, results of the treatability study indicated that while only a very low dose of calcium polysulfide is needed to reduce hexavalent chromium in influent groundwater, a minimum dosage of 2.5% calcium polysulfide (by volume), to possibly as high as 5% calcium polysulfide (by volume), would be required to efficiently precipitate out colloidal solids. At the expected extraction flow rate of the system, contaminant mass loading, resulting equipment size and chemical usage requirements, and space limitations, it became evident that such a system may not best address all Site-specific health, safety, and odor concerns or that it may not be the most implementable or cost-effective technology for this site.

Therefore, MWH initiated an evaluation into alternatives for *ex-situ* treatment of the extracted water prior to dosing with calcium polysulfide and infiltration to the basin in the source area. Electrochemical precipitation, reverse osmosis, and ion exchange were evaluated and a brief summary of this evaluation of alternatives is presented below.

Electrochemical Precipitation

Electrochemical precipitation is used in industry to pre-treat wastewater; however, the initial capital costs are high (likely more than $1 million initial capital cost) and as pre-treatment, the process has difficulty reducing hexavalent chromium concentrations to less than 100 micrograms per liter (μg/L), requiring additional treatment with a secondary process for our application. In addition, the systems are large and operationally intensive. Relatively few design and manufacturing firms are available. Several that were contacted were either no longer in the electrochemical business or were unwilling to provide a quote without retainers, significant Site-specific data, and/or Site groundwater for testing. For these reasons, electrochemical precipitation was not investigated further.

Reverse Osmosis

Reverse osmosis is capable of achieving non-detectable chromium concentrations in the effluent water. However, after discussions with several contacts knowledgeable with the process, it was determined that reverse osmosis would provide little benefit for this particular application because nearly one-fourth of the flow is waste to flush the then-higher concentration hexavalent chromium brine from the units. This reduces the volume of water requiring treatment; but the chromium mass remains the same, requiring a secondary system with associated capital and operating costs. The result is the overall cost per gallon treated would be higher than the other individual technologies by themselves and the system footprint would be larger with more equipment, increasing the risk of malfunction and associated repair costs. This technology was not investigated further.

Ion Exchange

Ion exchange is similar to a house-hold water softener; however, because hexavalent chromium (CrO_2^{-2} or $HCrO_4^-$ in water) is an anion, an anion exchange resin is used. Chloride anions (Cl^-) are replaced by hexavalent chromium. Appearance and operation are similar to a granular activated carbon (GAC) system, with at least two units in a lead/lag configuration. Once the lead unit resin is fully "loaded" or "spent," it is taken off-line for regeneration. This is indicated by detectable or elevated hexavalent chromium concentrations in the lead unit effluent. The unit can be regenerated on- or off-site using a highly concentrated saline solution. Effluent concentrations from the lag unit are typically non-detect for hexavalent chromium. Unlike other systems, the regeneration rate and resulting brine production and disposal (the primary operating costs) are directly proportional to hexavalent chromium and sulfate concentrations. Sulfate is the primary anion competing with hexavalent chromium for resin sorption sites. This results in very low operating costs if influent concentrations are low and proportionately higher costs for

higher concentration influent streams. Resin loading is also proportional to the pH, with maximum loading for many resins being achieved at a pH of approximately 4.5; therefore, pH adjustment may be conducted. If lowered, the pH would then be increased to 7.0, using sodium hydroxide, prior to reinjection. To prolong resin life, prefiltration with media or cartridge filters is also common. The prefiltration and pressure vessels simplify insertion of lead and lag GAC vessels downstream of the resin vessels for VOC removal prior to reinjection.

The primary drawback to using ion exchange at this Site is that another anion, sulfate, will compete for and utilize sorption sites on the resin. More than 70 milligrams per liter (mg/L) of sulfate are present in Site groundwater, compared to 2 mg/L of hexavalent chromium. The resin utilization is not one for one because hexavalent chromium sorbs more strongly to the resin than sulfate and there are other minor anions that interplay; therefore, the interaction on the column is complex and difficult to predict without column testing. Field modifications, such as a third vessel can be used to permit elevated effluent concentrations from the first vessel. This can help increase hexavalent chromium loading of the first vessel even if sulfate concentrations are elevated. One of the possible calcium polysulfide reaction products is sulfate. The *in-situ* processes that result in sulfate production and conversion back to sulfide are complex and beyond the scope of this evaluation; therefore, changes in sulfate concentrations over time, although likely manageable, are an inherent risk associated with this technology.

RESULTS AND CONCLUSIONS

The following section discusses the results of the pilot tests described above and the conclusions that can be drawn.

- Boring logs to total depth indicate the lithology in the area where soil samples were collected consists primarily of sand (Attachment C, Figure 2).
- The soil analytical data (Table 1) demonstrate that there has been vertical migration of hexavalent chromium in interstitial moisture to the explored depth of 60 feet bgs. Such hexavalent chromium would be expected to continue to be mobile, as moisture percolates downward through the soil, as demonstrated by the soil slurry tests (Table 3). Soil boring TS-4 demonstrates an inverse relation between hexavalent chromium and TOC (Table 1), consistent with the ability of TOC to reduce and attenuate hexavalent chromium (Palmer and Puls, 1994). The soil contains low concentrations of arsenic, but high natural concentrations of iron, most of which is likely in the ferric state.
- Low dose rates of calcium polysulfide (as low as 0.1%, Table 4) are capable of generating negative ORP values, which can reduce hexavalent chromium to the trivalent form. Unlike what has been seen at some other sites, the calcium polysulfide does not reduce the nitrate present in the groundwater (Table 5), but does convert low-solubility ferric iron to the mobile ferrous form, which is also an effective reductant of hexavalent chromium.

- Percolation of a solution of calcium polysulfide through the vadose zone would displace, under plug-flow conditions, a portion of the mobile hexavalent chromium into the underlying, impacted groundwater (which is the primary reason a groundwater extraction well will be installed through the infiltration basin), but would effectively immobilize and reduce the residual vadose-zone chromium to the trivalent form. A dose rate of 1 to 3% calcium polysulfide is sufficient to achieve such reduction in soil. The percolation would convert some of the ferric iron to the mobile ferrous form, together with manganese present in the ferric hydroxide soil deposits. The ferrous ions would then react with and reduce hexavalent chromium, thereby serving as a long-term reductant in the vadose zone.
- As noted on Table 6 and shown in Attachment E, reaction began immediately upon addition of calcium polysulfide to the impacted groundwater, even at the low dose of 0.1% calcium polysulfide. In fact, the water samples analyzed upon completion of the settleability test (Table 7) all had non-detectable concentrations of hexavalent chromium at all calcium polysulfide dosage rates. However, the solids are not settled out of the dosed water after 5 hours until a calcium polysulfide rate of greater than 2.5%.
- Results of the infiltration test indicated that native Site soils will be able to maintain and deliver adequate reductant solution during full-scale remediation efforts.

While calcium polysulfide has been shown to be effective for initial treatment of contaminated groundwater, experience at other sites with greater than 2.5% calcium polysulfide reductant solution has demonstrated that such treatment results in a super-saturated calcium carbonate solution and resultant plugging of surface treatment systems and injection wells, increasing operation and maintenance significantly. In addition, the expected extraction flow rates at this Site would require very large equipment and large volumes of calcium polysulfide, resulting in high costs.

RECOMMENDATION

The pilot studies described above have provided additional Site-specific information critical to efficient and cost-effective remediation system design. The overall treatment process, as described in the approved SIGRAP, has not changed. However, instead of using chemical precipitation for treatment of *ex-situ* groundwater, an off-the-shelf ion exchange treatment system will be used. Once treated above ground, the water will be dosed with calcium polysulfide and infiltrated to the subsurface through a basin at the source area, as described in the approved SIGRAP.

CLOSING

MWH, on behalf of Honeywell, respectfully requests that this letter serve as an amendment to Honeywell's WDR application. If you have any questions or would like additional information, please feel free to contact Mr. Richard Thomasser at (707) 227-0407 or Ms. Lisa Hall at (714) 646-2001.

Sincerely,

MWH Americas, Inc.

Lisa A. Hall

Lisa A. Hall, P.E.
Principal Engineer

Richard M. Thomasser, P.G.
Project Manager

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RICHARD M. THOMASSER
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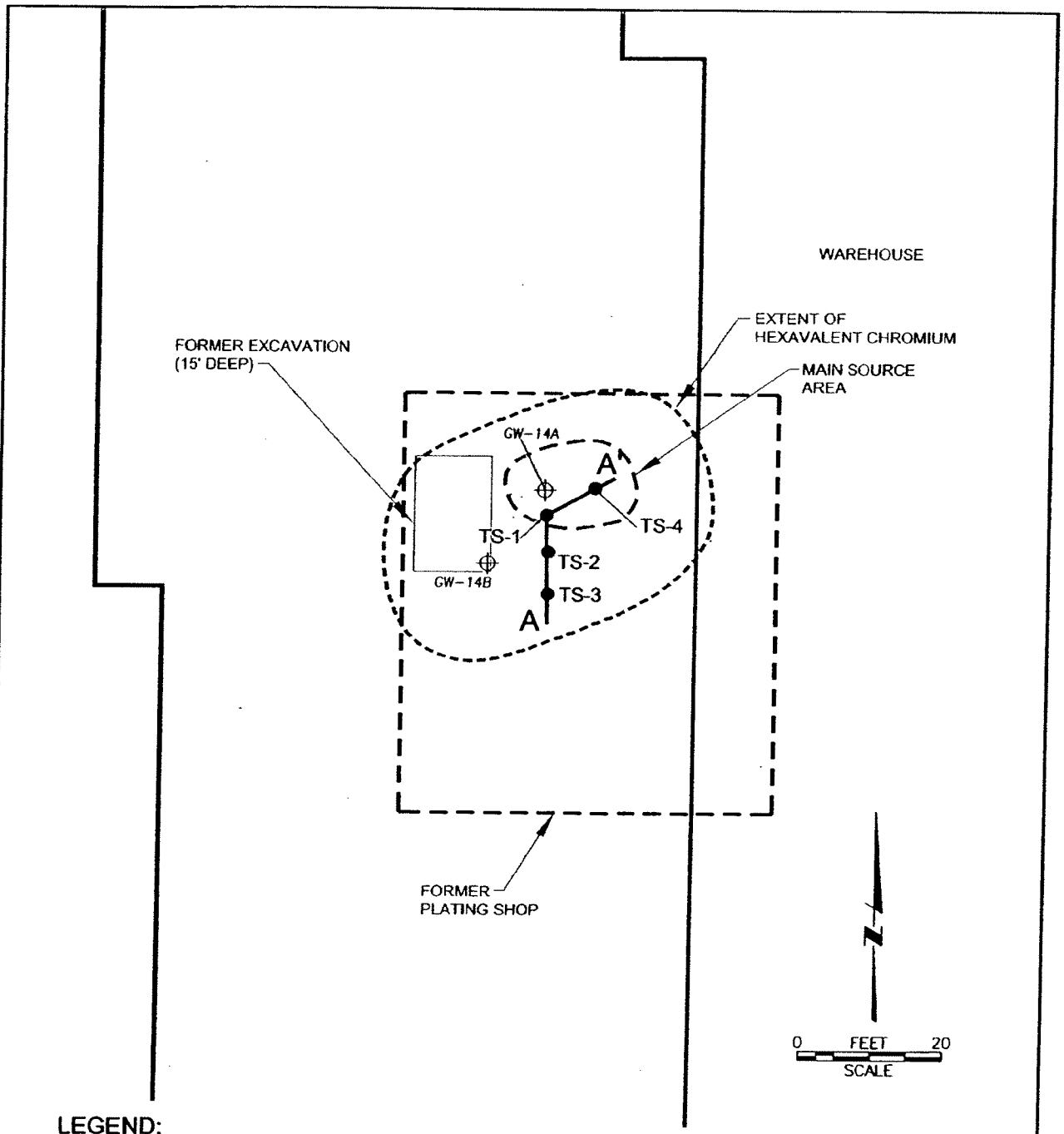
Exp. 11/07
STATE OF CALIFORNIA

cc: Mr. Benny DeHghi, Honeywell
Mr. Alex Lapostol

Attachments: Figures
Tables
Attachment A - Utility Clearance
Attachment B - Analytical Results from Soil Sampling
Attachment C - Boring Logs
Attachment D - Analytical Results from Soil Reductant Demand Test
Attachment E - Photographic Log
Attachment F - Analytical Results from Settleability Test

USOCO1/Project/Honeywell/North Hollywood/Permitting/WDR Permit Appl Amendment/L_RWQCB_WDR Amend_March 2006.doc

FIGURES



LEGEND:

TS-3 ●	TREATIBILITY SOIL BORING LOCATION
GW-14A ⊕	GROUNDWATER MONITORING WELL
A ——— A'	CROSS SECTION LINE
- - - - - - - -	APPROXIMATE AREA OF HEXAVALENT CHROMIUM IMPACS IN SOIL
— — — —	APPROXIMATE SOURCE AREA OF HEXAVALENT CHROMIUM

SOURCE:
PARSON'S BASEMAP DATED JANUARY 2004

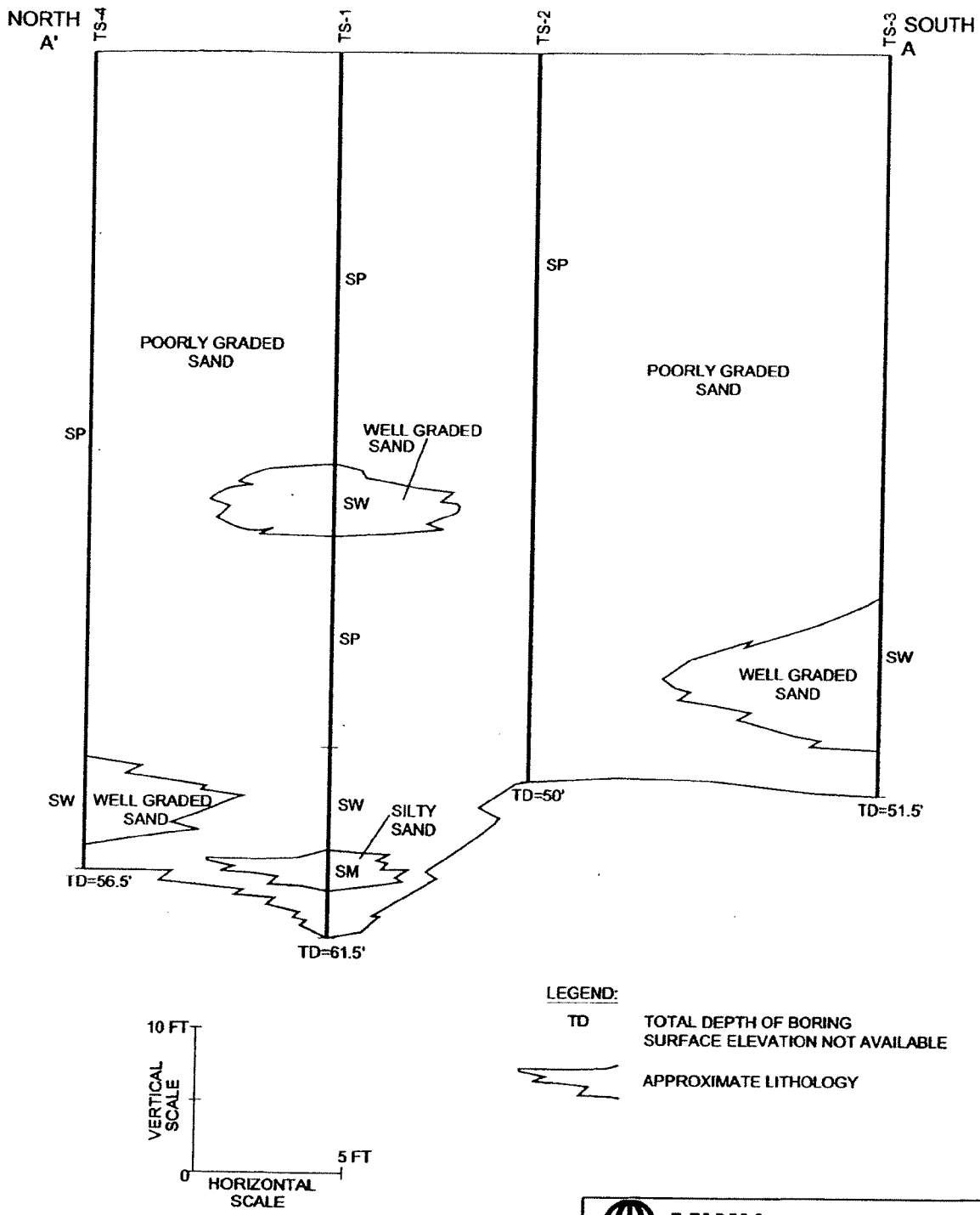
MWH

HONEYWELL NORTH HOLLYWOOD
NORTH HOLLYWOOD, CALIFORNIA

TREATIBILITY STUDY AREA

FIGURE 1

FILE: CADMLUERKE\HONEYWELL\NORTH HOLLYWOOD\TREATIBILITY STUDY 12 05



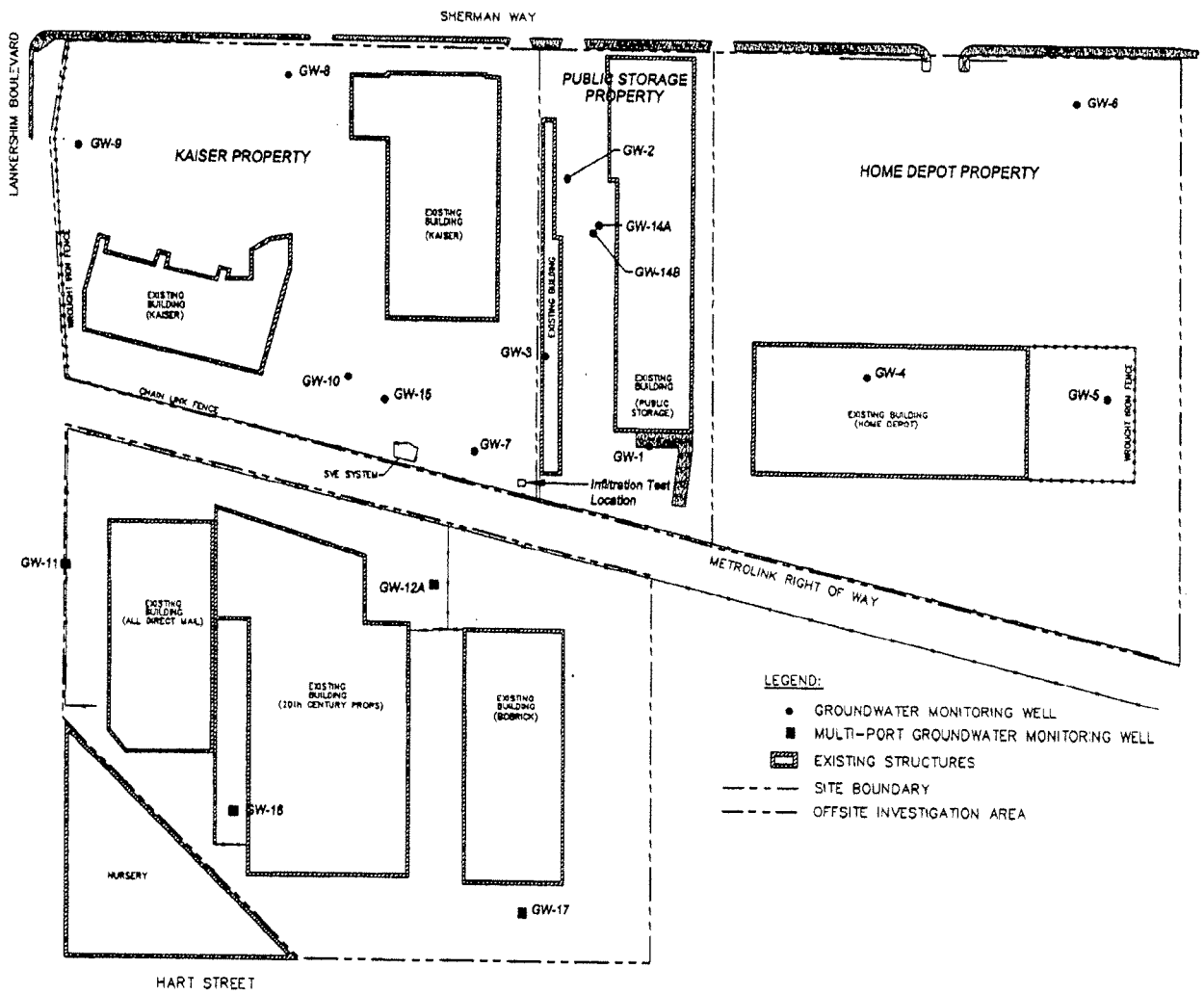
MWH

HONEYWELL NORTH HOLLYWOOD
NORTH HOLLYWOOD, CALIFORNIA

CROSS SECTION A-A'

FIGURE 2

FILE: CADMLUEBKE\HONEYWELL\NORTH HOLLYWOOD\TREATIBILITY STUDY 12 05



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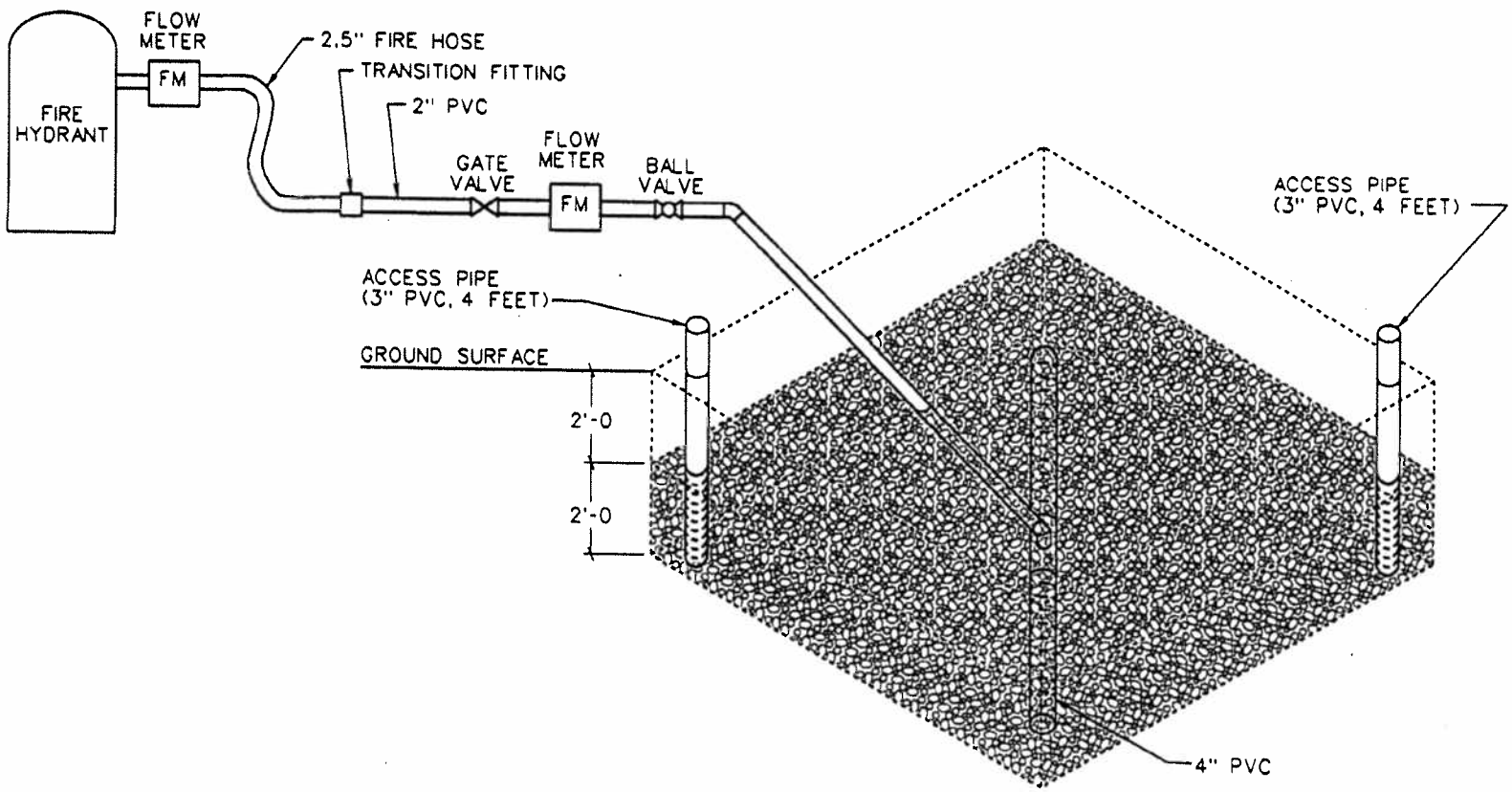


MWH
MONTGOMERY WATSON HARZA

HONEYWELL NORTH HOLLYWOOD SITE
11600 SHERMAN WAY
NORTH HOLLYWOOD, CALIFORNIA

SCHEMATIC FOR
INFILTRATION TEST SET-UP

FIGURE 4

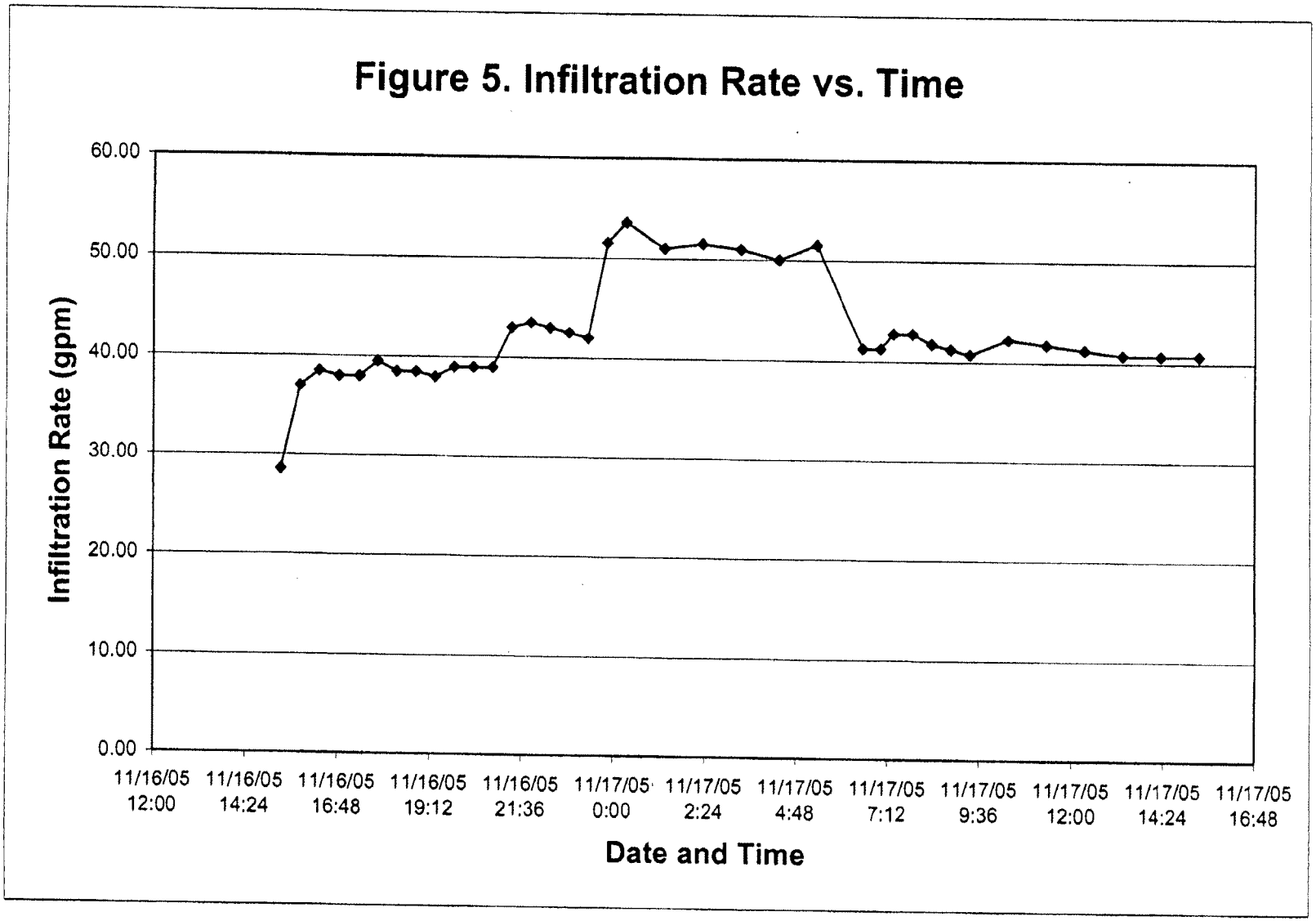


Figure 5. Infiltration Rate vs. Time
Infiltration Rate (gpm)
60.00
50.00
40.00
30.00
20.00
10.00
0.00
11/16/05 12:00
11/16/05 14:24
11/16/05 16:48
11/16/05 19:12
11/16/05 21:36
11/17/05 0:00
11/17/05 2:24
11/17/05 4:48
11/17/05 7:12
11/17/05 9:36
11/17/05 12:00
11/17/05 14:24
11/17/05 16:48
Date and Time

TABLES

TABLE 1

SOIL ANALYTICAL DATA
TREATABLITY STUDY
Honeywell North Hollywood Site
11600 Sherman Way, North Hollywood, California

Boring Location	Sample ID	Sample Depth (feet bgs)	mg/kg						
			Arsenic EPA Method 6010B	Hexavalent Chromium EPA Method 7199	Iron EPA Method 6010B	Manganese EPA Method 6010B	Sulfate EPA Method 9056	Sulfide SW9034	Total Organic Carbon Walkley Black
TS-1	TS-1-20	24.0 - 24.5	8.1 J	5.9	11,400	138	27	<90	799 J
	TS-1-25	25.5 - 26.0	<8	38	12,300	176	34	<90	<250
	TS-1-30	30.5 - 31.0	<8	15	9,100	112	28	<90	<250
	TS-1-35	36.0 - 36.5	<8	14	9,230	125	22	<90	<250
	TS-1-40	41.0 - 41.5	<8	20	6,780	95	10 J	<90	<250
	TS-1-45	46.0 - 46.5	<8	13	6,780	83	7 J	<90	<250
	TS-1-50	51.0 - 51.5	<8	26	10,900	182	25	<90	320 J
	TS-1-55	56.0 - 56.5	<8	15	18,200	240	6 J	<90	480 J
	TS-1-60	61.0 - 61.5	<8	8.6	12,200	149	6 J	<90	320 J
TS-2	TS-2-20	21.0 - 21.5	<8	6.6	7,900	98	54	<90	639 J
	TS-2-25	26.0 - 26.5	<8	15	8,640	112	61	<90	<250
	TS-2-30	31.0 - 31.5	<8	11	15,000	149	51	<90	639 J
	TS-2-35	36.0 - 36.5	<8	120	10,200	150	41	<90	<250
	TS-2-40	41.0 - 41.5	<8	170	9,870	129	130	<90	<250
	TS-2-45	46.0 - 46.5	<8	49	7,380	100	63	<90	<250
TS-3	TS-3-20	21.0 - 21.5	<8	34	10,200	128	84	<90	320 J
	TS-3-25	26.0 - 26.5	9.3 J	140	9,640	131	75	<90	<250
	TS-3-30	31.0 - 31.5	<8	190	6,580	94	63	<90	<250
	TS-3-35	36.0 - 36.5	<8	93	8,230	104	39	<90	320 J
	TS-3-40	41.0 - 41.5	<8	130	10,300	149	92	<90	320 J
	TS-3-45	46.0 - 46.5	<8	170	7,190	95	52	<90	<250
	TS-3-50	51.0 - 51.5	<8	22	7,970	116	10 J	<90	<250
TS-4	TS-4-20	21.0 - 21.5	8.2 J	1.3	14,200	176	200	<90	963 J
	TS-4-25	26.0 - 26.5	<8	0.6	12,900	158	59	<90	1,280 J
	TS-4-30	31.0 - 31.5	<8	85	12,400	172	140	<90	642 J
	TS-4-35	36.0 - 36.5	<8	3.6	15,100	195	160	<90	1,770 J
	TS-4-40	41.0 - 41.5	<8	3.5	14,800	180	170	<90	1,440 J
	TS-4-45	46.0 - 46.5	<8	19	15,200	187	120	<90	3,530
	TS-4-50	51.0 - 51.5	<8	230	7,620	93	77	<90	321 J
	TS-4-55	56.0 - 56.5	<8	130	9,610	123	69	<90	2,570

Notes:
Samples were collected on September 14, 2005
EPA - U.S. Environmental Protection Agency
feet bgs - Feet below ground surface
J - Estimated concentration. The result is less than the PQL but greater than the MDL.
mg/kg - Milligrams per kilogram
< - Less than listed method detection limit (MDL)

TABLE 2

GROUNDWATER ANALYTICAL DATA
TREATABLITY STUDY
Honeywell North Hollywood Site
11600 Sherman Way, North Hollywood, California

Sample ID	Sample Date	Sample Depth (feet bgs)	mg/L						
			Arsenic EPA Method 6010B	Hexavalent Chromium EPA Method 7199	Ferric Iron EPA Method 6010B	Manganese EPA Method 6010B	Nitrate EPA Method 300.0	Sulfate EPA Method 300.0	Sulfide EPA Method 376.2
GW-6	10/11/05	263.84	<0.002	<0.002	<0.08	0.0027	47	73	<0.10
GW-15	09/01/05	255.68	<0.005	0.82	NA	NA	NA	NA	NA

Notes:

GW-6 was sampled on 10/11/05 and GW-15 on 9/1/05

EPA - U.S. Environmental Protection Agency

feet bgs - Feet below ground surface

mg/L - miligrams per liter

NA - not analyzed

< - Less than listed method detection limit (MDL)

TABLE 3

DISSOLVED CHROMIUM BY HACH TEST KIT
TREATABLITY STUDY
Honeywell North Hollywood Site
11600 Sherman Way, North Hollywood, California

Sample Depth (feet bgs)	mg/L			
	TS-1	TS-2	TS-3	TS-4
20	0.57	0	0	0
25	0	0.37	>1.5	0
30	>1.5	0.25	>1.5	0
35	>1.5	>1.5	>1.5	0
40	>1.5	>1.5	>1.5	0
45	0.38	>1.5	>1.5	0
50	1.35	NS*	1.4	>1.5
55	1.4	NS	NS*	0.2
60	1.5	NS	NS	NS*

Notes:

Hach test kit has maximum detection of 1.5 mg/L

bgs - below ground surface

mg/L - milligrams per liter

NS - not sampled

*Refusal was encountered at 50 feet bgs, 55 feet bgs, and 60 feet bgs for TS-2, TS-3, and TS-4, respectively.

TABLE 4

PH AND ORP MEASUREMENTS
TREATABLITY STUDY
Honeywell North Hollywood Site
11600 Sherman Way, North Hollywood, California

Sample ID / dose	pH	ORP	pH	ORP	pH	ORP	pH	ORP	pH	ORP
	at 0 hr		at 1 hr		at 2 hr		at 3 hr		at 4 hr	
0% CaSx	7.45	125	7.5	125	7.60	85	7.70	70	7.80	55
0.1 % CaSx	8.42	-360	8.25	-345	8.57	-283	8.57	-265	8.58	-241
0.5% CaSx	9.07	-450	9.11	-455	9.16	-453	9.16	-455	9.16	-455
1.0% CaSx	9.27	-465	9.30	-467	9.32	-466	9.34	-466	9.34	-467
5.0 % CaSx	9.95	-490	10.01	-488	10.1	-490	10.1	-490	10.2	-492
10% CaSx	10.36	-508	10.37	-508	10.38	-507	10.40	-507	10.45	-507
Control Slurry	7.44	57	NM	NM	NM	NM	NM	NM	NM	NM

Notes:
CaSx - Calcium Polysulfide
hr - hour
NM - not measured
ORP - oxidation reduction potential

TABLE 5

LIQUID AND SOIL SLURRY ANALYTICAL DATA
TREATABLITY STUDY
Honeywell North Hollywood Site
11600 Sherman Way, North Hollywood, California

Matrix : Liquid	mg/L						
	Chromium VI EPA Method 7199	Nitrate-NO3 EPA Method 300.0	Sulfate EPA Method 300.0	Sulfide EPA Method 376.2	Ferric Iron EPA Method 6020	Manganese EPA Method 6020	Arsenic EPA Method 6020
Groundwater 6	<0.002	47	73	<0.10	<0.08	0.0027	<0.002
0% CaSx Control	51	51	130	<0.10	<0.08	0.044	<0.004
0.5% CaSx	<0.2	47	130	110	<0.08	0.0034	<0.002
5.0% CaSx	<2.0	<100	370	720	<0.4	0.043	<0.020

Matrix : Soil	mg/kg						
	Chromium VI EPA Method 7199	Nitrate-NO3 EPA Method 300.0	Sulfate EPA Method 300.0	Sulfide EPA Method 376.2	Ferric Iron EPA Method 6020	Manganese EPA Method 6020	Arsenic EPA Method 6020
Mixed Soil	83	9.5	NA	NA	7,100	NA	NA
0% CaSx Control	12	11	33	<1	5,100	74	0.71
0.5% CaSx	<0.2	7.8	37	<1	4,900	78	0.58
5.0% CaSx	<0.2	11	47	71	4,300	72	0.88

Notes:
CaSx - Calcium Polysulfide
mg/kg - milligrams per kilogram
mg/L - milligrams per liter
NA - not analyzed
< - not detected above the laboratory detection limits

TABLE 6

SETTLEABILITY NOTES
TREATABLITY STUDY
Honeywell North Hollywood Site
11600 Sherman Way, North Hollywood, California

Time	Dose %	Observations
Initial Dose 10:00	0.5%	Yellow
	1.0%	Yellow. quick floc
	2.5%	Yellow-orange
	5.0%	Yellow-orange
	10.0%	Orange
10:30	0.5%	0 mL- No Floc
	1.0%	1.3 mL Floc
	2.5%	Floc forming, but no layer
	5.0%	Floc forming, but no layer
	10.0%	Floc forming, layer @ 10 mL
10:45	0.5%	0
	1.0%	1 mL
	2.5%	13 mL, very loose
	5.0%	25 mL
	10.0%	50 mL
11:00	0.5%	0- cloudy yellow
	1.0%	0.5 mL- yellow, sticks to cone
	2.5%	1 mL, solution orange, cloudy
	5.0%	1.5 mL, solution orange, clear
	10.0%	2.5 mL, solution orange, top 80% cloudy
11:15	0.5%	0, cloudy yellow
	1.0%	0.5 mL, cloudy yellow
	2.5%	0.7 mL, cloudy orange
	5.0%	1 mL, solution orange, clear
	10.0%	1.5 mL, solution orange, top cloudy
11:30	0.5%	0, becoming less yellow
	1.0%	0.5 mL, cloudy yellow
	2.5%	0.7, cloudy orange
	5.0%	1 mL, orange, clear
	10.0%	1.4 mL, orange, clear, cloudy top but clearing
11:45	0.5%	0, 0.1 mL clear area at bottom, less yellow, cloudy
	1.0%	0.35 mL cloudy yellow
	2.5%	0.7 mL cloudy orange, clearing slightly
	5.0%	0.9 mL orange, clear
	10.0%	1.4 mL, orange, clear

TABLE 6

SETTLEABILITY NOTES
TREATABLITY STUDY
Honeywell North Hollywood Site
11600 Sherman Way, North Hollywood, California

Time	Dose %	Observations
12:00	0.5%	0, 0.1 mL clear area at bottom, less yellow, cloudy
	1.0%	0.35 mL cloudy yellow
	2.5%	0.7 mL cloudy orange, opaque
	5.0%	0.9 mL orange, clear
	10.0%	1.4 mL, orange, clear
12:15	0.5%	0, 0.1 mL clear area at bottom, less yellow, cloudy
	1.0%	0.35 mL cloudy yellow
	2.5%	0.7 mL cloudy orange, opaque
	5.0%	0.9 mL orange, clear
	10.0%	1.4 mL, orange, clear
12:30	0.5%	0, 0.1 mL clear area at bottom, less yellow, cloudy
	1.0%	0.3 mL cloudy yellow
	2.5%	0.7 mL cloudy orange, opaque
	5.0%	0.9 mL orange, clear
	10.0%	1.4 mL, orange, clear
12:45	0.5%	0, 0.1 mL clear area at bottom, less yellow, cloudy
	1.0%	0.3 mL cloudy yellow
	2.5%	0.7 mL cloudy orange, opaque
	5.0%	0.9 mL orange, clear
	10.0%	1.4 mL, orange, clear
13:00	0.5%	0, 0.1 mL clear area at bottom, less yellow, cloudy
	1.0%	0.3 mL cloudy yellow
	2.5%	0.7 mL cloudy orange, opaque
	5.0%	0.9 mL orange, clear
	10.0%	1.4 mL, orange, clear
13:15	0.5%	0, 0.1 mL clear area at bottom, less yellow, cloudy
	1.0%	0.3 mL cloudy yellow
	2.5%	0.7 mL cloudy orange, opaque
	5.0%	0.9 mL orange, clear
	10.0%	1.4 mL, orange, clear
13:30	0.5%	0, 0.1 mL clear area at bottom, less yellow, cloudy
	1.0%	0.3 mL cloudy yellow
	2.5%	0.7 mL cloudy orange, opaque
	5.0%	0.9 mL orange, clear
	10.0%	1.4 mL, orange, clear
13:45	0.5%	0, 0.1 mL clear area at bottom, less yellow, cloudy
	1.0%	0.3 mL cloudy yellow
	2.5%	0.7 mL cloudy orange, opaque
	5.0%	0.9 mL orange, clear
	10.0%	1.4 mL, orange, clear

TABLE 6

SETTLEABILITY NOTES
TREATABLITY STUDY
Honeywell North Hollywood Site
11600 Sherman Way, North Hollywood, California

Time	Dose %	Observations
14:00	0.5%	0, 0.1 mL clear area at bottom, less yellow, cloudy
	1.0%	0.3 mL cloudy yellow
	2.5%	0.7 mL cloudy orange, opaque
	5.0%	0.9 mL orange, clear
	10.0%	1.4 mL, orange, clear
14:15	0.5%	0, no change
	1.0%	0.3 mL, no change
	2.5%	0.7 mL, no change, slightly clearing
	5.0%	0.9 mL, no change
	10.0%	1.4 mL, no change
14:30	0.5%	0, no change
	1.0%	0.3 mL, no change
	2.5%	0.7 mL, clear orange
	5.0%	0.9 mL, no change
	10.0%	1.4 mL, no change
14:45	0.5%	0, no change
	1.0%	0.3 mL, no change
	2.5%	0.7 mL, no change
	5.0%	0.9 mL, no change
	10.0%	1.4 mL, no change
15:00	0.5%	0, no change
	1.0%	0.3 mL, no change
	2.5%	0.7 mL, no change
	5.0%	0.9 mL, no change
	10.0%	1.4 mL, no change

Notes:
mL = milliliters
Floc = flocculation

TABLE 7

SETTLEABILITY WATER ANALYTICAL DATA
TREATABLITY STUDY
Honeywell North Hollywood Site
11600 Sherman Way, North Hollywood, California

Sample ID	Sample Date	mg/L			
		Arsenic (dissolved) EPA Method 6010B	Hexavalent Chromium EPA Method 7199	Iron (dissolved) EPA Method 6010B	Manganese (dissolved) EPA Method 6010B
Raw	09/15/05	<0.05	0.76	0.03 J	<0.002
0.5% CaSx	09/15/05	<0.05	<0.002	<0.02	0.006 J
1.0% CaSx	09/15/05	<0.05	<0.002	<0.02	<0.002
2.5% CaSx	09/15/05	<50	<0.002	<0.02	0.003 J
5.0% CaSx	09/15/05	0.16 F1A/J	<0.002	<0.02	0.04 J
10% CaSx	09/15/05	<0.05	<0.002	<0.02	<0.002

Notes:

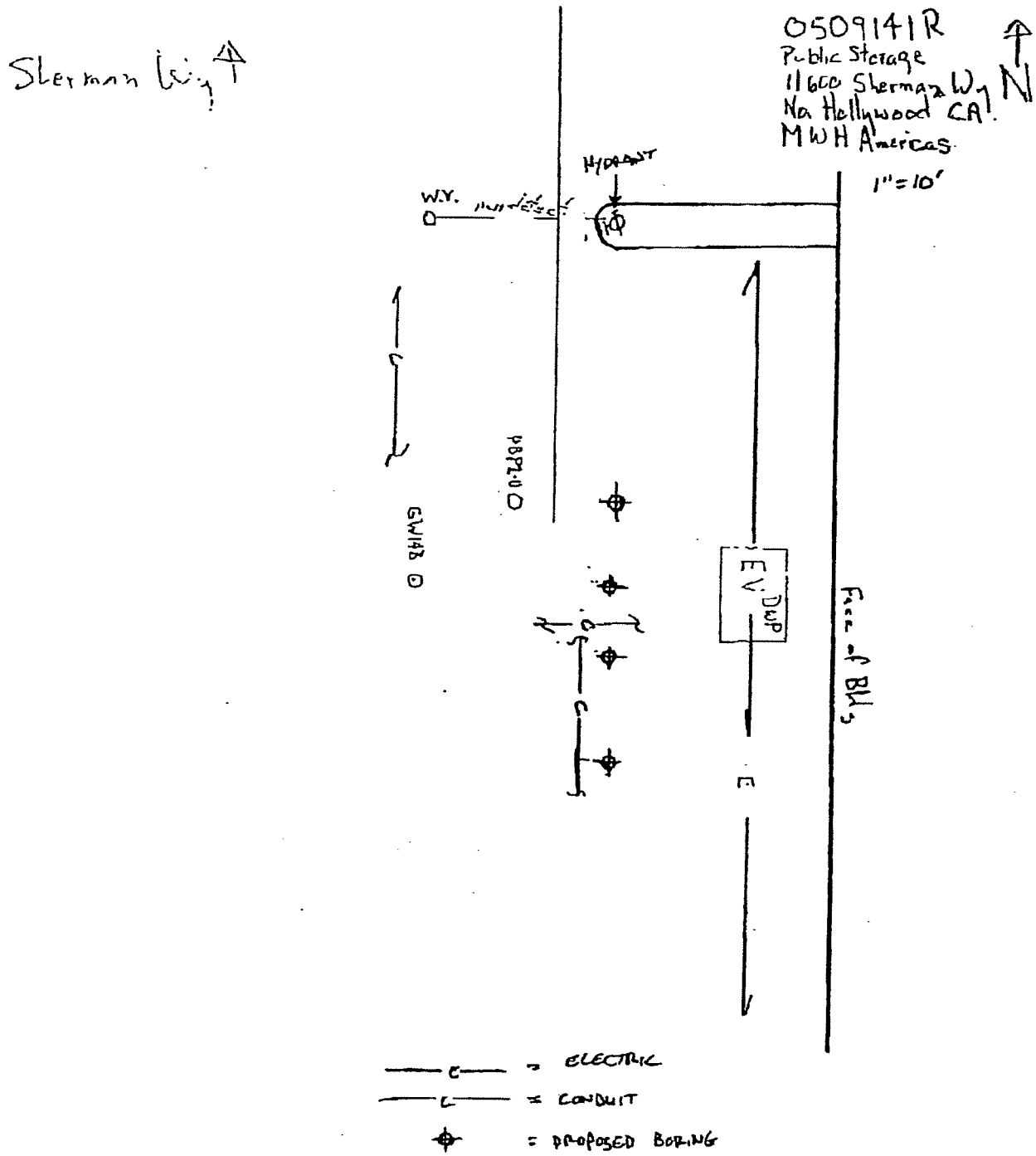
CaSx - Calcium Polysulfide

F1A - The MRL is elevated because of matrix interferences requiring sample dilution

J - estimated concentration

< - Less than listed method detection limit (MDL)

ATTACHMENT A
UTILITY CLEARANCE


Sherman Wy
0509141R
Public Storage
11600 Sherman Wy
No Hollywood CA
MWH Americas
N
1"=10'
HYDRANT
W.V.
PBP2-0
GW14B
EV
DWP
Face of Bldg
= ELECTRIC
= CONDUIT
= PROPOSED BORING

ATTACHMENT B
ANALYTICAL RESULTS FROM SOIL SAMPLING

6925 Canoga Avenue Canoga Park, California 91303 (818) 587-5550 ph (818) 587-5555 fax

Columbia Analytical Services INC
An Employee - Owned Company

October 11, 2005

Michael Flaugher
MWH
3050 Saturn St., Suite 205
Brea, CA 92821

RE: Honeywell – North Hollywood, CA/Project #1890933.0401

Dear Michael:

Enclosed are the results of the samples submitted to our laboratory on September 14, 2005. The samples were sent out for partial analysis to our Redding facility. Please find their report (#DF758) attached. For your reference, these analyses have been assigned our service request number L0501641.

All analyses were performed in accordance with our laboratory's quality assurance program. Results are intended to be considered in their entirety and apply only to the samples analyzed. Columbia Analytical Services is not responsible for use of less than the complete report. Your report contains 117 pages.

Columbia Analytical Services is certified for environmental analyses by the California Department of Health Services (certificate number: 1296A); NELAP (certificate number: 02115CA); Los Angeles County Laboratory ID (No. 10151); and Arizona Department of Health Services (License number: AZ0136 and AZ0544).

If you have any questions, please call me at (818) 587-5550, extension 309.

Respectfully submitted,

Columbia Analytical Services, Inc.

Sue Anderson

Sue Anderson
Project Chemist

SA

NELAP Accredited ACIL Seal of Excellence Award

Columbia Analytical Services, Inc.

Acronyms

8015M	California DHS LUFT Method
ASTM	American Society for Testing and Materials
BOD	Biochemical Oxygen Demand
BTEX	Benzene/Toluene/Ethylbenzene/Xylenes
CAM	California Assessment Metals
CAS Number	Chemical Abstract Service Registry Number
CFC	Chlorofluorocarbon
COD	Chemical Oxygen Demand
CRDL	Contract Required Detection Limit
D	Detected; result must be greater than zero.
DL	Detected; result must be greater than the detection limit.
DLCS	Duplicate Laboratory Control Sample
DMS	Duplicate Matrix Spike
DOH or DHS	Department of Health Services
ELAP	Environmental Laboratory Accreditation Program
EPA	U.S. Environmental Protection Agency
GC	Gas Chromatography
GC/MS	Gas Chromatography/Mass Spectrometry
IC	Ion Chromatography
ICB	Initial Calibration Blank sample
ICP	Inductively Coupled Plasma atomic emission spectrometry
ICV	Initial Calibration Verification sample
LCS	Laboratory Control Sample
LUFT	Leaking Underground Fuel Tank
M	Modified
MBAS	Methylene Blue Active Substances
MDL	Method Detection Limit
MRL	Method Reporting Limit
MS	Matrix Spike
MTBE	Methyl-*tert*-Butyl Ether
NA	Not Applicable
NC	Not Calculated
ND	None Detected at or above the Method Reporting/Detection Limit (MRL/MDL)
NTU	Nephelometric Turbidity Units
ppb	Parts Per Billion
ppm	Parts Per Million
PQL	Practical Quantitation Limit
QA/QC	Quality Assurance/Quality Control
RCRA	Resource Conservation and Recovery Act
RPD	Relative Percent Difference
SIM	Selected Ion Monitoring
SM	*Standard Methods for the Examination of Water and Wastewater*, 18th Ed., 1992.
STLC	Solubility Threshold Limit Concentration
SW	*Test Methods for Evaluating Solid Waste. Physical/Chemical Methods*, SW-846, Third Edition, 1986 and as amended by Updates I, II, IIA, and IIB.
TCLP	Toxicity Characteristics Leaching Procedure
TDS	Total Dissolved Solids
TPH	Total Petroleum Hydrocarbons
TRPH	Total Recoverable Petroleum Hydrocarbons
TSS	Total Suspended Solids
TTLC	Total Threshold Limit Concentration
VOA	Volatile Organic Analyte(s)

Qualifiers

U	Undetected at or above MDL/MRL (PQL).
J	Estimated concentration. Analyte detected above MDL but below MRL (PQL).
B	Hit above MRL (PQL) also found in Method Blank.
E	Analyte concentration above high point of ICAL.
D	Result from dilution.
X	See case narrative.

COLUMBIA ANALYTICAL SERVICES, INC.

Client:	MWH	**Service Request No.:**	L0501641
Project:	Honeywell – North Hollywood, CA/1890933.0401	**Date Received:**	9/14/05
Sample Matrix:	Soil		

CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of Columbia Analytical Services, Inc. (CAS). This report contains analytical results for samples designated for Tier III data deliverables. When appropriate to the method, method blank results have been reported with each analytical test. Surrogate recoveries have been reported for all applicable organic analyses. Additional quality control analyses reported herein include: Matrix/Duplicate Matrix Spike (MS/DMS), Laboratory/Duplicate Laboratory Control Sample (LCS/DLCS) and Sample Duplicate (DUP).

Sample Receipt

The samples were received for analysis at Columbia Analytical Services on 9/14/05. No discrepancies were noted upon initial sample inspection. The samples were received in good condition and consistent with the accompanying chain of custody form. The samples were stored at 4°C upon receipt at the laboratory.

Total Metals

All anomalies have been flagged and addressed in the metals Footnote Summary page.

Hexavalent Chromium by EPA Method 7199

The upper control criterion was exceeded in Duplicate Matrix Spike TS-1-30 (L0501641-003DMS). The matrix spike recovery and the associated Laboratory Control Samples were acceptable, which indicated the analytical batch was in control.

The accuracy of the spike recovery for samples TS-3-20 (L0501641-016MS/DMS) was reduced since the analyte concentration in the sample was disproportionate to the spike level. The RPD was outside of acceptance due to the heterogeneous nature of the matrix. The method control samples were acceptable; therefore, the data was approved.

Sulfate by EPA Method 9056

The Method Blanks, L050926-MB and L050927-MB, contained a trace hits of Sulfate. The Method Blank is prepared using baked sand, which was suspected of causing the trace level hits and is independent from the samples. The non-extracted Method Blank ran during the sequence was non-detect for all analytes down to the MDL, which indicated the hits were not due to the extraction water. Therefore, the sample data has not been affected.

Approved by Sue Anderson **Date** 10/11/05

- Cover Page -
INORGANIC ANALYSIS DATA PACKAGE

Client: Montgomery Watson Americas, Incorporated Service Request: L0501641

Project No.: 1890933.0401

Project Name: Honeywell- North Hollywood, VA

Sample No.	Lab Sample ID.
TS-1-20	L0501641-001
TS-1-20D	L0501641-001D
TS-1-20S	L0501641-001S
TS-1-20SD	L0501641-001SD
TS-1-25	L0501641-002
TS-1-30	L0501641-003
TS-1-35	L0501641-004
TS-1-40	L0501641-005
TS-1-45	L0501641-006
TS-1-50	L0501641-007
TS-1-55	L0501641-008
TS-1-60	L0501641-009
TS-2-20	L0501641-010
TS-2-25	L0501641-011
TS-2-30	L0501641-012
TS-2-35	L0501641-013
TS-2-40	L0501641-014
TS-2-45	L0501641-015

Were ICP interelement corrections applied? Yes/No YES

Were ICP background corrections applied? Yes/No YES

If yes-were raw data generated before application of background corrections? Yes/No NO

Comments:

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: Date: 10/11/05

Columbia Analytical Services

- Cover Page -
INORGANIC ANALYSIS DATA PACKAGE

Client: Montgomery Watson Americas, Incorporated

Service Request: L0501641

Project No.: 1890933.0401

Project Name: Honeywell- North Hollywood, VA

Sample No.	Lab Sample ID.
TS-3-20	L0501641-016
TS-3-25	L0501641-017
TS-3-30	L0501641-018
TS-3-35	L0501641-019
TS-3-40	L0501641-020
TS-3-40D	L0501641-020D
TS-3-40S	L0501641-020S
TS-3-40SD	L0501641-020SD
TS-3-45	L0501641-021
TS-3-50	L0501641-022
TS-4-20	L0501641-023
TS-4-25	L0501641-024
TS-4-30	L0501641-025
TS-4-35	L0501641-026
TS-4-40	L0501641-027
TS-4-45	L0501641-028
TS-4-50	L0501641-029
TS-4-55	L0501641-030

Were ICP interelement corrections applied? Yes/No YES

Were ICP background corrections applied? Yes/No YES

If yes-were raw data generated before application of background corrections? Yes/No NO

Comments:

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: [signature]

Date: 10/4/05

-1-

INORGANIC ANALYSIS DATA SHEET

Client:	Montgomery Watson Americas, Incorporated	Service Request:	L0501641
Project No.:	1890933.0401	Date Collected:	09/14/05
Project Name:	Honeywell- North Hollywood, VA	Date Received:	09/14/05
Matrix:	SOIL	Units:	mg/Kg
		Basis:	WET

Sample Name: TS-1-20 Lab Code: L0501641-001

Analyte		Analysis Method	PQL	MDL	Dil.	Date Digested	Date Analyzed	Result	Q
Arsenic	Total	6010B	10	8.0	1	09/28/05	10/3/05	8.1	J
Iron	Total	6010B	20	6.0	1	09/28/05	10/3/05	11400	
Manganese	Total	6010B	1.0	0.4	1	09/28/05	10/3/05	138	

% Solids: 100.0

Comments:

INORGANIC ANALYSIS DATA SHEET

Client:	Montgomery Watson America, Incorporated	Service Request:	L0501641
Project No.:	1890933.0401	Date Collected:	09/14/05
Project Name:	Honeywell - North Hollywood,CA	Date Received:	09/14/05
Matrix:	SOIL	Units:	mg/Kg
		Basis:	WET

Sample Name: TS-1-25 Lab Code: L0501641-002

Analyte		Analysis Method	PQL	MDL	Dil.	Date Digested	Date Analyzed	Result	Q
Arsenic	Total	6010B	10	8.0	1	09/28/05	10/11/05	ND	
Iron	Total	6010B	20	6.0	1	09/28/05	10/3/05	12300	
Manganese	Total	6010B	1.0	0.4	1	09/28/05	10/3/05	176	

% Solids: 100.0

Comments:

INORGANIC ANALYSIS DATA SHEET

Client:	Montgomery Watson Americas, Incorporated	Service Request:	L0501641
Project No.:	1890933.0401	Date Collected:	09/14/05
Project Name:	Honeywell- North Hollywood, VA	Date Received:	09/14/05
Matrix:	SOIL	Units:	mg/Kg
		Basis:	WET

Sample Name: TS-1-30 Lab Code: L0501641-003

Analyte		Analysis Method	PQL	MDL	Dil.	Date Digested	Date Analyzed	Result	Q
Arsenic	Total	6010B	10	8.0	1	09/28/05	10/3/05	ND	
Iron	Total	6010B	20	6.0	1	09/28/05	10/3/05	9100	
Manganese	Total	6010B	1.0	0.4	1	09/28/05	10/3/05	112	

% Solids: 100.0

Comments:

-1-

INORGANIC ANALYSIS DATA SHEET

Client:	Montgomery Watson Americas, Incorporated	Service Request:	L0501641
Project No.:	1890933.0401	Date Collected:	09/14/05
Project Name:	Honeywell- North Hollywood, VA	Date Received:	09/14/05
Matrix:	SOIL	Units:	mg/Kg
		Basis:	WET

Sample Name: TS-1-35 Lab Code: L0501641-004

Analyte		Analysis Method	PQL	MDL	Dil.	Date Digested	Date Analyzed	Result	Q
Arsenic	Total	6010B	10	8.0	1	09/28/05	10/3/05	ND	
Iron	Total	6010B	20	6.0	1	09/28/05	10/3/05	9230	
Manganese	Total	6010B	1.0	0.4	1	09/28/05	10/3/05	125	

% Solids: 100.0

Comments:

-1-

INORGANIC ANALYSIS DATA SHEET

Client:	Montgomery Watson Americas, Incorporated	Service Request:	L0501641
Project No.:	1890933.0401	Date Collected:	09/14/05
Project Name:	Honeywell- North Hollywood, VA	Date Received:	09/14/05
Matrix:	SOIL	Units:	mg/Kg
		Basis:	WET

Sample Name: TS-1-40 Lab Code: L0501641-005

Analyte		Analysis Method	PQL	MDL	Dil.	Date Digested	Date Analyzed	Result	Q
Arsenic	Total	6010B	10	8.0	1	09/28/05	10/3/05	ND	
Iron	Total	6010B	20	6.0	1	09/28/05	10/3/05	6780	
Manganese	Total	6010B	1.0	0.4	1	09/28/05	10/3/05	95	

% Solids: 100.0

Comments:

-1-

INORGANIC ANALYSIS DATA SHEET

Client:	Montgomery Watson Americas, Incorporated	Service Request:	L0501641
Project No.:	1890933.0401	Date Collected:	09/14/05
Project Name:	Honeywell- North Hollywood, VA	Date Received:	09/14/05
Matrix:	SOIL	Units:	mg/Kg
		Basis:	WET

Sample Name: TS-1-45 Lab Code: L0501641-006

Analyte		Analysis Method	PQL	MDL	Dil.	Date Digested	Date Analyzed	Result	Q
Arsenic	Total	6010B	10	8.0	1	09/28/05	10/3/05	ND	
Iron	Total	6010B	20	6.0	1	09/28/05	10/3/05	6780	
Manganese	Total	6010B	1.0	0.4	1	09/28/05	10/3/05	83	

% Solids: 100.0

Comments:

-1-

INORGANIC ANALYSIS DATA SHEET

Client:	Montgomery Watson Americas, Incorporated	Service Request:	L0501641
Project No.:	1890933.0401	Date Collected:	09/14/05
Project Name:	Honeywell- North Hollywood, VA	Date Received:	09/14/05
Matrix:	SOIL	Units:	mg/Kg
		Basis:	WET

Sample Name: TS-1-50 Lab Code: L0501641-007

Analyte		Analysis Method	PQL	MDL	Dil.	Date Digested	Date Analyzed	Result	Q
Arsenic	Total	6010B	10	8.0	1	09/28/05	10/3/05	ND	
Iron	Total	6010B	20	6.0	1	09/28/05	10/3/05	10900	
Manganese	Total	6010B	1.0	0.4	1	09/28/05	10/3/05	182	

% Solids: 100.0

Comments:

INORGANIC ANALYSIS DATA SHEET

Client:	Montgomery Watson Americas, Incorporated	Service Request:	L0501641
Project No.:	1890933.0401	Date Collected:	09/14/05
Project Name:	Honeywell- North Hollywood, VA	Date Received:	09/14/05
Matrix:	SOIL	Units:	mg/Kg
		Basis:	WET

Sample Name: TS-1-55 Lab Code: L0501641-008

Analyte		Analysis Method	PQL	MDL	Dil.	Date Digested	Date Analyzed	Result	Q
Arsenic	Total	6010B	10	8.0	1	09/28/05	10/3/05	ND	
Iron	Total	6010B	20	6.0	1	09/28/05	10/3/05	18200	
Manganese	Total	6010B	1.0	0.4	1	09/28/05	10/3/05	240	

% Solids: 100.0

Comments:

INORGANIC ANALYSIS DATA SHEET

Client:	Montgomery Watson Americas, Incorporated	Service Request:	L0501641
Project No.:	1890933.0401	Date Collected:	09/14/05
Project Name:	Honeywell- North Hollywood, VA	Date Received:	09/14/05
Matrix:	SOIL	Units:	mg/Kg
		Basis:	WET

Sample Name: TS-1-60 Lab Code: L0501641-009

Analyte		Analysis Method	PQL	MDL	Dil.	Date Digested	Date Analyzed	Result	Q
Arsenic	Total	6010B	10	8.0	1	09/28/05	10/3/05	ND	
Iron	Total	6010B	20	6.0	1	09/28/05	10/3/05	12200	
Manganese	Total	6010B	1.0	0.4	1	09/28/05	10/3/05	149	

% Solids: 100.0

Comments:

INORGANIC ANALYSIS DATA SHEET

Client:	Montgomery Watson Americas, Incorporated	Service Request:	L0501641
Project No.:	1890933.0401	Date Collected:	09/14/05
Project Name:	Honeywell- North Hollywood, VA	Date Received:	09/14/05
Matrix:	SOIL	Units:	mg/Kg
		Basis:	WET

Sample Name: TS-2-20 Lab Code: L0501641-010

Analyte		Analysis Method	PQL	MDL	Dil.	Date Digested	Date Analyzed	Result	Q
Arsenic	Total	6010B	10	8.0	1	09/28/05	10/3/05	ND	
Iron	Total	6010B	20	6.0	1	09/28/05	10/3/05	7900	
Manganese	Total	6010B	1.0	0.4	1	09/28/05	10/3/05	98	

% Solids: 100.0

Comments:

-1-

INORGANIC ANALYSIS DATA SHEET

Client:	Montgomery Watson Americas, Incorporated	Service Request:	L0501641
Project No.:	1890933.0401	Date Collected:	09/14/05
Project Name:	Honeywell- North Hollywood, VA	Date Received:	09/14/05
Matrix:	SOIL	Units:	mg/Kg
		Basis:	WET

Sample Name: TS-2-25 Lab Code: L0501641-011

Analyte		Analysis Method	PQL	MDL	Dil.	Date Digested	Date Analyzed	Result	Q
Arsenic	Total	6010B	10	8.0	1	09/28/05	10/3/05	ND	
Iron	Total	6010B	20	6.0	1	09/28/05	10/3/05	8640	
Manganese	Total	6010B	1.0	0.4	1	09/28/05	10/3/05	112	

% Solids: 100.0

Comments:

INORGANIC ANALYSIS DATA SHEET

Client:	Montgomery Watson Americas, Incorporated	Service Request:	L0501641
Project No.:	1890933.0401	Date Collected:	09/14/05
Project Name:	Honeywell- North Hollywood, VA	Date Received:	09/14/05
Matrix:	SOIL	Units:	mg/Kg
		Basis:	WET

Sample Name: TS-2-30 Lab Code: L0501641-012

Analyte		Analysis Method	PQL	MDL	Dil.	Date Digested	Date Analyzed	Result	Q
Arsenic	Total	6010B	10	8.0	1	09/28/05	10/3/05	ND	
Iron	Total	6010B	20	6.0	1	09/28/05	10/3/05	15000	
Manganese	Total	6010B	1.0	0.4	1	09/28/05	10/3/05	149	

% Solids: 100.0

Comments:

-1-

INORGANIC ANALYSIS DATA SHEET

Client:	Montgomery Watson America, Incorporated	Service Request:	L0501641
Project No.:	1890933.0401	Date Collected:	09/14/05
Project Name:	Honeywell - North Hollywood,CA	Date Received:	09/14/05
Matrix:	SOIL	Units:	mg/Kg
		Basis:	WET

Sample Name: TS-2-35 Lab Code: L0501641-013

Analyte		Analysis Method	PQL	MDL	Dil.	Date Digested	Date Analyzed	Result	Q
Arsenic	Total	6010B	10	8.0	1	09/28/05	10/11/05	ND	
Iron	Total	6010B	20	6.0	1	09/28/05	10/3/05	10200	
Manganese	Total	6010B	1.0	0.4	1	09/28/05	10/3/05	150	

% Solids: 100.0

Comments:

INORGANIC ANALYSIS DATA SHEET

Client:	Montgomery Watson America, Incorporated	Service Request:	L0501641
Project No.:	1890933.0401	Date Collected:	09/14/05
Project Name:	Honeywell - North Hollywood,CA	Date Received:	09/14/05
Matrix:	SOIL	Units:	mg/Kg
		Basis:	WET

Sample Name: TS-2-40 Lab Code: L0501641-014

Analyte		Analysis Method	PQL	MDL	Dil.	Date Digested	Date Analyzed	Result	Q
Arsenic	Total	6010B	10	8.0	1	09/28/05	10/11/05	ND	
Iron	Total	6010B	20	6.0	1	09/28/05	10/3/05	9870	
Manganese	Total	6010B	1.0	0.4	1	09/28/05	10/3/05	129	

% Solids: 100.0

Comments:

-1-

INORGANIC ANALYSIS DATA SHEET

Client:	Montgomery Watson Americas, Incorporated	Service Request:	L0501641
Project No.:	1890933.0401	Date Collected:	09/14/05
Project Name:	Honeywell- North Hollywood, VA	Date Received:	09/14/05
Matrix:	SOIL	Units:	mg/Kg
		Basis:	WET

Sample Name: TS-2-45 Lab Code: L0501641-015

Analyte		Analysis Method	PQL	MDL	Dil.	Date Digested	Date Analyzed	Result	Q
Arsenic	Total	6010B	10	8.0	1	09/28/05	10/3/05	ND	
Iron	Total	6010B	20	6.0	1	09/28/05	10/3/05	7380	
Manganese	Total	6010B	1.0	0.4	1	09/28/05	10/3/05	100	

% Solids: 100.0

Comments:

INORGANIC ANALYSIS DATA SHEET

Client:	Montgomery Watson Americas, Incorporated	Service Request:	L0501641
Project No.:	1890933.0401	Date Collected:	09/14/05
Project Name:	Honeywell- North Hollywood, VA	Date Received:	09/14/05
Matrix:	SOIL	Units:	mg/Kg
		Basis:	WET

Sample Name: TS-3-20 Lab Code: L0501641-016

Analyte		Analysis Method	PQL	MDL	Dil.	Date Digested	Date Analyzed	Result	Q
Arsenic	Total	6010B	10	8.0	1	09/28/05	10/3/05	ND	
Iron	Total	6010B	20	6.0	1	09/28/05	10/3/05	10200	
Manganese	Total	6010B	1.0	0.4	1	09/28/05	10/3/05	128	

% Solids: 100.0

Comments:

-1-

INORGANIC ANALYSIS DATA SHEET

Client:	Montgomery Watson Americas, Incorporated	Service Request:	L0501641
Project No.:	1890933.0401	Date Collected:	09/14/05
Project Name:	Honeywell- North Hollywood, VA	Date Received:	09/14/05
Matrix:	SOIL	Units:	mg/Kg
		Basis:	WET

Sample Name: TS-3-25 Lab Code: L0501641-017

Analyte		Analysis Method	PQL	MDL	Dil.	Date Digested	Date Analyzed	Result	Q
Arsenic	Total	6010B	10	8.0	1	09/28/05	10/3/05	9.3	J
Iron	Total	6010B	20	6.0	1	09/28/05	10/3/05	9640	
Manganese	Total	6010B	1.0	0.4	1	09/28/05	10/3/05	131	

% Solids: 100.0

Comments:

INORGANIC ANALYSIS DATA SHEET

Client:	Montgomery Watson Americas, Incorporated	Service Request:	L0501641
Project No.:	1890933.0401	Date Collected:	09/14/05
Project Name:	Honeywell- North Hollywood, VA	Date Received:	09/14/05
Matrix:	SOIL	Units:	mg/Kg
		Basis:	WET

Sample Name: TS-3-30 Lab Code: L0501641-018

Analyte		Analysis Method	PQL	MDL	Dil.	Date Digested	Date Analyzed	Result	Q
Arsenic	Total	6010B	10	8.0	1	09/28/05	10/3/05	ND	
Iron	Total	6010B	20	6.0	1	09/28/05	10/3/05	6580	
Manganese	Total	6010B	1.0	0.4	1	09/28/05	10/3/05	94	

% Solids: 100.0

Comments:

Columbia Analytical Services

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INORGANIC ANALYSIS DATA SHEET

Client:	Montgomery Watson Americas, Incorporated	Service Request:	L0501641
Project No.:	1890933.0401	Date Collected:	09/14/05
Project Name:	Honeywell- North Hollywood, VA	Date Received:	09/14/05
Matrix:	SOIL	Units:	mg/Kg
		Basis:	WET

Sample Name: TS-3-35 Lab Code: L0501641-019

Analyte		Analysis Method	PQL	MDL	Dil.	Date Digested	Date Analyzed	Result	Q
Arsenic	Total	6010B	10	8.0	1	09/28/05	10/3/05	ND	
Iron	Total	6010B	20	6.0	1	09/28/05	10/3/05	8230	
Manganese	Total	6010B	1.0	0.4	1	09/28/05	10/3/05	104	

% Solids: 100.0

Comments:

Form 1 - IN

INORGANIC ANALYSIS DATA SHEET

Client:	Montgomery Watson America, Incorporated	Service Request:	L0501641
Project No.:	1890933.0401	Date Collected:	09/14/05
Project Name:	Honeywell - North Hollywood,CA	Date Received:	09/14/05
Matrix:	SOIL	Units:	mg/Kg
		Basis:	WET

Sample Name: TS-3-40 Lab Code: L0501641-020

Analyte		Analysis Method	PQL	MDL	Dil.	Date Digested	Date Analyzed	Result	Q
Arsenic	Total	6010B	10	8.0	1	09/28/05	10/11/05	ND	
Iron	Total	6010B	20	6.0	1	09/28/05	9/30/05	10300	
Manganese	Total	6010B	1.0	0.4	1	09/28/05	9/30/05	149	

% Solids: 100.0

Comments:

-1-

INORGANIC ANALYSIS DATA SHEET

Client:	Montgomery Watson Americas, Incorporated	Service Request:	L0501641
Project No.:	1890933.0401	Date Collected:	09/14/05
Project Name:	Honeywell- North Hollywood, VA	Date Received:	09/14/05
Matrix:	SOIL	Units:	mg/Kg
		Basis:	WET

Sample Name: TS-3-45 Lab Code: L0501641-021

Analyte		Analysis Method	PQL	MDL	Dil.	Date Digested	Date Analyzed	Result	Q
Arsenic	Total	6010B	10	8.0	1	09/28/05	9/30/05	ND	
Iron	Total	6010B	20	6.0	1	09/28/05	9/30/05	7190	
Manganese	Total	6010B	1.0	0.4	1	09/28/05	9/30/05	95	

% Solids: 100.0

Comments:

INORGANIC ANALYSIS DATA SHEET

Client:	Montgomery Watson Americas, Incorporated	Service Request:	L0501641
Project No.:	1890933.0401	Date Collected:	09/14/05
Project Name:	Honeywell- North Hollywood, VA	Date Received:	09/14/05
Matrix:	SOIL	Units:	mg/Kg
		Basis:	WET

Sample Name: TS-3-50 Lab Code: L0501641-022

Analyte		Analysis Method	PQL	MDL	Dil.	Date Digested	Date Analyzed	Result	Q
Arsenic	Total	6010B	10	8.0	1	09/28/05	9/30/05	ND	
Iron	Total	6010B	20	6.0	1	09/28/05	9/30/05	7970	
Manganese	Total	6010B	1.0	0.4	1	09/28/05	9/30/05	116	

% Solids: 100.0

Comments:

INORGANIC ANALYSIS DATA SHEET

Client:	Montgomery Watson Americas, Incorporated	Service Request:	L0501641
Project No.:	1890933.0401	Date Collected:	09/14/05
Project Name:	Honeywell- North Hollywood, VA	Date Received:	09/14/05
Matrix:	SOIL	Units:	mg/Kg
		Basis:	WET

Sample Name: TS-4-20 Lab Code: L0501641-023

Analyte		Analysis Method	PQL	MDL	Dil.	Date Digested	Date Analyzed	Result	Q
Arsenic	Total	6010B	10	8.0	1	09/28/05	9/30/05	8.2	J
Iron	Total	6010B	20	6.0	1	09/28/05	9/30/05	14200	
Manganese	Total	6010B	1.0	0.4	1	09/28/05	9/30/05	176	

% Solids: 100.0

Comments:

-1-

INORGANIC ANALYSIS DATA SHEET

Client:	Montgomery Watson Americas, Incorporated	Service Request:	L0501641
Project No.:	1890933.0401	Date Collected:	09/14/05
Project Name:	Honeywell- North Hollywood, VA	Date Received:	09/14/05
Matrix:	SOIL	Units:	mg/Kg
		Basis:	WET

Sample Name: TS-4-25 Lab Code: L0501641-024

Analyte		Analysis Method	PQL	MDL	Dil.	Date Digested	Date Analyzed	Result	Q
Arsenic	Total	6010B	10	8.0	1	09/28/05	9/30/05	ND	
Iron	Total	6010B	20	6.0	1	09/28/05	9/30/05	12900	
Manganese	Total	6010B	1.0	0.4	1	09/28/05	9/30/05	158	

% Solids: 100.0

Comments:

INORGANIC ANALYSIS DATA SHEET

Client:	Montgomery Watson Americas, Incorporated	Service Request:	L0501641
Project No.:	1890933.0401	Date Collected:	09/14/05
Project Name:	Honeywell- North Hollywood, VA	Date Received:	09/14/05
Matrix:	SOIL	Units:	mg/Kg
		Basis:	WET

Sample Name: TS-4-30 Lab Code: L0501641-025

Analyte		Analysis Method	PQL	MDL	Dil.	Date Digested	Date Analyzed	Result	Q
Arsenic	Total	6010B	10	8.0	1	09/28/05	9/30/05	ND	
Iron	Total	6010B	20	6.0	1	09/28/05	9/30/05	12400	
Manganese	Total	6010B	1.0	0.4	1	09/28/05	9/30/05	172	

% Solids: 100.0

Comments:

-1-

INORGANIC ANALYSIS DATA SHEET

Client:	Montgomery Watson Americas, Incorporated	Service Request:	L0501641
Project No.:	1890933.0401	Date Collected:	09/14/05
Project Name:	Honeywell- North Hollywood, VA	Date Received:	09/14/05
Matrix:	SOIL	Units:	mg/Kg
		Basis:	WET

Sample Name: TS-4-35 Lab Code: L0501641-026

Analyte		Analysis Method	PQL	MDL	Dil.	Date Digested	Date Analyzed	Result	Q
Arsenic	Total	6010B	10	8.0	1	09/28/05	9/30/05	ND	
Iron	Total	6010B	20	6.0	1	09/28/05	9/30/05	15100	
Manganese	Total	6010B	1.0	0.4	1	09/28/05	9/30/05	195	

% Solids: 100.0

Comments:

INORGANIC ANALYSIS DATA SHEET

Client:	Montgomery Watson America, Incorporated	Service Request:	L0501641
Project No.:	1890933.0401	Date Collected:	09/14/05
Project Name:	Honeywell - North Hollywood,CA	Date Received:	09/14/05
Matrix:	SOIL	Units:	mg/Kg
		Basis:	WET

Sample Name: TS-4-40 Lab Code: L0501641-027

Analyte		Analysis Method	PQL	MDL	Dil.	Date Digested	Date Analyzed	Result	Q
Arsenic	Total	6010B	10	8.0	1	09/28/05	10/11/05	ND	
Iron	Total	6010B	20	6.0	1	09/28/05	9/30/05	14800	
Manganese	Total	6010B	1.0	0.4	1	09/28/05	9/30/05	180	
Sodium	Total	6010B	50	20	1	09/28/05	10/11/05	249	

% Solids: 100.0

Comments:

-1-

INORGANIC ANALYSIS DATA SHEET

Client:	Montgomery Watson Americas, Incorporated	Service Request:	L0501641
Project No.:	1890933.0401	Date Collected:	09/14/05
Project Name:	Honeywell- North Hollywood, VA	Date Received:	09/14/05
Matrix:	SOIL	Units:	mg/Kg
		Basis:	WET

Sample Name: TS-4-45 Lab Code: L0501641-028

Analyte		Analysis Method	PQL	MDL	Dil.	Date Digested	Date Analyzed	Result	Q
Arsenic	Total	6010B	10	8.0	1	09/28/05	9/30/05	ND	
Iron	Total	6010B	20	6.0	1	09/28/05	9/30/05	15200	
Manganese	Total	6010B	1.0	0.4	1	09/28/05	9/30/05	187	

% Solids: 100.0

Comments:

-1-

INORGANIC ANALYSIS DATA SHEET

Client:	Montgomery Watson Americas, Incorporated	Service Request:	L0501641
Project No.:	1890933.0401	Date Collected:	09/14/05
Project Name:	Honeywell- North Hollywood, VA	Date Received:	09/14/05
Matrix:	SOIL	Units:	mg/Kg
		Basis:	WET

Sample Name: TS-4-50 Lab Code: L0501641-029

Analyte		Analysis Method	PQL	MDL	Dil.	Date Digested	Date Analyzed	Result	Q
Arsenic	Total	6010B	10	8.0	1	09/28/05	9/30/05	ND	
Iron	Total	6010B	20	6.0	1	09/28/05	9/30/05	7620	
Manganese	Total	6010B	1.0	0.4	1	09/28/05	9/30/05	93	

% Solids: 100.0

Comments:

-1-

INORGANIC ANALYSIS DATA SHEET

Client:	Montgomery Watson Americas, Incorporated	Service Request:	L0501641
Project No.:	1890933.0401	Date Collected:	09/14/05
Project Name:	Honeywell- North Hollywood, VA	Date Received:	09/14/05
Matrix:	SOIL	Units:	mg/Kg
		Basis:	WET

Sample Name: TS-4-55 Lab Code: L0501641-030

Analyte		Analysis Method	PQL	MDL	Dil.	Date Digested	Date Analyzed	Result	Q
Arsenic	Total	6010B	10	8.0	1	09/28/05	9/30/05	ND	
Iron	Total	6010B	20	6.0	1	09/28/05	9/30/05	9610	
Manganese	Total	6010B	1.0	0.4	1	09/28/05	9/30/05	123	

% Solids: 100.0

Comments:

INORGANIC ANALYSIS DATA SHEET

Client:	Montgomery Watson America, Incorporated	Service Request:	L0501641
Project No.:	1890933.0401	Date Collected:	N/A
Project Name:	Honeywell - North Hollywood,CA	Date Received:	N/A
Matrix:	SOIL	Units:	mg/Kg
		Basis:	WET

Sample Name: Method Blank Lab Code: MB050928S-1

Analyte		Analysis Method	PQL	MDL	Dil.	Date Digested	Date Analyzed	Result	Q
Arsenic	Total	6010B	10.0	8.0	1	09/28/05	10/11/05	ND	
Iron	Total	6010B	20.0	6.0	1	09/28/05	10/3/05	ND	
Manganese	Total	6010B	1.0	0.4	1	09/28/05	10/3/05	ND	

% Solids: 100.0

Comments:

Form I - IN

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INORGANIC ANALYSIS DATA SHEET

Client:	Montgomery Watson Americas, Incorporated	Service Request:	L0501641
Project No.:	1890933.0401	Date Collected:	N/A
Project Name:	Honeywell- North Hollywood, VA	Date Received:	N/A
Matrix:	SOIL	Units:	mg/Kg
		Basis:	WET

Sample Name: Method Blank Lab Code: MB050928S-2

Analyte		Analysis Method	PQL	MDL	Dil.	Date Digested	Date Analyzed	Result	Q
Arsenic	Total	6010B	10.0	8.0	1	09/28/05	9/30/05	ND	
Iron	Total	6010B	20	6	1	09/28/05	9/30/05	ND	
Manganese	Total	6010B	1.0	0.4	1	09/28/05	9/30/05	ND	

% Solids: 100.0

Comments:

Analytical Report

MATRIX SPIKE/DUPLICATE MATRIX SPIKE SUMMARY

Client:	Montgomery Watson Americas, Incorporated	Service Request:	L0501641
Project No.:	1890933.0401	Units:	mg/Kg
Project Name:	Honeywell- North Hollywood, VA	Basis:	WET
Matrix:	SOIL	% Solids:	100.0

Sample Name: TS-1-20SD Lab Code: L0501641-001SD

Analyte	Prep Method	Method	PQL	Spike Level MS	Spike Level DMS	Sample Result	Spike Result MS	Spike Result DMS	Percent Recovery MS	Percent Recovery DMS	% Rec Acceptance Limits	Result Notes
Arsenic	EPA 3050	6010B	10.0	100	100	8.1	92.9	97.4	84.8	89.3	75 - 125	
Iron	EPA 3050	6010B	20	500	500	11394	12340	12423	NC	NC	75 - 125	M7
Manganese	EPA 3050	6010B	1.0	50.0	50.0	138.5	194.6	194.8	112	113	75 - 125	

Columbia Analytical Services

Analytical Report

MATRIX SPIKE/DUPLICATE MATRIX SPIKE SUMMARY

Client:	Montgomery Watson Americas, Incorporated	Service Request:	L0501641
Project No.:	1890933.0401	Units:	mg/Kg
Project Name:	Honeywell- North Hollywood, VA	Basis:	WET
Matrix:	SOIL	% Solids:	100.0

Sample Name: TS-3-40SD Lab Code: L0501641-020SD

Analyte	Prep Method	Method	PQL	Spike Level MS	Spike Level DMS	Sample Result	Spike Result MS	Spike Result DMS	Percent Recovery MS	Percent Recovery DMS	% Rec Acceptance Limits	Result Notes
Arsenic	EPA 3050	6010B	10.0	100	100	ND	108.6	104.0	108.6	104	75 - 125	
Iron	EPA 3050	6010B	20.0	500	500	10265.3	10046.5	9998.8	NC	NC	75 - 125	M7
Manganese	EPA 3050	6010B	1.0	50	50	149.4	193.3	199.1	88	99	75 - 125	

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DUPLICATES

Client:	Montgomery Watson Americas, Incorporated	Service Request:	L0501641
Project No.:	1890933.0401	Units:	mg/Kg
Project Name:	Honeywell- North Hollywood, VA	Basis:	WET
Matrix:	SOIL	% Solids:	100.0

Sample Name: TS-1-20D Lab Code: L0501641-001D

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	Method
Arsenic	0-20	8.1	J	8.0	U			6010B
Iron	0-20	11393.7		15876.7		32.9	*	6010B
Manganese	0-20	138.5		161.3		15.2		6010B

An empty field in the Control Limit column indicates the control limit is not applicable.

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DUPLICATES

Client:	Montgomery Watson Americas, Incorporated	Service Request:	L0501641
Project No.:	1890933.0401	Units:	mg/Kg
Project Name:	Honeywell- North Hollywood, VA	Basis:	WET
Matrix:	SOIL	% Solids:	100.0

Sample Name: TS-1-20SD Lab Code: L0501641-001SD

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	Method
Arsenic	0-20	92.9		97.4		4.7		6010B
Iron	0-20	12340		12423		0.7		6010B
Manganese	0-20	194.6		194.8		0.1		6010B

An empty field in the Control Limit column indicates the control limit is not applicable.

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DUPLICATES

Client:	Montgomery Watson Americas, Incorporated	Service Request:	L0501641
Project No.:	1890933.0401	Units:	mg/Kg
Project Name:	Honeywell- North Hollywood, VA	Basis:	WET
Matrix:	SOIL	% Solids:	100.0

Sample Name: TS-3-40D Lab Code: L0501641-020D

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	Method
Arsenic	0-20	8.0	U	8.0	U			6010B
Iron	0-20	10265.3		9846.4		4.2		6010B
Manganese	0-20	149.4		142.5		4.7		6010B

An empty field in the Control Limit column indicates the control limit is not applicable.

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DUPLICATES

Client:	Montgomery Watson Americas, Incorporated	Service Request:	L0501641
Project No.:	1890933.0401	Units:	mg/Kg
Project Name:	Honeywell- North Hollywood, VA	Basis:	WET
Matrix:	SOIL	% Solids:	100.0

Sample Name: TS-3-40SD Lab Code: L0501641-020SD

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	Method
Arsenic	0-20	108.6		104.0		4.3		6010B
Iron	0-20	10046.5		9998.8		0.5		6010B
Manganese	0-20	193.3		199.1		3.0		6010B

An empty field in the Control Limit column indicates the control limit is not applicable.

LABORATORY CONTROL SAMPLE

Client: Montgomery Watson Americas, Incorporated Service Request: L0501641

Project No.: 1890933.0401

Project Name: Honeywell- North Hollywood, VA

Analyte	Units	True Value	Result	C	% Recovery	Qual	Acceptance Limits	Date	Analytical Time	Method
Sample ID:	LCS050928S-1									
Arsenic	mg/Kg	100.0	102.0		102		75.0 - 114.0	10/03/05	15:27	6010B
Iron	mg/Kg	500.0	483.3		97		75.0 - 125.0	10/03/05	15:27	6010B
Manganese	mg/Kg	50.0	48.1		96		75.0 - 125.0	10/03/05	15:27	6010B

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LABORATORY CONTROL SAMPLE

Client: Montgomery Watson Americas, Incorporated Service Request: L0501641

Project No.: 1890933.0401

Project Name: Honeywell- North Hollywood, VA

Analyte	Units	True Value	Result	C	% Recovery	Qual	Acceptance Limits	Date	Analytical Time	Method
Sample ID:	LCS050928S-2									
Arsenic	mg/Kg	100	103		103		75.0 - 114.0	09/30/05	13:56	6010B
Iron	mg/Kg	500	512		102		75.0 - 125.0	09/30/05	13:56	6010B
Manganese	mg/Kg	50	51		102		75.0 - 125.0	09/30/05	13:56	6010B

Footnote Summary

Client: Montgomery Watson Americas, Incorpora

Service Request: L0501641

Project No.: 1890933.0401

Project Name: Honeywell- North Hollywoo

Sample ID	Client ID	Analytical Date	Time	Run Number	Batch	Type	Parameter
Footnote: *		Description: RPD outside of acceptance limits. The LCS was acceptable; therefore, data was approved.					
L0501641-001D	TS-1-20D	10/03/05	15:57	1003052	050928S-1	DUP	Iron
Footnote: J		Description: Estimated concentration. The result is less than the PQL but greater than the MDL.					
L0501641-001	TS-1-20	10/03/05	15:32	1003052	050928S-1	SAM	Arsenic
L0501641-017	TS-3-25	10/03/05	17:47	1003052	050928S-1	SAM	Arsenic
L0501641-023	TS-4-20	09/30/05	14:55	9300501	050928S-2	SAM	Arsenic
Footnote: M7		Description: Not Calculated due to relatively high concentration of sample analyte compared to the spike. The LCS was acceptable; therefore, data was approved.					
L0501641-001S	TS-1-20S	10/03/05	15:37	1003052	050928S-1	MS	Iron
L0501641-001SD	TS-1-20SD	10/03/05	15:42	1003052	050928S-1	MSD	Iron
L0501641-020S	TS-3-40S	09/30/05	14:06	9300501	050928S-2	MS	Iron
L0501641-020SD	TS-3-40SD	09/30/05	14:11	9300501	050928S-2	MSD	Iron

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: MWH
Project: Honeywell - North Hollywood, CA/1890933.0401
Sample Matrix: Soil

Service Request: L0501641
Date Collected: 9/14/05
Date Received: 9/14/05

Chromium, Hexavalent

Prep Method: EPA 3060A
Analysis Method: 7199
Test Notes:

Units: mg/Kg (ppm)
Basis: Wet

Sample Name	Lab Code	PQL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
TS-1-20	L0501641-001	0.4	0.09	1	9/20/05	9/22/05	5.9	
TS-1-25	L0501641-002	2	0.5	5	9/20/05	9/22/05	38	
TS-1-30	L0501641-003	0.8	0.18	2	9/20/05	9/22/05	15	
TS-1-35	L0501641-004	0.4	0.09	1	9/20/05	9/22/05	14	
TS-1-40	L0501641-005	2	0.5	5	9/20/05	9/22/05	20	
TS-1-45	L0501641-006	0.4	0.09	1	9/20/05	9/22/05	13	
TS-1-50	L0501641-007	2	0.5	5	9/20/05	9/22/05	26	
TS-1-55	L0501641-008	0.4	0.09	1	9/20/05	9/22/05	15	
TS-1-60	L0501641-009	0.4	0.09	1	9/20/05	9/22/05	8.6	
TS-2-20	L0501641-010	0.4	0.09	1	9/20/05	9/22/05	6.6	
TS-2-25	L0501641-011	0.4	0.09	1	9/20/05	9/23/05	15	
TS-2-30	L0501641-012	0.4	0.09	1	9/20/05	9/23/05	11	
TS-2-35	L0501641-013	8	1.8	20	9/20/05	9/23/05	120	
TS-2-40	L0501641-014	8	1.8	20	9/20/05	9/23/05	170	
TS-2-45	L0501641-015	4	0.9	10	9/20/05	9/23/05	49	
Method Blank	L050920-MB	0.4	0.09	1	9/20/05	9/22/05	ND	

Approved By: Sue Anderson Date: 10/7/05

IA/020597p

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client:	MWH	**Service Request:**	L0501641
Project:	Honeywell - North Hollywood, CA/1890933.0401	**Date Collected:**	NA
LCS Matrix:	Soil	**Date Received:**	NA
		Date Extracted:	9/20/05
		Date Analyzed:	9/22/05

Laboratory Control Sample/Duplicate Laboratory Control Sample Summary
Chromium, Hexavalent

Sample Name:	Duplicate Lab Control Sample	Units:	mg/Kg (ppm)
Lab Code:	L050920-LCS L050920-DLCS	Basis:	Wet
Test Notes:			

Analyte	Prep Method	Analysis Method	True Value LCS	True Value DLCS	Result LCS	Result DLCS	Percent Recovery LCS	Percent Recovery DLCS	CAS Acceptance Limits	Relative Percent Difference	Result Notes
Chromium, Hexavalent	EPA 3060A	7199	4.00	4.00	3.82	3.88	96	97	80-120	2	

Approved By: Sue Anderson Date: 10/7/05

DLCS/020597p

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client:	MWH	**Service Request:**	L0501641
Project:	Honeywell - North Hollywood, CA/1890933.0401	**Date Collected:**	9/14/05
Sample Matrix:	Soil	**Date Received:**	9/14/05
		Date Extracted:	9/20/05
		Date Analyzed:	9/22/05

Matrix Spike/Duplicate Matrix Spike Summary
Chromium, Hexavalent

Sample Name:	TS-1-30		Units:	mg/Kg (ppm)
Lab Code:	L0501641-003MS	L0501641-003DMS	Basis:	Wet
Test Notes:				

Analyte	Prep Method	Analysis Method	PQL	Spike Level MS	Spike Level DMS	Sample Result	Spike Result MS	Spike Result DMS	Percent Recovery MS	Percent Recovery DMS	CAS Acceptance Limits	Relative Percent Difference	Result Notes
Chromium, Hexavalent	EPA 3060A	7199	0.8	4.00	4.00	15.5	21.2	20.5	142	125	75-125	3	M1A

M1A MS outside of acceptance limits. The LCS was acceptable; therefore, data was approved.

Approved By: Sue Ondeck Date: 10/7/05

DMS/020597p

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: MWH
Project: Honeywell - North Hollywood, CA/1890933.0401
Sample Matrix: Soil

Service Request: L0501641
Date Collected: 9/14/05
Date Received: 9/14/05
Date Extracted: 9/20/05
Date Analyzed: 9/22/05

Duplicate Summary
Chromium, Hexavalent

Sample Name: TS-1-30
Lab Code: L0501641-003DUP
Test Notes:

Units: mg/Kg (ppm)
Basis: Wet

Analyte	Prep Method	Analysis Method	PQL	Sample Result	Duplicate Sample Result	Average	Relative Percent Difference	Result Notes
Chromium, Hexavalent	EPA 3060A	7199	0.8	15.5	15.6	15.6	<1	

Approved By: Sue Ouderka Date: 10/7/05

DUP/020597p

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: MWH
Project: Honeywell - North Hollywood, CA/1890933.0401
Sample Matrix: Soil

Service Request: L0501641
Date Collected: 9/14/05
Date Received: 9/14/05

Chromium, Hexavalent

Prep Method: EPA 3060A
Analysis Method: 7199
Test Notes:

Units: mg/Kg (ppm)
Basis: Wet

Sample Name	Lab Code	PQL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
TS-3-20	L0501641-016	1.6	0.4	4	9/26/05	9/27/05	34	
TS-3-25	L0501641-017	8	1.8	20	9/26/05	9/28/05	140	
TS-3-30	L0501641-018	8	1.8	20	9/26/05	9/28/05	190	
TS-3-35	L0501641-019	8	1.8	20	9/26/05	9/28/05	93	
TS-3-40	L0501641-020	8	1.8	20	9/26/05	9/28/05	130	
TS-3-45	L0501641-021	8	1.8	20	9/26/05	9/28/05	170	
TS-3-50	L0501641-022	0.8	0.18	2	9/26/05	9/28/05	22	
TS-4-20	L0501641-023	0.4	0.09	1	9/26/05	9/27/05	1.3	
TS-4-25	L0501641-024	0.4	0.09	1	9/26/05	9/27/05	0.6	
TS-4-30	L0501641-025	4	0.9	10	9/26/05	9/28/05	85	
TS-4-35	L0501641-026	0.4	0.09	1	9/26/05	9/27/05	3.6	
TS-4-40	L0501641-027	0.4	0.09	1	9/26/05	9/27/05	3.5	
TS-4-45	L0501641-028	0.4	0.09	1	9/26/05	9/27/05	19	
TS-4-50	L0501641-029	8	1.8	20	9/26/05	9/28/05	230	
TS-4-55	L0501641-030	8	1.8	20	9/26/05	9/28/05	130	
Method Blank	L050926-MB	0.4	0.09	1	9/26/05	9/27/05	ND	

Approved By: Sue Anderson Date: 10/7/05

1A/020597p

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client:	MWH	**Service Request:**	L0501641
Project:	Honeywell - North Hollywood, CA/1890933.0401	**Date Collected:**	NA
LCS Matrix:	Soil	**Date Received:**	NA
		Date Extracted:	9/26/05
		Date Analyzed:	9/27/05

Laboratory Control Sample/Duplicate Laboratory Control Sample Summary
Chromium, Hexavalent

Sample Name:	Duplicate Lab Control Sample	Units:	mg/Kg (ppm)
Lab Code:	L050926-LCS L050926-DLCS	Basis:	Wet
Test Notes:			

							Percent Recovery				
			True Value		Result				CAS	Relative	
Analyte	**Prep Method**	**Analysis Method**	LCS	DLCS	LCS	DLCS	LCS	DLCS	Acceptance Limits	**Percent Difference**	**Result Notes**
Chromium, Hexavalen	EPA 3060A	7199	4.00	4.00	4.23	4.34	106	109	80-120	3	

Approved By: Joe Anderson Date: 10/7/05

DLCS/020597p

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client:	MWH	**Service Request:**	L0501641
Project:	Honeywell - North Hollywood, CA/1890933.0401	**Date Collected:**	9/14/05
Sample Matrix:	Soil	**Date Received:**	9/14/05
		Date Extracted:	9/26/05
		Date Analyzed:	9/27/05

Matrix Spike/Duplicate Matrix Spike Summary
Chromium, Hexavalent

Sample Name:	TS-3-20		Units:	mg/Kg (ppm)
Lab Code:	L0501641-016MS	L0501641-016DMS	Basis:	Wet
Test Notes:				

Analyte	Prep Method	Analysis Method	PQL	Spike Level MS	Spike Level DMS	Sample Result	Spike Result MS	Spike Result DMS	Percent Recovery MS	Percent Recovery DMS	CAS Acceptance Limits	Relative Percent Difference	Result Notes
Chromium, Hexavalent	EPA 3060A	7199	1.6	4.00	4.00	34.4	41.6	65.9	180	788	75-125	45	M3A/M4B

M3A The accuracy of the spike recovery value is reduced since the analyte concentration in the sample is disproportionate to spike level. The method control sample recovery was acceptable.

M4B RPD outside of acceptance limits. The most probable cause of this anomaly is a heterogeneous sample matrix. The LCS was acceptable; therefore, data was approved.

Approved By: Sue Jenkins Date: 10/7/05

DMS:020597p

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: MWH
Project: Honeywell - North Hollywood, CA/1890933.0401
Sample Matrix: Soil

Service Request: L0501641
Date Collected: 9/14/05
Date Received: 9/14/05
Date Extracted: 9/26/05
Date Analyzed: 9/27/05

Duplicate Summary
Chromium, Hexavalent

Sample Name: TS-3-20
Lab Code: L0501641-016DUP
Test Notes:

Units: mg/Kg (ppm)
Basis: Wet

Analyte	Prep Method	Analysis Method	PQL	Sample Result	Duplicate Sample Result	Average	Relative Percent Difference	Result Notes
Chromium, Hexavalent	EPA 3060A	7199	1.6	34.4	33.7	34.1	2	

Approved By: Joe Jenderski Date: 10/7/05

DUP/020597p

L0501641WET.NK4 - DUP 10/7/05

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COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: MWH
Project: Honeywell - North Hollywood, CA/1890933.0401
Sample Matrix: Soil

Service Request: L0501641
Date Collected: 9/14/05
Date Received: 9/14/05

Sulfate

Prep Method: METHOD
Analysis Method: 9056
Test Notes: A1

Units: mg/Kg (ppm)
Basis: Wet

Sample Name	Lab Code	PQL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
TS-1-20	L0501641-001	20	1	1	9/26/05	9/27/05	27	
TS-1-25	L0501641-002	20	1	1	9/26/05	9/27/05	34	
TS-1-30	L0501641-003	20	1	1	9/26/05	9/27/05	28	
TS-1-35	L0501641-004	20	1	1	9/26/05	9/27/05	22	
TS-1-40	L0501641-005	20	1	1	9/26/05	9/27/05	10	J
TS-1-45	L0501641-006	20	1	1	9/26/05	9/27/05	7	J
TS-1-50	L0501641-007	20	1	1	9/26/05	9/27/05	25	
TS-1-55	L0501641-008	20	1	1	9/26/05	9/27/05	6	J
TS-1-60	L0501641-009	20	1	1	9/26/05	9/27/05	6	J
TS-2-20	L0501641-010	20	1	1	9/26/05	9/27/05	54	
Method Blank	L050926-MB	20	1	1	9/26/05	9/27/05	3	J

A1 Sample preparation: 1:10 (weight:volume) deionized water extraction.
J Estimated concentration. The result is less than the PQL but greater than the MDL.

Approved By: Sue Anderson Date: 10/6/05

1A/020597p

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client:	MWH	**Service Request:**	L0501641
Project:	Honeywell - North Hollywood, CA/1890933.0401	**Date Collected:**	NA
LCS Matrix:	Soil	**Date Received:**	NA
		Date Extracted:	9/26/05
		Date Analyzed:	9/27/05

Laboratory Control Sample Summary
Sulfate

Sample Name:	Lab Control Sample	Units:	mg/Kg (ppm)
Lab Code:	L050926-LCS	Basis:	Wet
Test Notes:			

Analyte	Prep Method	Analysis Method	True Value	Result	Percent Recovery	CAS Percent Recovery Acceptance Limits	Result Notes
Sulfate	METHOD	9056	100	109	109	86-110	

Approved By: Date: 10/6/05

LCS/020597p

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COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client:	MWH	**Service Request:**	L0501641
Project:	Honeywell - North Hollywood, CA/1890933.0401	**Date Collected:**	9/14/05
Sample Matrix:	Soil	**Date Received:**	9/14/05
		Date Extracted:	9/26/05
		Date Analyzed:	9/27/05

Matrix Spike/Duplicate Matrix Spike Summary
Sulfate

Sample Name:	TS-1-25		Units:	mg/Kg (ppm)
Lab Code:	L0501641-002MS	L0501641-002DMS	Basis:	Wet
Test Notes:				

Analyte	Prep Method	Analysis Method	PQL	Spike Level MS	Spike Level DMS	Sample Result	Spike Result MS	Spike Result DMS	Percent Recovery MS	Percent Recovery DMS	CAS Acceptance Limits	Relative Percent Difference	Result Notes
Sulfate	METHOD	9056	20	100	100	33.8	131	131	97	97	83-119	<1	

Approved By: Sue Anderson Date: 10/6/05

DMS:020597p

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client:	MWH	**Service Request:**	L0501641
Project:	Honeywell - North Hollywood, CA/1890933.0401	**Date Collected:**	9/14/05
Sample Matrix:	Soil	**Date Received:**	9/14/05
		Date Extracted:	9/26/05
		Date Analyzed:	9/27/05

Duplicate Summary
Sulfate

Sample Name:	TS-1-25	Units:	mg/Kg (ppm)
Lab Code:	L0501641-002DUP	Basis:	Wet
Test Notes:			

Analyte	Prep Method	Analysis Method	PQL	Sample Result	Duplicate Sample Result	Average	Relative Percent Difference	Result Notes
Sulfate	METHOD	9056	20	33.8	33.1	33.5	2	

Approved By: Joe Anderson Date: 10/6/05

DUP/020597p

L0501641WET.NK1 - DUP 10/6/05

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COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: MWH
Project: Honeywell - North Hollywood, CA/1890933.0401
Sample Matrix: Soil

Service Request: L0501641
Date Collected: 9/14/05
Date Received: 9/14/05

Sulfate

Prep Method: METHOD
Analysis Method: 9056
Test Notes: A1

Units: mg/Kg (ppm)
Basis: Wet

Sample Name	Lab Code	PQL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
TS-2-25	L0501641-011	20	1	1	9/27/05	9/27/05	61	
TS-2-30	L0501641-012	20	1	1	9/27/05	9/27/05	51	
TS-2-35	L0501641-013	20	1	1	9/27/05	9/27/05	41	
TS-2-40	L0501641-014	20	1	1	9/27/05	9/27/05	130	
TS-2-45	L0501641-015	20	1	1	9/27/05	9/27/05	63	
TS-3-20	L0501641-016	20	1	1	9/27/05	9/27/05	84	
TS-3-25	L0501641-017	20	1	1	9/27/05	9/27/05	75	
TS-3-30	L0501641-018	20	1	1	9/27/05	9/27/05	63	
TS-3-35	L0501641-019	20	1	1	9/27/05	9/27/05	39	
TS-3-40	L0501641-020	20	1	1	9/27/05	9/27/05	92	
TS-3-45	L0501641-021	20	1	1	9/27/05	9/27/05	52	
TS-3-50	L0501641-022	20	1	1	9/27/05	9/27/05	10	J
TS-4-20	L0501641-023	20	1	1	9/27/05	9/27/05	200	
TS-4-25	L0501641-024	20	1	1	9/27/05	9/27/05	59	
TS-4-30	L0501641-025	20	1	1	9/27/05	9/27/05	140	
TS-4-35	L0501641-026	20	1	1	9/27/05	9/27/05	160	
TS-4-40	L0501641-027	20	1	1	9/27/05	9/27/05	170	
TS-4-45	L0501641-028	20	1	1	9/27/05	9/27/05	120	
TS-4-50	L0501641-029	20	1	1	9/27/05	9/27/05	77	
TS-4-55	L0501641-030	20	1	1	9/27/05	9/27/05	69	
Method Blank	L050927-MB	20	1	1	9/27/05	9/27/05	3	J

A1 Sample preparation: 1:10 (weight:volume) deionized water extraction.
J Estimated concentration. The result is less than the PQL but greater than the MDL.

Approved By: Sue Oulesen Date: 10/6/05

1A/020597p

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client:	MWH	**Service Request:**	L0501641
Project:	Honeywell - North Hollywood, CA/1890933.0401	**Date Collected:**	NA
LCS Matrix:	Soil	**Date Received:**	NA
		Date Extracted:	9/27/05
		Date Analyzed:	9/27/05

Laboratory Control Sample Summary
Sulfate

Sample Name:	Lab Control Sample	Units:	mg/Kg (ppm)
Lab Code:	L050927-LCS	Basis:	Wet
Test Notes:			

Analyte	Prep Method	Analysis Method	True Value	Result	Percent Recovery	CAS Percent Recovery Acceptance Limits	Result Notes
Sulfate	METHOD	9056	100	104	104	86-110	

Approved By: Sue Quiles Date: 10/6/05

LCS/020597p

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client:	MWH	**Service Request:**	L0501641
Project:	Honeywell - North Hollywood, CA/1890933.0401	**Date Collected:**	9/14/05
Sample Matrix:	Soil	**Date Received:**	9/14/05
		Date Extracted:	9/27/05
		Date Analyzed:	9/27/05

Matrix Spike/Duplicate Matrix Spike Summary
Sulfate

Sample Name:	TS-3-40		Units:	mg/Kg (ppm)
Lab Code:	L0501641-020MS	L0501641-020DMS	Basis:	Wet
Test Notes:				

Analyte	Prep Method	Analysis Method	PQL	Spike Level MS	Spike Level DMS	Sample Result	Spike Result MS	Spike Result DMS	Percent Recovery MS	Percent Recovery DMS	CAS Acceptance Limits	Relative Percent Difference	Result Notes
Sulfate	METHOD	9056	20	100	100	91.7	192	191	100	99	83-119	<1	

Approved By: Sue Anderson Date: 10/6/05

DMS/020597p

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client:	MWH	**Service Request:**	L0501641
Project:	Honeywell - North Hollywood, CA/1890933.0401	**Date Collected:**	9/14/05
Sample Matrix:	Soil	**Date Received:**	9/14/05
		Date Extracted:	9/27/05
		Date Analyzed:	9/27/05

Matrix Spike/Duplicate Matrix Spike Summary
Sulfate

Sample Name:	TS-3-45		Units:	mg/Kg (ppm)
Lab Code:	L0501641-021MS	L0501641-021DMS	Basis:	Wet
Test Notes:				

Analyte	Prep Method	Analysis Method	PQL	Spike Level MS	Spike Level DMS	Sample Result	Spike Result MS	Spike Result DMS	Percent Recovery MS	Percent Recovery DMS	CAS Acceptance Limits	Relative Percent Difference	Result Notes
Sulfate	METHOD	9056	20	100	100	51.8	151	152	99	100	83-119	<1	

Approved By: Sue Anderson Date: 10/6/05

DMS/020597p

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: MWH
Project: Honeywell - North Hollywood, CA/1890933.0401
Sample Matrix: Soil

Service Request: L0501641
Date Collected: 9/14/05
Date Received: 9/14/05
Date Extracted: 9/27/05
Date Analyzed: 9/27/05

Duplicate Summary
Sulfate

Sample Name: TS-3-40
Lab Code: L0501641-020DUP
Test Notes:

Units: mg/Kg (ppm)
Basis: Wet

Analyte	Prep Method	Analysis Method	PQL	Sample Result	Duplicate Sample Result	Average	Relative Percent Difference	Result Notes
Sulfate	METHOD	9056	20	91.7	91.2	91.5	<1	

Approved By: Sue Anderson Date: 10/6/05

DUP/020597p

L0501641WET.NK2 - DUP 10/6/05

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L0501641

Honeywell — Chain Of Custody / Analysis Request

AESI Ref: 38271-38932
COC #: 37070-0036
Lab Use Only
Lab Proj:
Lab ID: CAS
Job No: 1890933.0401

Privileged & Confidential
EDD To:
Site Name: NORTHHOLLY
Location of Site: Honeywell - North Hollywood, California Projec

A/C
Client Contact: (name, co., address)
Richard Thomasser/Michael Flaugher
MWH
3050 Saturn Street, Suite 205, Brea, CA 92821
michael.flaugher@mwhglobal.com
Contact Phone/Cell: (714) 646-2007 / (714) 936-3397
Hardcopy Report To: Michael Flaugher
Invoice To: Benny DeHghi

Sampler: C Nancarrow
PO # 1890933.0401
Analysis Turnaround Time: 10
Standard -
Rush Charges Authorized for -
2 weeks -
1 week -
Next Day -

Preservative: 0 0 0 0 0 0 0 0 0 0 0 0 0

Location ID	Start Depth (ft)	End Depth (ft)	Field Sample ID	Sample Date	Sample Time	Sample Type	Sample Matrix	Sample Purpose	# of Cont.	Hex. Chromium (EPA 7199)	Iron, Manganese, Arsenic (EPA 6010B)	Sulfate (EPA 300.0)	Sulfide (EPA 376.2)	TOC (415.1)									Lab Sample Number
TS-1			TS-1-20	9.14.05	0921		Soil			✓	✓	✓	✓	✓									1
TS-1			TS-1-25	9.14.05	0924		Soil			✓	✓	✓	✓	✓									2
TS-1			TS-1-30	9.14.05	0927		Soil			✓	✓	✓	✓	✓									3
TS-1			TS-1-35	9.14.05	0931		Soil			✓	✓	✓	✓	✓									4
TS-1			TS-1-40	9.14.05	0934		Soil			✓	✓	✓	✓	✓									5
TS-1			TS-1-45	9.14.05	0939		Soil			✓	✓	✓	✓	✓									6
TS-1			TS-1-50	9.14.05	0942		Soil			✓	✓	✓	✓	✓									7
TS-1			TS-1-55	9.14.05	0945		Soil			✓	✓	✓	✓	✓									8
TS-1			TS-1-60	9.14.05	0951		Soil			✓	✓	✓	✓	✓									9
TS-2			TS-2-20	9.14.05	1109		Soil			✓	✓	✓	✓	✓									10
TS-2			TS-2-25	9.14.05	1112		Soil			✓	✓	✓	✓	✓									11
TS-2			TS-2-30	9.14.05	1116		Soil			✓	✓	✓	✓	✓									12

Special Instructions: ☆ NO DRY ANALYSIS

Relinquished by	Company	Date/Time	Received by	Company	Date/Time	Condition	Cooler Temp.	Custody Seals Intact
C Nancarrow	MWH	9.14.05 1618	[signature]	CAS	9-14-05 1618			
[signature]	CAS	9/14/05 1730	[signature]	CAS	9/14/05 1730	OK	3	

Preservatives: 0 = None; [1 = HCL]; [2 = HNO3]; [3 = H2SO4]; [4 = NaOH]; [5 = Zn. Acetate]; [6 = MeOH]; [7 = NaHSO4]; 8 = Other (specify):

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L0501641

Honeywell

Chain Of Custody / Analysis Request

AESI Ref: 38271-38932
COC #: 37070-D075
Lab Use Only
Lab Proj #:
Lab ID: CAS
Job No: 1890933.040

Privileged & Confidential:
EDD To:
Site Name: NORTHHOLLY
Location of Site: Honeywell - North Hollywood, California Projec

A/C
Client Contact: (name, co., address)
Richard Thomasser/Michael Flaugher
MWH
3050 Saturn Street, Suite 205, Brea, CA 92821
michael.flaugher@mwhglobal.com
Contact Phone/Cell: (714) 646-2007 / (714) 936-3397
Hardcopy Report To: Michael Flaugher
Invoice To: Benny DeHghi

Sampler: C Nancarrow
PO #: 1890933.0401
Analysis Turnaround Time: 10
Standard -
Rush Charges Authorized for -
2 weeks -
1 week -
Next Day -

Preservative

Location ID	Start Depth (ft)	End Depth (ft)	Field Sample ID	Sample Date	Sample Time	Sample Type	Sample Matrix	Sample Purpose	# of Cont.	Grab Composite	Field Filtered Sample	Hex. Chromium (EPA 7199)	Iron, Manganese, Arsenic (EPA 6010B)	Sulfate (EPA 300.0)	Sulfide (EPA 376.2)	TOC (415.1)									Lab Sample Number
												0	0	0	0	0	0	0	0	0	0	0	0	0	
											Units	mg/L	mg/L	mg/L	mg/L	mg/L	ug/L	ug/L	ug/L	ug/L					
TS-2			TS-2-35	9.14.05	1119		Soil					✓	✓	✓	✓	✓									13
TS-2			TS-2-40	9.14.05	1127		Soil					✓	✓	✓	✓	✓									14
TS-2			TS-2-45	9.14.05	1129		Soil					✓	✓	✓	✓	✓									15
TS-3			TS-3-20	9.14.05	1223		Soil					✓	✓	✓	✓	✓									16
TS-3			TS-3-25	9.14.05	1228		Soil					✓	✓	✓	✓	✓									17
TS-3			TS-3-30	9.14.05	1231		Soil					✓	✓	✓	✓	✓									18
TS-3			TS-3-35	9.14.05	1239		Soil					✓	✓	✓	✓	✓									19
TS-3			TS-3-40	9.14.05	1243		Soil					✓	✓	✓	✓	✓									20
TS-3			TS-3-45	9.14.05	1247		Soil					✓	✓	✓	✓	✓									21
TS-3			TS-3-50	9.14.05	1254		Soil					✓	✓	✓	✓	✓									22
TS-4			TS-4-20	9.14.05	1451		Soil					✓	✓	✓	✓	✓									23
TS-4			TS-4-25	9.14.05	1454		Soil					✓	✓	✓	✓	✓									24

Special Instructions: ☆ NO DRY ANALYSIS

Relinquished by	Company	MWH	Received by	Company	MWH	Condition		Custody Seals Intact	
C Nancarrow	Date/Time	9.14.05 1618	[signature]	Date/Time	9/14/05 1618	Cooler Temp.			
Relinquished by	Company	CAS	Received by	Company	CAS	Condition	OK	Custody Seals Intact	
[signature]	Date/Time	9/14/05 1730	[signature]	Date/Time	9/14/05 1730	Cooler Temp.	3		

Preservatives: 0 = None; [1 = HCL]; [2 = HNO3]; [3 = H2SO4]; [4 = NaOH]; [5 = Zn. Acetate]; [6 = MeOH]; [7 = NaHSO4]; 8 = Other (specify):

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L0501641

Honeywell Chain Of Custody / Analysis Request

AESI Ref	38271-38932
COC #	37070-0075
Lab Use Only	
Lab Proj #	
Lab ID	CAS
Job No	1890933.0401

Privileged & Confidential

EDD To:

Site Name: NORTHHOLLY

Location of Site: Honeywell - North Hollywood, California Projec

A/C

Client Contact: (name, co., address)
Richard Thomasser/Michael Flaugher
MWH
3050 Saturn Street, Suite 205, Brea, CA 92821
michael.flaugher@mwhglobal.com
Contact Phone/Cell: (714) 646-2007 / (714) 936-3397

Hardcopy Report To: Michael Flaugher

Invoice To: Benny DeHghi

Sampler: C Mancarrow

P O # 1890933.0401

Analysis Turnaround Time: 10

Standard -

Rush Charges Authorized for -

2 weeks -

1 week -

Next Day -

Preservative

Location ID	Start Depth (ft)	End Depth (ft)	Field Sample ID	Sample Date	Sample Time	Sample Type	Sample Matrix	Sample Purpose	# of Cont.	Grab/Composite	Field Filtered Sample?	Hex. Chromium (EPA 7199)	Iron, Manganese, Arsenic (EPA 6010B)	Sulfate (EPA 300.0)	Sulfide (EPA 376.2)	TOC (415.1)									Lab Sample Numbers
												0	0	0	0	0	0	0	0	0	0	0	0	0	
										Units		mg/L	mg/L	mg/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L					
TS-4			TS-4-30	9.14.05	1456		Soil					✓	✓	✓	✓	✓									25
TS-4			TS-4-35	9.14.05	1457		Soil					✓	✓	✓	✓	✓									26
TS-4			TS-4-40	9.14.05	1459		Soil					✓	✓	✓	✓	✓									27
TS-4			TS-4-45	9.14.05	1502		Soil					✓	✓	✓	✓	✓									28
TS-4			TS-4-50	9.14.05	1505		Soil					✓	✓	✓	✓	✓									29
TS-4			TS-4-55	9.14.05	1507		Soil					✓	✓	✓	✓	✓									30
				~~9.14.05~~																					

Special Instructions: ★ NO DRY ANALYSIS

Relinquished by	Company	MWH	Received by	Company	MWH	Condition		Custody Seals Intact	
C Mancarrow	Date/Time	9.14.05	[signature]	Date/Time	9/14/05 1618	Cooler Temp.			
Relinquished by	Company	CAS	Received by	Company	CAS	Condition	OK	Custody Seals Intact	
[signature]	Date/Time	9/14/05 1730	[signature]	Date/Time	9/14/05 1730	Cooler Temp.	3		

Preservatives: 0 = None; [1 = HCL]; [2 = HNO3]; [3 = H2SO4]; [4 = NaOH]; [5 = Zn. Acetate]; [6 = MeOH]; [7 = NaHSO4]; 8 = Other (specify)

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SAMPLE RECEIPT FORM

Service Request No: L0501641 Client: HONEYWELL

Sample(s) delivered by: Client ____ CAS Emp ____ After Hours ____ DHL ____

Golden State Overnight ____ Fed X ✓ UPS ____ Other Courier ____

Chain of Custody filled out accurately? Yes ✓ No ____ (See Comments)

Appropriate sample volume and containers? Yes ✓ No ____ (See Comments)

Sufficient labeling on container(s) ? Yes ✓ No ____ (See Comments)

Container(s) supplied by CAS? Yes ✓ No ____ (See Comments)

Custody seal(s) intact? N/A ✓ Yes ____ No ____ (See Comments)

Trip Blank(s) received Yes ✓ No ____

If Trip Blank was supplied by CAS, record serial # 0912 -TB- 1

Temperature of sample(s)/cooler 3 °C Temp Blank? Y or N (Circle One)

Voa's Marked Preserved? Yes ✓ No ____ Filled Properly? Yes ✓ No ____ (See Comments)

Preserved Bottles Requiring pH check(s)? Yes ✓ Appropriate Preservation? Yes ✓ No ____

RUSH Turn around time? Yes ____ Notified ____ Date & Time ____

Short Hold-Time Analysis (check all that apply)

ASAP	Res Cl____	D.O____	Flash____	Diss S2-____	Ferrous Fe____
24HR	pH____	Odor____	Cr+6____		
48HR	~~BOD~~ ✓	LK Color____	MBAS____	Nitrate____	
	Nitrite____	O-PO4____	Sett Sol____	Turbidity____	
72HR	Vapors____				

Notified ____ Date & Time ____

Container(s) received and their preservative(s):

-1 → -30 = 1-SOIL SLEEVE
1-16oz Jar
1-4oz Jar

Comments 16oz & 4oz Jar provided in-lab.

Initials, Date, Time LK 9/16/05 1318

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r:\sr_forms\cooler.doc Rev. 2/25/02

5090 Caterpillar Road Redding, California 96003 (530) 244-5227 ph (530) 244-4109 fax

Columbia Analytical Services INC.
An Employee - Owned Company

Ms. Sue Anderson
CAS/Canoga Park
6925 Canoga Avenue
Canoga Park, CA 91303-3102

Columbia Analytical Services Report
MWH Laboratories
DF050758/DF758
L0501641

October 4, 2005

Submitted by:

Douglas Burnett
Project Manager/Client Services

The test results provided in this data package meet the requirements of the NELAC Standards unless noted in the case narrative report.

This report contains a total of 50 pages.

Current CAS Redding Accreditation Programs

Federal and National Programs

- U.S Air Force, Air Force Center for Environmental Excellence (AFCEE)
  Approved laboratory for Wastewater and Hazardous Waste
- U.S. Army Corps of Engineers – MRD, HTRW Mandatory Center of Expertise
  Validated for Wastewater and Hazardous Waste
- Department of the Navy, Naval Facilities Engineering Service Center (NFESC)
  Approved laboratory for Wastewater and Hazardous Waste

State and Local Programs

- State of Arizona, Department of Health Services
  Approved laboratory for Hazardous Waste
  Lab ID# AZ0604
- State of Arkansas, Department of Environmental Quality
  Approved laboratory for Wastewater and Hazardous Waste
  Lab ID# None
- State of California, Department of Health Services, National Environmental Laboratory Accreditation Program (NELAP)
  Approved laboratory for Drinking Water, Wastewater and Hazardous Waste
  Lab ID# 01105CA
  - Los Angeles County Sanitation District
    Approved laboratory for Wastewater
    Lab ID# 10243
- State of Florida, Department of Health (NELAP)
  Approved Environmental Testing Laboratory for Wastewater and Hazardous Waste
  Lab ID# E87203
- State of Kansas, Department of Health and Environment (NELAP)
  Approved laboratory for Hazardous Waste
  Lab ID# E-10323
- State of Massachusetts, Department of Environmental Protection
  Approved laboratory for Drinking Water, Wastewater
  Lab ID# M-CA025
- State of Oklahoma, Department of Environmental Quality
  Approved laboratory for General Water Quality/Sludge Testing
  Lab ID# 9952
- State of Oregon, Department of Human Resources, Health Division (ORELAP)
  Approved laboratory for Drinking Water, Wastewater, and Hazardous Waste
  Lab ID# CA200004
- State of Utah, Department of Health, Division of Laboratory Services (NELAP)
  Approved laboratory for Wastewater and Hazardous Waste
  Lab ID# QUAL1
- State of Washington, Department of Ecology, Environmental Laboratory Accreditation Program
  Approved laboratory for Wastewater and Hazardous Waste
  Lab ID# C037
- State of Wisconsin, Department of Ecology
  Approved laboratory for Wastewater and Hazardous Waste
  Lab ID# 999767340

Inorganic Data Qualifiers
Cations

C (Concentration) Qualifier:

B -- The reported value obtained was less than the CRDL, but greater than or equal to the MDL/IDL.

U -- The value was less than the MDL/IDL or was not detected.

Q Qualifier:

E -- The reported value is estimate because of interference.

M -- Duplicate injection precision was not met. (Two analyses of the sample did not agree).

N -- Spiked sample recovery not within control limits.

S -- The reported value was determined by the Method of Standard Additions (MSA).

J -- Post digestion spike for Graphite Furnace AA analyses is out of control limits (85% - 115%). while sample absorbance is less than 50% of spike absorbance.

* -- Duplicate analysis not within control limits.

+ -- Correlation coefficient for the MSA is less than 0.995.

M (Method) Qualifier:

P -- ICP

A -- Flame AA

F -- Furnace AA

CV -- Cold Vapor

AV -- Automated Cold Vapor

NR -- Analyte was not required

C -- Manual spectrophotometric

RRL (Reliable Reporting Limit):

RRL -- The reliable reporting limit was established to qualify analytical results for which no CRDL was Available, or did not apply. The RRL is a concentration approximately four times the Method Detection Limit (MDL).

Sample ID Cross-reference Table

CAS Lab Sample ID		Client Sample ID	Receive Date	Collect Date		Sample Matrix	Additional Description
DUP = Duplicate; FS = Field Sample; LCS = Lab Control Sample; MS = Matrix Spike; MSD = Matrix Spike Duplicate; NON = Non-Sample Type (Internal Admin)							
DF758001	FS	TS-1-20	09/14/05	09/14/05	09:21	Soil	
DF758002	FS	TS-1-25	09/14/05	09/14/05	09:24	Soil	
DF758003	FS	TS-1-30	09/14/05	09/14/05	09:27	Soil	
DF758004	FS	TS-1-35	09/14/05	09/14/05	09:31	Soil	
DF758005	FS	TS-1-40	09/14/05	09/14/05	09:34	Soil	
DF758006	FS	TS-1-45	09/14/05	09/14/05	09:39	Soil	
DF758007	FS	TS-1-50	09/14/05	09/14/05	09:42	Soil	
DF758008	FS	TS-1-55	09/14/05	09/14/05	09:45	Soil	
DF758009	FS	TS-1-60	09/14/05	09/14/05	09:51	Soil	
DF758010	FS	TS-2-20	09/14/05	09/14/05	11:09	Soil	
DF758011	FS	TS-2-25	09/14/05	09/14/05	11:12	Soil	
DF758012	FS	TS-2-30	09/14/05	09/14/05	11:16	Soil	
DF758013	FS	TS-2-35	09/14/05	09/14/05	11:19	Soil	
DF758014	FS	TS-2-40	09/14/05	09/14/05	11:27	Soil	
DF758015	FS	TS-2-45	09/14/05	09/14/05	11:29	Soil	
DF758016	FS	TS-3-20	09/14/05	09/14/05	12:23	Soil	
DF758017	FS	TS-3-25	09/14/05	09/14/05	12:28	Soil	
DF758018	FS	TS-3-30	09/14/05	09/14/05	12:31	Soil	
DF758019	FS	TS-3-35	09/14/05	09/14/05	12:39	Soil	
DF758020	FS	TS-3-40	09/14/05	09/14/05	12:43	Soil	
DF758021	FS	TS-3-45	09/14/05	09/14/05	12:47	Soil	
DF758022	FS	TS-3-50	09/14/05	09/14/05	12:54	Soil	
DF758023	FS	TS-4-20	09/14/05	09/14/05	14:51	Soil	
DF758024	FS	TS-4-25	09/14/05	09/14/05	14:54	Soil	
DF758025	FS	TS-4-30	09/14/05	09/14/05	14:56	Soil	
DF758026	FS	TS-4-35	09/14/05	09/14/05	14:57	Soil	
DF758027	FS	TS-4-40	09/14/05	09/14/05	14:59	Soil	
DF758028	FS	TS-4-45	09/14/05	09/14/05	15:02	Soil	
DF758029	FS	TS-4-50	09/14/05	09/14/05	15:05	Soil	
DF758030	FS	TS-4-55	09/14/05	09/14/05	15:07	Soil	

The above lab sample ID's and cross reference information apply to samples as received by the laboratory. Modifiers to the lab sample ID may be added for internal tracking purposes. Any modified sample ID will be reflected in the appropriate case narrative only.

CASE NARRATIVE

COLUMBIA ANALYTICAL SERVICES, INC.

Client:	CAS/Canoga Park	**Service Request No.:**	DF758
Project:	MWH Laboratories	**Date Received:**	9/14/05
Sample Matrix:	Soil		

CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of Columbia Analytical Services, Inc. (CAS). This report contains analytical results for samples designated for Tier II data deliverables.

Sample Receipt

Thirty soil samples were received for analysis at Columbia Analytical Services on 9/14/05. No discrepancies were noted upon initial sample inspection. The samples were received in good condition and consistent with the accompanying chain of custody form. The samples were stored in a refrigerator at 4°C upon receipt at the laboratory.

General Chemistry Parameters (Methods TOC by Walkley-Black and 9030B/9034)

No anomalies associated with the analysis of these samples by the above-mentioned methods were observed.

Approved by: _____ 73 **Date:** 10-4-05

CHAIN OF CUSTODY DOCUMENTATION

Intra-Network Chain of Custody

6925 Canoga Avenue • Canoga Park, CA 91303 • 818-587-5550 • FAX 818-587-5555

CAS Contact: Sue Anderson

DF 758

Project Name: Honeywell - North Hollywood, CA
Project Number: 1890933.0401
Project Manager: Michael Flaugher
Company: MWH

Lab Code	Client Sample ID		# of Cont.	Matrix	Sample Date	Sample Time	Date Received	Send To	SULFIDE 9034	WB_TOC_T Walkley Black
L0501641-001	TS-1-20	1	1	Soil	09/14/05	0921	09/14/05	REDDING	II	II
L0501641-002	TS-1-25	2	1	Soil	09/14/05	0924	09/14/05	REDDING	II	II
L0501641-003	TS-1-30	3	1	Soil	09/14/05	0927	09/14/05	REDDING	II	II
L0501641-004	TS-1-35	4	1	Soil	09/14/05	0931	09/14/05	REDDING	II	II
L0501641-005	TS-1-40	5	1	Soil	09/14/05	0934	09/14/05	REDDING	II	II
L0501641-006	TS-1-45	6	1	Soil	09/14/05	0939	09/14/05	REDDING	II	II
L0501641-007	TS-1-50	7	1	Soil	09/14/05	0942	09/14/05	REDDING	II	II
L0501641-008	TS-1-55	8	1	Soil	09/14/05	0945	09/14/05	REDDING	II	II
L0501641-009	TS-1-60	9	1	Soil	09/14/05	0951	09/14/05	REDDING	II	II
L0501641-010	TS-2-20	10	1	Soil	09/14/05	1109	09/14/05	REDDING	II	II
L0501641-011	TS-2-25	11	1	Soil	09/14/05	1112	09/14/05	REDDING	II	II
L0501641-012	TS-2-30	12	1	Soil	09/14/05	1116	09/14/05	REDDING	II	II
L0501641-013	TS-2-35	13	1	Soil	09/14/05	1119	09/14/05	REDDING	II	II

Special Instructions/Comments

Turnaround Requirements

____ RUSH (Surcharges Apply)

PLEASE CIRCLE WORK DAYS
1 2 3 4 5

____ STANDARD

Requested FAX Date: _____

Requested Report Date: 10/07/05

Report Requirements

____ I. Results Only

____ II. Results + QC Summaries

____ III. Results + QC and Calibration Summaries

____ IV. Data Validation Report with Raw Data

PQL/MDL/I Y
EDD Y Honeywell EIM

Invoice Information

PO# L0501641

Bill to

Relinquished By: [illegible] 9/16/05 1830

Received By: _____

Airbill Number: _____

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0318

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Intra-Network Chain of Custody

6925 Canoga Avenue • Canoga Park, CA 91303 • 818-587-5550 • FAX 818-587-5555

CAS Contact: Sue Anderson

DF 758

Project Name: Honeywell - North Hollywood, CA
Project Number: 1890933.0401
Project Manager: Michael Flaugher
Company: MWH

Lab Code	Client Sample ID		# of Cont.	Matrix	Sample Date	Sample Time	Date Received	Send To	SULFIDE 9034	WB_TOC_T Walkley Black
L0501641-014	TS-2-40	14	1	Soil	09/14/05	1127	09/14/05	REDDING	II	II
L0501641-015	TS-2-45	15	1	Soil	09/14/05	1129	09/14/05	REDDING	II	II
L0501641-016	TS-3-20	16	1	Soil	09/14/05	1223	09/14/05	REDDING	II	II
L0501641-017	TS-3-25	17	1	Soil	09/14/05	1228	09/14/05	REDDING	II	II
L0501641-018	TS-3-30	18	1	Soil	09/14/05	1231	09/14/05	REDDING	II	II
L0501641-019	TS-3-35	19	1	Soil	09/14/05	1239	09/14/05	REDDING	II	II
L0501641-020	TS-3-40	20	MS MSD	Soil	09/14/05	1243	09/14/05	REDDING	II	II
L0501641-021	TS-3-45	21	1	Soil	09/14/05	1247	09/14/05	REDDING	II	II
L0501641-022	TS-3-50	22	1	Soil	09/14/05	1254	09/14/05	REDDING	II	II
L0501641-023	TS-4-20	23	1	Soil	09/14/05	1451	09/14/05	REDDING	II	II
L0501641-024	TS-4-25	24	1	Soil	09/14/05	1454	09/14/05	REDDING	II	II
L0501641-025	TS-4-30	25	1	Soil	09/14/05	1456	09/14/05	REDDING	II	II
L0501641-026	TS-4-35	26	1	Soil	09/14/05	1457	09/14/05	REDDING	II	II

Special Instructions/Comments

Turnaround Requirements

____ **RUSH** (Surcharges Apply)

PLEASE CIRCLE WORK DAYS

1 2 3 4 5

____ **STANDARD**

Requested FAX Date: _____

Requested Report Date: 10/07/05

Report Requirements

____ I. Results Only

____ II. Results + QC Summaries

____ III. Results + QC and Calibration Summaries

____ IV. Data Validation Report with Raw Data

PQL/MDL/J Y

EDD Y Honeywell EIM

Invoice Information

PO# L0501641

Bill to

Relinquished By: [signature] 9/16/05 1830 Received By: _____ Airbill Number: _____

3/28/06 104(e)
0319

Intra-Network Chain of Custody

6925 Canoga Avenue • Canoga Park, CA 91303 • 818-587-5550 • FAX 818-587-5555

CAS Contact: Sue Anderson

DF 758

Project Name: Honeywell - North Hollywood, CA
Project Number: 1890933.0401
Project Manager: Michael Flaugher
Company: MWH

Lab Code	Client Sample ID	# of Cont.	Matrix	Sample Date	Sample Time	Date Received	Send To	SULFIDE 9034	WB_TOC_T Walkley Black
L0501641-027	TS-4-40 27	1	Soil	09/14/05	1459	09/14/05	REDDING	II	II
L0501641-028	TS-4-45 28	1	Soil	09/14/05	1502	09/14/05	REDDING	II	II
L0501641-029	TS-4-50 29	1	Soil	09/14/05	1505	09/14/05	REDDING	II	II
L0501641-030	TS-4-55 30	1	Soil	09/14/05	1507	09/14/05	REDDING	II	II

Test Comments

SULFIDE - 9034	L0501641-001	Need to run MS/MSD & Sample Duplicate (1 per 20) on one of the samples per project requirements.	SULFIDE - 9034	L0501641-002	Need to run MS/MSD & Sample Duplicate (1 per 20) on one of the samples per project requirements.
SULFIDE - 9034	L0501641-003	Need to run MS/MSD & Sample Duplicate (1 per 20) on one of the samples per project requirements.	SULFIDE - 9034	L0501641-004	Need to run MS/MSD & Sample Duplicate (1 per 20) on one of the samples per project requirements.
SULFIDE - 9034	L0501641-005	Need to run MS/MSD & Sample Duplicate (1 per 20) on one of the samples per project requirements.	SULFIDE - 9034	L0501641-006	Need to run MS/MSD & Sample Duplicate (1 per 20) on one of the samples per project requirements.
SULFIDE - 9034	L0501641-007	Need to run MS/MSD & Sample Duplicate (1 per 20) on one of the samples per project requirements.	SULFIDE - 9034	L0501641-008	Need to run MS/MSD & Sample Duplicate (1 per 20) on one of the samples per project requirements.
SULFIDE - 9034	L0501641-009	Need to run MS/MSD & Sample Duplicate (1 per 20) on one of the samples per project requirements.	SULFIDE - 9034	L0501641-010	Need to run MS/MSD & Sample Duplicate (1 per 20) on one of the samples per project requirements.
SULFIDE - 9034	L0501641-011	Need to run MS/MSD & Sample Duplicate (1 per 20) on one of the samples per project requirements.	SULFIDE - 9034	L0501641-012	Need to run MS/MSD & Sample Duplicate (1 per 20) on one of the samples per project requirements.
SULFIDE - 9034	L0501641-013	Need to run MS/MSD & Sample Duplicate (1 per 20) on one of the samples per project requirements.	SULFIDE - 9034	L0501641-014	Need to run MS/MSD & Sample Duplicate (1 per 20) on one of the samples per project requirements.
SULFIDE - 9034	L0501641-015	Need to run MS/MSD & Sample Duplicate (1 per 20) on one of the samples per project requirements.	SULFIDE - 9034	L0501641-016	Need to run MS/MSD & Sample Duplicate (1 per 20) on one of the samples per project requirements.

Special Instructions/Comments

Turnaround Requirements

____RUSH (Surcharges Apply)

PLEASE CIRCLE WORK DAYS
1 2 3 4 5

____STANDARD

Requested FAX Date: _____

Requested Report Date: 10/07/05

Report Requirements

____ I. Results Only

____ II. Results + QC Summaries

____ III. Results + QC and Calibration Summaries

____ IV. Data Validation Report with Raw Data

PQL/MDL/J Y

EDD Y Honeywell EIM

Invoice Information

PO# L0501641

Bill to

Relinquished By: [illegible] 9/16/05 1830

Received By: _____

Airbill Number: _____

3/28/06 104(e)
0320

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Intra-Network Chain of Custody

6925 Canoga Avenue • Canoga Park, CA 91303 • 818-587-5550 • FAX 818-587-5555

CAS Contact: Sue Anderson

Test Comments

SULFIDE - 9034	L0501641-017	Need to run MS/MSD & Sample Duplicate (1 per 20) on one of the samples per project requirements.	SULFIDE - 9034	L0501641-018	Need to run MS/MSD & Sample Duplicate (1 per 20) on one of the samples per project requirements.
SULFIDE - 9034	L0501641-019	Need to run MS/MSD & Sample Duplicate (1 per 20) on one of the samples per project requirements.	SULFIDE - 9034	L0501641-020	Need to run MS/MSD & Sample Duplicate (1 per 20) on one of the samples per project requirements
SULFIDE - 9034	L0501641-021	Need to run MS/MSD & Sample Duplicate (1 per 20) on one of the samples per project requirements.	SULFIDE - 9034	L0501641-022	Need to run MS/MSD & Sample Duplicate (1 per 20) on one of the samples per project requirements.
SULFIDE - 9034	L0501641-023	Need to run MS/MSD & Sample Duplicate (1 per 20) on one of the samples per project requirements.	SULFIDE - 9034	L0501641-024	Need to run MS/MSD & Sample Duplicate (1 per 20) on one of the samples per project requirements.
SULFIDE - 9034	L0501641-025	Need to run MS/MSD & Sample Duplicate (1 per 20) on one of the samples per project requirements.	SULFIDE - 9034	L0501641-026	Need to run MS/MSD & Sample Duplicate (1 per 20) on one of the samples per project requirements.
SULFIDE - 9034	L0501641-027	Need to run MS/MSD & Sample Duplicate (1 per 20) on one of the samples per project requirements.	SULFIDE - 9034	L0501641-028	Need to run MS/MSD & Sample Duplicate (1 per 20) on one of the samples per project requirements
SULFIDE - 9034	L0501641-029	Need to run MS/MSD & Sample Duplicate (1 per 20) on one of the samples per project requirements.	SULFIDE - 9034	L0501641-030	Need to run MS/MSD & Sample Duplicate (1 per 20) on one of the samples per project requirements.
WB_TOC_T - Walkley Black	L0501641-001	Need to run MS/MSD & Sample Duplicate (1 per 20) on one of the samples per project requirements.	WB_TOC_T - Walkley Black	L0501641-002	Need to run MS/MSD & Sample Duplicate (1 per 20) on one of the samples per project requirements.
WB_TOC_T - Walkley Black	L0501641-003	Need to run MS/MSD & Sample Duplicate (1 per 20) on one of the samples per project requirements.	WB_TOC_T - Walkley Black	L0501641-004	Need to run MS/MSD & Sample Duplicate (1 per 20) on one of the samples per project requirements.
WB_TOC_T - Walkley Black	L0501641-005	Need to run MS/MSD & Sample Duplicate (1 per 20) on one of the samples per project requirements.	WB_TOC_T - Walkley Black	L0501641-006	Need to run MS/MSD & Sample Duplicate (1 per 20) on one of the samples per project requirements.
WB_TOC_T - Walkley Black	L0501641-007	Need to run MS/MSD & Sample Duplicate (1 per 20) on one of the samples per project requirements.	WB_TOC_T - Walkley Black	L0501641-008	Need to run MS/MSD & Sample Duplicate (1 per 20) on one of the samples per project requirements.
WB_TOC_T - Walkley Black	L0501641-009	Need to run MS/MSD & Sample Duplicate (1 per 20) on one of the samples per project requirements.	WB_TOC_T - Walkley Black	L0501641-010	Need to run MS/MSD & Sample Duplicate (1 per 20) on one of the samples per project requirements.
WB_TOC_T - Walkley Black	L0501641-011	Need to run MS/MSD & Sample Duplicate (1 per 20) on one of the samples per project requirements.	WB_TOC_T - Walkley Black	L0501641-012	Need to run MS/MSD & Sample Duplicate (1 per 20) on one of the samples per project requirements.
WB_TOC_T - Walkley Black	L0501641-013	Need to run MS/MSD & Sample Duplicate (1 per 20) on one of the samples per project requirements.	WB_TOC_T - Walkley Black	L0501641-014	Need to run MS/MSD & Sample Duplicate (1 per 20) on one of the samples per project requirements.
WB_TOC_T - Walkley Black	L0501641-015	Need to run MS/MSD & Sample Duplicate (1 per 20) on one of the samples per project requirements.	WB_TOC_T - Walkley Black	L0501641-016	Need to run MS/MSD & Sample Duplicate (1 per 20) on one of the samples per project requirements.
WB_TOC_T - Walkley Black	L0501641-017	Need to run MS/MSD & Sample Duplicate (1 per 20) on one of the samples per project requirements.	WB_TOC_T - Walkley Black	L0501641-018	Need to run MS/MSD & Sample Duplicate (1 per 20) on one of the samples per project requirements.
WB_TOC_T - Walkley Black	L0501641-019	Need to run MS/MSD & Sample Duplicate (1 per 20) on one of the samples per project requirements.	WB_TOC_T - Walkley Black	L0501641-020	Need to run MS/MSD & Sample Duplicate (1 per 20) on one of the samples per project requirements.
WB_TOC_T - Walkley Black	L0501641-021	Need to run MS/MSD & Sample Duplicate (1 per 20) on one of the samples per project requirements.	WB_TOC_T - Walkley Black	L0501641-022	Need to run MS/MSD & Sample Duplicate (1 per 20) on one of the samples per project requirements.

Special Instructions/Comments	Turnaround Requirements	Report Requirements	Invoice Information
	____RUSH (Surcharges Apply) PLEASE CIRCLE WORK DAYS 1 2 3 4 5 ____STANDARD Requested FAX Date: _____ Requested Report Date: 10/07/05	____ I. Results Only ____ II. Results + QC Summaries ____ III. Results + QC and Calibration Summaries ____ IV. Data Validation Report with Raw Data PQL/MDL/J Y EDD Y Honeywell EIM	PO# L0501641 Bill to

Relinquished By: [illegible] 9/16/05 1830 Received By: _____ Airbill Number: _____

3/28/06 104(e)
0321

Intra-Network Chain of Custody

6925 Canoga Avenue • Canoga Park, CA 91303 • 818-587-5550 • FAX 818-587-5555

CAS Contact: Sue Anderson

Test Comments

WB_TOC_T - Walkley Black	L0501641-023	Need to run MS/MSD & Sample Duplicate (1 per 20) on one of the samples per project requirements.	WB_TOC_T - Walkley Black	L0501641-024	Need to run MS/MSD & Sample Duplicate (1 per 20) on one of the samples per project requirements.
WB_TOC_T - Walkley Black	L0501641-025	Need to run MS/MSD & Sample Duplicate (1 per 20) on one of the samples per project requirements.	WB_TOC_T - Walkley Black	L0501641-026	Need to run MS/MSD & Sample Duplicate (1 per 20) on one of the samples per project requirements.
WB_TOC_T - Walkley Black	L0501641-027	Need to run MS/MSD & Sample Duplicate (1 per 20) on one of the samples per project requirements.	WB_TOC_T - Walkley Black	L0501641-028	Need to run MS/MSD & Sample Duplicate (1 per 20) on one of the samples per project requirements.
WB_TOC_T - Walkley Black	L0501641-029	Need to run MS/MSD & Sample Duplicate (1 per 20) on one of the samples per project requirements.	WB_TOC_T - Walkley Black	L0501641-030	Need to run MS/MSD & Sample Duplicate (1 per 20) on one of the samples per project requirements.

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Special Instructions/Comments	Turnaround Requirements	Report Requirements	Invoice Information
	____RUSH (Surcharges Apply) PLEASE CIRCLE WORK DAYS 1 2 3 4 5 ____ STANDARD Requested FAX Date: _____ Requested Report Date: 10/07/05	____ I. Results Only ____ II. Results + QC Summaries ____ III. Results + QC and Calibration Summaries ____ IV. Data Validation Report with Raw Data PQL/MDL/I Y EDD Y Honeywell EIM	PO# L0501641 Bill to

Relinquished By: [illegible] 9/6/05 1830 Received By: _____ Airbill Number: _____

3/28/06 104(e)
0322

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Columbia Analytical Services inc.
An Employee-Owned Company

Redding, CA 96003
Phone: (530) 244-5262
Fax #: (530) 244-4109

COOLER RECEIPT FORM

Project/Client: MWH / CY Batch No.: DF 758

Shipped via: Fed Ex

1. Cooler(s)/Sample(s) received on: 9/17/5 # of Coolers/Packages 2
   Shipping Bill # (s): 6121 3302 2981, 2992 Acceptable Rejected
2. Radiological Screening by: [illegible] YES NO N/A
3. Custody seals on outside of cooler:
   If yes, where? Front____ Rear____ Lt Side____ Rt Side____
   Seals intact: YES NO

COOLER/SAMPLE PROCESSING

4. Sample Processing/Tagging by: [illegible]
5. Cooler(s)/Sample(s) Temp's: 4.0C 4.0C ____ ____ ____
   (or)
   Temp. Blank (if included): ____ ____ ____ ____ ____
6. Type of packing material (circle): Ice Blue Ice Bubble Wrap Bubble Bags Zip Locks Webbing
   Other:
7. Custody papers properly filled out (ink, signed, dated, released, etc.)? YES NO
8. Containers arrived in good condition (not broken, leaking, etc.)? YES NO
9. Samples received with adequate holding time remaining to conduct analysis? YES NO
10. Container labels complete (i.e. analysis, preservation, date/time, etc.)? YES NO
11. Container labels and tags agree with custody papers? YES NO
12. Correct types of containers used for the tests indicated? YES NO
    a.) Adequate sample received? If not, note on Exception Report. CAS Other
13. Containers supplied by: YES NO N/A
14. Preserved containers received with the appropriate preservative?
    pH: _____ (or) See pH log. YES NO N/A
15. VOA vials free of air bubbles? CAS Other N/A
16. Trip Blank preparation date: _____
17. Volatile Soil samples: Encores or Plugs in Vials
    Freezer or GC/MS Date: _____ Time: ____ N/A

See Exception Report for discrepancies.

Rev. 8/18/2004/ds

GENERAL CHEMISTRY

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : MWH LAB
Project Name : HONEYWELL-N.HOLLYWOD
Project Number : LRD010000.XY
Sample Matrix : SOIL

Service Request : DF758
Date Collected : 09/14/05
Date Received : 09/14/05

Inorganic Parameters

Sample Name : TS-1-20
Lab Code : DF758-001
Test Notes :

Basis : Dry

Analyte	Units	Analysis Method	PQL	MDL	Dilution Factor	Date/Time Analyzed	Result	Result Notes
Sulfide, Total	mg/Kg	SW9034	200	90	1	09/22/05 12:00	90	U
Total Organic Carbon	mg/Kg	Walkley Black	2000	250	1	09/29/05 11:00	799	J

Report By:C.Skillern

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client :	MWH LAB	**Service Request :**	DF758
Project Name :	HONEYWELL-N.HOLLYWOD	**Date Collected :**	09/14/05
Project Number :	LRD010000.XY	**Date Received :**	09/14/05
Sample Matrix :	SOIL		

Inorganic Parameters

Sample Name : TS-1-25
Lab Code : DF758-002
Test Notes :

Basis : Dry

Analyte	Units	Analysis Method	PQL	MDL	Dilution Factor	Date/Time Analyzed	Result	Result Notes
Sulfide, Total	mg/Kg	SW9034	200	90	1	09/22/05 12:00	90	U
Total Organic Carbon	mg/Kg	Walkley Black	2000	250	1	09/29/05 11:00	250	U

Report By:C.Skillern

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : MWH LAB
Project Name : HONEYWELL-N.HOLLYWOD
Project Number : LRD010000.XY
Sample Matrix : SOIL

Service Request : DF758
Date Collected : 09/14/05
Date Received : 09/14/05

Inorganic Parameters

Sample Name : TS-1-30
Lab Code : DF758-003
Test Notes :

Basis : Dry

Analyte	Units	Analysis Method	PQL	MDL	Dilution Factor	Date/Time Analyzed	Result	Result Notes
Sulfide, Total	mg/Kg	SW9034	200	90	1	09/22/05 12:00	90	U
Total Organic Carbon	mg/Kg	Walkley Black	2000	250	1	09/29/05 11:00	250	U

Report By:C.Skillem

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : MWH LAB
Project Name : HONEYWELL-N.HOLLYWOD
Project Number : LRD010000.XY
Sample Matrix : SOIL

Service Request : DF758
Date Collected : 09/14/05
Date Received : 09/14/05

Inorganic Parameters

Sample Name : TS-1-35
Lab Code : DF758-004
Test Notes :

Basis : Dry

Analyte	Units	Analysis Method	PQL	MDL	Dilution Factor	Date/Time Analyzed	Result	Result Notes
Sulfide, Total	mg/Kg	SW9034	200	90	1	09/22/05 12:00	90	U
Total Organic Carbon	mg/Kg	Walkley Black	2000	250	1	09/29/05 11:00	250	U

Report By:C.Skillern

3/28/06 104(e)
0328

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : MWH LAB
Project Name : HONEYWELL-N.HOLLYWOD
Project Number : LRD010000.XY
Sample Matrix : SOIL

Service Request : DF758
Date Collected : 09/14/05
Date Received : 09/14/05

Inorganic Parameters

Sample Name : TS-1-40
Lab Code : DF758-005
Test Notes :

Basis : Dry

Analyte	Units	Analysis Method	PQL	MDL	Dilution Factor	Date/Time Analyzed	Result	Result Notes
Sulfide, Total	mg/Kg	SW9034	200	90	1	09/22/05 12:00	90	U
Total Organic Carbon	mg/Kg	Walkley Black	2000	250	1	09/29/05 11:00	250	U

Report By:C.Skillem

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : MWH LAB
Project Name : HONEYWELL-N.HOLLYWOD
Project Number : LRD010000.XY
Sample Matrix : SOIL

Service Request : DF758
Date Collected : 09/14/05
Date Received : 09/14/05

Inorganic Parameters

Sample Name : TS-1-45
Lab Code : DF758-006
Test Notes :

Basis : Dry

Analyte	Units	Analysis Method	PQL	MDL	Dilution Factor	Date/Time Analyzed	Result	Result Notes
Sulfide, Total	mg/Kg	SW9034	200	90	1	09/22/05 12:00	90	U
Total Organic Carbon	mg/Kg	Walkley Black	2000	250	1	09/29/05 11:00	250	U

Report By:C.Skillern

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client :	MWH LAB	**Service Request :**	DF758
Project Name :	HONEYWELL-N.HOLLYWOD	**Date Collected :**	09/14/05
Project Number :	LRD010000.XY	**Date Received :**	09/14/05
Sample Matrix :	SOIL		

Inorganic Parameters

Sample Name : TS-1-50
Lab Code : DF758-007 Basis : Dry
Test Notes :

Analyte	Units	Analysis Method	PQL	MDL	Dilution Factor	Date/Time Analyzed	Result	Result Notes
Sulfide, Total	mg/Kg	SW9034	200	90	1	09/22/05 12:00	90	U
Total Organic Carbon	mg/Kg	Walkley Black	2000	250	1	09/29/05 11:00	320	J

Report By:C.Skillern

3/28/06 104(e)
0331

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COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : MWH LAB
Project Name : HONEYWELL-N.HOLLYWOD
Project Number : LRD010000.XY
Sample Matrix : SOIL

Service Request : DF758
Date Collected : 09/14/05
Date Received : 09/14/05

Inorganic Parameters

Sample Name : TS-1-55
Lab Code : DF758-008
Test Notes :

Basis : Dry

Analyte	Units	Analysis Method	PQL	MDL	Dilution Factor	Date/Time Analyzed	Result	Result Notes
Sulfide, Total	mg/Kg	SW9034	200	90	1	09/22/05 12:00	90	U
Total Organic Carbon	mg/Kg	Walkley Black	2000	250	1	09/29/05 11:00	480	J

Report By:C.Skillem

3/28/06 104(e)
0332

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client :	MWH LAB	**Service Request :**	DF758
Project Name :	HONEYWELL-N.HOLLYWOD	**Date Collected :**	09/14/05
Project Number :	LRD010000.XY	**Date Received :**	09/14/05
Sample Matrix :	SOIL		

Inorganic Parameters

Sample Name : TS-1-60
Lab Code : DF758-009
Test Notes :

Basis : Dry

Analyte	Units	Analysis Method	PQL	MDL	Dilution Factor	Date/Time Analyzed	Result	Result Notes
Sulfide, Total	mg/Kg	SW9034	200	90	1	09/22/05 12:00	90	U
Total Organic Carbon	mg/Kg	Walkley Black	2000	250	1	09/29/05 11:00	320	J

Report By:C.Skillem

3/28/06 104(e)
0333

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : MWH LAB
Project Name : HONEYWELL-N.HOLLYWOD
Project Number : LRD010000.XY
Sample Matrix : SOIL

Service Request : DF758
Date Collected : 09/14/05
Date Received : 09/14/05

Inorganic Parameters

Sample Name : TS-2-20
Lab Code : DF758-010
Test Notes :

Basis : Dry

Analyte	Units	Analysis Method	PQL	MDL	Dilution Factor	Date/Time Analyzed	Result	Result Notes
Sulfide, Total	mg/Kg	SW9034	200	90	1	09/22/05 12:00	90	U
Total Organic Carbon	mg/Kg	Walkley Black	2000	250	1	09/29/05 11:00	639	J

Report By:C.Skillern

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client :	MWH LAB	**Service Request :**	DF758
Project Name :	HONEYWELL-N.HOLLYWOD	**Date Collected :**	09/14/05
Project Number :	LRD010000.XY	**Date Received :**	09/14/05
Sample Matrix :	SOIL		

Inorganic Parameters

Sample Name : TS-2-25
Lab Code : DF758-011 Basis : Dry
Test Notes :

Analyte	Units	Analysis Method	PQL	MDL	Dilution Factor	Date/Time Analyzed	Result	Result Notes
Sulfide, Total	mg/Kg	SW9034	200	90	1	09/22/05 12:00	90	U
Total Organic Carbon	mg/Kg	Walkley Black	2000	250	1	09/29/05 11:00	250	U

Report By:C.Skillem

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client :	MWH LAB	**Service Request :**	DF758
Project Name :	HONEYWELL-N.HOLLYWOD	**Date Collected :**	09/14/05
Project Number :	LRD010000.XY	**Date Received :**	09/14/05
Sample Matrix :	SOIL		

Inorganic Parameters

Sample Name : TS-2-30
Lab Code : DF758-012
Test Notes :

Basis : Dry

Analyte	Units	Analysis Method	PQL	MDL	Dilution Factor	Date/Time Analyzed	Result	Result Notes
Sulfide, Total	mg/Kg	SW9034	200	90	1	09/22/05 12:00	90	U
Total Organic Carbon	mg/Kg	Walkley Black	2000	250	1	09/29/05 11:00	639	J

Report By:C.Skillern

3/28/06 104(e)
0336

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : MWH LAB
Project Name : HONEYWELL-N.HOLLYWOD
Project Number : LRD010000.XY
Sample Matrix : SOIL

Service Request : DF758
Date Collected : 09/14/05
Date Received : 09/14/05

Inorganic Parameters

Sample Name : TS-2-35
Lab Code : DF758-013
Test Notes :

Basis : Dry

Analyte	Units	Analysis Method	PQL	MDL	Dilution Factor	Date/Time Analyzed	Result	Result Notes
Sulfide, Total	mg/Kg	SW9034	200	90	1	09/22/05 12:00	90	U
Total Organic Carbon	mg/Kg	Walkley Black	2000	250	1	09/29/05 11:00	250	U

Report By:C.Skillern

3/28/06 104(e)
0337

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : MWH LAB
Project Name : HONEYWELL-N.HOLLYWOD
Project Number : LRD010000.XY
Sample Matrix : SOIL

Service Request : DF758
Date Collected : 09/14/05
Date Received : 09/14/05

Inorganic Parameters

Sample Name : TS-2-40
Lab Code : DF758-014
Test Notes :

Basis : Dry

Analyte	Units	Analysis Method	PQL	MDL	Dilution Factor	Date/Time Analyzed	Result	Result Notes
Sulfide, Total	mg/Kg	SW9034	200	90	1	09/22/05 12:00	90	U
Total Organic Carbon	mg/Kg	Walkley Black	2000	250	1	09/29/05 11:00	250	U

Report By:C.Skillern

3/28/06 104(e)
0338

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : MWH LAB
Project Name : HONEYWELL-N.HOLLYWOD
Project Number : LRD010000.XY
Sample Matrix : SOIL

Service Request : DF758
Date Collected : 09/14/05
Date Received : 09/14/05

Inorganic Parameters

Sample Name : TS-2-45
Lab Code : DF758-015
Test Notes :

Basis : Dry

Analyte	Units	Analysis Method	PQL	MDL	Dilution Factor	Date/Time Analyzed	Result	Result Notes
Sulfide, Total	mg/Kg	SW9034	200	90	1	09/22/05 12:00	90	U
Total Organic Carbon	mg/Kg	Walkley Black	2000	250	1	09/29/05 11:00	250	U

Report By:C.Skillern

3/28/06 104(e)
0339

29

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : MWH LAB
Project Name : HONEYWELL-N.HOLLYWOD
Project Number : LRD010000.XY
Sample Matrix : SOIL

Service Request : DF758
Date Collected : 09/14/05
Date Received : 09/14/05

Inorganic Parameters

Sample Name : TS-3-20
Lab Code : DF758-016
Test Notes :

Basis : Dry

Analyte	Units	Analysis Method	PQL	MDL	Dilution Factor	Date/Time Analyzed	Result	Result Notes
Sulfide, Total	mg/Kg	SW9034	200	90	1	09/22/05 12:00	90	U
Total Organic Carbon	mg/Kg	Walkley Black	2000	250	1	09/29/05 11:00	320	J

Report By:C.Skillern

3/28/06 104(e)
0340

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : MWH LAB
Project Name : HONEYWELL-N.HOLLYWOD
Project Number : LRD010000.XY
Sample Matrix : SOIL

Service Request : DF758
Date Collected : 09/14/05
Date Received : 09/14/05

Inorganic Parameters

Sample Name : TS-3-25
Lab Code : DF758-017
Test Notes :

Basis : Dry

Analyte	Units	Analysis Method	PQL	MDL	Dilution Factor	Date/Time Analyzed	Result	Result Notes
Sulfide, Total	mg/Kg	SW9034	200	90	1	09/22/05 12:00	90	U
Total Organic Carbon	mg/Kg	Walkley Black	2000	250	1	09/29/05 11:00	250	U

Report By:C.Skillem

3/28/06 104(e)
0341

3

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : MWH LAB
Project Name : HONEYWELL-N.HOLLYWOD
Project Number : LRD010000.XY
Sample Matrix : SOIL

Service Request : DF758
Date Collected : 09/14/05
Date Received : 09/14/05

Inorganic Parameters

Sample Name : TS-3-30
Lab Code : DF758-018
Test Notes :

Basis : Dry

Analyte	Units	Analysis Method	PQL	MDL	Dilution Factor	Date/Time Analyzed	Result	Result Notes
Sulfide, Total	mg/Kg	SW9034	200	90	1	09/22/05 12:00	90	U
Total Organic Carbon	mg/Kg	Walkley Black	2000	250	1	09/29/05 11:00	250	U

Report By:C.Skillern

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : MWH LAB
Project Name : HONEYWELL-N.HOLLYWOD
Project Number : LRD010000.XY
Sample Matrix : SOIL

Service Request : DF758
Date Collected : 09/14/05
Date Received : 09/14/05

Inorganic Parameters

Sample Name : TS-3-35
Lab Code : DF758-019
Test Notes :

Basis : Dry

Analyte	Units	Analysis Method	PQL	MDL	Dilution Factor	Date/Time Analyzed	Result	Result Notes
Sulfide, Total	mg/Kg	SW9034	200	90	1	09/22/05 12:00	90	U
Total Organic Carbon	mg/Kg	Walkley Black	2000	250	1	09/29/05 11:00	320	J

Report By:C.Skillern

3/28/06 104(e)
0343

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : MWH LAB
Project Name : HONEYWELL-N.HOLLYWOD
Project Number : LRD010000.XY
Sample Matrix : SOIL

Service Request : DF758
Date Collected : 09/14/05
Date Received : 09/14/05

Inorganic Parameters

Sample Name : TS-3-40
Lab Code : DF758-020
Test Notes :

Basis : Dry

Analyte	Units	Analysis Method	PQL	MDL	Dilution Factor	Date/Time Analyzed	Result	Result Notes
Sulfide, Total	mg/Kg	SW9034	200	90	1	09/22/05 12:00	90	U
Total Organic Carbon	mg/Kg	Walkley Black	2000	250	1	09/29/05 11:00	320	J

Report By:C.Skillern

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client : MWH LAB
Project Name : HONEYWELL-N.HOLLYWOD
Project Number : LRD010000.XY
Sample Matrix : SOIL

Service Request : DF758
Date Collected : 09/14/05
Date Received : 09/14/05
Date Extracted : 09/20/05
Date Analyzed : 09/22-29/05

Matrix Spike Summary
Inorganic Parameters

Sample Name : TS-3-40
Lab Code : DF758-020DMS
Test Notes :

Basis : Dry

Analyte	Units	Analysis Method	PQL	Spike Level	Sample Result	Spiked Sample Result	Percent Recovery	CAS Percent Recovery Acceptance Limits	Result Notes
Sulfide, Total	mg/Kg	SW9034	200	900	0	870	97	70-130	
Total Organic Carbon	mg/Kg	Walkley Black	2000	5000	320	6230	91	86-100	

Report By:C.Skillern

3/28/06 104(e)
0345

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client : MWH LAB
Project Name : HONEYWELL-N.HOLLYWOD
Project Number : LRD010000.XY
Sample Matrix : SOIL

Service Request : DF758
Date Collected : 09/14/05
Date Received : 09/14/05
Date Extracted : 09/20/05
Date Analyzed : 09/22-29/05

Matrix Spike Summary
Inorganic Parameters

Sample Name : TS-3-40
Lab Code : DF758-020MS
Test Notes :

Basis : Dry

Analyte	Units	Analysis Method	PQL	Spike Level	Sample Result	Spiked Sample Result	Percent Recovery	CAS Percent Recovery Acceptance Limits	Result Notes
Sulfide, Total	mg/Kg	SW9034	200	900	0	900	90	70-130	
Total Organic Carbon	mg/Kg	Walkley Black	2000	5000	320	6550	96	86-100	

Report By:C.Skillern

3/28/06 104(e)
0346

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : MWH LAB
Project Name : HONEYWELL-N.HOLLYWOD
Project Number : LRD010000.XY
Sample Matrix : SOIL

Service Request : DF758
Date Collected : 09/14/05
Date Received : 09/14/05

Inorganic Parameters

Sample Name : TS-3-45
Lab Code : DF758-021
Test Notes :

Basis : Dry

Analyte	Units	Analysis Method	PQL	MDL	Dilution Factor	Date/Time Analyzed	Result	Result Notes
Sulfide, Total	mg/Kg	SW9034	200	90	1	09/23/05 11:30	90	U
Total Organic Carbon	mg/Kg	Walkley Black	2000	250	1	09/29/05 14:30	250	U

Report By:C.Skillern

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : MWH LAB
Project Name : HONEYWELL-N.HOLLYWOD
Project Number : LRD010000.XY
Sample Matrix : SOIL

Service Request : DF758
Date Collected : 09/14/05
Date Received : 09/14/05

Inorganic Parameters

Sample Name : TS-3-50
Lab Code : DF758-022
Test Notes :

Basis : Dry

Analyte	Units	Analysis Method	PQL	MDL	Dilution Factor	Date/Time Analyzed	Result	Result Notes
Sulfide, Total	mg/Kg	SW9034	200	90	1	09/23/05 11:30	90	U
Total Organic Carbon	mg/Kg	Walkley Black	2000	250	1	09/29/05 14:30	250	U

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : MWH LAB
Project Name : HONEYWELL-N.HOLLYWOD
Project Number : LRD010000.XY
Sample Matrix : SOIL

Service Request : DF758
Date Collected : 09/14/05
Date Received : 09/14/05

Inorganic Parameters

Sample Name : TS-4-20
Lab Code : DF758-023
Test Notes :

Basis : Dry

Analyte	Units	Analysis Method	PQL	MDL	Dilution Factor	Date/Time Analyzed	Result	Result Notes
Sulfide, Total	mg/Kg	SW9034	200	90	1	09/23/05 11:30	90	U
Total Organic Carbon	mg/Kg	Walkley Black	2000	250	1	09/29/05 14:30	963	J

Report By:C.Skillern

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client :	MWH LAB	**Service Request :**	DF758
Project Name :	HONEYWELL-N.HOLLYWOD	**Date Collected :**	09/14/05
Project Number :	LRD010000.XY	**Date Received :**	09/14/05
Sample Matrix :	SOIL		

Inorganic Parameters

Sample Name : TS-4-25
Lab Code : DF758-024
Test Notes :

Basis : Dry

Analyte	Units	Analysis Method	PQL	MDL	Dilution Factor	Date/Time Analyzed	Result	Result Notes
Sulfide, Total	mg/Kg	SW9034	200	90	1	09/23/05 11:30	90	U
Total Organic Carbon	mg/Kg	Walkley Black	2000	250	1	09/29/05 14:30	1280	J

Report By:C.Skillern

3/28/06 104(e)
0350

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : MWH LAB
Project Name : HONEYWELL-N.HOLLYWOD
Project Number : LRD010000.XY
Sample Matrix : SOIL

Service Request : DF758
Date Collected : 09/14/05
Date Received : 09/14/05

Inorganic Parameters

Sample Name : TS-4-30
Lab Code : DF758-025
Test Notes :

Basis : Dry

Analyte	Units	Analysis Method	PQL	MDL	Dilution Factor	Date/Time Analyzed	Result	Result Notes
Sulfide, Total	mg/Kg	SW9034	200	90	1	09/23/05 11:30	90	U
Total Organic Carbon	mg/Kg	Walkley Black	2000	250	1	09/29/05 14:30	642	J

Report By:C.Skillern

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : MWH LAB
Project Name : HONEYWELL-N.HOLLYWOD
Project Number : LRD010000.XY
Sample Matrix : SOIL

Service Request : DF758
Date Collected : 09/14/05
Date Received : 09/14/05

Inorganic Parameters

Sample Name : TS-4-35
Lab Code : DF758-026
Test Notes :

Basis : Dry

Analyte	Units	Analysis Method	PQL	MDL	Dilution Factor	Date/Time Analyzed	Result	Result Notes
Sulfide, Total	mg/Kg	SW9034	200	90	1	09/23/05 11:30	90	U
Total Organic Carbon	mg/Kg	Walkley Black	2000	250	1	09/29/05 14:30	1770	J

Report By:C.Skillem

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : MWH LAB
Project Name : HONEYWELL-N.HOLLYWOD
Project Number : LRD010000.XY
Sample Matrix : SOIL

Service Request : DF758
Date Collected : 09/14/05
Date Received : 09/14/05

Inorganic Parameters

Sample Name : TS-4-40
Lab Code : DF758-027
Test Notes :

Basis : Dry

Analyte	Units	Analysis Method	PQL	MDL	Dilution Factor	Date/Time Analyzed	Result	Result Notes
Sulfide, Total	mg/Kg	SW9034	200	90	1	09/23/05 11:30	90	U
Total Organic Carbon	mg/Kg	Walkley Black	2000	250	1	09/29/05 14:30	1440	J

Report By:C.Skillern

3/28/06 104(e)
0353

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client :	MWH LAB	**Service Request :**	DF758
Project Name :	HONEYWELL-N.HOLLYWOD	**Date Collected :**	09/14/05
Project Number :	LRD010000.XY	**Date Received :**	09/14/05
Sample Matrix :	SOIL		

Inorganic Parameters

Sample Name : TS-4-45
Lab Code : DF758-028
Test Notes :

Basis : Dry

Analyte	Units	Analysis Method	PQL	MDL	Dilution Factor	Date/Time Analyzed	Result	Result Notes
Sulfide, Total	mg/Kg	SW9034	200	90	1	09/23/05 11:30	90	U
Total Organic Carbon	mg/Kg	Walkley Black	2000	250	1	09/29/05 14:30	3530	

Report By:C.Skillern

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client :	MWH LAB	**Service Request :**	DF758
Project Name :	HONEYWELL-N.HOLLYWOD	**Date Collected :**	09/14/05
Project Number :	LRD010000.XY	**Date Received :**	09/14/05
Sample Matrix :	SOIL		

Inorganic Parameters

Sample Name : TS-4-50
Lab Code : DF758-029
Test Notes :

Basis : Dry

Analyte	Units	Analysis Method	PQL	MDL	Dilution Factor	Date/Time Analyzed	Result	Result Notes
Sulfide, Total	mg/Kg	SW9034	200	90	1	09/23/05 11:30	90	U
Total Organic Carbon	mg/Kg	Walkley Black	2000	250	1	09/29/05 14:30	321	J

Report By:C.Skillem

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0355

45

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : MWH LAB
Project Name : HONEYWELL-N.HOLLYWOD
Project Number : LRD010000.XY
Sample Matrix : SOIL

Service Request : DF758
Date Collected : 09/14/05
Date Received : 09/14/05

Inorganic Parameters

Sample Name : TS-4-55
Lab Code : DF758-030
Test Notes :

Basis : Dry

Analyte	Units	Analysis Method	PQL	MDL	Dilution Factor	Date/Time Analyzed	Result	Result Notes
Sulfide, Total	mg/Kg	SW9034	200	90	1	09/23/05 11:30	90	U
Total Organic Carbon	mg/Kg	Walkley Black	2000	250	1	09/29/05 14:30	2570	

Report By:C.Skillem

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client :	MWH LAB	Service Request :	DF758
Project Name :	HONEYWELL-N.HOLLYWOD	Date Collected :	09/14/05
Project Number :	LRD010000.XY	Date Received :	09/14/05
Sample Matrix :	SOIL	Date Extracted :	09/20/05
		Date Analyzed :	09/23-29/05

Matrix Spike Summary
Inorganic Parameters

Sample Name : TS-4-55
Lab Code : DF758-030DMS
Test Notes :

Basis : Dry

Analyte	Units	Analysis Method	PQL	Spike Level	Sample Result	Spiked Sample Result	Percent Recovery	CAS Percent Recovery Acceptance Limits	Result Notes
Sulfide, Total	mg/Kg	SW9034	200	900	0	990	100	70-130	
Total Organic Carbon	mg/Kg	Walkley Black	2000	5000	8190	8020	84	86-100	

Report By:C.Skillem

3/28/06 104(e)
0357

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client :	MWH LAB	**Service Request :**	DF758
Project Name :	HONEYWELL-N.HOLLYWOD	**Date Collected :**	09/14/05
Project Number :	LRD010000.XY	**Date Received :**	09/14/05
Sample Matrix :	SOIL	**Date Extracted :**	09/20/05
		Date Analyzed :	09/23-29/05

Matrix Spike Summary
Inorganic Parameters

Sample Name : TS-4-55
Lab Code : DF758-030MS
Test Notes :

Basis : Dry

Analyte	Units	Analysis Method	PQL	Spike Level	Sample Result	Spiked Sample Result	Percent Recovery	CAS Percent Recovery Acceptance Limits	Result Notes
Sulfide, Total	mg/Kg	SW9034	200	900	0	930	93	70-130	
Total Organic Carbon	mg/Kg	Walkley Black	2000	5000	2570	8190	86	86-100	

Report By:C.Skillern

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client :	MWH LAB	**Service Request :**	DF758
Project Name :	HONEYWELL-N.HOLLYWOD	**Date Collected :**	NA
Project Number :	LRD010000.XY	**Date Received :**	NA
Sample Matrix :	SOIL		

Inorganic Parameters

Sample Name : Method Blank
Lab Code : DF758-MB
Test Notes :

Basis : Dry

Analyte	Units	Analysis Method	PQL	MDL	Dilution Factor	Date/Time Analyzed	Result	Result Notes
Sulfide, Total	mg/Kg	SW9034	200	90	1	09/22/05 12:00	90	U
Sulfide, Total	mg/Kg	SW9034	200	90	1	09/23/05 11:30	90	U
Total Organic Carbon	mg/Kg	Walkley Black	2000	250	1	09/29/05 11:00	250	U
Total Organic Carbon	mg/Kg	Walkley Black	2000	250	1	09/29/05 14:30	250	U

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client :	MWH LAB	**Service Request :**	DF758
Project Name :	HONEYWELL-N.HOLLYWOD	**Date Collected :**	NA
Project Number :	LRD010000.XY	**Date Received :**	NA
Sample Matrix :	SOIL	**Date Extracted :**	09/20/05
		Date Analyzed :	09/22-29/05

Laboratory Control Sample Summary
Inorganic Parameters

Sample Name : Laboratory Control Sample
Lab Code : DF758-LCS
Test Notes :

Basis : Dry

Analyte	Units	Analysis Method	True Value	Result	Percent Recovery	CAS Percent Recovery Acceptance Limits	Result Notes
Sulfide, Total	mg/Kg	SW9034	900	1020	113	70-130	
Sulfide, Total	mg/Kg	SW9034	900	870	97	70-130	
Total Organic Carbon	mg/Kg	Walkley Black	10000	9220	92	86-100	
Total Organic Carbon	mg/Kg	Walkley Black	10000	9260	93	86-100	

Report By:C.Skillem

ATTACHMENT C
BORING LOGS

Depth Below Ground Surface (feet)	Remarks	PID (ppm)	Soil Samples (ID - Interval - Blows)	Graphic Log	Description
0	Hand augered to 5 ft bgs.				Asphalt 6 inches thick, no base
					POORLY GRADED SAND (SP), dark brown (10YR 3/3), moist, fine sand, trace medium to coarse grains, subangular to subrounded
					[Note: Material not sampled or observed to 20 feet bgs.]
5					
10					
15					
20			6, 12, 13		POORLY GRADED SAND (SP), dark brown (10YR 3/3), moist, medium dense, medium sand, trace fine and coarse grains, subangular to subrounded, trace silt
			7, 18, 22 TS-1-20		
25					

Log Continued on Next Page

Geologist:	Christine Nancarrow	Drilling Contractor:	BC² Environmental Corp.	Driller:	Jason Phillips
Project Mgr.:	Richard Thomasser, P.G.	Drilling Method:	Hollow-stem Auger	Depth to Water:	Not encountered
Reviewed By:	Michael Flaugher, P.G.	Drill Rig Type:	CME-85	Water Time/Date:	Not applicable
Date(s) Drilled:	9/14/05	Drill Bit Size/Type:	8-inch-diameter auger bit	Total Depth:	61.5 feet bgs
Borehole Backfill:	Bentonite slurry	Sampler Type:	California Modified split spoon (2-inch-ID)	Surface Elevation:	Not available

EXPLANATION

Sample Symbols

- Sampled Interval
- Location of Sample Sealed for Lab Analysis
- Location of Sample Held in Laboratory
- No Sample Recovery

- Water Level During Drilling
- Water Level After Drilling

Contacts

- Solid where certain
- Dashed where approximate

BORING LOG DETAILS FOR TS-1

Honeywell - North Hollywood
11620 Sherman Way, North Hollywood, California
Job No. 1890933

MWH

TS-1
Page 1 of 3

MW BORING 3REV4 HWELNOHO.GPJ 11/15/05

Depth Below Ground Surface (feet)	Remarks	PID (ppm)	Soil Samples (ID - Interval - Blows)	Graphic Log	Description
25			TS-1-25: 17, 19, 25		POORLY GRADED SAND (SP), dark brown (10YR 3/3), moist, medium dense, fine sand, subangular to subrounded, trace coarse gravel up to 1 inch
30			TS-1-30: 16, 22, 36		WELL-GRADED SAND (SW), olive brown (2.5Y 4/4), moist, dense, medium sand, subangular to subrounded, trace gravel
35			TS-1-35: 17, 19, 27		POORLY GRADED SAND (SP), olive brown (2.5Y 4/3), moist, dense, fine sand, trace coarse grains, subangular to subrounded
40			TS-1-40: 19, 22, 24		As above except olive brown (2.5Y 4/4)
45			TS-1-45: 19, 23, 26		POORLY GRADED SAND WITH SILT (SP-SM), dark brown (10YR 3/3), moist, dense, fine to medium sand, subangular to subrounded, trace gravel
50			TS-1-50: 20, 22, 26		WELL-GRADED SAND (SW), dark brown (10YR 3/3), moist, dense, fine to coarse sand, subangular to subrounded
55					

Log Continued on Next Page

EXPLANATION

Sample Symbols

- Sampled Interval
- Location of Sample Sealed for Lab Analysis
- Location of Sample Held in Laboratory
- No Sample Recovery

- Water Level During Drilling
- Water Level After Drilling

Contacts

- Solid where certain
- Dashed where approximate

BORING LOG DETAILS FOR TS-1

Honeywell - North Hollywood
11620 Sherman Way, North Hollywood, California
Job No. 1890933

MWH

MW BORING 3REV4 HWELNOHO.GPJ 11/15/05

Remarks	PID (ppm)	Soil Samples (ID - Interval - Blows)	Graphic Log	Description
		TS-1-55: 22, 24, 27		SILTY SAND (SM), olive brown (2.5Y 4/4), moist, dense, fine sand, subangular to subrounded [Rig chatter at 57 feet bgs.]
		TS-1-60: 21, 22, 27		POORLY GRADED SAND (SP), dark brown (10YR 3/3), moist, dense, fine to medium sand, subangular to subrounded, trace silt
				Bottom of boring at 61.5 feet bgs.

Depth Below Ground Surface (feet): 55, 60, 65, 70, 75, 80, 85

EXPLANATION

Sample Symbols

- Sampled Interval
- Location of Sample Sealed for Lab Analysis
- Location of Sample Held in Laboratory
- No Sample Recovery
- Water Level During Drilling
- Water Level After Drilling

Contacts

- Solid where certain
- Dashed where approximate

BORING LOG DETAILS FOR TS-1

Honeywell - North Hollywood
11620 Sherman Way, North Hollywood, California
Job No. 1890933

MWH

TS-1
Page 3 of 3

MW_BORING_3REV4_HWELNOHO.GPJ 11/15/05

Depth Below Ground Surface (feet)	Remarks	PID (ppm)	Soil Samples (ID - Interval - Blows)	Graphic Log	Description
0	Hand augered to 5 ft bgs.				Asphalt 6 inches thick, no base
					POORLY GRADED SAND WITH SILT (SP-SM), dark brown (10YR 3/3), moist, fine sand, subangular to subrounded
					[Note: Material not sampled or observed to 20 feet bgs.]
5					
10					
15					
20			TS-2-20 12 14 17		POORLY GRADED SAND (SP), very dark grayish brown (10YR 3/2), moist, medium dense, fine to medium sand, trace coarse grains, subangular to subrounded
25					

Log Continued on Next Page

Geologist:	Christine Nancarrow	Drilling Contractor:	BC² Environmental Corp.	Driller:	Jason Phillips
Project Mgr.:	Richard Thomasser, P.G.	Drilling Method:	Hollow-stem Auger	Depth to Water:	Not encountered
Reviewed By:	Michael Flaugher, P.G.	Drill Rig Type:	CME-85	Water Time/Date:	Not applicable
Date(s) Drilled:	9/14/05	Drill Bit Size/Type:	8-inch-diameter auger bit	Total Depth:	50.0 feet bgs
Borehole Backfill:	Bentonite slurry	Sampler Type:	California Modified split spoon (2-inch-ID)	Surface Elevation:	Not available

EXPLANATION

Sample Symbols

- Sampled Interval
- Location of Sample Sealed for Lab Analysis
- Location of Sample Held in Laboratory
- No Sample Recovery

- Water Level During Drilling
- Water Level After Drilling

Contacts

- Solid where certain
- Dashed where approximate

BORING LOG DETAILS FOR TS-2

Honeywell - North Hollywood
11620 Sherman Way, North Hollywood, California
Job No. 1890933

MWH

TS-2
Page 1 of 2

MW_BORING_3REV4 HWELNOHO.GPJ 11/15/05

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0365

Depth Below Ground Surface (feet)	Remarks	PID (ppm)	Soil Samples (ID - Interval - Blows)	Graphic Log	Description
25			TS-2-25: 14, 16, 19		POORLY GRADED SAND (SP), dark brown (10YR 3/3), moist, medium dense, fine to medium sand, trace coarse grains, subangular to subrounded
30			TS-2-30: 17, 18, 21		
35			TS-2-35: 16, 17, 19		As above except olive brown (2.5Y 4/4), trace gravel up to 1-1/2 inches
40			TS-2-40: 17, 17, 19		As above except no gravel
45			TS-2-45: 19, 20, 24		As above except dark brown (10YR 3/3)
					[Rig chatter below 48 feet bgs.]
50					Bottom of boring at 50.0 feet bgs (refusal).
55					

MW_BORING_3REV4 HWELNOHO.GPJ 11/15/05

EXPLANATION

Sample Symbols

- Sampled Interval
- Location of Sample Sealed for Lab Analysis
- Location of Sample Held in Laboratory
- No Sample Recovery

- Water Level During Drilling
- Water Level After Drilling

Contacts

- Solid where certain
- Dashed where approximate

BORING LOG DETAILS FOR TS-2

Honeywell - North Hollywood
11620 Sherman Way, North Hollywood, California
Job No. 1890933

MWH

TS-2
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0366

Depth Below Ground Surface (feet)	Remarks	PID (ppm)	Soil Samples (ID - Interval - Blows)	Graphic Log	Description
0	Hand augered to 5 ft bgs.				Asphalt 6 inches thick, no base
					POORLY GRADED SAND (SP), dark brown (10YR 3/3), moist, fine sand, subrounded
					[Note: Material not sampled or observed to 20 feet bgs.]
5					
10					
15					
20			TS-3-20 17 19 23		POORLY GRADED SAND (SP), dark brown (10YR 3/3), moist, medium dense, fine sand, trace coarse grains, subangular to subrounded
25					

Log Continued on Next Page

Geologist:	Christine Nancarrow	Drilling Contractor:	BC² Environmental Corp.	Driller:	Jason Phillips
Project Mgr.:	Richard Thomasser, P.G.	Drilling Method:	Hollow-stem Auger	Depth to Water:	Not encountered
Reviewed By:	Michael Flaugher, P.G.	Drill Rig Type:	CME-85	Water Time/Date:	Not applicable
Date(s) Drilled:	9/14/05	Drill Bit Size/Type:	8-inch-diameter auger bit	Total Depth:	51.5 feet bgs
Borehole Backfill:	Bentonite slurry	Sampler Type:	California Modified split spoon (2-inch-ID)	Surface Elevation:	Not available

EXPLANATION

Sample Symbols

- Sampled Interval
- Location of Sample Sealed for Lab Analysis
- Location of Sample Held in Laboratory
- No Sample Recovery

- Water Level During Drilling
- Water Level After Drilling

Contacts

- Solid where certain
- Dashed where approximate

BORING LOG DETAILS FOR TS-3

Honeywell - North Hollywood
11620 Sherman Way, North Hollywood, California
Job No. 1890933

MWH

TS-3
Page 1 of 2

MW_BORING_3REV4 HWELNOHO.GPJ 11/15/05

Depth Below Ground Surface (feet)	Remarks	PID (ppm)	Soil Samples (ID - Interval - Blows)	Graphic Log	Description
25			19 23 26 TS-3-25		POORLY GRADED SAND (SP), dark brown (10YR 3/3), moist, dense, fine sand, trace coarse grains, subangular to subrounded
30			19 22 27 TS-3-30		As above except fine to medium sand
35			23 26 28 TS-3-35		As above except very dark grayish brown (10YR 3/2), fine sand, trace medium and coarse grains
40			23 24 25 TS-3-40		WELL-GRADED SAND (SW), dark brown (10YR 3/3), moist, dense, fine to coarse sand, subangular to subrounded
45			24 26 27 TS-3-45		As above except slight decrease in medium sand
50			24 27 28 TS-3-50		POORLY GRADED SAND (SP), dark brown (10YR 3/3), moist, dense, fine sand, trace coarse grains, subangular to subrounded
55					Bottom of boring at 51.5 feet bgs.

MW_BORING_3REV4_HWELNOHO.GPJ 11/15/05

EXPLANATION

Sample Symbols

- Sampled Interval
- Location of Sample Sealed for Lab Analysis
- Location of Sample Held in Laboratory
- No Sample Recovery

- Water Level During Drilling
- Water Level After Drilling

Contacts

- Solid where certain
- Dashed where approximate

BORING LOG DETAILS FOR TS-3

Honeywell - North Hollywood
11620 Sherman Way, North Hollywood, California
Job No. 1890933

MWH

TS-3
Page 2 of 2

Depth Below Ground Surface (feet)	Remarks	PID (ppm)	Soil Samples (ID - Interval - Blows)	Graphic Log	Description
0	Hand augered to 5 ft bgs.				Asphalt 6 inches thick, no base
					POORLY GRADED SAND (SP), dark brown (10YR 3/3), moist, fine sand, trace medium and coarse grains, subangular to subrounded
					[Note: Material not sampled or observed to 20 feet bgs.]
5					
10					
15					
20			TS-4-20 9 12 14		POORLY GRADED SAND (SP), dark brown (10YR 3/3), moist, medium dense, fine sand, trace coarse grains, subangular to subrounded
25					

Log Continued on Next Page

Geologist:	Christine Nancarrow	Drilling Contractor:	BC² Environmental Corp.	Driller:	Jason Phillips
Project Mgr.:	Richard Thomasser, P.G.	Drilling Method:	Hollow-stem Auger	Depth to Water:	Not encountered
Reviewed By:	Michael Flaugher, P.G.	Drill Rig Type:	CME-85	Water Time/Date:	Not applicable
Date(s) Drilled:	9/14/05	Drill Bit Size/Type:	8-inch-diameter auger bit	Total Depth:	56.5 feet bgs
Borehole Backfill:	Bentonite slurry	Sampler Type:	California Modified split spoon (2-inch-ID)	Surface Elevation:	Not available

EXPLANATION

Sample Symbols

- Sampled Interval
- Location of Sample Sealed for Lab Analysis
- Location of Sample Held in Laboratory
- No Sample Recovery

- Water Level During Drilling
- Water Level After Drilling

Contacts

- Solid where certain
- Dashed where approximate

BORING LOG DETAILS FOR TS-4

Honeywell - North Hollywood
11620 Sherman Way, North Hollywood, California
Job No. 1890933

MWH

TS-4
Page 1 of 3

MW BORING 3REV4 HWELNOHO.GPJ 11/15/05

Depth Below Ground Surface (feet)	Remarks	PID (ppm)	Soil Samples (ID - Interval - Blows)	Graphic Log	Description
25			TS-4-25 12 14 17		POORLY GRADED SAND (SP), dark brown (10YR 3/3), moist, medium dense, fine sand, trace coarse grains, subangular to subrounded
30			TS-4-30 16 17 22		As above except olive brown (2.5Y 4/4), trace silt, no coarse sand
35			TS-4-35 17 19 24		As above except dark brown (10YR 3/3), few coarse grains, no silt
40			TS-4-40 16 22 27		As above except olive brown (2.5Y 4/4), dense, few medium grains, no coarse sand
45			TS-4-45 17 22 27		As above except dark brown (10YR 3/3), fine to medium sand, trace coarse grains
50			TS-4-50 18 19 24		WELL-GRADED SAND (SW), dark brown (10YR 3/3), moist, medium dense, fine to coarse sand, subangular to subrounded
55					

Log Continued on Next Page

EXPLANATION

Sample Symbols

- Sampled Interval
- Location of Sample Sealed for Lab Analysis
- Location of Sample Held in Laboratory
- No Sample Recovery

- Water Level During Drilling
- Water Level After Drilling

Contacts

- Solid where certain
- Dashed where approximate

BORING LOG DETAILS FOR TS-4

Honeywell - North Hollywood
11620 Sherman Way, North Hollywood, California
Job No. 1890933

MWH

MW BORING 3REV4 HYELNOHO.GPJ 11/15/05

Depth Below Ground Surface (feet)	Remarks	PID (ppm)	Soil Samples (ID - Interval - Blows)	Graphic Log	Description
55			TS-4-55 17 23 25		POORLY GRADED SAND (SP), olive brown (2.5Y 4/4), moist, dense, fine sand, few coarse grains, subangular to subrounded
					Bottom of boring at 56.5 feet bgs.
60					
65					
70					
75					
80					
85					

MW_BORING_3REV4_HWELNOHO.GPJ 11/15/05

EXPLANATION

Sample Symbols

- Sampled Interval
- Location of Sample Sealed for Lab Analysis
- Location of Sample Held in Laboratory
- No Sample Recovery

- Water Level During Drilling
- Water Level After Drilling

Contacts

- Solid where certain
- Dashed where approximate

BORING LOG DETAILS FOR TS-4

Honeywell - North Hollywood
11620 Sherman Way, North Hollywood, California
Job No. 1890933

MWH

TS-4
Page 3 of 3

ATTACHMENT D
ANALYTICAL RESULTS FROM SOIL REDUCTANT DEMAND TEST

Del Mar Analytical

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LABORATORY REPORT

Prepared For: MWH-Monrovia
327 W. Maple Avenue
Monrovia, CA 91016
Attention: Darren Giles

Project: Honeywell North Hollywood

Sampled: 10/11/05
Received: 10/11/05
Issued: 11/03/05 19:12

NELAP #01108CA California ELAP#1197 CSDLAC #10117

The results listed within this Laboratory Report pertain only to the samples tested in the laboratory. The analyses contained in this report were performed in accordance with the applicable certifications as noted. All soil samples are reported on a wet weight basis unless otherwise noted in the report. This Laboratory Report is confidential and is intended for the sole use of Del Mar Analytical and its client. This report shall not be reproduced, except in full, without written permission from Del Mar Analytical. The Chain of Custody, 1 page, is included and is an integral part of this report.

This entire report was reviewed and approved for release.

SAMPLE CROSS REFERENCE

LABORATORY ID	CLIENT ID	MATRIX
IOJ0725-01	MIXED SOIL	Soil
IOJ0725-02	GROUNDWATER-6	Water
IOJ0725-03	0 CaSx CONTROL	Liquid
IOJ0725-04	0.5% CaSx	Liquid
IOJ0725-05	5.0% CaSx	Liquid
IOJ0725-06	0 CaSx CONTROL	Soil
IOJ0725-07	0.5% CaSx	Soil
IOJ0725-08	5.0% CaSx	Soil

Reviewed By:

Michele Harper

Del Mar Analytical, Irvine
Michele Harper
Project Manager

Del Mar Analytical

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MWH-Monrovia
327 W. Maple Avenue
Monrovia, CA 91016
Attention: Darren Giles

Project ID: Honeywell North Hollywood

Report Number: IOJ0725

Sampled: 10/11/05
Received: 10/11/05

METALS

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IOJ0725-01 (MIXED SOIL - Soil)								
Reporting Units: mg/kg								
Ferric Iron	Calculation	5J12125	120	**7100**	1	10/12/2005	10/16/2005	
Sample ID: IOJ0725-02 (GROUNDWATER-6 - Water)								
Reporting Units: mg/l								
Ferric Iron	Calculation	5J14067	0.080	ND	1	10/14/2005	10/15/2005	
Sample ID: IOJ0725-02 (GROUNDWATER-6 - Water)								
Reporting Units: ug/l								
Arsenic	EPA 6020	5J14066	2.0	ND	2	10/14/2005	10/19/2005	RL-4
Manganese	EPA 6020	5J14066	2.0	**2.7**	2	10/14/2005	10/19/2005	
Sample ID: IOJ0725-03 (0 CaSx CONTROL - Liquid)								
Reporting Units: mg/l								
Ferric Iron	Calculation	5J14067	0.080	ND	1	10/14/2005	10/15/2005	
Sample ID: IOJ0725-03 (0 CaSx CONTROL - Liquid)								
Reporting Units: ug/l								
Arsenic	EPA 6020	5J14066	4.0	ND	4	10/14/2005	10/19/2005	RL-1, RL-4
Manganese	EPA 6020	5J14066	4.0	**44**	4	10/14/2005	10/19/2005	
Sample ID: IOJ0725-04 (0.5% CaSx - Liquid)								
Reporting Units: mg/l								
Ferric Iron	Calculation	5J14067	0.080	ND	1	10/14/2005	10/15/2005	
Sample ID: IOJ0725-04 (0.5% CaSx - Liquid)								
Reporting Units: ug/l								
Arsenic	EPA 6020	5J14066	2.0	ND	2	10/14/2005	10/19/2005	RL-4
Manganese	EPA 6020	5J14066	2.0	**3.4**	2	10/14/2005	10/19/2005	
Sample ID: IOJ0725-05 (5.0% CaSx - Liquid)								
Reporting Units: mg/l								
Ferric Iron	Calculation	5J14067	0.40	ND	5	10/14/2005	10/16/2005	
Sample ID: IOJ0725-05 (5.0% CaSx - Liquid)								
Reporting Units: ug/l								
Arsenic	EPA 6020	5J14066	20	ND	20	10/14/2005	10/19/2005	RL-1, RL-4
Manganese	EPA 6020	5J14066	20	**43**	20	10/14/2005	10/19/2005	

Del Mar Analytical, Irvine
Michele Harper
Project Manager

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MWH-Monrovia
327 W. Maple Avenue
Monrovia, CA 91016
Attention: Darren Giles

Project ID: Honeywell North Hollywood

Report Number: IOJ0725

Sampled: 10/11/05
Received: 10/11/05

METALS

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IOJ0725-06 (0 CaSx CONTROL - Soil)								
Reporting Units: mg/kg								
Arsenic	EPA 6020	5J13083	0.50	**0.71**	1	10/13/2005	10/13/2005	
Ferric Iron	Calculation	5J12125	120	**5100**	1	10/12/2005	10/16/2005	
Manganese	EPA 6020	5J13083	0.50	**74**	1	10/13/2005	10/13/2005	
Sample ID: IOJ0725-07 (0.5% CaSx - Soil)								
Reporting Units: mg/kg								
Arsenic	EPA 6020	5J13083	0.50	**0.58**	1	10/13/2005	10/13/2005	
Ferric Iron	Calculation	5J12125	120	**4900**	1	10/12/2005	10/16/2005	
Manganese	EPA 6020	5J13083	0.50	**78**	1	10/13/2005	10/13/2005	
Sample ID: IOJ0725-08 (5.0% CaSx - Soil)								
Reporting Units: mg/kg								
Arsenic	EPA 6020	5J13083	0.50	**0.88**	1	10/13/2005	10/13/2005	
Ferric Iron	Calculation	5J12125	120	**4300**	1	10/12/2005	10/17/2005	
Manganese	EPA 6020	5J13083	0.50	**72**	1	10/13/2005	10/13/2005	

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MWH-Monrovia
327 W. Maple Avenue
Monrovia, CA 91016
Attention: Darren Giles

Project ID: Honeywell North Hollywood

Report Number: IOJ0725

Sampled: 10/11/05
Received: 10/11/05

INORGANICS

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IOJ0725-01 (MIXED SOIL - Soil)								
Reporting Units: mg/kg								
Chromium VI	EPA 7199	5J18057	4.0	**83**	20	10/17/2005	10/18/2005	M-HA
Nitrate-NO3	EPA 300.0	5J13079	5.0	**9.5**	0.993	10/13/2005	10/13/2005	
Sample ID: IOJ0725-02 (GROUNDWATER-6 - Water)								
Reporting Units: mg/l								
Chromium VI	EPA 7199	5J12081	0.0020	ND	1	10/12/2005	10/12/2005	
Nitrate-NO3	EPA 300.0	5J12059	1.0	**47**	2	10/12/2005	10/12/2005	
Sulfate	EPA 300.0	5J12059	1.0	**73**	2	10/12/2005	10/12/2005	
Sulfide	EPA 376.2	5J14079	0.10	ND	1	10/14/2005	10/14/2005	
Sample ID: IOJ0725-03 (0 CaSx CONTROL - Liquid)								
Reporting Units: mg/l								
Chromium VI	EPA 7199	5J12081	2.0	**51**	1000	10/12/2005	10/12/2005	
Nitrate-NO3	EPA 300.0	5J12059	1.0	**51**	2	10/12/2005	10/12/2005	
Sulfate	EPA 300.0	5J12059	2.5	**130**	5	10/12/2005	10/12/2005	
Sulfide	EPA 376.2	5J14079	0.10	ND	1	10/14/2005	10/14/2005	
Sample ID: IOJ0725-04 (0.5% CaSx - Liquid)								
Reporting Units: mg/l								
Chromium VI	EPA 7199	5J12081	0.20	ND	100	10/12/2005	10/12/2005	RL-1
Nitrate-NO3	EPA 300.0	5J12059	10	**47**	20	10/12/2005	10/12/2005	
Sulfate	EPA 300.0	5J12059	10	**130**	20	10/12/2005	10/12/2005	
Sulfide	EPA 376.2	5J14079	50	**110**	500	10/14/2005	10/14/2005	
Sample ID: IOJ0725-05 (5.0% CaSx - Liquid)								
Reporting Units: mg/l								
Chromium VI	EPA 7199	5J12081	2.0	ND	1000	10/12/2005	10/12/2005	RL-1
Nitrate-NO3	EPA 300.0	5J12059	100	ND	200	10/12/2005	10/12/2005	
Sulfate	EPA 300.0	5J12059	250	**370**	500	10/12/2005	10/12/2005	
Sulfide	EPA 376.2	5J14079	100	**720**	1000	10/14/2005	10/14/2005	
Sample ID: IOJ0725-06 (0 CaSx CONTROL - Soil)								
Reporting Units: mg/kg								
Soluble Sulfide	EPA 376.2 Mod	5J14080	1.0	ND	1	10/14/2005	10/14/2005	M2
Chromium VI	EPA 7199	5J18057	2.0	**12**	10	10/17/2005	10/18/2005	
Nitrate-NO3	EPA 300.0	5J13079	5.0	**11**	1	10/13/2005	10/13/2005	
Sulfate	EPA 300.0	5J13079	5.0	**33**	1	10/13/2005	10/13/2005	

Del Mar Analytical, Irvine
Michele Harper
Project Manager

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MWH-Monrovia
327 W. Maple Avenue
Monrovia, CA 91016
Attention: Darren Giles

Project ID: Honeywell North Hollywood

Report Number: IOJ0725

Sampled: 10/11/05
Received: 10/11/05

INORGANICS

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IOJ0725-07 (0.5% CaSx - Soil)								
Reporting Units: mg/kg								
Soluble Sulfide	EPA 376.2 Mod	5J14080	1.0	ND	1	10/14/2005	10/14/2005	
Chromium VI	EPA 7199	5J18057	0.20	ND	1	10/17/2005	10/18/2005	
Nitrate-NO3	EPA 300.0	5J13079	5.0	**7.8**	0.998	10/13/2005	10/13/2005	
Sulfate	EPA 300.0	5J13079	5.0	**37**	0.998	10/13/2005	10/13/2005	
Sample ID: IOJ0725-08 (5.0% CaSx - Soil)								
Reporting Units: mg/kg								
Soluble Sulfide	EPA 376.2 Mod	5J14080	50	**71**	50	10/14/2005	10/14/2005	
Chromium VI	EPA 7199	5J18057	0.20	ND	1	10/17/2005	10/18/2005	
Nitrate-NO3	EPA 300.0	5J18066	0.50	**11**	0.998	10/18/2005	10/18/2005	
Sulfate	EPA 300.0	5J18066	0.50	**47**	0.998	10/18/2005	10/18/2005	

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MWH-Monrovia
327 W. Maple Avenue
Monrovia, CA 91016
Attention: Darren Giles

Project ID: Honeywell North Hollywood

Report Number: IOJ0725

Sampled: 10/11/05
Received: 10/11/05

SHORT HOLD TIME DETAIL REPORT

	Hold Time (in days)	Date/Time Sampled	Date/Time Received	Date/Time Extracted	Date/Time Analyzed
Sample ID: GROUNDWATER-6 (IOJ0725-02) - Water					
EPA 300.0	2	10/11/2005 16:15	10/11/2005 18:30	10/12/2005 16:00	10/12/2005 19:06
EPA 7199	1	10/11/2005 16:15	10/11/2005 18:30	10/12/2005 12:00	10/12/2005 12:22
Sample ID: 0 CaSx CONTROL (IOJ0725-03) - Liquid					
EPA 300.0	2	10/11/2005 16:15	10/11/2005 18:30	10/12/2005 16:00	10/12/2005 16:00
EPA 7199	1	10/11/2005 16:15	10/11/2005 18:30	10/12/2005 12:00	10/12/2005 13:06
Sample ID: 0.5% CaSx (IOJ0725-04) - Liquid					
EPA 300.0	2	10/11/2005 16:15	10/11/2005 18:30	10/12/2005 16:00	10/12/2005 19:37
EPA 7199	1	10/11/2005 16:15	10/11/2005 18:30	10/12/2005 12:00	10/12/2005 13:29
Sample ID: 5.0% CaSx (IOJ0725-05) - Liquid					
EPA 300.0	2	10/11/2005 16:15	10/11/2005 18:30	10/12/2005 16:00	10/12/2005 20:07
EPA 7199	1	10/11/2005 16:15	10/11/2005 18:30	10/12/2005 12:00	10/12/2005 13:41

Del Mar Analytical, Irvine
Michele Harper
Project Manager

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MWH-Monrovia
327 W. Maple Avenue
Monrovia, CA 91016
Attention: Darren Giles

Project ID: Honeywell North Hollywood

Report Number: IOJ0725

Sampled: 10/11/05
Received: 10/11/05

METHOD BLANK/QC DATA

METALS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 5J12125 Extracted: 10/12/05										
Blank Analyzed: 10/16/2005 (5J12125-BLK1)										
Ferric Iron	ND	120	mg/kg							
Batch: 5J13083 Extracted: 10/13/05										
Blank Analyzed: 10/13/2005 (5J13083-BLK1)										
Arsenic	ND	0.50	mg/kg							
Manganese	ND	0.50	mg/kg							
LCS Analyzed: 10/13/2005 (5J13083-BS1)										
Arsenic	45.5	0.50	mg/kg	50.0		91	80-120			
Manganese	47.3	0.50	mg/kg	50.0		95	80-120			
Matrix Spike Analyzed: 10/13/2005 (5J13083-MS1)					**Source: IOJ0725-06**					
Arsenic	42.1	0.50	mg/kg	50.0	0.71	83	75-125			
Manganese	122	0.50	mg/kg	50.0	74	96	75-125			
Matrix Spike Dup Analyzed: 10/13/2005 (5J13083-MSD1)					**Source: IOJ0725-06**					
Arsenic	45.4	0.50	mg/kg	50.0	0.71	89	75-125	8	20	
Manganese	123	0.50	mg/kg	50.0	74	98	75-125	1	20	
Batch: 5J14066 Extracted: 10/14/05										
Blank Analyzed: 10/18/2005 (5J14066-BLK1)										
Arsenic	ND	1.0	ug/l							
Manganese	ND	1.0	ug/l							

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Michele Harper
Project Manager

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2520 E. Sunset Rd. #3, Las Vegas, NV 89120 (702) 798-3620 FAX (702) 798-3621

MWH-Monrovia
327 W. Maple Avenue
Monrovia, CA 91016
Attention: Darren Giles

Project ID: Honeywell North Hollywood

Report Number: 10J0725

Sampled: 10/11/05
Received: 10/11/05

METHOD BLANK/QC DATA

METALS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 5J14066 Extracted: 10/14/05										
LCS Analyzed: 10/18/2005 (5J14066-BS1)										**M-NR1**
Arsenic	81.0	1.0	ug/l	80.0		101	80-120			
Manganese	82.3	1.0	ug/l	80.0		103	80-120			
LCS Dup Analyzed: 10/19/2005 (5J14066-BSD1)										
Arsenic	81.2	1.0	ug/l	80.0		102	80-120	0	20	
Manganese	80.5	1.0	ug/l	80.0		101	80-120	2	20	
Batch: 5J14067 Extracted: 10/14/05										
Blank Analyzed: 10/15/2005 (5J14067-BLK1)										
Ferric Iron	ND	0.040	mg/l							

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327 W. Maple Avenue
Monrovia, CA 91016
Attention: Darren Giles

Project ID: Honeywell North Hollywood

Report Number: IOJ0725

Sampled: 10/11/05
Received: 10/11/05

METHOD BLANK/QC DATA

INORGANICS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 5J12059 Extracted: 10/12/05										
Blank Analyzed: 10/12/2005 (5J12059-BLK1)										
Nitrate-NO3	ND	0.50	mg/l							
Sulfate	ND	0.50	mg/l							
LCS Analyzed: 10/12/2005 (5J12059-BS1)										
Nitrate-NO3	5.18	0.50	mg/l	5.00		104	90-110			
Sulfate	10.3	0.50	mg/l	10.0		103	90-110			
Matrix Spike Analyzed: 10/12/2005 (5J12059-MS1)					**Source: IOJ0724-01**					
Nitrate-NO3	80.7	5.0	mg/l	50.0	33	95	80-120			
Sulfate	584	5.0	mg/l	100	500	84	80-120			*M-HA*
Matrix Spike Dup Analyzed: 10/12/2005 (5J12059-MSD1)					**Source: IOJ0724-01**					
Nitrate-NO3	81.4	5.0	mg/l	50.0	33	97	80-120	1	20	
Sulfate	571	5.0	mg/l	100	500	71	80-120	2	20	*M-HA*
Batch: 5J12081 Extracted: 10/12/05										
Blank Analyzed: 10/12/2005 (5J12081-BLK1)										
Chromium VI	ND	0.0020	mg/l							
LCS Analyzed: 10/12/2005 (5J12081-BS1)										
Chromium VI	0.0537	0.0020	mg/l	0.0500		107	90-110			
Matrix Spike Analyzed: 10/12/2005 (5J12081-MS1)					**Source: IOJ0725-02**					
Chromium VI	0.0542	0.0020	mg/l	0.0500	0.00043	108	80-115			
Matrix Spike Dup Analyzed: 10/12/2005 (5J12081-MSD1)					**Source: IOJ0725-02**					
Chromium VI	0.0527	0.0020	mg/l	0.0500	0.00043	105	80-115	3	15	

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MWH-Monrovia
327 W. Maple Avenue
Monrovia, CA 91016
Attention: Darren Giles

Project ID: Honeywell North Hollywood

Report Number: IOJ0725

Sampled: 10/11/05
Received: 10/11/05

METHOD BLANK/QC DATA

INORGANICS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 5J13079 Extracted: 10/13/05										
Blank Analyzed: 10/13/2005 (5J13079-BLK1)										
Nitrate-NO3	ND	5.0	mg/kg							
Sulfate	ND	5.0	mg/kg							
LCS Analyzed: 10/13/2005 (5J13079-BS1)										
Nitrate-NO3	52.5	5.0	mg/kg	50.0		105	90-110			
Sulfate	105	5.0	mg/kg	100		105	90-110			
Matrix Spike Analyzed: 10/13/2005 (5J13079-MS1)					**Source: IOJ0813-01**					
Nitrate-NO3	62.8	5.0	mg/kg	50.0	7.9	110	80-120			
Sulfate	108	5.0	mg/kg	100	4.8	103	80-120			
Matrix Spike Dup Analyzed: 10/13/2005 (5J13079-MSD1)					**Source: IOJ0813-01**					
Nitrate-NO3	61.3	5.0	mg/kg	49.8	7.9	107	80-120	2	20	
Sulfate	111	5.0	mg/kg	99.5	4.8	107	80-120	3	20	
Batch: 5J14079 Extracted: 10/14/05										
Blank Analyzed: 10/14/2005 (5J14079-BLK1)										
Sulfide	ND	0.10	mg/l							
LCS Analyzed: 10/14/2005 (5J14079-BS1)										
Sulfide	0.596	0.10	mg/l	0.620		96	80-120			
Matrix Spike Analyzed: 10/14/2005 (5J14079-MS1)					**Source: IOJ0847-01**					
Sulfide	0.507	0.10	mg/l	0.620	0.025	78	70-130			
Matrix Spike Dup Analyzed: 10/14/2005 (5J14079-MSD1)					**Source: IOJ0847-01**					
Sulfide	0.558	0.10	mg/l	0.620	0.025	86	70-130	10	30	

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MWH-Monrovia
327 W. Maple Avenue
Monrovia, CA 91016
Attention: Darren Giles

Project ID: Honeywell North Hollywood

Report Number: 1OJ0725

Sampled: 10/11/05
Received: 10/11/05

METHOD BLANK/QC DATA

INORGANICS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 5J14080 Extracted: 10/14/05										
Blank Analyzed: 10/14/2005 (5J14080-BLK1)										
Soluble Sulfide	ND	1.0	mg/kg							
LCS Analyzed: 10/14/2005 (5J14080-BS1)										
Soluble Sulfide	5.96	1.0	mg/kg	6.20		96	80-120			
Matrix Spike Analyzed: 10/14/2005 (5J14080-MS1)					**Source: 1OJ0725-06**					
Soluble Sulfide	4.48	1.0	mg/kg	6.20	0.45	65	70-130			*M2*
Matrix Spike Dup Analyzed: 10/14/2005 (5J14080-MSD1)					**Source: 1OJ0725-06**					
Soluble Sulfide	4.40	1.0	mg/kg	6.20	0.45	64	70-130	2	30	*M2*
Batch: 5J18057 Extracted: 10/17/05										
Blank Analyzed: 10/18/2005 (5J18057-BLK1)										
Chromium VI	ND	0.20	mg/kg							
LCS Analyzed: 10/18/2005 (5J18057-BS1)										
Chromium VI	4.37	0.20	mg/kg	5.00		87	65-110			
Matrix Spike Analyzed: 10/18/2005 (5J18057-MS1)					**Source: 1OJ0725-01**					
Chromium VI	55.6	4.0	mg/kg	5.00	83	-548	55-110			*M-HA*
Matrix Spike Dup Analyzed: 10/18/2005 (5J18057-MSD1)					**Source: 1OJ0725-01**					
Chromium VI	40.1	4.0	mg/kg	5.00	83	-858	55-110	32	20	*M-HA, R-3*
Batch: 5J18066 Extracted: 10/18/05										
Blank Analyzed: 10/18/2005 (5J18066-BLK1)										
Nitrate-NO3	ND	0.50	mg/kg							
Sulfate	ND	0.50	mg/kg							

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MWH-Monrovia
327 W. Maple Avenue
Monrovia, CA 91016
Attention: Darren Giles

Project ID: Honeywell North Hollywood

Report Number: IOJ0725

Sampled: 10/11/05
Received: 10/11/05

METHOD BLANK/QC DATA

INORGANICS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 5J18066 Extracted: 10/18/05										
LCS Analyzed: 10/18/2005 (5J18066-BS1)										
Nitrate-NO3	54.2	0.50	mg/kg	50.0		108	90-110			
Sulfate	108	0.50	mg/kg	100		108	90-110			
Matrix Spike Analyzed: 10/18/2005 (5J18066-MS1)					**Source: IOJ1039-01**					
Nitrate-NO3	54.1	0.50	mg/kg	50.0	2.8	103	80-120			
Sulfate	136	0.50	mg/kg	100	33	103	80-120			
Matrix Spike Dup Analyzed: 10/18/2005 (5J18066-MSD1)					**Source: IOJ1039-01**					
Nitrate-NO3	55.2	0.50	mg/kg	49.8	2.8	105	80-120	2	20	
Sulfate	137	0.50	mg/kg	99.5	33	105	80-120	1	20	

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Sampled: 10/11/05
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DATA QUALIFIERS AND DEFINITIONS

M2	The MS and/or MSD were below the acceptance limits due to sample matrix interference. See Blank Spike (LCS).
M-HA	Due to high levels of analyte in the sample, the MS/MSD calculation does not provide useful spike recovery information. See Blank Spike (LCS).
M-NR1	There was no MS/MSD analyzed with this batch due to insufficient sample volume. See Blank Spike/Blank Spike Duplicate.
R-3	The RPD exceeded the method control limit due to sample matrix effects.
RL-1	Reporting limit raised due to sample matrix effects.
RL-4	Reporting limit raised due to insufficient sample volume.
ND	Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified.
RPD	Relative Percent Difference

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Certification Summary

Del Mar Analytical, Irvine

Method	Matrix	Nelac	California
Calculation	Soil	X	X
Calculation	Water	X	X
EPA 300.0	Soil	X	X
EPA 300.0	Water	X	X
EPA 376.2 Mod	Soil	N/A	N/A
EPA 376.2	Water	X	X
EPA 6010B-Diss	Soil	N/A	N/A
EPA 6010B-Diss	Water	X	X
EPA 6010B	Soil	X	X
EPA 6010B	Water	X	X
EPA 6020	Soil	X	X
EPA 6020	Water	X	X
EPA 7199	Soil	X	X
EPA 7199	Water	X	X
Preservation	Water	N/A	N/A

Nevada and NELAP provide analyte specific accreditations. Analyte specific information for Del Mar Analytical may be obtained by contacting the laboratory or visiting our website at www.dmalabs.com.

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Michele Harper
Project Manager

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Del Mar Analytical

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CHAIN OF CUSTODY FORM

IOJ0725

Page 1 of 1

Client Name/Address:
MWH ARD
327 W. MAPLE AVE
MONROVIA CA 91016

Project/PO Number:
HONEYWELL
(N. HOLLYWOOD)

Project Manager:
DARREN GILES

Phone Number:
(626) 303-5845

Sampler:

Fax Number:
(626) 359-3593

Analysis Required

Sample Description	Sample Matrix	Container Type	# of Cont.	Sampling Date	Sampling Time	Preservatives	HEXAVALENT CR Cr VI	FERROUS IRON	MANGANESE	ARSENIC	NITRATE	SULFATE	SULFIDE			Special Instructions
MIXED SOIL	SOIL	8oz JAR	1	10/11	4:15	—	X	X			X					
GROUNDWATER - 0	WTR	500 POLY	1	10/11	4:15	—	X	X	X	X	X	X	X			
0 CaSx CONTROL	WTR	500 POLY	1	10/11	4:15	—	X	X	X	X	X	X	X			
0.5% CaSx	WTR	500 POLY	1	10/11	4:15	—	X	X	X	X	X	X	X			
5.0% CaSx	WTR	500 POLY	1	10/11	4:15	—	X	X	X	X	X	X	X			
0 CaSx CONTROL	JAR	SOIL	1	10/11	4:15	—	X	X	X	X	X	X	X			
0.5% CaSx	SOIL	JAR	1	10/11	4:15	—	X	X	X	X	X	X	X			
5.0% CaSx	SOIL	JAR	1	10/11	4:15	—	X	X	X	X	X	X	X			

(HIGH SULFIDE CONC.)

Relinquished By:	Date/Time:	Received By:	Date/Time:	Turnaround Time: (Check)
[signature]	10/11/05 5:00	[signature] OMAI	10/11/05 1700	same day ____ 72 hours ____
Relinquished By: [signature] OMAI	Date/Time: 10/11/05 1830	Received By: [signature]	Date/Time: 10/11/05 1830	24 hours ____ 5 days ____
				48 hours ____ normal X
Relinquished By:	Date/Time:	Received in Lab By:	Date/Time:	Sample Integrity: (Check) intact ✓ on ice 5°C

Note: By relinquishing samples to Del Mar Analytical, client agrees to pay for the services requested on this chain of custody form and any additional analyses performed on this project. Payment for services is due within 30 days from the date of invoice. Sample(s) will be disposed of after 30 days.

3/28/06 104(e)
0387

ATTACHMENT E
PHOTOGRAPHIC LOG

APPENDIX E
SETTLEABILITY PHOTOGRAPHIC LOG
TREATIBLITY STUDY
Honeywell North Hollywood Site
11600 Sherman Way, North Hollywood, California

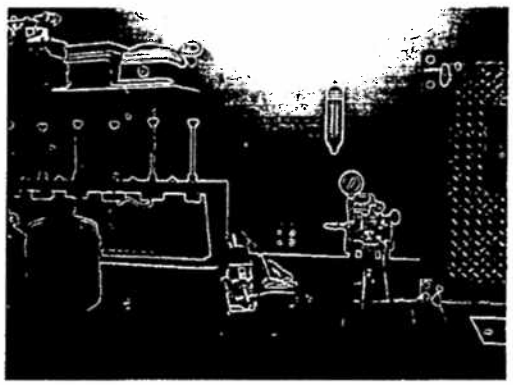

Photo 1

A view of the ARD Lab

Taken at 9:58 am

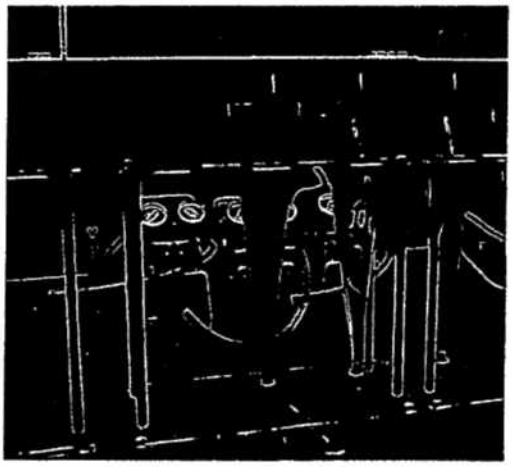

Photo 2

Taken at 10:01:30

0.5% CaSx added to Cone 1.

Initial reaction- cloudy yellow.

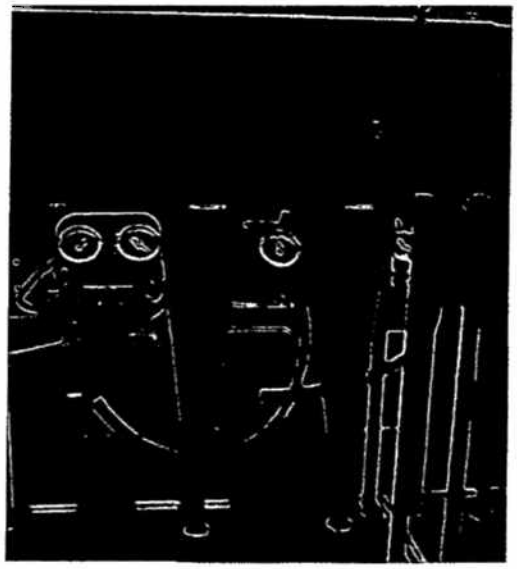

Photo 3

Taken at 10:01:44

1.0% CaSx being added to Cone 2.

Initial reaction- clear yellow.

APPENDIX E
SETTLEABILITY PHOTOGRAPHIC LOG
TREATIBLITY STUDY
Honeywell North Hollywood Site
11600 Sherman Way, North Hollywood, California

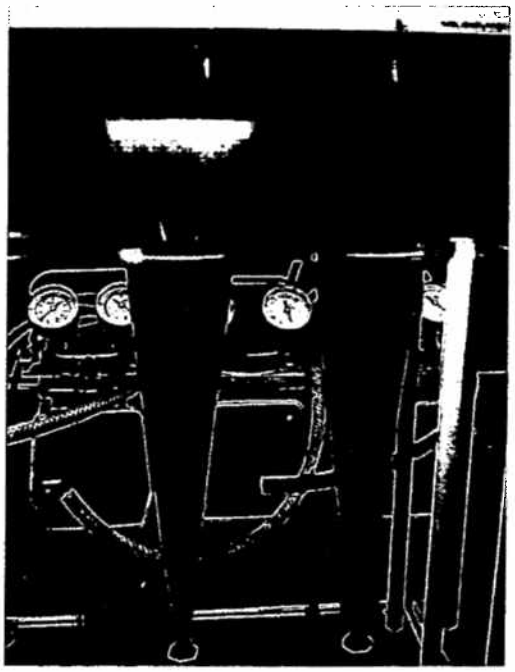

Photo 4

Taken at 10:02

1.0% CaSx completed added to Cone 2.

Photo 5

Taken at 10:02:42

The reactions of 0.5% and 1.0% CaSx at 45 seconds.

After 1 minute quick flocculation in 1.0% CaSx.

APPENDIX E
SETTLEABILITY PHOTOGRAPHIC LOG
TREATIBLITY STUDY
Honeywell North Hollywood Site
11600 Sherman Way, North Hollywood, California

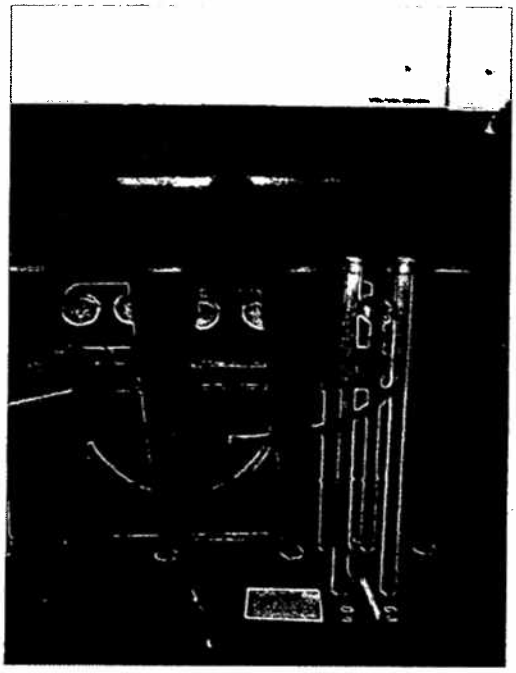

Photo 6

Taken at 10:03:28

2.0% CaSx added to Cone 3.

Initial reaction- cloudy yellow-orange in color.

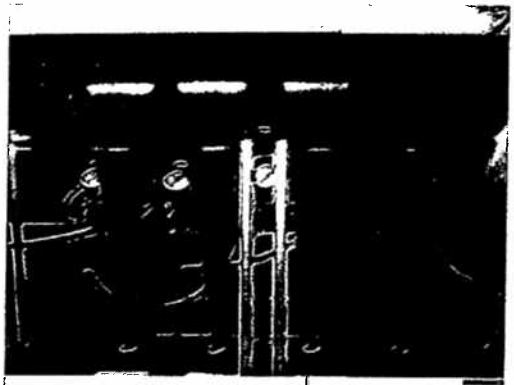

Photo 7

Taken at 10:04:18

5.0% CaSx added to Cone 4.

Initial reaction- cloudy orange in color.

Photo 8

Taken at 10:06:14

Reactions of 0.5%, 1.0%, 2.0%, and 5.0% CaSx.

APPENDIX E
SETTLEABILITY PHOTOGRAPHIC LOG
TREATIBLITY STUDY
Honeywell North Hollywood Site
11600 Sherman Way, North Hollywood, California

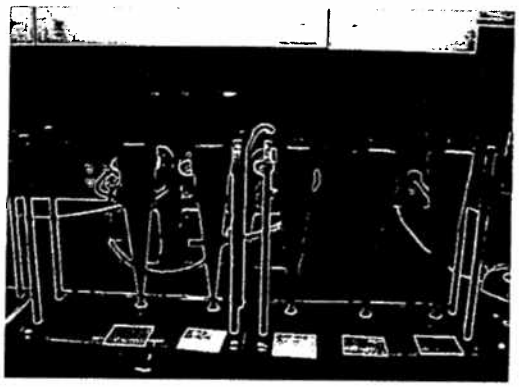

Photo 9

Taken at 10:08

A view of all 5 cones after adding 10.0% CaSx to Cone 5.

Initial reaction- cloudy orange in color.

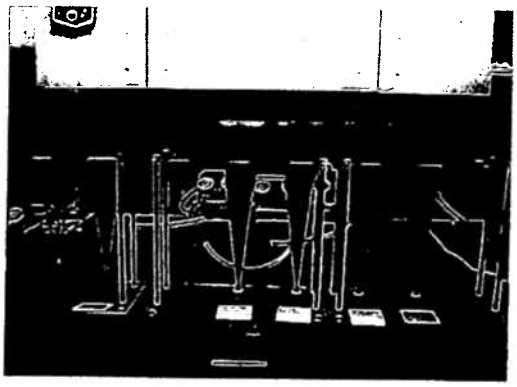

Photo 10

Taken at 10:13

Lab personnel noticed that Cone 5 containing 10% CaSx, as shown in Photo 9, had a leak; a new 10% cone started on the left.

Dose %	0.5	1.0	2.5	5.0	10.0
Initial ORP	-440	-458	-475	-494	-520

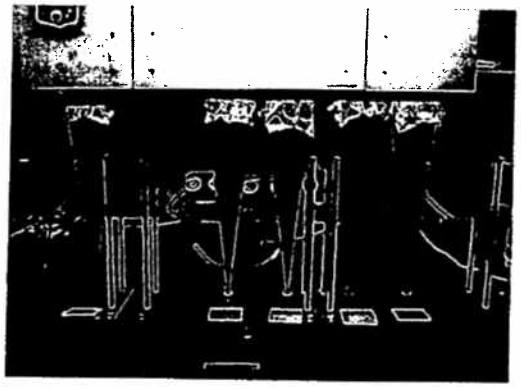

Photo 11

Taken at 10:22:46

22 minutes into the test.

The reactions of all five treatments of CaSx.

APPENDIX E
SETTLEABILITY PHOTOGRAPHIC LOG
TREATIBLITY STUDY
Honeywell North Hollywood Site
11600 Sherman Way, North Hollywood, California

Photo 12

30 minutes into the test.

Taken at 10:30:04

Visible precip settling in 0.5 % CaSx.

Photo 13

30 minutes into the test.

Taken at 10:32:20

Reactions of 0.5, 1.0, 2.0 and 5.0% CaSx.

APPENDIX E
SETTLEABILITY PHOTOGRAPHIC LOG
TREATIBLITY STUDY
Honeywell North Hollywood Site
11600 Sherman Way, North Hollywood, California

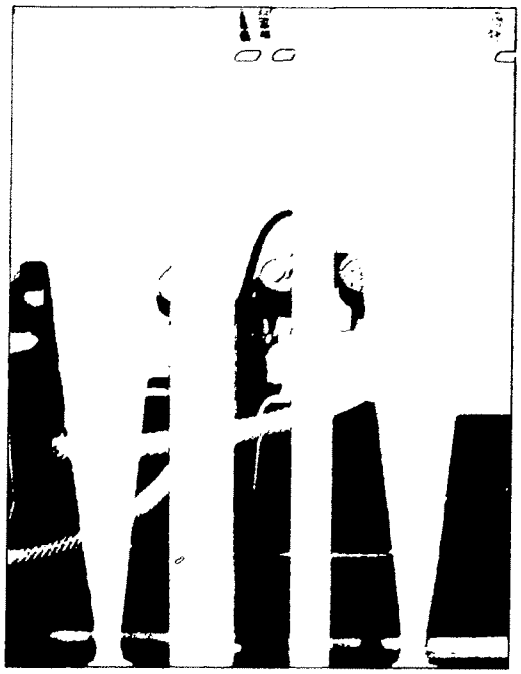

Photo 14

Taken at 10:32:30

Although blurry, visible precip settling on the sides of the cones in 1.0 and 2.0% CaSx at approximately 30 minutes into the test.

Photo 15

40 minutes into the test.

Taken at 10:42:18

Reactions of .5, 1.0, 2.0 and 5.0% CaSx.

APPENDIX E
SETTLEABILITY PHOTOGRAPHIC LOG
TREATIBLITY STUDY
Honeywell North Hollywood Site
11600 Sherman Way, North Hollywood, California

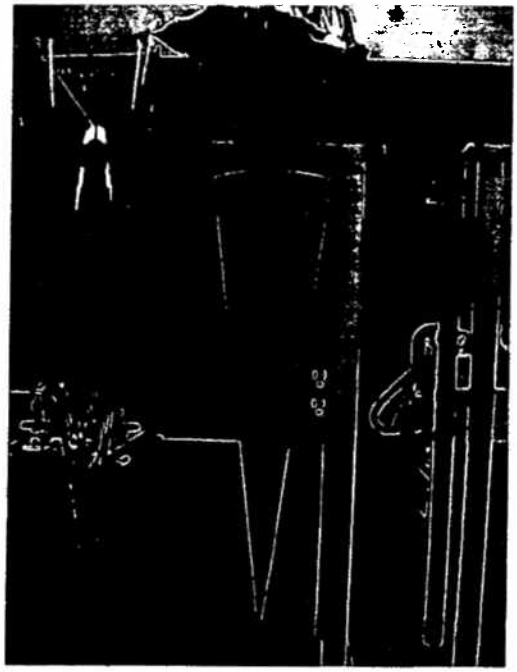

Photo 16

40 minutes into the test.

Taken at 10:42:20

10.0% CaSx cone. Note the layering.

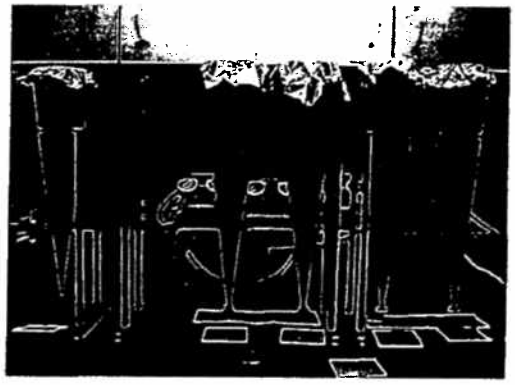

Photo 17

50 minutes into the test

Taken at 10:52:18

Reactions of cones as shown of 10.0, 0.5, 1.0, 2.0, and 5.0% CaSx. Visible layering in 10.0% CaSx.

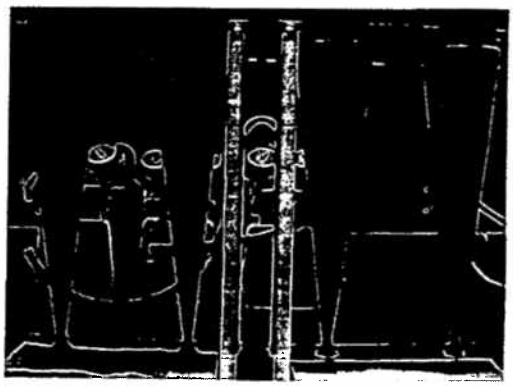

Photo 18

1 hr 10 minutes into the test

Taken at 11:12:08

Reactions of 0.5, 1.0, 2.0, and 5.0% CaSx. Note the precip level change in 5.0% CaSx from 40, 50 to 70 minutes into the test

APPENDIX E
SETTLEABILITY PHOTOGRAPHIC LOG
TREATIBLITY STUDY
Honeywell North Hollywood Site
11600 Sherman Way, North Hollywood, California

Photo 19

1 hr 10 minutes into the test

Taken at 11:12:20.

Note the precip level change over time from Photo 16 @ 40 minutes to current.

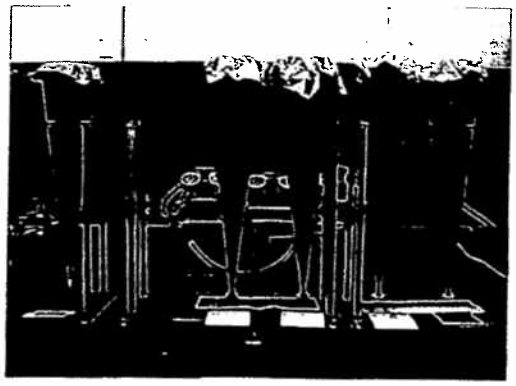

Photo 20

1 hr 50 minutes into the test

Taken at 11:51:50.

Reactions of all cones.

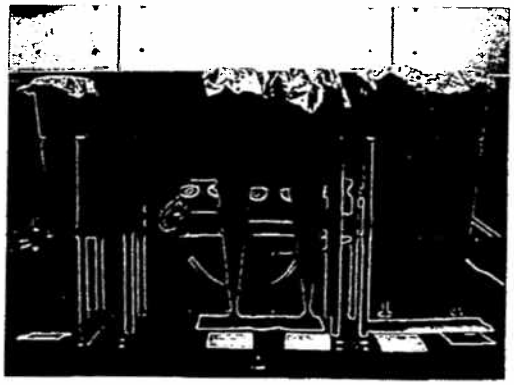

Photo 21

1 hr 50 minutes into the test

Taken at 11:51:50

APPENDIX E
SETTLEABILITY PHOTOGRAPHIC LOG
TREATIBLITY STUDY
Honeywell North Hollywood Site
11600 Sherman Way, North Hollywood, California

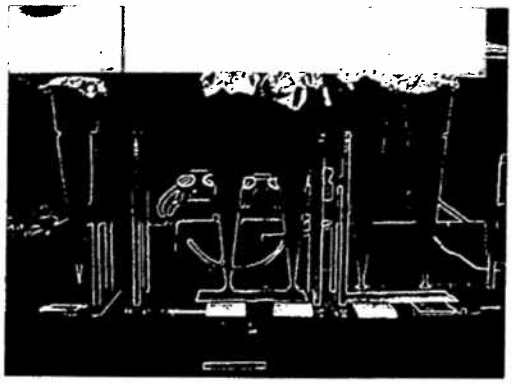

Photo 22

2 hrs 15 min into the test

Taken at 12:16:02

Photo 23

2 hrs 30 minutes into the test

Taken at 12:32:20.

Reactions of 0.5, 1.0, 2.0, and 5.0% CaSx.

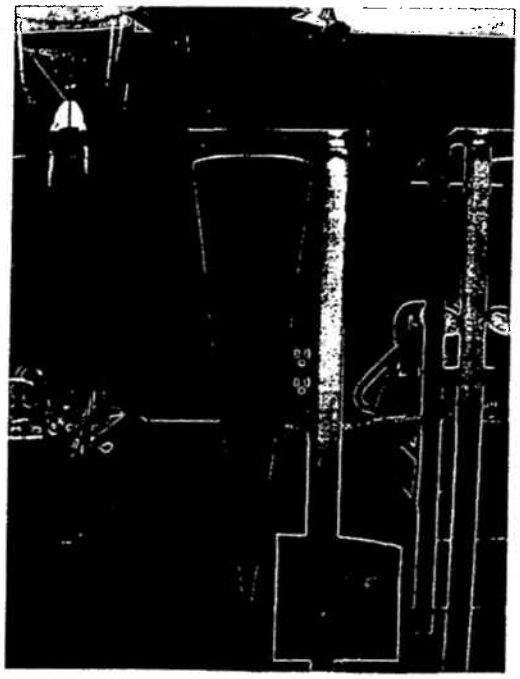

Photo 24

2 hrs 30 minutes into the test

Taken at 12:32:40.

Reaction of 10.0% CaSx.

APPENDIX E
SETTLEABILITY PHOTOGRAPHIC LOG
TREATIBLITY STUDY
Honeywell North Hollywood Site
11600 Sherman Way, North Hollywood, California

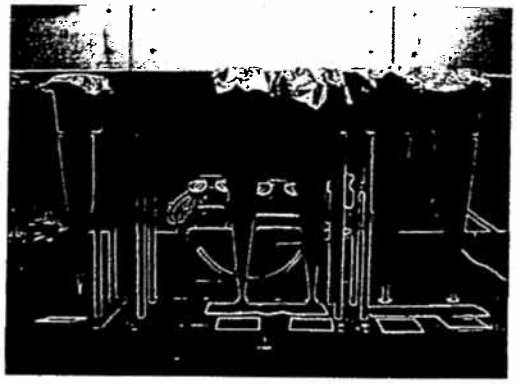

Photo 25

2 hrs 45 min into the test

Taken at 12:45:44

Photo 26

3 hrs into the test

Taken at 12:58:34.

Reactions of 0.5, 1.0, 2.0, and 5.0% CaSx.

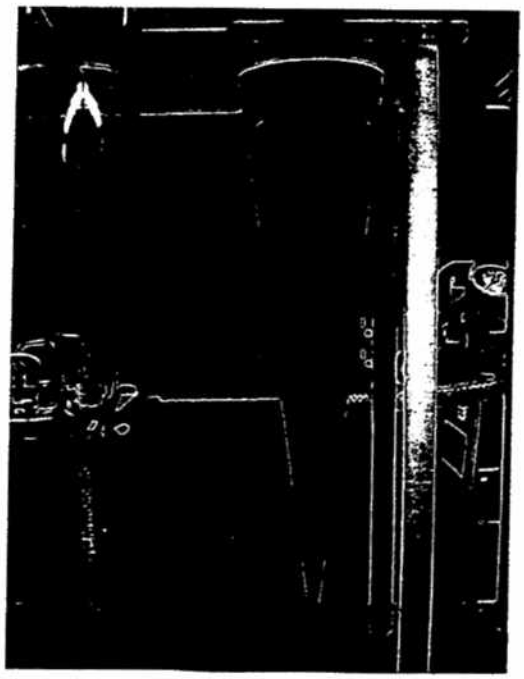

Photo 27

3 hrs into the test

Taken at 12:58:46.

Reaction of 10.0% CaSx.

APPENDIX E
SETTLEABILITY PHOTOGRAPHIC LOG
TREATIBLITY STUDY
Honeywell North Hollywood Site
11600 Sherman Way, North Hollywood, California

Photo 28

3 hrs 15 min into the test

Taken at 13:13:28

Photo 29

3 hrs 30 min into the test

Taken at 13:30:10

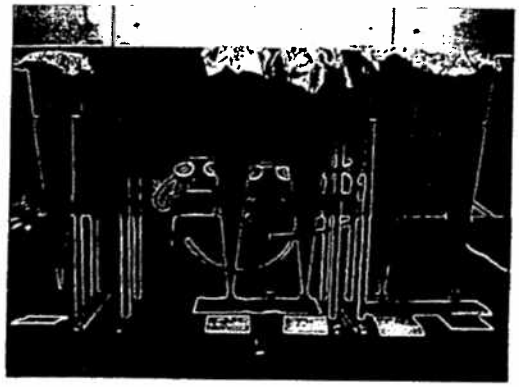

Photo 30

3 hrs 45 min into the test

Taken at 13:47:06

APPENDIX E
SETTLEABILITY PHOTOGRAPHIC LOG
TREATIBLITY STUDY
Honeywell North Hollywood Site
11600 Sherman Way, North Hollywood, California

Photo 31

4 hrs into the test

Taken at 13.59:16

Photo 32

4 hrs 15 min into the test

Taken at 14:22:46

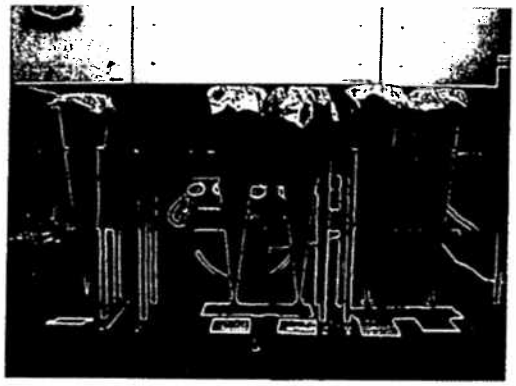

Photo 33

4 hrs 30 min into the test

Taken at 14:37:50

APPENDIX E
SETTLEABILITY PHOTOGRAPHIC LOG
TREATIBLITY STUDY
Honeywell North Hollywood Site
11600 Sherman Way, North Hollywood, California

Photo 34

4 hrs 45 min into the test

Taken at 14:42:40

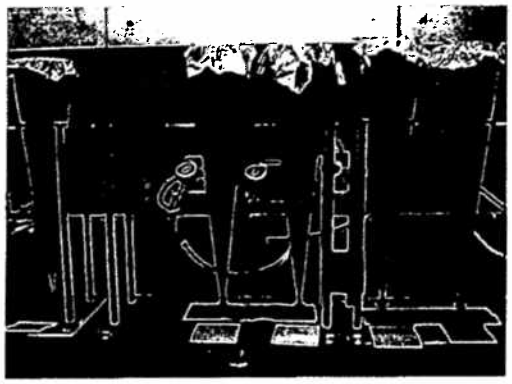

Photo 35

5 hrs into the test; test terminated.

Taken at 14:58:20

At 15:17

Dose %	0.5	1.0	2.5	5.0	10.0
PH	8.7	9.0	9.5	9.9	10.5
Initial ORP	-440	-458	-475	-494	-520

ATTACHMENT F
ANALYTICAL RESULTS FROM SETTLEABILITY TEST

6925 Canoga Avenue Canoga Park, California 91303 (818) 587-5550 ph (818) 587-5555 fax

Columbia Analytical Services INC.
An Employee - Owned Company

October 5, 2005

Chris Nancarrow
MWH Americas, Inc.
3050 Saturn St., Suite 205
Brea, CA 92821

RE: Honeywell – North Hollywood, CA/Project #1890933.0401

Dear Chris:

Enclosed are the results of the samples submitted to our laboratory on September 19, 2005. For your reference, these analyses have been assigned our service request number L0501654.

All analyses were performed in accordance with our laboratory's quality assurance program. Results are intended to be considered in their entirety and apply only to the samples analyzed. Columbia Analytical Services is not responsible for use of less than the complete report. Your report contains 19 pages.

Columbia Analytical Services is certified for environmental analyses by the California Department of Health Services (certificate number: 1296A); NELAP (certificate number: 02115CA); Los Angeles County Laboratory ID (No. 10151); and Arizona Department of Health Services (License number: AZ0136 and AZ0544).

If you have any questions, please call me at (818) 587-5550, extension 309.

Respectfully submitted,

Columbia Analytical Services, Inc.

Sue Anderson
Project Chemist

SA

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0403

Columbia Analytical Services, Inc.

Acronyms

8015M	California DHS LUFT Method
ASTM	American Society for Testing and Materials
BOD	Biochemical Oxygen Demand
BTEX	Benzene/Toluene/Ethylbenzene/Xylenes
CAM	California Assessment Metals
CAS Number	Chemical Abstract Service Registry Number
CFC	Chlorofluorocarbon
COD	Chemical Oxygen Demand
CRDL	Contract Required Detection Limit
D	Detected; result must be greater than zero.
DL	Detected; result must be greater than the detection limit.
DLCS	Duplicate Laboratory Control Sample
DMS	Duplicate Matrix Spike
DOH or DHS	Department of Health Services
ELAP	Environmental Laboratory Accreditation Program
EPA	U.S. Environmental Protection Agency
GC	Gas Chromatography
GC/MS	Gas Chromatography/Mass Spectrometry
IC	Ion Chromatography
ICB	Initial Calibration Blank sample
ICP	Inductively Coupled Plasma atomic emission spectrometry
ICV	Initial Calibration Verification sample
LCS	Laboratory Control Sample
LUFT	Leaking Underground Fuel Tank
M	Modified
MBAS	Methylene Blue Active Substances
MDL	Method Detection Limit
MRL	Method Reporting Limit
MS	Matrix Spike
MTBE	Methyl *tert*-Butyl Ether
NA	Not Applicable
NC	Not Calculated
ND	None Detected at or above the Method Reporting/Detection Limit (MRL/MDL)
NTU	Nephelometric Turbidity Units
ppb	Parts Per Billion
ppm	Parts Per Million
PQL	Practical Quantitation Limit
QA/QC	Quality Assurance/Quality Control
RCRA	Resource Conservation and Recovery Act
RPD	Relative Percent Difference
SIM	Selected Ion Monitoring
SM	*Standard Methods for the Examination of Water and Wastewater*, 18th Ed., 1992.
STLC	Solubility Threshold Limit Concentration
SW	*Test Methods for Evaluating Solid Waste, Physical/Chemical Methods*, SW-846, Third Edition, 1986 and as amended by Updates I, II, IIA, and IIB.
TCLP	Toxicity Characteristics Leaching Procedure
TDS	Total Dissolved Solids
TPH	Total Petroleum Hydrocarbons
TRPH	Total Recoverable Petroleum Hydrocarbons
TSS	Total Suspended Solids
TTLC	Total Threshold Limit Concentration
VOA	Volatile Organic Analyte(s)

Qualifiers

U	Undetected at or above MDL/MRL (PQL).
J	Estimated concentration. Analyte detected above MDL but below MRL (PQL).
B	Hit above MRL (PQL) also found in Method Blank.
E	Analyte concentration above high point of ICAL.
D	Result from dilution.
X	See case narrative.

COLUMBIA ANALYTICAL SERVICES, INC.

Client:	MWH Ameicas, Inc.	**Service Request No.:**	L0501654
Project:	Honeywell – North Hollywood, CA/1890933.0401	**Date Received:**	9/19/05
Sample Matrix:	Water		

CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of Columbia Analytical Services, Inc. (CAS). This report contains analytical results for samples designated for Tier II data deliverables. When appropriate to the method, method blank results have been reported with each analytical test. Surrogate recoveries have been reported for all applicable organic analyses. Additional quality control analyses reported herein include: Matrix/Duplicate Matrix Spike (MS/DMS), Laboratory Control Sample (LCS) and Sample Duplicate (DUP).

Sample Receipt

The samples were received for analysis at Columbia Analytical Services on 9/19/05. Any discrepancies were noted upon initial sample inspection and recorded on the Cooler Receipt and Exception Reports included in this data package. The samples were received in good condition and consistent with the accompanying chain of custody form. The metals samples were filtered and preserved in the lab upon receipt. The samples were stored at 4°C upon receipt at the laboratory.

Dissolved Metals by EPA Method 6010B

Batch QC was run along with these samples. These results have been provided for informational purposes only. The Method Blank and Laboratory Control Samples were within criteria. No anomalies were encountered during this analysis.

Hexavalent Chromium by EPA Method 7199

The samples were received and analyzed past the recommended holding time. The data has been flagged accordingly.

All of the samples required dilution due to the nature of the matrices. Therefore, the reporting limits have been adjusted based on dilution. All of the samples except Raw (L0501654-001) have been reported as non-detect at an elevated reporting limit. The samples were initially analyzed less dilute on 9/19/05. Sample Raw (L0501654-001) was over the calibration range and required a higher dilution. The other samples were non-detect but the matrix spikes that were checked for two of the samples yielded low spike recoveries. Additionally the Continuing Calibration Verification (CCV) failed because of matrix interferences that contaminated the IC system due to the samples. The system was cleaned out overnight and the samples rerun at higher dilutions on 9/20/05.

Approved by Sue Anderson **Date** 10/5/05

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	MWH Americas, Incorporated	**Service Request:**	L0501654
Project:	Honeywell - North Hollywood, CA/1890933.0401	**Date Collected:**	09/15/05
Sample Matrix:	Water	**Date Received:**	09/19/05

Metals

Sample Name:	Raw	Units:	mg/L (ppm)
Lab Code:	L0501654-001	Basis:	NA
Test Notes:			

Analyte	Prep Method	Analysis Method	PQL	MDL	Dilution Factor	Date Digested	Date Analyzed	Result	Result Notes
Arsenic, Dissolved	EPA 3010A	6010B	0.1	0.05	1	09/23/05	09/30/05	ND	
Iron, Dissolved	EPA 3010A	6010B	0.05	0.02	1	09/23/05	09/30/05	0.03	J
Manganese, Dissolved	EPA 3010A	6010B	0.02	0.002	1	09/23/05	09/30/05	ND	

J Estimated concentration. The result is less than the PQL but greater than the MDL.

Approved By: Barbara Simpson Date: 10/5/05

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COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	MWH Americas, Incorporated	**Service Request:**	L0501654
Project:	Honeywell - North Hollywood, CA/1890933.0401	**Date Collected:**	09/15/05
Sample Matrix:	Water	**Date Received:**	09/19/05

Metals

Sample Name:	0.5% CaSx	Units:	mg/L (ppm)
Lab Code:	L0501654-002	Basis:	NA
Test Notes:			

Analyte	Prep Method	Analysis Method	PQL	MDL	Dilution Factor	Date Digested	Date Analyzed	Result	Result Notes
Arsenic, Dissolved	EPA 3010A	6010B	0.1	0.05	1	09/23/05	09/30/05	ND	
Iron, Dissolved	EPA 3010A	6010B	0.05	0.02	1	09/23/05	09/30/05	ND	
Manganese, Dissolved	EPA 3010A	6010B	0.02	0.002	1	09/23/05	09/30/05	0.006	J

J Estimated concentration. The result is less than the PQL but greater than the MDL.

Approved By: Barbara Seubert Date: 10/5/05

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L0501654icp.bal - Sample (2) 10/05/05

METWD.XLT

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	MWH Americas, Incorporated	**Service Request:**	L0501654
Project:	Honeywell - North Hollywood, CA/1890933.0401	**Date Collected:**	09/15/05
Sample Matrix:	Water	**Date Received:**	09/19/05

Metals

Sample Name:	1% CaSx	Units:	mg/L (ppm)
Lab Code:	L0501654-003	Basis:	NA
Test Notes:			

Analyte	Prep Method	Analysis Method	PQL	MDL	Dilution Factor	Date Digested	Date Analyzed	Result	Result Notes
Arsenic, Dissolved	EPA 3010A	6010B	0.1	0.05	1	09/23/05	09/30/05	ND	
Iron, Dissolved	EPA 3010A	6010B	0.05	0.02	1	09/23/05	09/30/05	ND	
Manganese, Dissolved	EPA 3010A	6010B	0.02	0.002	1	09/23/05	09/30/05	ND	

Approved By: Barbara Seubert Date: 10/5/05

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COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	MWH Americas, Incorporated	**Service Request:**	L0501654
Project:	Honeywell - North Hollywood, CA/1890933.0401	**Date Collected:**	09/15/05
Sample Matrix:	Water	**Date Received:**	09/19/05

Metals

Sample Name:	2.5% CaSx	Units:	mg/L (ppm)
Lab Code:	L0501654-004	Basis:	NA
Test Notes:			

Analyte	Prep Method	Analysis Method	PQL	MDL	Dilution Factor	Date Digested	Date Analyzed	Result	Result Notes
Arsenic, Dissolved	EPA 3010A	6010B	100	50	1	09/23/05	09/30/05	ND	
Iron, Dissolved	EPA 3010A	6010B	0.05	0.02	1	09/23/05	09/30/05	ND	
Manganese, Dissolved	EPA 3010A	6010B	0.02	0.002	1	09/23/05	09/30/05	0.003	J

J Estimated concentration. The result is less than the PQL but greater than the MDL.

Approved By: Barbara Dunbar Date: 10/5/05

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L0501654icp.ba1 - Sample (4) 10/05/05

METWD.XLT

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	MWH Americas, Incorporated	**Service Request:**	L0501654
Project:	Honeywell - North Hollywood, CA/1890933.0401	**Date Collected:**	09/15/05
Sample Matrix:	Water	**Date Received:**	09/19/05

Metals

Sample Name:	5% CaSx	Units:	mg/L (ppm)
Lab Code:	L0501654-005	Basis:	NA
Test Notes:			

Analyte	Prep Method	Analysis Method	PQL	MDL	Dilution Factor	Date Digested	Date Analyzed	Result	Result Notes
Arsenic, Dissolved	EPA 3010A	6010B	200	100	2	09/23/05	10/03/05	0.16	F1A/J
Iron, Dissolved	EPA 3010A	6010B	0.05	0.02	1	09/23/05	09/30/05	ND	
Manganese, Dissolved	EPA 3010A	6010B	0.02	0.002	1	09/23/05	09/30/05	0.04	J

J	Estimated concentration. The result is less than the PQL but greater than the MDL.
F1A	The MRL is elevated because of matrix interferences requiring sample dilution.

Approved By: Barbara Durham Date: 10/5/05

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	MWH Americas, Incorporated	**Service Request:**	L0501654
Project:	Honeywell - North Hollywood, CA/1890933.0401	**Date Collected:**	09/15/05
Sample Matrix:	Water	**Date Received:**	09/19/05

Metals

Sample Name:	10% CaSx	Units:	mg/L (ppm)
Lab Code:	L0501654-006	Basis:	NA
Test Notes:			

Analyte	Prep Method	Analysis Method	PQL	MDL	Dilution Factor	Date Digested	Date Analyzed	Result	Result Notes
Arsenic, Dissolved	EPA 3010A	6010B	0.1	0.05	1	09/23/05	09/30/05	ND	
Iron, Dissolved	EPA 3010A	6010B	0.05	0.02	1	09/23/05	09/30/05	ND	
Manganese, Dissolved	EPA 3010A	6010B	0.02	0.002	1	09/23/05	09/30/05	ND	

Approved By: Barbara Serkan Date: 10/5/05

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COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	MWH Americas, Incorporated	**Service Request:**	L0501654
Project:	Honeywell - North Hollywood, CA/1890933.0401	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA

Metals

Sample Name:	Method Blank	Units:	mg/L (ppm)
Lab Code:	L050923-MB1	Basis:	NA
Test Notes:			

Analyte	Prep Method	Analysis Method	PQL	MDL	Dilution Factor	Date Digested	Date Analyzed	Result	Result Notes
Arsenic, Dissolved	EPA 3010A	6010B	0.1	0.05	1	09/23/05	09/30/05	ND	
Iron, Dissolved	EPA 3010A	6010B	0.05	0.02	1	09/23/05	09/30/05	ND	
Manganese, Dissolved	EPA 3010A	6010B	0.02	0.002	1	09/23/05	09/30/05	ND	

Approved By: Barbara Stenborn Date: 10/5/05

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client:	MWH Americas, Incorporated	**Service Request:**	L0501654
Project:	Honeywell - North Hollywood, CA/1890933.0401	**Date Collected:**	NA
LCS Matrix:	Water	**Date Received:**	NA
		Date Digested:	09/23/05
		Date Analyzed:	09/30/05

Laboratory Control Sample Summary
Metals

Sample Name:	Lab Control Sample	Units:	mg/L (ppm)
Lab Code:	L050923-LCS1	Basis:	NA
Test Notes:			

Analyte	Prep Method	Analysis Method	True Value	Result	Percent Recovery	CAS Percent Recovery Acceptance Limits	Result Notes
Arsenic, Dissolved	EPA 3010A	6010B	1.00	1.00	100	89-119	
Iron, Dissolved	EPA 3010A	6010B	5.00	4.87	97	94-119	
Manganese, Dissolved	EPA 3010A	6010B	0.500	0.486	97	90-119	

Approved By: Barbara Sebrina Date: 10/5/05

LCS/020597p
L0501654icp.bal - LCS 10/05/05

METWD.XLT

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COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: MWH Americas, Incorporated
Project: Honeywell - North Hollywood, CA/1890933.0401
Sample Matrix: Water

Service Request: L0501654
Date Collected: NA
Date Received: NA
Date Digested: 09/23/05
Date Analyzed: 09/30/05

Matrix Spike/Duplicate Matrix Spike Summary
Metals

Sample Name: Batch QC
Lab Code: L0501654-001MS L0501654-001DMS
Test Notes:

Units: mg/L (ppm)
Basis: NA

Analyte	Prep Method	Analysis Method	PQL	Spike Level MS	Spike Level DMS	Sample Result	Spike Result MS	Spike Result DMS	Percent Recovery MS	Percent Recovery DMS	CAS Acceptance Limits	Relative Percent Difference	Result Notes
Arsenic, Dissolved	EPA 3010A	6010B	0.1	1.00	1.00	ND	0.937	1.02	94	102	84-121	8	
Iron, Dissolved	EPA 3010A	6010B	0.05	5.00	5.00	ND	4.88	4.88	98	98	83-120	<1	
Manganese, Dissolved	EPA 3010A	6010B	0.02	0.500	0.500	ND	0.484	0.487	97	97	81-119	<1	

Approved By: Barbara Sullivan 12 Date: 10/5/05

L0501654icp.bsl - DMS 10/05/05

METWD.XLT

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	MWH Americas, Incorporated	**Service Request:**	L0501654
Project:	Honeywell - North Hollywood, CA/1890933.0401	**Date Collected:**	9/15/05
Sample Matrix:	Water	**Date Received:**	9/19/05

Chromium, Hexavalent

Prep Method:	METHOD	Units:	ug/L (ppb)
Analysis Method:	7199	Basis:	NA
Test Notes:			

Sample Name	Lab Code	PQL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
Raw	L0501654-001	20	4	200	NA	9/20/05	760	B1
0.5% CaSx	L0501654-002	10	2	100	NA	9/20/05	ND	B1/F1B
1% CaSx	L0501654-003	10	2	100	NA	9/20/05	ND	B1/F1B
2.5% CaSx	L0501654-004	10	2	100	NA	9/20/05	ND	B1/F1B
5% CaSx	L0501654-005	10	2	100	NA	9/20/05	ND	B1/F1B
10% CaSx	L0501654-006	10	2	100	NA	9/20/05	ND	B1/F1B
Method Blank	L050920-MB	0.1	0.02	1	NA	9/20/05	0.05	J

B1	Sample was received and analyzed outside of the recommended maximum holding time.
F1B	The PQL is elevated because of matrix interferences.
J	Estimated concentration. The result is less than the PQL but greater than the MDL.

Approved By: [signature] Date: 9/25/05

IA/020597p

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client:	MWH Americas, Incorporated	**Service Request:**	L0501654
Project:	Honeywell - North Hollywood, CA/1890933.0401	**Date Collected:**	NA
LCS Matrix:	Water	**Date Received:**	NA
		Date Extracted:	NA
		Date Analyzed:	9/20/05

Laboratory Control Sample/Duplicate Laboratory Control Sample Summary
Chromium, Hexavalent

Sample Name:	Duplicate Lab Control Sample	Units:	ug/L (ppb)
Lab Code:	L050920-LCS L050920-DLCS	Basis:	NA
Test Notes:			

Analyte	Prep Method	Analysis Method	True Value LCS	True Value DLCS	Result LCS	Result DLCS	Percent Recovery LCS	Percent Recovery DLCS	CAS Acceptance Limits	Relative Percent Difference	Result Notes
Chromium, Hexavalent	METHOD	7199	2.00	2.00	2.12	2.10	106	105	90-110	<1	

Approved By: [signature] Date: 9/25/05

DLCS/020597p

L0501654WET.NK1 - DLCS 9/25/05

Page No.:

3/28/06 104(e)
0416

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client:	MWH Americas, Incorporated	**Service Request:**	L0501654
Project:	Honeywell - North Hollywood, CA/1890933.0401	**Date Collected:**	9/15/05
Sample Matrix:	Water	**Date Received:**	9/19/05
		Date Extracted:	NA
		Date Analyzed:	9/20/05

Matrix Spike/Duplicate Matrix Spike Summary
Chromium, Hexavalent

Sample Name:	Raw		Units: ug/L (ppb)
Lab Code:	L0501654-001MS	L0501654-001DMS	Basis: NA
Test Notes:			

Analyte	Prep Method	Analysis Method	PQL	Spike Level MS	Spike Level DMS	Sample Result	Spike Result MS	Spike Result DMS	Percent Recovery MS	Percent Recovery DMS	CAS Acceptance Limits	Relative Percent Difference	Result Notes
Chromium, Hexavalent	METHOD	7199	20	200	200	758	946	940	94	91	90-110	<1	

Approved By: [signature] Date: 9/25/05

DMS/020597p

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: MWH Americas, Incorporated
Project: Honeywell - North Hollywood, CA/1890933.0401
Sample Matrix: Water

Service Request: L0501654
Date Collected: 9/15/05
Date Received: 9/19/05
Date Extracted: NA
Date Analyzed: 9/20/05

Duplicate Summary
Chromium, Hexavalent

Sample Name: Raw
Lab Code: L0501654-001DUP
Test Notes:

Units: ug/L (ppb)
Basis: NA

Analyte	Prep Method	Analysis Method	PQL	Sample Result	Duplicate Sample Result	Average	Relative Percent Difference	Result Notes
Chromium, Hexavalent	METHOD	7199	20	758	759	759	<1	

Approved By: Sue Anderson Date: 9/25/05

DUP/020597p

L0501654

Honeywell

Chain Of Custody / Analysis Request

AESI Ref: 38271-38932
COC #: 37070-0075
Lab Use Only
Lab Proj #:
Lab ID: CAS

A/C:

Privileged & Confidential:

EDD To:

Site Name: NORTHHOLLY

Location of Site: Honeywell - North Hollywood, California Projec

Client Contact: (name, co., address)
Richard Thomasser/Michael Flaugher
MWH
3050 Saturn Street, Suite 205, Brea, CA 92821
michael.flaugher@mwhglobal.com
Contact Phone/Cell: (714) 646-2007 / (714) 936-3397

Hardcopy Report To: Chris Nancarrow

Invoice To: Benny DeHghi

Sampler:

P O # 1890935.0401

Analysis Turnaround Time: 10

Standard -

Rush Charges Authorized for -

2 weeks -

1 week -

Next Day -

Job No. 1890933.0401

Written and maintained by AESI (Ver 3.5) 11-05-04

Location ID	Start Depth (ft)	End Depth (ft)	Field Sample ID	Sample Date	Sample Time	Sample Type	Sample Matrix	Sample Purpose	# of Cont.	Grab/Composite	Field Filtered Sample?	Hex. Chromium (EPA 7199)	Iron, Manganese, Arsenic (EPA 6010B)	Sulfate (EPA 300.0)	Sulfide (EPA 376.2)	TDC (415.1)									Lab Sample Numbers
												0	0	0	0	0	0	0	0	0	0	0	0	0	
										Units		mg/L	mg/L	mg/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L					
ARD			RAW	9.15.05	1630		H_2O		1			✓	✓												1
			0.5% CaSx	↓	↓		↓		↓			✓	✓												2
17			1% CaSx									✓	✓												3
			2.5% CaSx									✓	✓												4
			5% CaSy									✓	✓												5
			10% CaSx									✓	✓												6

Special Instructions: ☆ NO DRY ANALYSIS

Relinquished by	Company	MWH		Company	MWH	Condition		Custody Seals Intact	
[signature]	Date/Time	9.16.05 1500		Date/Time		Cooler Temp.			
Relinquished by	Company		Received by	Company	CAS	Condition	OK	Custody Seals Intact	
Felex	Date/Time		[signature]	Date/Time	9/19/05 0530	Cooler Temp. 20°	20		

Preservatives: 0 = None; [1 = HCL]; [2 = HNO3]; [3 = H2SO4]; [4 = NaOH]; [5 = Zn. Acetate]; [6 = MeOH]; [7 = NaHSO4]; 8 = Other (specify):

SAMPLE RECEIPT FORM

Service Request No: L050 1654 Client: MWH

Sample(s) delivered by: Client ____ CAS Emp ____ After Hours ____ DHL____

Golden State Overnight ____ Fed X ✓ UPS ____ Other Courier ____

Chain of Custody filled out accurately? Yes ✓ No ____(See Comments)

Appropriate sample volume and containers? Yes ____ No ✓ *(See Comments)

Sufficient labeling on container(s) ? Yes ✓ No ____(See Comments)

Container(s) supplied by CAS? Yes ____ No ✓(See Comments)

Custody seal(s) intact? N/A ✓ Yes ____ No ____(See Comments)

Trip Blank(s) received Yes ____ No ✓

If Trip Blank was supplied by CAS, record serial # _____-TB-_____

Temperature of sample(s)/cooler 20 °C ** Temp Blank? Y or N (Circle One)

Voa's Marked Preserved? Yes ____ No ____ Filled Properly? Yes ____ No ____ (See Comments)

Preserved Bottles Requiring pH check(s)? Yes ____ Appropriate Preservation? Yes____ No____

RUSH Turn around time? Yes ____ Notified _____ Date & Time_____

Short Hold-Time Analysis (check all that apply)

ASAP	Res Cl____	D.O____	Flash____	Diss S2-____	Ferrous Fe____
24HR	pH____	Odor____	Cr+6____		
48HR	BOD____	Color____	MBAS____	Nitrate____	
	Nitrite____	O-PO4____	Sett Sol____	Turbidity____	
72HR	Vapors____				

Notified _____ Date & Time_____

Container(s) received and their preservative(s):

1 → 6 = 1- 200ml WM PLASTIC

Comments * Need to split for Metals once Cr6+ done and preserve.

** NO ICE IN COOLER

Initials Date Time 9/19/05 0900

3/28/06 104(e)
0420

Columbia Analytical Services
6925 Canoga Avenue
Canoga Park, California
Phone: (818) 587-5550 Fax: (818) 587-5555

SAMPLE RECEIPT EXCEPTION REPORT

Service Request #: L0501654 **Client/Project:** MWH NORTH HOLLYWOOD

		COMMENTS
	1. No custody seal as required by project.	
	2. Analysis, description, date/time of collection not provided.	
✓	3. Temperature of samples inappropriate for analysis requested.	NO ICE IN COOLER. 20°C.
	4. Samples broken or leaking on receipt.	
	5. Container inappropriate for analysis requested.	
	6. Inadequate sample volume.	
✓	7. Preservation inappropriate for analysis requested.	NON-PRESERVED SAMPLE WILL NEED TO BE SPLIT & PRESERVED FOR METALS
✓	8. Samples received out of holding time for analysis requested.	7199 RECEIVED PAST 24 HOUR HT
	9. Discrepancies between COC form and container labels.	
	10. Other	

Corrective Actions Taken:

* Left voicemail 9/19/05 0900 for CHRIS ABOUT DISCREPANCIES. SAMPLES ARE RESEARCH, NOT FOR COMPLIANCE. WILL CONTINUE W/ TESTING AND FLAG AS NECESSARY UNLESS OTHERWISE INSTRUCTED. Sue

Notified:
✓ Client CHRIS Hancarrow *
✓ CAS Project Manager Sue

By: Sue
Date: 9/19/05

MWH

Submittal of Waste Discharge Requirements Permit Application and Supplemental Information

May 2005

Submittal of Waste Discharge Requirements Permit Application and Supplemental Information

Former North Hollywood Site
11600 Sherman Way
North Hollywood, California

May 2005

MWH

3/28/06 104(e)
0424

Fedex Priority 1890933.0401

Lapostol Alex

California Regional Water Quality Control Board
320 West 4th Street, Suite 200
Los Angeles, CA 90013

Office phone: 213-576-6807
Office fax: 213-576-6640

eMail: alex.lapostol@ch2m.com

Name

First name: Alex
Middle name:
Last name: Lapostol
Title: Suffix:

Phones

Office phone: 213-576-6807
Office fax: 213-576-6640
Cell phone:
Home phone:
Home fax:
Pager:

Business

Company: California Regional Water Quality Control Board
Job title:

Email and Web Page

eMail address: alex.lapostol@ch2m.com
Web page:

Business

Address: 320 West 4th Street, Suite 200
Los Angeles, CA
ZIP/Postal code: 90013
Country:

Location:
Department:
Manager:
Assistant:

Home

Home address:
ZIP/Postal code:
Country:

Spouse:
Children:

Birthday:

Name

Full user name: Alex Lapostol
Mail domain:

Short name:

Organize

Categories:
Logo: Beach Texture

Phonetic name:

Display name format: Lastname Firstname

Internet Certificate

Internet certificate: Not Available
Internet certificate issuers:

3/28/06 104(e)
0425

Fedex Priority 1890933.0401

Oriola Dixon
Unit Chief; ~~Senior Engineering Geologist; Well Investigation Program~~

California Regional Water Quality Control Board
320 West 4th Street, Suite 200
Los Angeles, CA 90013

Office phone: 213-576-6803
Office fax: 213-576-6700

eMail: doriola@rb4.swrcb.ca.gov

Name

First name:	Dixon
Middle name:	A
Last name:	Oriola
Title:	
Suffix:	

Phones

Office phone:	213-576-6803
Office fax:	213-576-6700
Cell phone:	
Home phone:	
Home fax:	
Pager:	

Business

Company:	California Regional Water Quality Control Board
Job title:	Unit Chief Senior Engineering Geologist Well Investigation Program

Email and Web Page

eMail address:	doriola@rb4.swrcb.ca.gov
Web page:	

Business

Address:	320 West 4th Street, Suite 200 Los Angeles, CA
ZIP/Postal code:	90013
Country:	
Location:	
Department:	
Manager:	
Assistant:	

Home

Home address:	
ZIP/Postal code:	
Country:	
Spouse:	
Children:	
Birthday:	

Name

Full user name:	Dixon A Oriola
Mail domain:	
Short name:	

Organize

Categories:	
Logo:	Beach Texture
Phonetic name:	
Display name format:	Lastname Firstname

Internet Certificate

Internet certificate:	Not Available

Fedex Priority 1890933.0401

DeHghi Benny
Manager; Remediation & Evaluation Services

Honeywell
2525 West 190th Street
Torrance, CA 90604-6099

Office Phone: 310-512-2296
Office Fax: 310-512-2489
Cell Phone: 310-292-0991

eMail: benny.dehghi@honeywell.com

Name

First name: Benny
Middle name:
Last name: DeHghi
Title: Suffix:

Phones

Office Phone: 310-512-2296
Office Fax: 310-512-2489
Cell Phone: FX-6: Personal Privacy
Home Phone:
Home Fax:
Pager:

Business

Company: Honeywell
Job title: Manager Remediation & Evaluation Services

Email and Web Page

eMail address: benny.dehghi@honeywell.com
Web page:

Business

Address: 2525 West 190th Street Torrance, CA
ZIP/Postal code: 90604-6099
Country:

Location:
Department:
Manager:
Assistant:

Home

Home address:
ZIP/Postal code:
Country:

Spouse:
Children:

Birthday:

Name

Full user name: Benny DeHghi
Mail domain:

Short name:

Organize

Categories:
Logo: Beach Texture

Phonetic name:

Display name format: Lastname Firstname

Internet Certificate

Internet certificate: Not Available
Internet certificate issuers:

Thomasser Rick

Slow Boat

1890933.0401

Office phone: 707-259-8657
Office fax: 707-259-8619
Cell phone: 925-899-1882
WCK phone: 925-975-3436

Name

First name: Rick
Middle name:
Last name: Thomasser
Title: Suffix:

Phones

Office phone: 707-259-8657
Office fax: 707-259-8619
Cell phone: [redacted]
WCK phone: 925-975-3436

Home fax:
Pager:

Business

Company:
Job title:

Email and Web Page

eMail address:
Web page:

Business

Address: 804 First Street
Napa, CA
ZIP/Postal code: 94559
Country:

Location:
Department:
Manager:
Assistant:

Home

Home address:

ZIP/Postal code:
Country:

Spouse:
Children:

Birthday:

Name

Full user name: Rick Thomasser
Mail domain:

Short name:

Organize

Categories:
Logo: Beach Texture

Phonetic name:

Display name format: Lastname Firstname

Internet Certificate

Internet certificate: Not Available
Internet certificate issuers:

Notes Certificates

Certified public key:
Flat name key:

MWH

May 31, 2005

Mr. Dixon Oriola
Unit Chief
California Regional Water Quality Control Board
Los Angeles Region
320 West 4th Street, Suite 200
Los Angeles, California 90013

Subject: Submittal of Waste Discharge Requirements Permit Application and Supplemental Information
Former Honeywell North Hollywood Site
11600 Sherman Way, North Hollywood, California

Dear Mr. Oriola:

MWH Americas, Inc. (MWH) is submitting this Waste Discharge Requirements (WDR) Permit Application and Supplemental Information package, including a check for $5,668.00 for the permit and surcharge fees, to the Regional Water Quality Control Board – Los Angeles Region (RWQCB) on behalf of Honeywell International Inc. (Honeywell). The WDR Permit Application Form 200 was requested by the RWQCB in a letter dated April 13, 2005. The supplemental information included in this package is presented in support of the permit application.

1.0 INTRODUCTION

This document has been prepared in support of a permit application to establish WDRs for the soil and groundwater remediation activities at the Former Honeywell North Hollywood Site (Site) using in-situ chemical reduction. The soil and groundwater remediation approach has been presented in a remediation plan titled, "Soil and Interim Groundwater Remedial Action Plan (SIGRAP), Former Honeywell North Hollywood Site" prepared by MWH, dated July 30, 2004 (Appendix A). The SIGRAP was approved by the RWQCB in a letter dated April 13, 2005 (Appendix B). The goals of the proposed soil remedial measures are to reduce mobile hexavalent chromium concentrations in the vadose zone to prevent these residual concentrations from further threatening groundwater quality. The goals for interim groundwater remediation are to provide for hydraulic control of the on-Site chromium plume and to reduce concentrations of dissolved chromium in groundwater.

3050 Saturn Street,
Suite 205
Brea, California 92821

Tel: 714-646-2020
Fax: 714-986-9834

The WDR permit application Form 200 for in-situ chemical reduction has been prepared and is included as Appendix C. In addition, the Environmental Information Form, Part 1 of the Initial Study, has been prepared and included as Appendix D.

The following sections of this document provide summarized information regarding the Site background and remedial technology.

2.0 SITE HISTORY

The Site is located in the east-central part of the San Fernando Valley (SFV), approximately 14 miles northwest of downtown Los Angeles, California. It is bordered by Sherman Way to the north, Lankershim Boulevard to the west, various commercial/light industrial businesses to the east, and by the Southern Pacific Railroad right-of-way to the south. The present-day land use is commercial/retail, including office buildings owned and operated by Kaiser Permanente in the western part of the Site, a self-storage business owned and operated by Public Storage, Inc. in the central part of the Site, and a hardware store owned and operated by Home Depot, Inc. in the eastern part of the Site.

During the period from 1941 to 1992, the Site was used by the Bendix Corporation and later by AlliedSignal/Bendix Electrodynamics (Bendix was purchased by AlliedSignal, now known as Honeywell International Inc.) for the manufacture of hydraulic and pneumatic valves. Prior to its demolition in 1993, the Site included two main building complexes referred to as Plant 1 and Plant 2. Plant 1, which was constructed in 1941, was the larger of the two and was located in the central portion of the facility near the present-day Public Storage parcel and the western part of the Home Depot parcel. Plant 2, which was constructed in 1949, occupied the eastern portion of the facility and was located north and east of the current Home Depot building. After the plant buildings were razed, the Site was subdivided and re-developed as three separate parcels as discussed above. The western part of the Site, which was formerly used as a parking lot, was sold to Kaiser Permanente in 1991. The middle part of the Site was sold to Public Storage, Inc. in 1997. The easternmost part of the Site, which includes the former locations of Plant 2 and much of Plant 1, was sold to Home Depot in 1995.

Since the late 1980s, phased investigation and soil remediation efforts at the Site have been conducted in close coordination with the RWQCB. The early investigations focused primarily on evaluating the nature and extent of volatile organic compounds (VOCs) and metals in the subsurface at the Site. For many years, VOC-impacted groundwater in the site vicinity has formed the basis for the San Fernando Valley Superfund site (specifically, the North Hollywood Operable Unit. In late February 2003, the RWQCB issued Cleanup and Abatement Order (CAO) No. R4-2003-0037, which required the assessment of emerging chemicals and heavy metals (including total and hexavalent chromium) in the unsaturated and saturated zones beneath the Site. Additional Site characterization investigations followed. In July 2004, the SIGRAP was submitted to the RWQCB. The SIGRAP was approved in April 2005.

Historically, remediation activities at the Site have consisted of excavation. In 1994, Honeywell excavated approximately 120 cubic yards of soil from the former Plant 2 area. In 1997, chromium-impacted soil hotspots were removed from locations beneath Plant 1 using a bucket auger. Between December 1999 and March 2000 an additional 230 tons of chromium-impacted soil was removed from Plant 1 during redevelopment for the Public Storage facility.

3.0 HYDROGEOLOGIC SETTING

The Site is hydrogeologically situated in the San Fernando Valley Groundwater Basin, a part of the water management area known as the Upper Los Angeles River Area. Groundwater supply wells, such as the various well fields operated by the City of Los Angeles, comprise an important source of drinking water. Following the listing of parts of the Basin on the National Priority List in the 1980s, large-scale groundwater remediation projects have used groundwater extraction and aboveground treatment to address widespread contamination due to VOCs and nitrate.

The prevailing direction of the regional groundwater flow in the basin is toward the east-southeast, in the direction of the Los Angeles River Narrows. Groundwater extraction, either for water supply or remedial purposes, influences this pattern and can locally reverse the otherwise natural direction of groundwater flow. A detailed discussion of well fields near the Site is included in the attached SIGRAP.

Water levels measured in the on-Site groundwater monitoring wells indicated significant fluctuations since groundwater monitoring began in 1991. A significant rise in the water table (i.e., on the order of 40 to 50 feet) was observed during the period from 1993 to 1997. Detectable chromium in on-Site groundwater monitoring wells was not documented until 1998. The groundwater flow gradient beneath the immediate Site is relatively flat. Due to the influence of groundwater extraction in the surrounding well fields, local groundwater flow direction at the Site is highly variable and subject to pronounced changes from one monitoring event to another. The most recent Site groundwater monitoring report, "Groundwater Monitoring Report, First Quarter 2005," dated April 15, 2005, is included as Appendix E.

4.0 CHROMIUM IMPACTS TO SOIL AND GROUNDWATER

Historical releases from the former plating operations occurred primarily in the northern half of the plating facility in Plant 1. The aerial extent of elevated hexavalent chromium concentrations in soil covers an area of approximately 1,750 square feet centered around the location of plating tanks and areas of highest use within the plating room of Plant 1. In general, the lateral extent of elevated hexavalent chromium in soil is within the limits of the former plating facility. Migration from the point of release is primarily downward with little lateral spreading. The vertical extent of chromium impact is well defined with the majority of the contaminant mass primarily sorbed or contained-in the uppermost 50-feet of the vadose zone beneath the source area.

Groundwater was analyzed in select wells for hexavalent chromium beginning in July 1997. Honeywell conducted additional groundwater monitoring for total and hexavalent chromium in February 1998, July 1998, July 1999, and February 2001. The maximum concentration of total chromium detected during these sampling events was 5,810 micrograms per liter in the February 2001 sample from well GW-3. Historical analytical data including the February 2001 groundwater data were provided to the RWQCB in the, "Technical Report and Remedial Investigation Workplan for Chromium, Honeywell International, Inc." by Parsons, dated December 2001. In accordance with the RWQCB's February 21, 2003 CAO, Honeywell initiated quarterly groundwater monitoring, including sampling of all on-Site groundwater monitoring wells and testing for total and hexavalent chromium.

During First Quarter 2005, thirteen groundwater monitoring wells were sampled and analyzed for Title 22 metals, hexavalent chromium, and VOCs. Select wells were sampled and analyzed for 1,4-dioxane and perchlorate. The First Quarter 2005 Groundwater Monitoring Report is included as Appendix E. During this reporting period, the groundwater flow direction was to the northeast. Hexavalent chromium was detected in eight of the 13 wells at concentrations ranging from 0.002 milligrams per liter (mg/L) to 6.4 mg/L. VOCs were detected in all wells at relatively low concentrations, with higher concentrations in the southwest corner of the Site. In November 2004, Honeywell commenced installation of four off-Site monitoring wells to the south and southeast of the Site. Well installation and development activities were completed on April 29, 2005. All four wells have been completed as multi-screened wells with Barcad samplers to allow for discrete vertical groundwater sampling. A report detailing well installation, the results of soil and vertically-discrete groundwater samples collected during drilling, and initial groundwater samples collected after development will be submitted by June 30, 2005. The new off-Site wells were added to the routine groundwater monitoring program during Second Quarter 2005 and groundwater monitoring results will be presented in the Second Quarter 2005 Groundwater Monitoring Report which will be submitted to the RWQCB on July 15, 2005.

5.0 REMEDIAL TECHNOLOGY SUMMARY

The SIGRAP proposed an integrated approach to cleanup hexavalent chromium in the vadose zone, (thereby inhibiting future migration of chromium from the vadose zone into the underlying groundwater); cleanup chromium-impacted groundwater; and provide hydraulic control of the on-Site groundwater chromium plume.

The approach involves eliminating the 'reservoir' of mobile hexavalent chromium present in the contaminated soils by percolation of reductant solution from an infiltration basin. Such percolation will displace a portion of the mobile chromium from the vadose zone, but it will be captured by pumping of a recovery well within the 'footprint' of the soil contamination area. The recovered water will be treated and used as a source of supply for the infiltration solution.

Hydraulic control and in-situ reduction of chromium in the saturated zone under the Site will be achieved by pumping initially from one down-gradient well and one source area well and reinjection of the reductant-treated water in cross-gradient wells, thereby achieving lateral reduction of the plume within the on-Site plume areas. The reduction will also generate conditions optimal to microbiological reduction of hexavalent chromium and chlorinated solvents. A detailed discussion of the remedial approach is described in the attached SIGRAP.

Appendix F is a table summarizing MWH experience with respect to *in-situ* treatment of hexavalent chromium. Additional details on these projects, along with several RWQCB-issued WDRs and project documents were submitted by MWH to the RWQCB in the "Data Package to Support Proposed Remediation, Former Honeywell North Hollywood Site," dated June 2004.

Both Honeywell and MWH appreciate your attention to this project. If you have any questions or comments, or if you would like additional information, please feel free to contact Mr. Richard Thomasser at (707) 259-8657 or Ms. Lisa Hall at (714) 646-2001.

Sincerely,

MWH Americas, Inc.

Lisa A. Hall

Lisa A. Hall, P.E.
Principal Engineer

Richard Thomasser

Richard M. Thomasser, P.G.
Principal Hydrogeologist

Appendices

Check for $5,668.00 for Permit Fee (to Dixon Oriola only)

A SIGRAP (MWH, July 2004)
B SIGRAP Approval Letter (RWQCB, April 2005)
C WDR Permit Application Form 200
D Environmental Information Form, Initial Study Part 1
E Groundwater Monitoring Report, First Quarter 2005 (MWH, April 2005)
F MWH In-Situ Chromium Treatment Experience Summary

cc: Mr. Alex Lapostol, RWQCB
Mr. Benny DeHghi, Honeywell

MWH

May 31, 2005

Mr. Dixon Oriola
Unit Chief
California Regional Water Quality Control Board
Los Angeles Region
320 West 4th Street, Suite 200
Los Angeles, California 90013

Subject: Submittal of Waste Discharge Requirements Permit Application and Supplemental Information
Former Honeywell North Hollywood Site
11600 Sherman Way, North Hollywood, California

Dear Mr. Oriola:

MWH Americas, Inc. (MWH) is submitting this Waste Discharge Requirements (WDR) Permit Application and Supplemental Information package, including a check for $5,668.00 for the permit and surcharge fees, to the Regional Water Quality Control Board – Los Angeles Region (RWQCB) on behalf of Honeywell International Inc. (Honeywell). The WDR Permit Application Form 200 was requested by the RWQCB in a letter dated April 13, 2005. The supplemental information included in this package is presented in support of the permit application.

1.0 INTRODUCTION

This document has been prepared in support of a permit application to establish WDRs for the soil and groundwater remediation activities at the Former Honeywell North Hollywood Site (Site) using in-situ chemical reduction. The soil and groundwater remediation approach has been presented in a remediation plan titled, "Soil and Interim Groundwater Remedial Action Plan (SIGRAP), Former Honeywell North Hollywood Site" prepared by MWH, dated July 30, 2004 (Appendix A). The SIGRAP was approved by the RWQCB in a letter dated April 13, 2005 (Appendix B). The goals of the proposed soil remedial measures are to reduce mobile hexavalent chromium concentrations in the vadose zone to prevent these residual concentrations from further threatening groundwater quality. The goals for interim groundwater remediation are to provide for hydraulic control of the on-Site chromium plume and to reduce concentrations of dissolved chromium in groundwater.

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The WDR permit application Form 200 for in-situ chemical reduction has been prepared and is included as Appendix C. In addition, the Environmental Information Form, Part 1 of the Initial Study, has been prepared and included as Appendix D.

The following sections of this document provide summarized information regarding the Site background and remedial technology.

2.0 SITE HISTORY

The Site is located in the east-central part of the San Fernando Valley (SFV), approximately 14 miles northwest of downtown Los Angeles, California. It is bordered by Sherman Way to the north, Lankershim Boulevard to the west, various commercial/light industrial businesses to the east, and by the Southern Pacific Railroad right-of-way to the south. The present-day land use is commercial/retail, including office buildings owned and operated by Kaiser Permanente in the western part of the Site, a self-storage business owned and operated by Public Storage, Inc. in the central part of the Site, and a hardware store owned and operated by Home Depot, Inc. in the eastern part of the Site.

During the period from 1941 to 1992, the Site was used by the Bendix Corporation and later by AlliedSignal/Bendix Electrodynamics (Bendix was purchased by AlliedSignal, now known as Honeywell International Inc.) for the manufacture of hydraulic and pneumatic valves. Prior to its demolition in 1993, the Site included two main building complexes referred to as Plant 1 and Plant 2. Plant 1, which was constructed in 1941, was the larger of the two and was located in the central portion of the facility near the present-day Public Storage parcel and the western part of the Home Depot parcel. Plant 2, which was constructed in 1949, occupied the eastern portion of the facility and was located north and east of the current Home Depot building. After the plant buildings were razed, the Site was subdivided and re-developed as three separate parcels as discussed above. The western part of the Site, which was formerly used as a parking lot, was sold to Kaiser Permanente in 1991. The middle part of the Site was sold to Public Storage, Inc. in 1997. The easternmost part of the Site, which includes the former locations of Plant 2 and much of Plant 1, was sold to Home Depot in 1995.

Since the late 1980s, phased investigation and soil remediation efforts at the Site have been conducted in close coordination with the RWQCB. The early investigations focused primarily on evaluating the nature and extent of volatile organic compounds (VOCs) and metals in the subsurface at the Site. For many years, VOC-impacted groundwater in the site vicinity has formed the basis for the San Fernando Valley Superfund site (specifically, the North Hollywood Operable Unit. In late February 2003, the RWQCB issued Cleanup and Abatement Order (CAO) No. R4-2003-0037, which required the assessment of emerging chemicals and heavy metals (including total and hexavalent chromium) in the unsaturated and saturated zones beneath the Site. Additional Site characterization investigations followed. In July 2004, the SIGRAP was submitted to the RWQCB. The SIGRAP was approved in April 2005.

Historically, remediation activities at the Site have consisted of excavation. In 1994, Honeywell excavated approximately 120 cubic yards of soil from the former Plant 2 area. In 1997, chromium-impacted soil hotspots were removed from locations beneath Plant 1 using a bucket auger. Between December 1999 and March 2000 an additional 230 tons of chromium-impacted soil was removed from Plant 1 during redevelopment for the Public Storage facility.

3.0 HYDROGEOLOGIC SETTING

The Site is hydrogeologically situated in the San Fernando Valley Groundwater Basin, a part of the water management area known as the Upper Los Angeles River Area. Groundwater supply wells, such as the various well fields operated by the City of Los Angeles, comprise an important source of drinking water. Following the listing of parts of the Basin on the National Priority List in the 1980s, large-scale groundwater remediation projects have used groundwater extraction and aboveground treatment to address widespread contamination due to VOCs and nitrate.

The prevailing direction of the regional groundwater flow in the basin is toward the east-southeast, in the direction of the Los Angeles River Narrows. Groundwater extraction, either for water supply or remedial purposes, influences this pattern and can locally reverse the otherwise natural direction of groundwater flow. A detailed discussion of well fields near the Site is included in the attached SIGRAP.

Water levels measured in the on-Site groundwater monitoring wells indicated significant fluctuations since groundwater monitoring began in 1991. A significant rise in the water table (i.e., on the order of 40 to 50 feet) was observed during the period from 1993 to 1997. Detectable chromium in on-Site groundwater monitoring wells was not documented until 1998. The groundwater flow gradient beneath the immediate Site is relatively flat. Due to the influence of groundwater extraction in the surrounding well fields, local groundwater flow direction at the Site is highly variable and subject to pronounced changes from one monitoring event to another. The most recent Site groundwater monitoring report, "Groundwater Monitoring Report, First Quarter 2005," dated April 15, 2005, is included as Appendix E.

4.0 CHROMIUM IMPACTS TO SOIL AND GROUNDWATER

Historical releases from the former plating operations occurred primarily in the northern half of the plating facility in Plant 1. The aerial extent of elevated hexavalent chromium concentrations in soil covers an area of approximately 1,750 square feet centered around the location of plating tanks and areas of highest use within the plating room of Plant 1. In general, the lateral extent of elevated hexavalent chromium in soil is within the limits of the former plating facility. Migration from the point of release is primarily downward with little lateral spreading. The vertical extent of chromium impact is well defined with the majority of the contaminant mass primarily sorbed or contained-in the uppermost 50-feet of the vadose zone beneath the source area.

Groundwater was analyzed in select wells for hexavalent chromium beginning in July 1997. Honeywell conducted additional groundwater monitoring for total and hexavalent chromium in February 1998, July 1998, July 1999, and February 2001. The maximum concentration of total chromium detected during these sampling events was 5,810 micrograms per liter in the February 2001 sample from well GW-3. Historical analytical data including the February 2001 groundwater data were provided to the RWQCB in the, "Technical Report and Remedial Investigation Workplan for Chromium, Honeywell International, Inc." by Parsons, dated December 2001. In accordance with the RWQCB's February 21, 2003 CAO, Honeywell initiated quarterly groundwater monitoring, including sampling of all on-Site groundwater monitoring wells and testing for total and hexavalent chromium.

During First Quarter 2005, thirteen groundwater monitoring wells were sampled and analyzed for Title 22 metals, hexavalent chromium, and VOCs. Select wells were sampled and analyzed for 1,4-dioxane and perchlorate. The First Quarter 2005 Groundwater Monitoring Report is included as Appendix E. During this reporting period, the groundwater flow direction was to the northeast. Hexavalent chromium was detected in eight of the 13 wells at concentrations ranging from 0.002 milligrams per liter (mg/L) to 6.4 mg/L. VOCs were detected in all wells at relatively low concentrations, with higher concentrations in the southwest corner of the Site. In November 2004, Honeywell commenced installation of four off-Site monitoring wells to the south and southeast of the Site. Well installation and development activities were completed on April 29, 2005. All four wells have been completed as multi-screened wells with Barcad samplers to allow for discrete vertical groundwater sampling. A report detailing well installation, the results of soil and vertically-discrete groundwater samples collected during drilling, and initial groundwater samples collected after development will be submitted by June 30, 2005. The new off-Site wells were added to the routine groundwater monitoring program during Second Quarter 2005 and groundwater monitoring results will be presented in the Second Quarter 2005 Groundwater Monitoring Report which will be submitted to the RWQCB on July 15, 2005.

5.0 REMEDIAL TECHNOLOGY SUMMARY

The SIGRAP proposed an integrated approach to cleanup hexavalent chromium in the vadose zone, (thereby inhibiting future migration of chromium from the vadose zone into the underlying groundwater); cleanup chromium-impacted groundwater; and provide hydraulic control of the on-Site groundwater chromium plume.

The approach involves eliminating the 'reservoir' of mobile hexavalent chromium present in the contaminated soils by percolation of reductant solution from an infiltration basin. Such percolation will displace a portion of the mobile chromium from the vadose zone, but it will be captured by pumping of a recovery well within the 'footprint' of the soil contamination area. The recovered water will be treated and used as a source of supply for the infiltration solution.

Hydraulic control and in-situ reduction of chromium in the saturated zone under the Site will be achieved by pumping initially from one down-gradient well and one source area well and reinjection of the reductant-treated water in cross-gradient wells, thereby achieving lateral reduction of the plume within the on-Site plume areas. The reduction will also generate conditions optimal to microbiological reduction of hexavalent chromium and chlorinated solvents. A detailed discussion of the remedial approach is described in the attached SIGRAP.

Appendix F is a table summarizing MWH experience with respect to *in-situ* treatment of hexavalent chromium. Additional details on these projects, along with several RWQCB-issued WDRs and project documents were submitted by MWH to the RWQCB in the "Data Package to Support Proposed Remediation, Former Honeywell North Hollywood Site," dated June 2004.

Both Honeywell and MWH appreciate your attention to this project. If you have any questions or comments, or if you would like additional information, please feel free to contact Mr. Richard Thomasser at (707) 259-8657 or Ms. Lisa Hall at (714) 646-2001.

Sincerely,

MWH Americas, Inc.

Lisa A. Hall

Lisa A. Hall, P.E.
Principal Engineer

Richard Thomasser

Richard M. Thomasser, P.G.
Principal Hydrogeologist

Appendices

Check for $5,668.00 for Permit Fee (to Dixon Oriola only)

A SIGRAP (MWH, July 2004)
B SIGRAP Approval Letter (RWQCB, April 2005)
C WDR Permit Application Form 200
D Environmental Information Form, Initial Study Part 1
E Groundwater Monitoring Report, First Quarter 2005 (MWH, April 2005)
F MWH In-Situ Chromium Treatment Experience Summary

cc: Mr. Alex Lapostol, RWQCB
Mr. Benny DeHghi, Honeywell

USOCO1S01/Projects/Honeywell/North Hollywood/RWQCB Submittal of WDR and Supp. Info/L_RWQCB_WDR App_053105

APPENDIX A

SOIL AND GROUNDWATER INTERIM REMEDIATION PLAN
July 30, 2004

SOIL AND INTERIM GROUNDWATER REMEDIAL ACTION PLAN FOR REDUCTION OF HEXAVALENT CHROMIUM FORMER HONEYWELL NORTH HOLLYWOOD SITE 11600 SHERMAN WAY, NORTH HOLLYWOOD, CALIFORNIA

Prepared for

HONEYWELL INTERNATIONAL, INC.
2525 West 190th Street
Torrance, California

July 30, 2004

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LIST OF ACRONYMS AND ABBREVIATIONS

bgs	Below ground surface
CAO	Cleanup and Abatement Order
cfs	Cubic feet per second
CSM	Conceptual Site Model
CY	Cubic yard
E-Stop	Emergency stop
FML	Flexible membrane liner
ft^2/day	Square feet per day
ft/day	Feet per day
GAC	Granular activated carbon
gpm	Gallons per minute
Honeywell	Honeywell International, Inc.
IGWRAP	Interim Groundwater Remedial Action Plan
IRM	Interim Remedial Measures
K_{sp}	Hydroxide solubility product
MCL	Maximum Contaminant Level
ml	Milliliters
µg/L	Microgram per liter
MWH	MWH Americas, Inc.
NHOU	North Hollywood Operable Unit
NPL	National Priority List
OM&M	Operation, maintenance, and monitoring
ORP	Oxidation/reduction potential
OU	Operable Unit
PVC	polyvinyl chloride
RAP	Remedial Action Plan
RI	Remedial Investigation
ROWD	Report of Waste Discharge
RWQCB	Regional Water Quality Control Board – Los Angeles Region
SFV	San Fernando Valley
SIGRAP	Soil and Interim Groundwater Remedial Action Plan
Site	Former Honeywell Facility, 11600 Sherman Way, North Hollywood, California
SRB	Sulfate reducing bacteria
ULARA	Upper Los Angeles River Area
USEPA	United States Environmental Protection Agency
VOC	Volatile organic compound
WDR	Waste Discharge Requirement

SECTION 1.0

INTRODUCTION

This combined *Soil and Interim Groundwater Remedial Action Plan* (SIGRAP) has been prepared by MWH Americas, Inc. (MWH) on behalf of Honeywell International Inc. (Honeywell) in response to the requirements outlined in the Regional Water Quality Control Board – Los Angeles Region (RWQCB) letter dated May 27, 2003 pertaining to the Honeywell North Hollywood site located at 11600 Sherman Way, North Hollywood, California (Site). The location of the Site is shown on Figure 1.

This document presents a conceptual design for an integrated soil and interim groundwater remedial measure. The objectives of the proposed remedial action are:

- To reduce the mass of hexavalent chromium in the vadose zone, thereby inhibiting future migration of chromium from the vadose zone into the underlying groundwater;
- To reduce chromium concentrations in groundwater; and
- To provide hydraulic control of the on-Site groundwater chromium plume.

This combined SIGRAP supercedes remedial documents previously submitted to the RWQCB, but not approved by the RWQCB, as discussed in Section 1.3.

1.1 DOCUMENT ORGANIZATION

This document is organized as follows:

Section 1.0 Introduction describes the Site history, summarizes Site investigations and provides a Conceptual Site Model (CSM), which forms the basis for proposed remedial actions. Previously completed remedial actions are summarized and the objectives for further remedial action at the Site are discussed.

Section 2.0 Technology Overview describes the proposed soil and interim groundwater remedial action technology to be used at the Site. Experience gained with this technology at other sites is discussed, and a conceptual approach to implement the technology at this Site is presented.

Section 3.0 Pre-Implementation Considerations discusses activities that will be preformed in advance of implementing the proposed remedial action at the Site.

Section 4.0 Implementation Plan describes the remedial action plan including remedial design, construction, startup and operations, maintenance and monitoring of the proposed remedial measures.

Section 5.0 Remediation Goals discusses the expected results of implementing the proposed remedial measures at the Site. A discussion of remediation confirmation testing, designed to ensure remediation objectives for soil and groundwater are met, is presented.

Section 6.0 Schedule provides the schedule to implement the proposed remedial measures at the Site.

Section 7.0 References provides the references cited in the text.

1.2 SITE HISTORY

The Site is located in the east-central part of the San Fernando Valley (SFV), approximately 14 miles northwest of downtown Los Angeles, California (Figure 1). It is bordered by Sherman Way to the north, Lankershim Boulevard to the west, various commercial/light industrial businesses to the east, and by the Southern Pacific Railroad right-of-way to the south. The present-day land use is commercial/retail, including office buildings owned and operated by Kaiser Permanente in the western part of the Site, a self-storage business owned and operated by Public Storage, Inc. in the central part of the Site, and a hardware store owned and operated by Home Depot, Inc. in the eastern part of the Site.

During the period from 1941 to 1992, the Site was used by the Bendix Corporation and later by AlliedSignal/Bendix Electrodynamics (Bendix was purchased by AlliedSignal, now known as Honeywell International, Inc.) for the manufacture of hydraulic and pneumatic valves. Prior to its demolition in 1993, the facility included two main building complexes referred to as Plant 1 and Plant 2. Plant 1, which was constructed in 1941, was the larger of the two and was located in the central portion of the facility near the present-day Public Storage parcel and the western part of the Home Depot parcel. Plant 2, which was constructed in 1949, occupied the eastern portion of the facility and was located north and east of the current Home Depot building. After the plant buildings were razed, the Site was subdivided and re-developed as three separate parcels as discussed above. The western part of the former facility, which was formerly used as a parking lot, was sold to Kaiser Permanente in 1991. The middle parcel, which is also known as the Western Parcel, was sold to Public Storage, Inc. in 1997. The easternmost parcel, which includes the former locations of Plant 2 and much of Plant 1 and is also known as the Eastern Parcel, was sold to Home Depot in 1995. Figure 2 illustrates the present-day layout of the Site, as well as the approximate location and boundaries of Plants 1 and 2 (Groundwater Technology, Inc. [GTI] 1992; Parsons 2004b).

1.3 REGULATORY HISTORY

Since the late 1980s, phased investigation and soil remediation efforts at the Site have been conducted in close coordination with the RWQCB, the lead regulatory agency. These early investigations focused on evaluating the nature and extent of volatile organic compounds (VOCs) and metals in the subsurface at the Site.

For many years, VOC-impacted groundwater in the site vicinity has formed the basis for the SFV Superfund site (specifically, the North Hollywood Operable Unit (NHOU). Honeywell settled out of court for all VOC-related issues specific to the Public Storage and Home Depot Parcels with the United States Environmental Protection Agency (USEPA) and the State of California in 1996.

In 2001, the RWQCB requested the preparation and submittal of a technical report containing, among other things, a summary of all available chromium analytical data at the Site (RWQCB 2001a). In response, Honeywell submitted a *Technical Report and Remedial Investigation Workplan for Chromium* to the RWQCB on December 7, 2001 (*RI Workplan*; Parsons 2001). The document provided the requested summary and set forth a proposed program of chromium assessment for soil and groundwater.

In late February 2003, the RWQCB issued Cleanup and Abatement Order No. R4-2003-0037 (CAO; RWQCB 2003), which required the assessment of emerging chemicals and heavy metals (including total and hexavalent chromium) in the unsaturated and saturated zones beneath the Site. Because the previously submitted *RI Workplan* addressed many of the assessment requirements contained in the CAO, an *Assessment Workplan Addendum* that addressed the Board's new requirements was prepared and submitted on March 31, 2003 (Parsons 2003a). The RWQCB provided comments on the December 7, 2001 *RI Workplan* and the March 31, 2003 *Assessment Addendum Workplan* in a letter dated May 27, 2003 (RWQCB 2003). In its letter, the RWQCB required an expanded assessment of soil and groundwater and the preparation and submittal of a revised RI Workplan and an interim groundwater Remedial Action Plan (RAP) by June 30, 2003.

In response to the request for an expanded assessment for soil, Honeywell submitted the *Revised Remedial Investigation Workplan for Chromium and Emerging Chemicals*, dated June 30, 2003 (Parsons 2003d). On October 23, 2003, the RWQCB approved the Revised Workplan with some modifications (RWQCB 2003c). In the same letter, the RWQCB also requested preparation of a Vadose Zone RAP. This workplan included drilling of 12 soil borings and the installation of a well pair to determine the lateral and vertical extent of chromium in the Plant 1 source area. The work was executed at the end of 2003 and the results were provided in the report *Remedial Investigation Report for Chromium and Emerging Chemicals*, dated February 27, 2004 (Parsons 2004a).

To address the RWQCB requirement for groundwater interim actions, Honeywell submitted the *Interim Groundwater Remedial Action Plan for Chromium* (IGWRAP), dated June 30, 2003 (Parsons 2003c). This IGWRAP called for groundwater treatment by *in-situ* methods at the source area and temporary hydraulic containment along the site boundary. However, Honeywell did not receive any response regarding this document. Honeywell also submitted an *Interim Remedial Measures (IRM) Workplan for Soil* on April 15, 2004 (Parsons 2004b). The proposed interim measures described in these documents have not been implemented to date and soil and interim groundwater remedial actions are being addressed by this SIGRAP. Since submittal of the IGWRAP and *IRM Workplan for Soil*, Honeywell has evaluated other potential *in-situ* technologies and contracted MWH to evaluate methods to address the chromium-related issues. In response to Honeywell's request, MWH proposed to combine the soil and interim on-Site groundwater remedial actions. This combined *Soil and Interim Ground Water Remedial Action Plan* supercedes the previously submitted IGWRAP and *IRM Workplan for Soil.*

1.4 CONCEPTUAL SITE MODEL

The results of the investigations completed to date have been used to develop a CSM for the Site. The CSM, which includes information on the local hydrogeological setting and the extent of soil and groundwater contamination, is described below in Section 1.4. The CSM forms the basis for soil and interim groundwater remedial actions, which are described in Section 2.0

1.4.1 Regional Hydrogeology

The Site is located in the SFV Basin, which is bounded on the north and northwest by the Santa Susanna Mountains; on the north and northeast by the San Gabriel Mountains; on the east by the Verdugo Mountains and San Rafael Hills, on the south by the Santa Monica Mountains, and on the west by the Simi Hills. The Basin is a Holocene-age sedimentary basin that contains unconsolidated alluvial deposits up to 1,000 feet thick. Stratigraphic boring logs developed during previous bore-hole investigations indicate that the alluvium in the unsaturated zone is dominated by interbedded sand, gravelly sand, sandy gravel, and gravel strata. Geologic cross-sections illustrating these stratigraphic relationships were previously presented in the *RI Workplan* (Figures 2-1 through 2-4 in the *RI Workplan*; Parsons 2001). These cross-sections are presented in Appendix A of this report.

The Site is hydrogeologically situated in the SFV Groundwater Basin, a part of the water management area known as the Upper Los Angeles River Area (ULARA). Water rights in the basin were adjudicated by court decree in the late 1960s. Since that time, groundwater extractions have been administered by a court-appointed basin watermaster. Groundwater in the basin is replenished by percolation/infiltration from rainfall, surface runoff, and from recharge utilizing imported water and detained storm water. Significant amounts of groundwater are extracted from the basin through dewatering projects, groundwater supply wells, and groundwater remediation projects. Groundwater supply wells, such as the various well fields operated by the City of Los Angeles, comprise an important source of drinking water. Following the listing of parts of the Basin on the National Priority List (NPL) in the

1980s, larger-scale USEPA directed groundwater remediation projects such as the Glendale Operable Unit (OU), Lockheed-Burbank OU, North Hollywood OU, and Pollock and Headworks Well Treatment Plants, used groundwater extraction and aboveground treatment to address widespread contamination due to VOCs and nitrate (ULARA 2001).

The prevailing direction of the regional groundwater flow in the basin is toward the east-southeast, in the direction of the Los Angeles River Narrows. Groundwater extraction, either for water supply or remedial purposes, influences this pattern and can locally reverse the otherwise natural direction of groundwater flow. Although changes in total basin extraction or recharge and/or variations in seasonal precipitation can result in water table fluctuations, the single largest influence on groundwater elevations and local flow is regional pumping. Water supply wells in the Site vicinity often operate on demand and their combined effect on the water table can be difficult to predict. The North Hollywood Well Field, an east-west array of water supply wells located south of the Site and one of ten designated production well fields in the San Fernando Valley, consists of 29 extraction wells with a combined extraction capacity of 129 cubic feet per second (cfs) or approximately 20,000 acre-feet per year. The North Hollywood OU Treatment Facility (also referred to as the North Hollywood Aeration Facility) extracts and treats groundwater from a northwest-trending network of eight aeration wells. Finally, the Rinaldi-Toluca Well Field, a production well field located northwest of the Site, has an extraction capacity of approximately 30,000 acre-feet per year (Hydrologue 1997).

Based on aquifer pumping tests conducted by ULARA Watermaster in extraction wells near the Site, the transmissivity and hydraulic conductivity of the upper aquifer is high, ranging from 4,950 to 8,560 square feet per day (ft^2/day) and from 30 to 140 feet per day (ft/day), respectively. A pumping test in nearby water supply well #3810U yielded similar estimates - a transmissivity of 7,220 ft^2/day and hydraulic conductivity of 100 ft/day assuming an aquifer thickness of 72 feet (JMM 1992).

Drawdown measurements during recent well purging and published aquifer hydraulic properties for water supply wells in the central part of the Basin provide an indication of the probable response to pumping in on-Site monitoring wells. During groundwater monitoring in March and June 2003, a submersible pump was used to purge the wells prior to sampling; the pumping rates ranged from 1 to 1.5 gallons per minute (gpm) and the resultant drawdown varied between 0.04 and 1.6 feet. Based on these data, the inferred specific capacity varied from less than 1 gpm/ft to approximately 46 gpm/ft, with a mean value that was within the range of published specific capacities for water wells in the Site vicinity (JMM 1992). Using the published aquifer test data from nearby water supply well #3810U and methods developed by Javendel and Tsang (1986) and assuming a nominal 30 gpm pumping rate, an anticipated drawdown of approximately 1 foot and a capture zone width of approximately 200 feet to either side of the pumping well was calculated.

Water levels measured in the on-Site groundwater monitoring wells indicated significant fluctuations since groundwater monitoring began in 1991. A significant rise in the water table (i.e., on the order of 40 to 50 feet) was observed during the period from 1993 to 1997. Detectable chromium in on-site groundwater monitoring wells was not documented until

1998. The groundwater flow gradient beneath the immediate site is relatively flat. Due to the influence of groundwater extraction in the surrounding Rinaldi-Toluca, North Hollywood, and North Hollywood OU well fields, local groundwater flow direction at the Site is highly variable and subject to pronounced changes from one monitoring event to another, with indicated flow ranging from west-northwest to northeast.

1.4.2 Nature and Extent of Contamination

This section discusses the current understanding regarding the nature and extent of contamination in soil and groundwater at the Site.

1.4.2.1 Chromium Impacts in Soil. Historical releases from the former plating operations occurred primarily in the northern half of the plating facility in Plant 1. The aerial extent of elevated hexavalent chromium concentrations in soil covers an area of approximately 1,750 square feet centered around the highest concentrations that have been documented in soil borings PBP1-01 and SBP1-073. The primary source area is located within and north of the proposed excavation area outlined in the *IRM Workplan for Soil* (Parsons 2004b). From observations made prior to and during decommissioning of the plating facility, these locations are consistent with the location of plating tanks and areas of highest use within the plating room of Plant 1 (Figure 3 and Appendix B).

In general, the lateral extent of elevated hexavalent chromium in soil is within the limits of the former plating facility. Migration from the point of release are primarily downward with little lateral spreading. This is consistent with the overall coarse granular nature of the subsurface lithology within the Upper Zone of the SFV Groundwater Basin. Elevated concentrations in shallow soils at 5 feet below ground surface (bgs) observed in soil borings SBP1-037 and SBP1-008 (east and southwest of the source area, respectively) are interpreted to represent lateral flow from the source area along a preferential pathway, possibly related to migration in fill material. Remedial investigation boring PBP1-04, drilled closer to the plating room than SBP1-008, did not encounter elevated concentrations at the same depth and, therefore, the relatively low concentrations further from the source than this boring are not considered significant.

The vertical extent of chromium impact is well defined with the majority of the contaminant mass primarily sorbed or contained-in the uppermost 50-feet of the vadose zone beneath the source area. Deeper evidence of impact of the release is discontinuous and "blotchy," with some evidence of impact extending horizontally from the cylindrically shaped soil plume. There is also evidence of elevated hexavalent chromium concentrations below sections of clean soil within the soil column (e.g., soil borings PBP1-02 at 50-feet and SBP1-038B below 40-feet).

The recent *RI Report for Chromium and Emerging Chemicals* (Parsons 2004a) documented zones of higher concentration that correlate to finer grained material within the soil column. This would result from the relatively greater moisture-holding capacity of the fine-grain material, relative to coarser sands and gravels. The hexavalent chromium in the vadose zone is actually present as dissolved hexavalent chromium in soil moisture, and not as hexavalent

chromium sorbed onto aquifer solids. For this reason, the more moist materials appear to be higher in hexavalent chromium concentration. This illustrates the difficulty of using soil samples alone for determination of hexavalent chromium contamination in vadose zone material (Rouse, Davies, DeSantis, and Hutton 2001). Because the finer-grained zones also hold more moisture, they tend to cause 'perching' and lateral spread of contamination, which in turn causes the horizontal splays away from the main body of the plume. However, despite these horizontal splays, the recent deep borings did not discover a significant horizontal migration component that would indicate the footprint of soil impacts is significantly larger at the soil/groundwater interface.

1.4.2.2 Chromium Impacts in On-Site Groundwater. In 1991, six groundwater monitoring wells were installed in the Eastern and Western Parcels (GW-1, -2, and -3 in the Western Parcel and GW-4, -5, and -6 in the Eastern Parcel) and in 1993, four additional wells were installed in the adjacent Kaiser Parcel (GW-7, -8, -9, and -10). The location of these wells is shown on Figure 4. Groundwater was analyzed in select wells for total chromium beginning in August 1993 and for hexavalent chromium beginning in July1997. During the August 1993 groundwater sampling event, the total chromium concentrations measured ranged from <10 micrograms per liter (µg/L) to 12 µg/L.

Additional groundwater samples were collected from wells GW-3 and GW-4 in July 1997 and in February 1998 and were analyzed for total and hexavalent chromium. The total chromium concentrations measured in samples collected from wells GW-3 and GW-4 were 1,400 µg/L and 43 µg/L, respectively. These samples were not filtered. Subsequent comparisons of laboratory-filtered, field-filtered, and unfiltered samples did not show a consistent bias towards either sampling method. Honeywell conducted additional groundwater monitoring for total and hexavalent chromium in July 1998, July 1999, and February 2001. The maximum concentration of total chromium detected during these sampling events was 5,810 µg/L in the February 2001 sample from well GW-3. Historical analytical data including the February 2001 groundwater data were provided to the RWQCB in December 2001 (Parsons 2001).

In accordance with the RWQCB's February 21, 2003 CAO and the May 27, 2003 review comments for the December 2001 *RI Workplan*, Honeywell initiated quarterly groundwater monitoring, including sampling of all on-Site groundwater monitoring wells and testing for total and hexavalent chromium. Quarterly monitoring reports presenting the results of sampling are routinely submitted.

Most of the wells whose total chromium concentrations exceeded the California Maximum Contaminant Level (MCL) in the February 2001 sampling event generally have shown significant decreases since that event. These changes could be related to lowered water table elevations in response to regional pumping activity and/or variations in seasonal precipitation and recharge (i.e., the groundwater elevations had dropped roughly 10 feet from February 2001 to March 2004).

As discussed above, as part of the recent additional remedial investigation, Honeywell installed a shallow and deep well pair (GW-14A and GW-14B) in the Plant 1 soil source area. The purpose of these wells was to determine the vertical extent of chromium impact in the source area. The June 2004 sample from deeper well GW-14B (screened from 285 to 312 feet bgs) showed no detectable concentration of hexavalent chromium. Shallower well GW-14A (screened from 255 to 285 feet bgs) exhibited 280 µg/L hexavalent chromium.

In addition, in 2004, well GW-15 was installed as part of planned interim remedial actions. This well was completed to potentially be used as a groundwater extraction well to establish hydraulic control of on-Site chromium impacts in groundwater. The results of the most recent quarterly groundwater sampling demonstrate that GW-15 has the current highest chromium concentrations (1,800 µg/L) in on-Site groundwater monitoring wells.

The 13 existing on-Site groundwater monitoring wells define the lateral and vertical extent of chromium impacts in on-Site groundwater. Figure 5 illustrates the extent of the on-Site chromium plume in groundwater as interpreted from data collected during the June 2004 sampling event.

1.4.2.3 Regional Detection of Chromium in Groundwater. The identification and remediation of hexavalent chromium in soil and groundwater has been a topic of interest in the SFV Basin since 1998 when the ULARA Watermaster reported the first impacts to extraction wells associated with the Superfund clean-up in the SFV. The RWQCB has implemented a basin-wide evaluation of potential chromium sources through the current phase of its Well Investigation Program, which began in 2001.

As discussed in Section 1.4.1, groundwater in the SFV Basin generally flows in a southeastern direction towards the Los Angeles River Narrows under natural (non-pumping conditions). The groundwater bearing zones beneath the Site are highly permeable and have relatively high transmissivity.

The hydrologic dynamics of the Site have been affected by historical pumping from nearby extraction wells within the NHOU. Review of the historical total and hexavalent chromium concentrations detected in the monitoring wells located on the Site reveal that chromium concentrations as well as groundwater gradient and flow direction vary between groundwater monitoring events.

Generally, chromium impacts emanating from the soil/groundwater interface below the source area appear to extend to the south-southwest (Figure 5). The downgradient (off-Site) extent of chromium impacts from the Site has not yet been defined. Honeywell has prepared a *Revised Workplan Amending Revised Remedial Investigation Workplan Dated June 2003* for installation of off-Site wells (Parsons 2004d) that has been submitted to and approved by the RWQCB.

1.4.2.4 Volatile and Emergent Chemicals in Groundwater. As discussed in the *Second Quarter 2004 Quarterly Groundwater Monitoring Report* (Parsons 2004c), selected wells at the Site are sampled and analyzed for two organic emergent chemicals, 1,4-dioxane and perchlorate. Figure 6 illustrates the concentrations of these compounds in groundwater in June 2004. In general concentrations of these compounds are low. Perchlorate is only detected slightly in excess of the method detection limit (2 μg/L) in three of six wells in which samples were analyzed. The highest concentration detected was 3.1 μg/L. Concentrations of 1,4-dioxane was detected in each of the six wells in which samples were analyzed, ranging from 4.8 to 8.1 μg/L. Based on the widespread low detection of 1,4-dioxane, it is not clear that the concentrations are representative of a source at the Site or rather just background groundwater conditions. Treatment for organic chemicals is not the focus of this SIGRAP. Nonetheless, the presence of low levels of these compounds in groundwater has been considered with respect to the proposed remedial measures for chromium. This is discussed further in Sections 3.0 and 4.0.

1.5 HISTORICAL AND PROPOSED REMEDIAL ACTION

In 1994, Honeywell excavated approximately 120 cubic yards (CY) of soil from the former Plant 2 area. In 1997, as part of the Western Parcel closure, chromium-impacted soil hotspots were removed from locations beneath Plant 1 using a bucket auger. Between December 1999 and March 2000 an additional 230 tons of chromium-impacted soil was removed from Plant 1 during the redevelopment of the area for the Public Storage facility. The location of the Plant 1 previous soil excavation is shown in Figure 3.

1.6 REMEDIAL ACTION OBJECTIVE

This combined SIGRAP calls for an integrated approach to:

- Cleanup of hexavalent chromium in the vadose zone, thereby inhibiting future migration of chromium from the vadose zone into the underlying groundwater;
- Cleanup of chromium-impacted groundwater; and
- Provision for hydraulic control of the on-Site groundwater chromium plume.

The approach involves eliminating the 'reservoir' of mobile hexavalent chromium present in the contaminated soils by percolation of reductant solution from an infiltration basin. Such percolation will displace a portion of the mobile chromium from the vadose zone, but it will be captured by pumping of a recovery well within the 'footprint' of the soil contamination area. The recovered water will be treated and used as a source of supply for the infiltration solution.

Hydraulic control and *in-situ* reduction of chromium in the saturated zone under the Site will be achieved by pumping initially from one down-gradient well and one source area well and reinjection of the reductant-treated water in cross-gradient wells, thereby achieving lateral reduction of the plume within the on-Site plume areas. The reduction will also generate conditions optimal to microbiological reduction of hexavalent chromium and chlorinated solvents. The proposed remedial approach is described in Section 2.0.

SECTION 2.0

OVERVIEW OF PROPOSED REMEDIAL TECHNOLOGY

2.1 CHROMIUM GEOCHEMISTRY AND ENVIRONMENTAL FATE

The impact of chromium contamination on soil and groundwater is primarily controlled by the oxidation state of the metal, which affects its solubility. The two most common oxidation states of chromium are trivalent chromium (Cr^{+3}) and hexavalent chromium (Cr^{+6}). These two oxidation states have significantly different potential environmental impacts. Trivalent chromium is a relatively non-toxic ion and an essential nutrient with no carcinogenic properties, while hexavalent chromium is toxic and a known inhalation carcinogen. The chemical properties of these two oxidation states also differ widely. Trivalent chromium generally exists as a cation, is virtually insoluble above a pH of 6.2 with a hydroxide solubility product (K_{sp}) of 6.0×10^{-31}, and is a relatively non-reactive metal ion. Conversely, hexavalent chromium exists as a soluble anion, is a strong oxidizing agent, and is highly mobile in the subsurface environment due to its solubility.

When hexavalent chromium is released into the environment, the ion generally passes through the overlying soil column before reaching the groundwater. During this passage, some of the hexavalent chromium may be reduced to trivalent chromium by naturally occurring ferrous iron or soil organic matter. The result is that the trivalent chromium becomes immobilized, while the remaining hexavalent chromium, dissolved in soil moisture or present as secondary chromate minerals, is slowly leached from the soil into the groundwater. Significant concentrations of hexavalent chromium in groundwater generally result when a release of chromate (or dichromate) solution is persistent enough to exceed the natural reducing capability of the soil. This is the situation that exists at the North Hollywood Site.

2.2 *IN-SITU* REDUCTION OF HEXAVALENT CHROMIUM

Hexavalent chromium is a strong oxidant, and can be reduced to the trivalent form by many electron donors such as carbonaceous matter, ferrous iron minerals, and reduced sulfur. Soil containing carbonaceous matter can reduce hexavalent chromium by the reaction

$$2Cr_2O_7^{-2} + 3C + 16H^+ \rightarrow 4Cr^{+3} + 3CO_2 + 8H_2O$$

The trivalent chromium forms chromium hydroxide, which binds to the aquifer solids. The reduction is facilitated by sulfate reducing anaerobic microorganisms, which use sulfate and carbon as a part of their life system, producing HS^- ion, which also reduces hexavalent chromium to the trivalent form.

Hexavalent chromium can be reduced to the trivalent form by ferrous iron, either in solution or in various ferrous-bearing silicates such as olivene, amphibolites, micas, and chlorites.

A proposed reaction for the reduction of hexavalent chromium by ferrous biotite is given by Palmer and Puls (1994) as

$$[Fe(II), K^+]biotite + Fe^{+3} \rightarrow [Fe(III)]biotite + K^+ + Fe^{+2}$$

The resultant ferrous ions in solution react with hexavalent chromium according to

$$HCrO_4^- + 3Fe^{+2} + 7H^+ \rightarrow Cr^{+3} + 3Fe^{+3} + 4H_20$$

The trivalent chromium and iron forms oxyhydroxides, which sorb to the aquifer. The second reaction of ferrous iron with hexavalent chromium would be applicable in the case of direct addition of ferrous iron, or with the reduction of ferric iron to the ferrous state by reaction with reduced sulfur species such as with the addition of a chemical reductant like calcium polysulfide.

When calcium polysulfide is added to water, it forms a number of reduced species. The most important is sulfide ion ($S^=$) in the form of HS^- or H_2S, depending on the water pH. It also forms thiosulfate $(S_2O_3)^=$ ion. The reaction products of the reaction with hexavalent chromium is either elemental sulfur or sulfate ion. Sulfate ion, in turn, is reduced to the sulfide ion under anoxic conditions by the action of sulfate-reducing bacteria (SRB) in the presence of sufficient carbon. It is thus obvious that no one reaction can be the most important, but rather, there is a complex series of inorganic reactions and biological processes. Further, the polysulfide reduces ferric iron to the ferrous state, which is known to be an effective reductant for hexavalent chromium. The ferrous ion also reacts with sulfide ion to form insoluble iron sulfides. These are effective scavengers of dissolved metals.

In-situ chromium treatment techniques involve reducing hexavalent chromium to trivalent chromium, and then relying on the differences in chemical properties between the two forms. For *ex-situ* treatment processes such as electrochemical precipitation, the resulting trivalent chromium precipitate is removed as sludge from the system. For *in-situ* treatment processes, trivalent chromium will become immobilized in the subsurface thereby reducing dissolved chromium concentrations in the groundwater. The introduction of a reducing agent such as calcium polysulfide, or the generation of reducing conditions in the subsurface under the appropriate conditions, can bring about the *in-situ* reduction of hexavalent chromium. The resultant precipitates have very low solubility, and therefore, are essentially immobile in the aquifer.

2.3 EXPERIENCE GAINED AT OTHER SITES

As described by Rouse (2001), MWH personnel have conducted similar remedial programs at chromium sites under varied geohydrological regimes. This has led to the development of a valuable experience base in the application of this innovative technology.

A summary of other sites where *in-situ* remediation has been performed was provided to the RWQCB in a submittal dated June 29, 2004 (MWH 2004).

In general, there are two key elements to a successful *in-situ* remedial program:

- Selection of the appropriate reductant solution, considering site geochemistry, and
- Design of the proper reductant delivery system to ensure contact of the contaminant with the reductant.

Several reductants have been used to reduce hexavalent chromium to the trivalent form, including ferrous iron, metabisulfite, dithionite and polysulfide. Ferrous iron is effective, but the resultant ferric hydroxide forms precipitates, which plug pore spaces; and the oxidation of ferrous ions to ferric ions generates acidic conditions, which may have adverse effects. Metabisulfite ion forms high concentrations of sulfate, as does dithionite. Polysulfide, by contrast, has shown greater effectiveness, due to the formation of sulfide ion, part of which forms elemental sulfur when it reacts with hexavalent chromium. The stimulation of sulfate reduction further enhances its effectiveness in saturated conditions.

A key factor to mixing an effective reductant solution is to evaluate the solution density relative to the ambient conditions. For unsaturated conditions, it is proper to use a solution with a density significantly higher than that of water, to aid in percolation and vadose-zone fluid displacement. Solutions applied to the saturated zone should not be much more dense than ground water to avoid the formation of density currents in which the reductant can sink without contacting contaminated upper portions of the saturated zone.

Reductant delivery can take the form of infiltration from the surface (basin); introduction through permanent or temporary wells; or introduction through direct-push technology under high pressures to achieve solution migration and perhaps to induce horizontal fractures. Each of these are described below:

Surface Basin: Basins are well-adapted to treating vadose zone material. The gravel in the basin has the ability to receive secondary precipitates without plugging (as can happen with wells); however, a basin also allows for oxygen input to the subsurface and consumption of the reductant. There also may be a "lag" of weeks to months before the solution migrates to the saturated zone.

Wells: Introduction of the reductant solution through permanent or temporary wells works well in highly permeable sediments, but are prone to fouling by the formation of secondary precipitates from the reductant solution, which is at or above the solubility of calcium carbonate.

Direct-Push: Introduction of the reductant solution through grid-based, direct-push technology is well suited to the introduction of reductant solution to the saturated zone and capillary fringe, in low-permeability silts and clays. Using high pressure with this method

actually forms sub-horizontal fractures, which allow the reductant solution to migrate laterally from the introduction point, and then diffuse between the fractures.

The existing data on soil contamination in the vadose zone at the North Hollywood Site is based on soil sampling and analysis. As described by Rouse (2001), experience has shown that much of the hexavalent chromium is actually present as dissolved chromate ion in the vadose-zone fluid. Monitoring changes of hexavalent chromium concentrations in vadose-zone fluid is best accomplished through clusters of pressure/vacuum lysimeters. Such clusters also would allow for determination of the rate of advance of a reducing front.

2.4 CONCEPTUAL DISCUSSION OF PROPOSED APPROACH

As discussed, MWH proposes to conduct an integrated approach to the *in-situ* reduction of hexavalent chromium contamination in the vadose zone with interim remediation of on-Site groundwater contamination. Figure 7 illustrates this conceptual approach, which is described in further detail below.

To address chromium impacts in the vadose zone, a subgrade infiltration basin will be constructed in the area of known soil contamination. The basin will consist of an excavation completed below any existing fill material, and will be backfilled with gravel, to serve as a means of lateral spreading of the solution across the area of contamination. Levels of solution in the basin will be controlled by means of standpipes installed in the gravel, to permit measurement of solution level. Water for the infiltration basin will be obtained from groundwater recovery wells within the footprint of the infiltration basin and at the downgradient extent of the on-Site plume. The groundwater is anticipated to be contaminated with hexavalent chromium, and in the case of the well beneath the infiltration basin, to become more contaminated as a result of the plug-flow displacement of contaminated vadose-zone soil moisture by the infiltrating solution.

The extracted groundwater will be treated and dosed with reductant, the resultant trivalent chromium hydroxide precipitate removed by settling, the water dosed with additional reductant, and the treated water discharged into the infiltration basin. The rate of advance of the reductant solution will be monitored by clusters of pressure/vacuum lysimeters installed at locations throughout the basin. Once the reductant solution reaches the groundwater, hexavalent chromium (and other reducible species including nitrate, iron, manganese, and arsenic) will react with the reductant. The result will be a sharp decrease in concentrations of hexavalent chromium and nitrate, but a temporary increase in the concentration of iron, manganese and arsenic, as ferric hydroxide is dissolved from the aquifer solids and the co-precipitated manganese and arsenic adjusts to the newly-created geochemical environment. Experience at other sites has shown this mobilization to be temporary, and this temporary mobilization is what is expected at this Site.

In addition to extraction from one well in the source area, interim groundwater remediation will also be accomplished by pumping initially from one down-gradient well, treating the recovered water as described above by the addition of reductant, and removing the chromium hydroxide precipitate by settling. Excess water, beyond that required for infiltration needs, will be injected

into cross-gradient wells. This will result in reduction of hexavalent chromium across the plume, as the reaction front advances from the point of injection to recovery.

While much of the reduction of hexavalent chromium is accomplished by inorganic reactions, MWH experience has shown that there are beneficial aspects to the introduction of carbon sources into the treated water, especially into the water to be reinjected into the saturated zone. These benefits include the decrease in sulfate ion concentrations by means of the actions of SRB, and the generation of conditions suitable for the reductive dechlorination of chlorinated solvents. Accordingly, the treated water to be injected into the cross-gradient injection wells and potentially infiltrated in the vadose zone, will be amended by the addition of food-grade carbon sources such as corn syrup, edible oils, or other similar compound.

SECTION 3.0

PRE-IMPLEMENTATION CONSIDERATIONS

The following sections describe activities that will be conducted prior to implementation of the soil and interim groundwater remedial actions.

3.1 ACCESS AGREEMENTS

Permission for placement of all components of the remedial system will have to be obtained from the current property owners. It is envisioned that components of the proposed soil and interim ground water remedial system will be installed on each of the current Home Depot, Public Storage and Kaiser Permanente parcels. The approximate location of remedial system components is described in further detail in Section 4.0. The actual location of all components will be determined through detailed design activities.

3.2 PERMITTING

The implementation of the proposed soil and interim groundwater remedial action will require the issuance of a Waste Discharge Requirements (WDR) Order by the RWQCB. Upon approval of this SIGRAP, Honeywell will submit a Form 200 Report of Waste Discharge (ROWD) to the RWQCB.

Well construction permits will be obtained from the Los Angeles County Department of Health Services for any additional wells that may be installed.

Construction of the treatment system components will require building permits from the City of North Hollywood and possibly from County of Los Angeles Fire Department.

3.3 ORGANIC CONTAMINANTS IN GROUNDWATER

As described in Section 1.4, low levels of organic compounds, including the emerging contaminants 1,4-dioxane and perchlorate, are detected in on-Site monitoring wells. Although the detection of these compounds in not likely related to an on-Site source of contamination, the design of the proposed remedial action will consider the presence of these compounds in the influent and effluent streams from the treatment system. Specifically, the remedial approach shall be designed so that it does not acerbate the current conditions or contribute to the spread of these contaminants to non-impacted areas.

During detailed design, an evaluation of influent and effluent concentrations of non-targeted contaminants will be considered as well as potential treatment approaches, if needed.

3.4 PILOT TESTING

Prior experience with *in-situ* reduction of hexavalent chromium in the vadose and saturated zones enables MWH to reduce the amount of pre-design testing; however, a limited amount of bench and field scale testing, as described below, is needed to ensure an effective, Site-specific remedial design.

3.4.1 Reductant Selection and Soil and Groundwater Reductant Demand

MWH experience has shown calcium polysulfide solution to be the most effective reductant for reduction of hexavalent chromium in contaminated soil and groundwater. In the case of groundwater contamination, the addition of a carbon source, such as corn syrup or an emulsion of edible oils, aids in promotion of the growth of SRB, which tends to enhance degradation of chlorinated solvents, and prevents excessive sulfate concentrations in the groundwater.

Nonetheless, to ensure an effective Site-specific remedy, bench-scale scoping tests using Site groundwater samples will be conducted to select the most effective reductant and the appropriate dosing rates for treatment of hexavalent chromium impacted groundwater. This information is important during the design to size a chemical feed pump and estimate chemical usage rates, as well as provide proof of concept.

The groundwater samples for bench-scale testing will be obtained from well GW-10 or GW-15, which contain the highest concentrations of hexavalent chromium. Samples will be placed in beakers and dosed with varying quantities of three inorganic reductants (calcium polysulfide, metabisulfite, and ferrous iron) to select the optimal dosage that ensures treatment for a given dissolved-phase concentration. Measurements will be made for pH and oxidation/reduction potential (ORP), and hexavalent chromium. This will verify the effectiveness of the various reductants, and provide dose rate information and information on groundwater reductant demand.

Once the reductant and dose rate are selected, a 2-liter sample of the contaminated water will be dosed with the selected reductant. After mixing, 1 liter will be placed in a 1-liter sedimentation flask, to determine settling rate of the solids. The other liter will be sent to an analytical laboratory to evaluate the concentration of hexavalent chromium, nitrate, and other reducible species.

A sample of contaminated soil from the source area will be used to assess contaminated soil reductant demand. In this testing, a slurry will be prepared, using the contaminated soil sample and Site groundwater collected from a non-impacted well. A portion of the slurry will be sent to an analytical laboratory where it will be analyzed for dissolved hexavalent chromium by EPA Method 7199; for iron, manganese, and arsenic by EPA Method 6010B, and for sulfate by EPA Method 300.0, and sulfide by EPA Method 376.2. The slurry will be divided into a number of sub-samples and dosed with varying concentrations of the selected reductant. Field measurements of slurry ORP will be made, to provide data on the required reagent dose required to achieve generation of reduced conditions. Measurements will be repeated on an hourly basis

for at least 4 hours, to determine long-term trends. In addition, the concentrations of dissolved chromium will be determined in the field with HACH field test kits. A laboratory sample will then be prepared by dosing a soil sample with the selected reductant dosage, and submitting the sample for analysis of dissolved hexavalent chromium by EPA Method 7199; iron, manganese, and arsenic by EPA Method 6010B; and sulfate by EPA Method 300.0; and sulfide by EPA Method 376.2. The results of the soil testing will provide information on soil reductant demands. Appendix C contains protocols for the above scoping tests.

3.4.2 Infiltration Test

A key component of the proposed approach to remediation of contaminated soil in the source area is the ability to infiltrate reductant solution from the near-surface to the water table. This is controlled by the local geology and cannot be accurately replicated in the laboratory. Therefore, prior to the detailed design of the infiltration basin, MWH will conduct a clean-water, Site-specific infiltration test to evaluate the infiltration rate and changes over time. The test will be conducted away from the source area so as not to displace chromium impacted soil pore water.

3.4.2.1 Basin Construction. The test will require cutting an approximate 10-foot by 10-foot square in the concrete pavement southwest corner of the Public Storage property. This is away from major traffic/use areas and in an area without soil impacts. The concrete will be removed and disposed. The 10-foot by 10-foot area will be excavated through fill material to native soil, estimated to be less than 4 feet bgs. The soil will be stockpiled nearby on plastic and covered with plastic. Temporary fencing and barricades will be placed around the excavation to prevent accidental entry.

Some infiltration through the side-walls will occur in both the full-scale and test basins, slightly expanding the treatment area; however, the impact of this on the apparent infiltration rate will be much larger in the test basin than the full size basin because of the higher ratio of side surface area to floor area in the test basin. The rate of side-wall infiltration also varies with depth (hydraulic head) and may be impacted by geologic stratification. As a result, it significantly complicates the scaling equation but is not a significant consideration in the final basin design; therefore, to eliminate this variable, the sides of the excavation will be covered with a plastic liner draped from ground surface.

3.4.2.2 Water Supply/Control. A temporary water supply hose will be connected to a local fire hydrant for a source of potable water. A water meter will be installed to monitor the volume and flow rate of water being placed into the excavation. A mechanical float and valve assembly will be secured to a post driven into the excavation floor. The float will be set to maintain a 2-foot water depth, similar to the proposed maximum basin reductant solution depth. Equipment will be sized to permit a flow rate of up to 50 gpm.

3.4.2.3 Test Procedures. The following procedures will be followed to collect the required design information:

- Clean tap water will be used to fill the excavation. The mechanical (non-electric) valve will automatically maintain a constant head of 2 feet of water in the excavation base for the duration of the test.
- The initial flow rate and total volume required to initially fill the test basin will be recorded. It is assumed this will require less than ½ hour.
- After the basin is filled, totalizer readings (total volume infiltrated) will be recorded every ½ hour for the first 8 hours of infiltration. Note: The first reading will be ½ hour after flow was initiated. The average infiltration rate (measured in gpm) will be calculated between the last two periods. If the flow rate changes more than 10%, monitoring will be continued until the change is less than 10%. When the change is less than 10%, the next reading will be collected approximately 8 hours later (16 hours into the test) and an additional reading will be collected 8 hours later (24 hours into the test).
- It is possible after one day, the infiltration rate will remain high:
  - If the rate exceeds 10 gpm, this indicates long-term infiltration rates in the full-scale basin will be sufficient to deliver the required reductant volume, and the test will be ended.
  - If it is less than 10 gpm, the test will be continued. Measurements will be collected every 12 hours for a maximum total duration of 5 days, or until the change between the last two flow rates is less than 10%.
- Test basin (model) infiltration rates will be scaled upward and used to determine overall viability of basin infiltration at this Site and to size full-scale piping, pumps, and other equipment.

3.4.2.4 Restoration. Upon completion of the test, and after the balance of the water has infiltrated into the ground, all equipment will be removed, the stockpiled soil will be placed into the excavation, compacted appropriately, and the surface will be resurfaced with concrete or asphalt to match the existing grade.

3.4.3 Aquifer/Pump Test

MWH does not intend to conduct Site-specific aquifer testing. The reason for this is related to the numerous aquifer tests that have been conducted in the area, thereby providing reliable information of aquifer conditions such as permeability and storage. In addition, the presence of hexavalent chromium contamination would dictate the treatment of the water prior to discharge. Because of the high production capacity of the aquifer, this would mandate setting up a very large temporary storage or treatment system for the duration of the test. Rather, MWH will include sufficient flexibility into the subsequent remedial system design to allow for the possible variation in aquifer conditions, and will develop such aquifer characteristic data during operation of the remedial system during actual, full-scale conditions.

SECTION 4.0

IMPLEMENTATION PLAN

A conceptual remedial design of the proposed *in-situ* soil and interim groundwater approach is described below by system component. In addition, the remedial system startup approach and operation, maintenance and monitoring that will be performed are also discussed. Upon approval of this conceptual remedial approach by the RWQCB, a detailed design will be performed to prepare documents suitable for construction of the remediation system.

4.1 REMEDIAL SYSTEM DESIGN

This section describes the conceptual remedial system design. Actual equipment and well selection may change slightly during the formal design process; however, the underlying conceptual approach will remain as presented. Possible well locations, piping runs, equipment placement, and infiltration basin location are shown in Figure 8.

Extracted and treated groundwater will be used as the "carrier" for the reductant into the vadose zone and groundwater. Two existing wells will be evaluated for suitability as extraction wells during the remedial design. Extracted water will be treated with granular activated carbon (GAC) to remove VOCs and then dosed with calcium polysulfide (or alternate reductant based on results of bench scale tests described in Section 3.4) to precipitate the hexavalent chromium as trivalent chromium. Based on the anticipated flow rate, it is expected that two clarifying tanks will be placed in parallel to allow the solids to settle. To reduce injection well fouling concerns, sand filters may be used to remove any suspended solids that pass through the settling tanks. After the sand filters, the treated water will be split into two streams. One stream will be dosed with additional reductant and distributed to the infiltration basin for treatment of the vadose zone soils. The other portion will be dosed with a carbon source such as emulsified oil prior to reinjection in two or more cross-gradient wells. The extraction/reinjection will approximate a closed-loop flow pattern that will collapse the on-Site and near-Site plume while eliminating the source of contamination, both in the vadose and saturated zones. The system will be designed to maximize the range of flow rates and expandability that can be economically incorporated, such as oversized piping, installation of additional supply and return lines, and selection of pump flow/head operating ranges.

4.1.1 Extraction Wells

The critical aspect in well selection/design is to assure that the maximum amount of groundwater recovery occurs from the most contaminated portion of the aquifer, thereby resulting in the most contaminant recovery from the least water. Use of recovery wells screened over long portions of the aquifer or screened deeper than the contamination can 'smear' the contamination across presently non-contaminated portions of the aquifer. Determination of the vertical component of contamination concentrations will be conducted by depth-discrete sampling of water during construction of potential new wells and by low-flow sampling protocols for existing wells. If the

data indicate existing wells are screened over too long a vertical section, the wells will be modified by installation of packers or backfilling with grout or bentonite to assure that pumping only recovers water from the contaminated section of the aquifer and does not pull contamination deeper.

Two existing wells are being considered for use as extraction wells: GW-14A and GW-15, as shown in Figure 8. A typical extraction well construction diagram is shown in Figure 9. GW-14A is located in the source area and will be used primarily to capture high concentration soil pore water as it is displaced by infiltration of reductant solution during the treatment process. GW-14A is a 4-inch diameter well constructed of Schedule 80 polyvinyl chloride (PVC) and screened between 225 to 285 feet bgs. GW-15 is located downgradient of the source area near the property boundary and within the primary groundwater plume, exhibiting the highest on-Site concentrations of hexavalent chromium in June 2004. It will be used to pull back off-Site contamination and to provide additional on-Site plume capture. GW-15 is a 6-inch diameter well, screened from 245 to 330 feet bgs. High head electric submersible pumps will be used to pump groundwater approximately 300 feet up to ground surface. The minimum anticipated flow rate from each pump is approximately 50 gpm; however, the 6-inch well diameter of GW-15 will permit installation of a larger pump/motor for flow rates of approximately 100 gpm, if desired or required. Given the high yield formation, dewatering of the extraction wells is not anticipated; therefore, level controls will not be required.

It should be noted that these two wells each have a very long screen interval, 60 feet in GW-14A and 85 feet in GW-15. Low-flow sampling will be used to establish the vertical variation in chromium concentration in these two wells before extensive pumping and the potential to 'smear' contamination across more of the aquifer. If the data document that the contamination is only in a minor portion of the aquifer, likely the upper few feet of the saturated zone, the wells will be modified to allow skimming the contaminated water from the upper portion of the aquifer.

A process flow diagram is provided in Figure 10.

4.1.2 Conveyance Piping

Down-well piping will connect to the conveyance piping through an in-well pitless adapter. A separate supply line will be installed from each extraction well. Similarly, the infiltration basin and each injection well will have a separate return line. Prior to backfill, all conveyance piping will be leak-checked with pressured air. The surface will be completed to match existing materials.

As discussed in Section 3.4.3, initial system operation is effectively a long-term pump test to determine what flow rates and chemical dosing will optimize plume capture and Site remediation. To allow for possible future expansion or modifications to the system, additional supply and return lines will be run to the ends of each trench.

4.1.3 Surge Tank and Pre-Filter

Many remedial systems use an influent surge tank to stabilize flow rates through the treatment process; however, given the high yielding aquifer, dewatering of the well and resulting pump cycling are not anticipated; therefore, flow rates are anticipated to remain steady, eliminating the need for a surge tank. Eliminating the surge tank also reduces oxygenation of the water, reducing GAC maintenance caused by metals precipitation.

Some systems that use GAC treatment require a pre-filter to remove suspended solids that may clog the GAC, reducing efficiency and/or flow rates. However, it is anticipated that given adequate well development, initial turbidity will be low and will continue to decrease. Also, given the high design flow rates, the GAC units (as discussed in Section 4.1.4) will be backwashable pressure units. If the GACs were to become plugged, the units could be quickly cleaned with a backwash. Eliminating the large filters will simplify the system and reduce the required footprint which, as will be discussed later, is a significant design consideration.

4.1.4 GAC Units

GAC will be used to remove VOC contaminants from the extracted water prior to reinjection; they provide no significant removal of hexavalent chromium. Eliminating the surge tank and prefilters will allow sizing of the down-well pumps to pump directly through the GAC units. This further simplifies the system, increasing reliability by eliminating level controls and pumps that can fail. GAC units will be installed in a lead-lag (series) configuration. Valves will be installed to permit operation of any unit as the lead unit and/or to permit bypass if treatment is not required. Sample ports and pressure gauges will be located before and after each unit. If back-pressure develops beyond an acceptable level, the GACs will be backwashed to a holding tank dedicated to that purpose. The water will be allowed to settle, and if necessary, flocculent added to remove the majority of the suspended solids. A manually operated pump will then be turned on to pump the water through a filter and back through the GAC units.

4.1.5 Reductant Storage Tank

Reductant solution will be delivered in bulk in tanker trucks and will be stored in a double-walled (self-contained) polyethylene tank. No bottom ports or openings will be installed on the tank to preserve its integrity. Instead, the fill line and each chemical feed pump suction line will enter through the top of the tank and continue to the bottom. To eliminate the risk of uncontrolled siphon drainage, each suction line will be equipped with a normally open (opens if power removed) air solenoid siphon break, installed at the top of each tank. All chemical feed lines outside the tank will be double-contained. Depending upon the tank width to height ratio, seismic restraints will be installed if necessary.

4.1.6 Reductant Dosing A

A chemical feed pump will be used to inject sufficient reductant to reduce and precipitate the dissolved hexavalent chromium as trivalent chromium. The reaction rate is rapid; therefore, to prevent pipe fouling, the reductant will be injected directly into the mixing/clarification tank.

Turbulence caused by the high flow rates will mix the solutions. Complete reduction of hexavalent chromium to trivalent chromium will be verified by field and lab effluent sampling. To assure complete treatment, an excess amount of reductant will be added.

4.1.7 Clarification Tanks

After chemical dosing, the reductant will mix with the water and precipitates will be allowed to settle. Clarification tanks will be sized to provide adequate weir overflow rates and retention time sufficient to allow settling of the trivalent chromium precipitates. It is likely more than one tank will be required. If so, flow will be evenly split between the tanks. Low, high, and high high (alarm) floats will control effluent pump operation and shut down the system if an alarm high condition occurs. An effluent sampling port will permit sample collection for field determination of residual reductant concentrations. Accumulated solids will be suctioned from each tank bottom, as necessary. The slurry will be hauled off-Site to a certified hazardous waste processing facility where it will be dewatered and wastes properly disposed.

4.1.8 Effluent Filtration

To reduce reinjection well fouling caused by accumulation of trace solids, such as turbidity or precipitates that were not removed in the clarification tanks, the system will be designed with the option of pumping clarifier effluent water through two parallel sands filters. The filters will be equipped with a pressure differential sensor and backwash valve that automatically backwashes one filter at a time. The backwash water will be directed to a surge tank. Backwash water will be pumped from the surge tank at a low flow rate back through the clarification tanks.

4.1.9 Carbon Dosing (Effluent A)

A portion of treated water will be diverted and dosed with a carbon source such as emulsified vegetable oil. The benefits of this addition include a decrease in sulfate ion concentrations by means of the actions of SRB, and the generation of conditions suitable for the reductive dechlorination of chlorinated solvents. The tank type, size, oil delivery, setup, and chemical feed pumps will be similar to those described for the reductant in Sections 4.1.5 and 4.1.6. Turbulence in the pipe will provide the necessary mixing prior to reinjection.

4.1.10 Reinjection Wells

The carbon-enriched and low to moderate residual reductant concentration effluent water will be discharged to cross-gradient reinjection wells that will help push contaminated water toward the extraction wells, increasing hydraulic control in addition to providing *in-situ* treatment of low concentration groundwater in the vicinity of the wells (i.e., at the plume edge). As previously discussed, each reinjection well will have its own supply line. To prevent excessive turbulence (and resulting precipitation) from water cascading down the well casing, each line will continue down the well to below groundwater. Each system effluent line will be equipped with a totalizer/flow meter, regulating valve, sample tap and pressure/vacuum gauge. It is anticipated these wells will be 4-inch diameter PVC casing, with the screen interval bottom based on the depth of contamination within the aquifer. The screen will be relatively coarse, to minimize the

impact of potential scale formation, and the filter pack more coarse than conventional design. The screen interval will also extend well up into the unsaturated zone, to maximize the inflow to the formation in the upper, contaminated section.

4.1.11 Reductant Dosing B (Effluent B)

The remaining portion of the treated water will be dosed with additional reductant prior to delivery to the infiltration basin. A third chemical feed pump will be used to complete this dosing. One reductant supply line will be run to the basin. This line will be equipped with a flow meter, sample tap, pressure gauge, and valve. The reductant solution is more dense than groundwater, which aids in percolation through the vadose zone and provides additional reductant to react in the higher concentration source area. The solution will become less dense as it migrates, both because of reaction/consumption of the reductant, and because of dilution by the displaced vadose-zone fluids. Excess reductant will eventually percolate to the groundwater, where it will react with the displaced hexavalent chromium and hexavalent chromium already in the groundwater.

4.1.12 Infiltration Basin

The infiltration basin will be an approximate 50-foot by 50-foot area which extends past the known source area. This is a conservative treatment area, to allow for the possibility that current delineation of soil contamination is not exactly defined. The basin will be constructed by removing the concrete and excavating to a depth of approximately 5 feet below grade. Visually contaminated soil (chromium is intensely colored) will be.stockpiled separately and disposed of at a hazardous waste landfill. Other soil will be stockpiled and composite sample(s) will be collected to determine if soil disposal standards are exceeded. This soil will be disposed of as required based upon the composite sample results.

Within the main basin, two sub-basins will be created (Figures 11 and 12). Sub-basin 1 is the primary source area. Sub-basin 2 is a former excavation area (to a depth of 15 feet) that will have different permeability/infiltration characteristics than the remainder of the basin. Soil berms constructed of clean excavated material will be placed around each of these areas to a height of 2 feet above the basin floor (3 feet bgs). A flexible membrane liner (FML) will be placed over these berms to further reduce the permeability. Separation of these two areas will permit a higher level of control of where the solution is injected. As shown in Figure 11, the treatment system effluent line will continue to a valve box on one side of the basin. Inside this vault will be valves and in-line flow meters that branch from this main header. Each leg exits the vault as a solid pipe that continues to the perforated distribution pipes shown in Figure 11 (1A/1B through 8A/8B). The number and spacing of these legs will be based upon the results of the infiltration test (Section 3.4.2), but will be spaced appropriately to assure complete lateral distribution and saturation of the soils covered by each leg. After placement of the piping, the bottom of the basin/sub-basins will be filled with clean well-sorted gravel as shown in basin cross-section A-A' (Figure 12). A geotextile will be placed on top of the gravel. Clean low-permeability fill will be placed above this to help separate the basin from the surface and minimize addition of oxygen (reacts with reductant, causing precipitation). Finally, the surface will be restored with a gravel sub-grade and pavement.

Measuring standpipes and pressure/vacuum lysimeters will be installed across the basin to provide monitoring. Actual locations and numbers will be determined during the design; however, example locations are shown in Figure 11. The standpipes will be used to monitor solution depth across the basin to assure uniform treatment. One or more will be equipped with a high level float that will trip and shut down flow to the basin if the basin is overfilling. Clusters of lysimeters will permit the collection of vadose-zone fluids on a routine basis from specific depths. A typical lysimeter installation is shown in Figure 13. By installing a series of lysimeters over various depths at each monitoring site, in a cluster, it is possible to detect the passage of the reaction front, as the reductant-bearing water displaces and reacts with residual vadose-zone contamination. Approximately six clusters of lysimeters will be used. Each cluster will consist of three lysimeters. One lysimeter will be installed at a depth of approximately 9 feet bgs; one will be installed at a depth of approximately 19 feet bgs; and one will be installed at approximately 29 feet bgs. Given the method of lysimeter operation, deeper locations become cost prohibitive and/or technically impractical. The three proposed intervals will allow detailed monitoring of the most highly contaminated zones and will provide data useful in predicting deeper migration rates and reaction front arrival times. Typically, lysimeters yield 250 to 500 milliliters (ml) of solution, which permits measurement of pH and ORP in the field, together with determination of chromium concentration by means of HACH field test kits. Such field operational monitoring is needed for infiltration basin operation, and is not proposed as regulatory monitoring. This field determination is backed with periodic laboratory analyses for hexavalent chromium concentrations, for regulatory considerations.

The electric vault and associated lines shown in Figure 11 will not be removed. The lines will be temporarily de-energized and excavated around. Soil under the vault will remain in place. As shown in Figures 11 and 12, this is a small area and solution will migrate into the soil beneath the vault, completing treatment. To assure fluids do not enter the electric vault, an additional standpipe and level float will be placed in the vault that will shut down flow to the basin if any water is detected.

4.1.13 Controls/Safety

Some safety features such as tank and basin high levels floats have been previously discussed; however, the design will include additional safety controls such as high pressure alarms, and emergency stop (E-Stop). All equipment will be placed within one or more bermed treatment pads equipped with a high level float. If any alarm trips, required pumps will be deactivated. Most alarms will be a result of small in-balance in flow rates; therefore, the condition will be allowed to correct itself and treatment continued without a manual restart. However, if a treatment pad alarm exists, all pumps will be deactivated and the reductant siphon breaks activated, safely shutting down all processes until the situation is investigated and the alarm manually reset by on-site personnel. Upon any alarm condition, the equipment operator will be notified by a call-out feature. Tanks or equipment requiring seismic restraints will be secured.

4.2 SYSTEM START-UP AND PROVE-OUT

After construction, all equipment will undergo a 2-week testing and prove-out period. Initially, above ground equipment will be charged and operated with clean water to leak check piping/fittings, assure proper equipment operation, and assure level and alarm float operation. Thereafter, extraction and treatment will begin. Chemical dosing rates, pressures, and flow rates will be monitored and adjusted as necessary. For the first week, the equipment will be operated only 8 hours per day under continuous supervision to provide quick response/trouble-shooting, and to assure all parameters remain within the anticipated range. During the second week, operation will increase to 24 hours per day with daily checks on equipment and operating parameters.

4.3 OPERATION, MAINTENANCE, AND MONITORING (OM&M)

Proper OM&M is necessary to assure remedial goals are achieved in a timely and cost-effective manner. This section provides a summary of the probable OM&M activities. An OM&M Plan will be prepared upon approval of the detailed design.

4.3.1 Operation

Operation will continue 24-hours per day, 7 days per week until breakthrough of reductant is noted in GW-14A (or replacement source area extraction well). This source area well will then be shut off. This will protect the GACs from reductant fouling and permit *in-situ* treatment of the residual chromium contamination. The downgradient well(s) (e.g., GW-15) will continue pumping until reductant is observed in it/their effluent. This would suggest the primary chromium source area has been treated. The system will be shut down for a period of 1 month to allow subsurface conditions to stabilize. Confirmation groundwater and soil monitoring will be completed after this time as described in Section 5.0. If results indicate the remedial goals have been achieved, the system will be shut down and decommissioned. If not, groundwater extraction and reinjection in either the wells or basin will continue; however, reductant solution for the basin will be amended with a carbon source, similar to the injection wells until remedial goals are achieved. Extraction and/or injection well flow rates will be adjusted as necessary to promote capture and/or *in-situ* treatment of any recalcitrant areas.

4.3.2 Maintenance

Metals precipitation increases required maintenance compared to a standard VOC pump and treat system; however, high operational up-time can be maintained with proper preventative maintenance procedures. Some of the procedures include:

- Monitoring of system pressures to detect precipitation in piping. Piping will be designed to permit easy mechanical or chemical cleaning and removal of the precipitates.
- Pressure monitoring will also indicate when injection wells require redevelopment.
- Mid-point GAC sampling will be used to indicate when GAC change-out is required.

- Trivalent chromium precipitates will be regularly measured in the settling tanks and required removal of accumulated solids will be scheduled to assure proper process retention times.
- Standard pump maintenance/cleaning will be completed.
- All piping, fittings, and tanks will be regularly inspected for leaks.
- Periodic testing and cleaning of level control and alarm floats will be conducted.

4.3.3 Monitoring

Monitoring activities will be of two types:

- Remediation monitoring to evaluate the effectiveness of the on-going remedial efforts, to allow for modifications to increase the effectiveness of the system.
- Regulatory monitoring to be specified as a part of the regulatory system.

Each aspect is discussed below. Obviously, the regulatory monitoring requirements are to be imposed by the regulatory agencies, but the discussion is intended to suggest the type of regulatory monitoring which has been required at other sites and has been shown to provide regulatory agencies an understanding of the success of the system.

4.3.3.1 Remediation Monitoring. It is anticipated that the chemical nature of groundwater from the two extraction wells will change rather soon after the start of operation. This is especially anticipated for GW-14A, as infiltration displaces highly-contaminated fluid from the vadose zone into the saturated zone, where it will be recovered by the well pumping. Therefore, for the first 3 months of operation, daily readings will be made of the volume of water extracted from each well, daily groundwater level monitoring will be conducted on each extraction well, and daily field analysis of the pH, ORP, electrical conductivity, and hexavalent chromium (by means of a HACH field test kit) will be conducted on each extraction well discharge. Daily measurements will be made for the first 3 months and a minimum of three times per week after the first 3 months.

Once per month, samples from the extraction wells will be collected and submitted to an analytical laboratory for analysis of the following:

- Dissolved hexavalent chromium by EPA Method 7199;
- Iron, manganese, and arsenic by EPA Method 6010B;
- Calcium, magnesium, potassium, and sodium by EPA Method 6010B;
- Carbonate/bicarbonate alkalinity by SM2320; and
- Nitrate, nitrite, chloride, and sulfate by EPA Method 300.0.

Samples from the influent and effluent of the treatment system will also be collected daily and analyzed in the field for pH, ORP, and electrical conductivity for the first 3 months; and a minimum of three times per week after the first 3 months. A log will be kept of the amount of reductant added to the treatment system. Samples will be collected monthly from the influent and effluent of the treatment system and submitted to an analytical laboratory for analysis of hexavalent chromium by EPA Method 7199 and VOCs by EPA Method 8260B.

Monitoring of the infiltration basin will include monitoring the flow into each sub-basin and the standing solution depth daily for the first 3 months, and a minimum of three times per week after the first 3 months. Lysimeters will be sampled at least weekly and analyzed in the field for ORP, pH, electrical conductivity, and hexavalent chromium (by means of a HACH field test kit). Samples will be collected quarterly from the lysimeters and submitted to an analytical laboratory for analysis of hexavalent chromium by EPA Method 7199.

Monitoring of the injection wells will include determination of the volume of solution discharged to each well, the well-head pressure (if any) involved in the injection, and the water level in each injection well. Monitoring will be conducted daily for the first 3 months and a minimum of three times per week after the first 3 months.

Frequency of the above-mentioned remediation monitoring may be modified as remediation progresses, depending on the results obtained in the field.

4.3.3.2 Regulatory Monitoring. As noted, the program of regulatory monitoring will be specified by the permitting authority; however, it is anticipated that quarterly monitoring of the site wells will be sufficient. The quarterly report that is submitted to the RWQCB will include remediation monitoring data, including the laboratory analyses of the recovery well(s) and treatment system influent and effluent. A quarterly report will be prepared and submitted to the applicable agencies.

SECTION 5.0

REMEDIATION GOALS AND CONFIRMATION TESTING

The goal of the proposed soil remedial measures are to reduce mobile hexavalent chromium concentrations in the vadose zone to prevent these residual concentrations from further threatening groundwater quality.

As described in Section 4.3, the infiltration basin will continue to be operated until the presence of reductant solution is detected in downgradient groundwater extraction well GW-15. At this point a soil boring confirmation test program will be implemented to evaluate the presence of hexavalent chromium in soils in the source area.

The soil source area will be divided into four quadrants and soil samples will be collected by drilling one boring through each quadrant. Soil samples will be collected every 20 feet from ground surface to approximately 300 feet bgs from each boring. Samples will be analyzed for hexavalent chromium by EPA Method 7199.

The goal for interim groundwater remediation is to provide for hydraulic control of the on-Site chromium plume and to reduce concentrations of dissolved chromium in groundwater. Confirmation of achievement of remedial goals will be performed through the quarterly groundwater monitoring program. The results will continue to be provided in quarterly reports, which will include a specific section to discuss the remedial action activities and results.

SECTION 6.0

SCHEDULE

Upon approval of the SIGRAP by the RWQCB, Honeywell will submit ROWD Form 200 to provide the RWQCB with required information to begin drafting of the WDR Order. It is expected that upon submittal of the ROWD Form 200, the RWQCB can draft the WDR and schedule it for consideration at a regular meeting of the Regional Board, within approximately 3 months.

In addition, following approval of the SIGRAP by the RWQCB, Honeywell will begin pre-design, bench-scale and clean water infiltration testing described in Section 3.4 and detailed design activities. These activities as well as access permits should be completed within the timeframe for WDR approval, such that construction of the remedial action elements can begin immediately upon approval of the WDR.

SECTION 7.0

REFERENCES

GTI, 1992. *Soil Characterization Workplan, North Hollywood Site, 11600 Sherman Way, North Hollywood, California*, September 1.

GTI, 1993. *Step-Out and Deeper Soil Boring Report, AlliedSignal Aerospace, 11600 Sherman Way, North Hollywood, California*, September 15.

Hydrologue, Inc., Consulting Engineers and Geologists, 1997. *A Groundwater Flow and Solute Transport Model for AlliedSignal North Hollywood Property*, May 27.

James M. Montgomery Consulting Engineers, Inc., 1992. *Remedial Investigation Groundwater Contamination in the San Fernando Valley*, December.

Javendel, I, and C.F., Tsang, 1986. *"Capture-zone Type Curves: A Tool for Aquifer Cleanup." Ground Water, 24:616-625.*

MWH, 2004. *Submittal of Data Package to Support Proposed Remediation, Former Honeywell North Hollywood Site*, June 29.

Palmer, Carl D, and Robert Puls, 1994, *Natural Attenuation of Hexavalent Chromium in Ground Water and Soils, EPA/540/S-94/505, U.S. Environmental Protection Agency Ground Water Issue*, October.

Parsons, 2001. *Technical Report and Remedial Investigation Workplan for Chromium, Honeywell International, Inc., 11600 Sherman Way, North Hollywood, California*, December 7.

Parsons, 2003a. *Assessment Workplan Addendum – Emerging Chemicals and Chromium in the Unsaturated and Saturated Zones, Honeywell International, Inc., 11600 Sherman Way, North Hollywood, California*, March 31.

Parsons, 2003b. *Quarterly Groundwater Monitoring Report, First Quarter 2003, Honeywell North Hollywood*, April 15.

Parsons, 2003c. *Interim Groundwater Remedial Action Plan For Chromium, 11,600 Sherman Way, North Hollywood, California*, June 30.

Parsons, 2003d. *Revised Remedial Investigation Workplan for Chromium and Emerging Chemicals, Honeywell International, Inc., 11600 Sherman Way, North Hollywood, California*, June 30.

Parsons, 2004a. *Remedial Investigation Report for Chromium and Emerging Chemicals*, February 27.

Parsons, 2004b. *Interim Remedial Measures, Former Honeywell International, Inc. Facility*, April 15.

Parsons, 2004c. *Quarterly Groundwater Monitoring Report, Second Quarter 2004, Honeywell North Hollywood*, July 15.

Parsons, 2004d. *Revised Workplan Amending Revised Remedial Investigation Workplan Dated June 2003*, July 23.

Rouse, Jim V., 2001, *In-Situ Reduction and Geochemical Fixation of Chromium in Soils and Ground Water in Varied Geohydrological Regimes, Proceedings*, New England Water Environment Association, Boston.

Rouse, Jim V., Ian Davies, Amanda DeSantis, and Jan Hutton, July, 2001, *In-Situ Hexavalent Chromium Reduction and Geochemical Fixation in Varied Geohydrological Regimes, First International Conference on Oxidation and Reduction Technologies for In-Situ Treatment of Soil and Groundwater, Niagara Falls, Ontario.*

RWQCB, 2001. *Requirement for a Technical Report Pursuant to California Water Code Section 13267 – Home Depot (Former AlliedSignal/Bendix), 11600 Sherman Way, North Hollywood, California 91605 (File No. 111.0180)*, March 3.

RWQCB, 2003a. *Cleanup and Abatement Order No. R4-2003-0037 for Honeywell International Inc. (Formerly Allied Signal Inc.), 11600 Sherman Way, North Hollywood, California (File No. 111.0180)*, February 21.

RWQCB, 2003b. *Comments on the Technical Report and Remedial Investigation Workplan for Chromium, in Addition to the Assessment Workplan Addendum for Emerging Chemicals in the Unsaturated and Saturated Zones, Honeywell International, Inc. (Formerly AlliedSignal Inc.), 11600 Sherman Way, North Hollywood, California (File No. 111.0180)*, May 27.

RWQCB, 2003c. *Approval of Revised Remedial Investigation Workplan for Chromium and Emerging Chemicals, Honeywell International Inc. (Formerly Allied Signal Inc.), 11600 Sherman Way, North Hollywood, California (File No. 111.0180) (Site Identification No. 2041900)*, October 23.

Upper Los Angeles River Area Wastewater (LUARA), 2001. *Watermaster Service in the Upper Los Angeles River Area – Los Angeles County 1991-2000 Water Year*, May.

FIGURES

MWH

HONEYWELL NORTH HOLLYWOOD
NORTH HOLLYWOOD, CALIFORNIA

SITE LOCATION MAP

FIGURE 1

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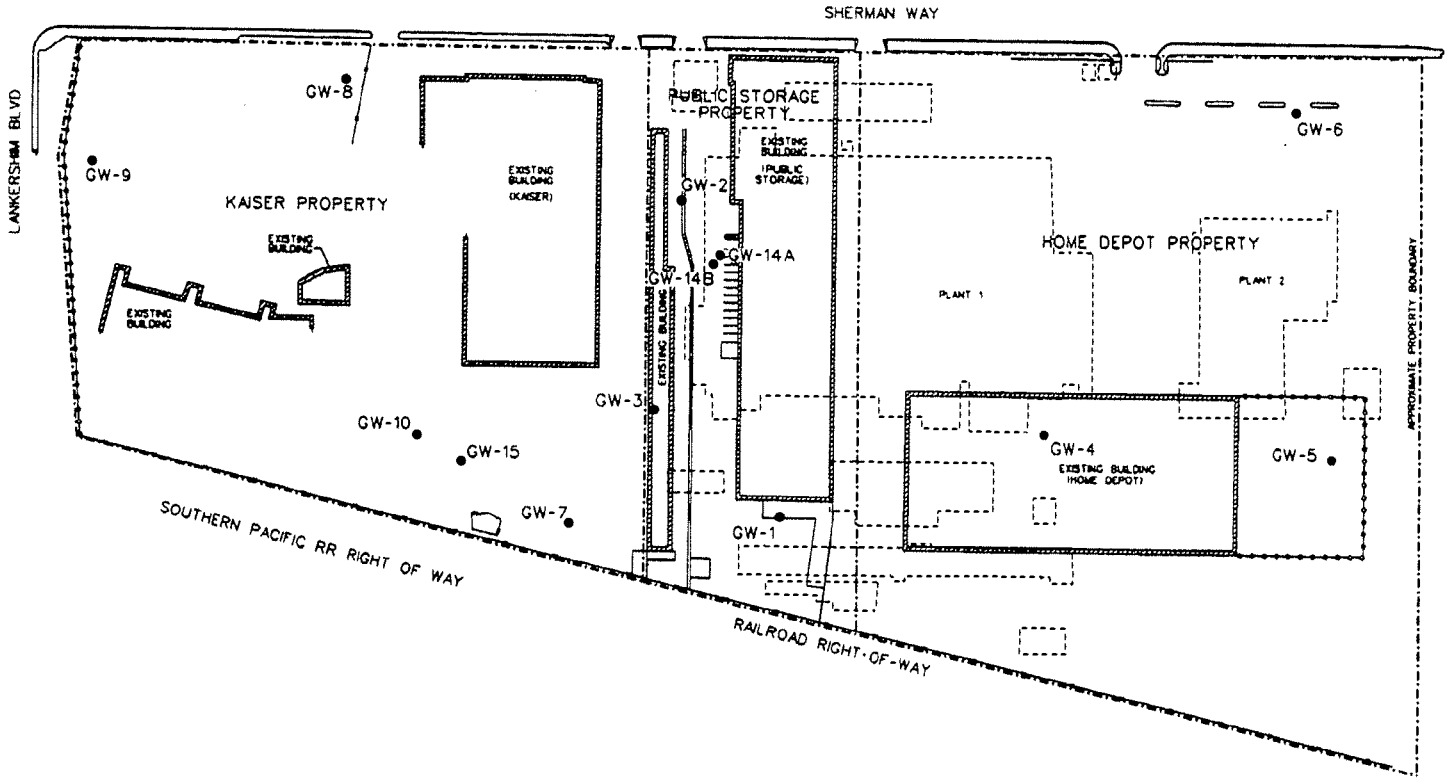

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0 200

SCALE IN FEET

LEGEND:

- ● EXISTING GROUNDWATER MONITORING WELL
- EXISTING STRUCTURES
- FORMER STRUCTURES
- APPROXIMATE PROPERTY BOUNDARY

SOURCE:
PARSON'S BASEMAP,
DATED JANUARY 2004.

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HONEYWELL NORTH HOLLYWOOD
NORTH HOLLYWOOD, CALIFORNIA

SITE PLAN AND
FORMER FACILITY LAYOUT

FIGURE 2

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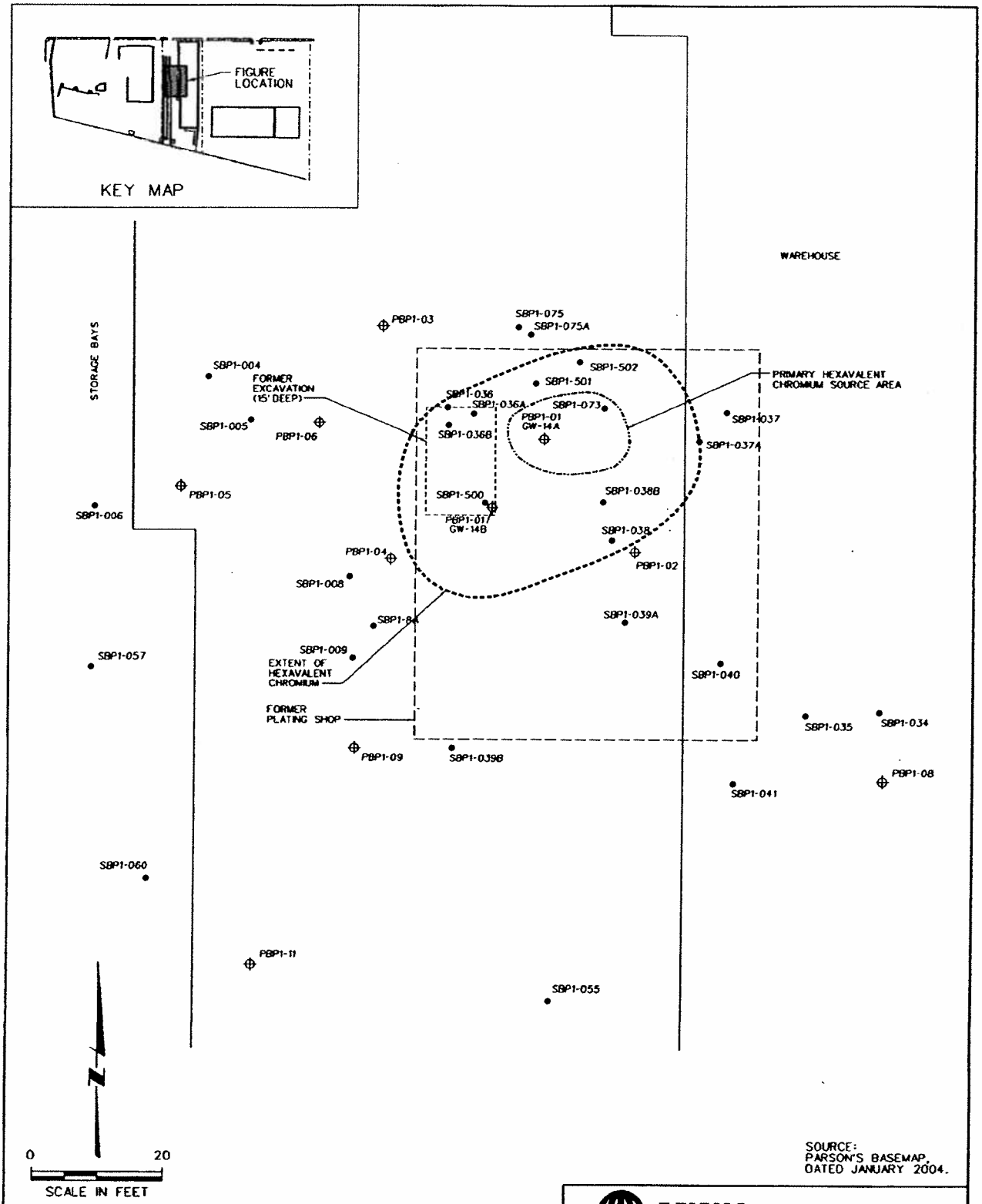

LEGEND:

- ● 1993 GTI BORING LOCATION
- ⊕ 1993 EARTH TECH BUCKET AUGER BORING LOCATION
- --------- APPROXIMATE AREA OF HEXAVALENT CHROMIUM IMPACTS IN SOIL
- ---------- APPROXIMATE SOURCE AREA OF HEXAVALENT CHROMIUM

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HONEYWELL NORTH HOLLYWOOD
NORTH HOLLYWOOD, CALIFORNIA

EXTENT OF CHROMIUM IMPACTS IN SOIL

FIGURE 3

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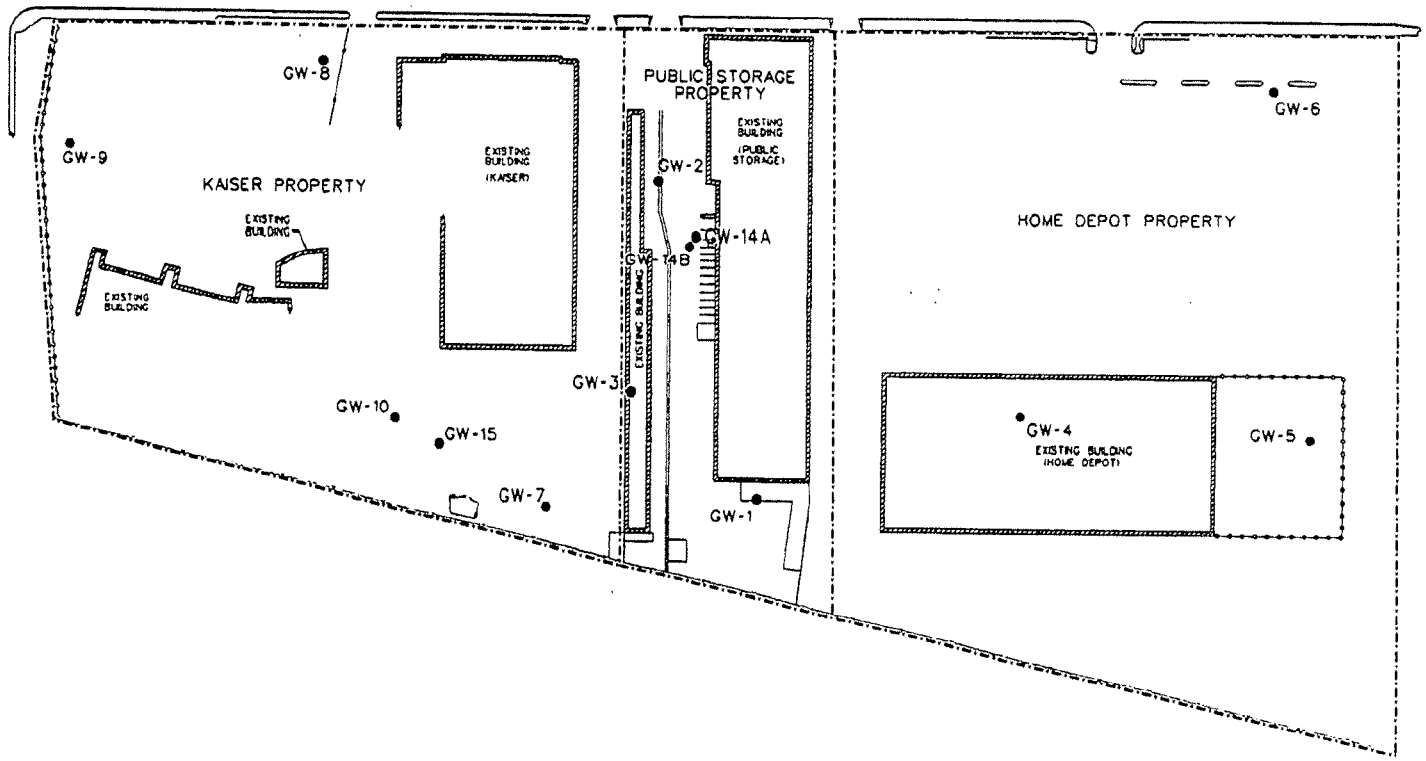

N

0 200
SCALE IN FEET

LEGEND:
- EXISTING GROUNDWATER MONITORING WELL
- APPROXIMATE PROPERTY BOUNDARY

SOURCE:
PARSON'S BASEMAP,
DATED JANUARY 2004.

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HONEYWELL NORTH HOLLYWOOD
NORTH HOLLYWOOD, CALIFORNIA

GROUNDWATER MONITORING WELL LOCATIONS

FIGURE 4

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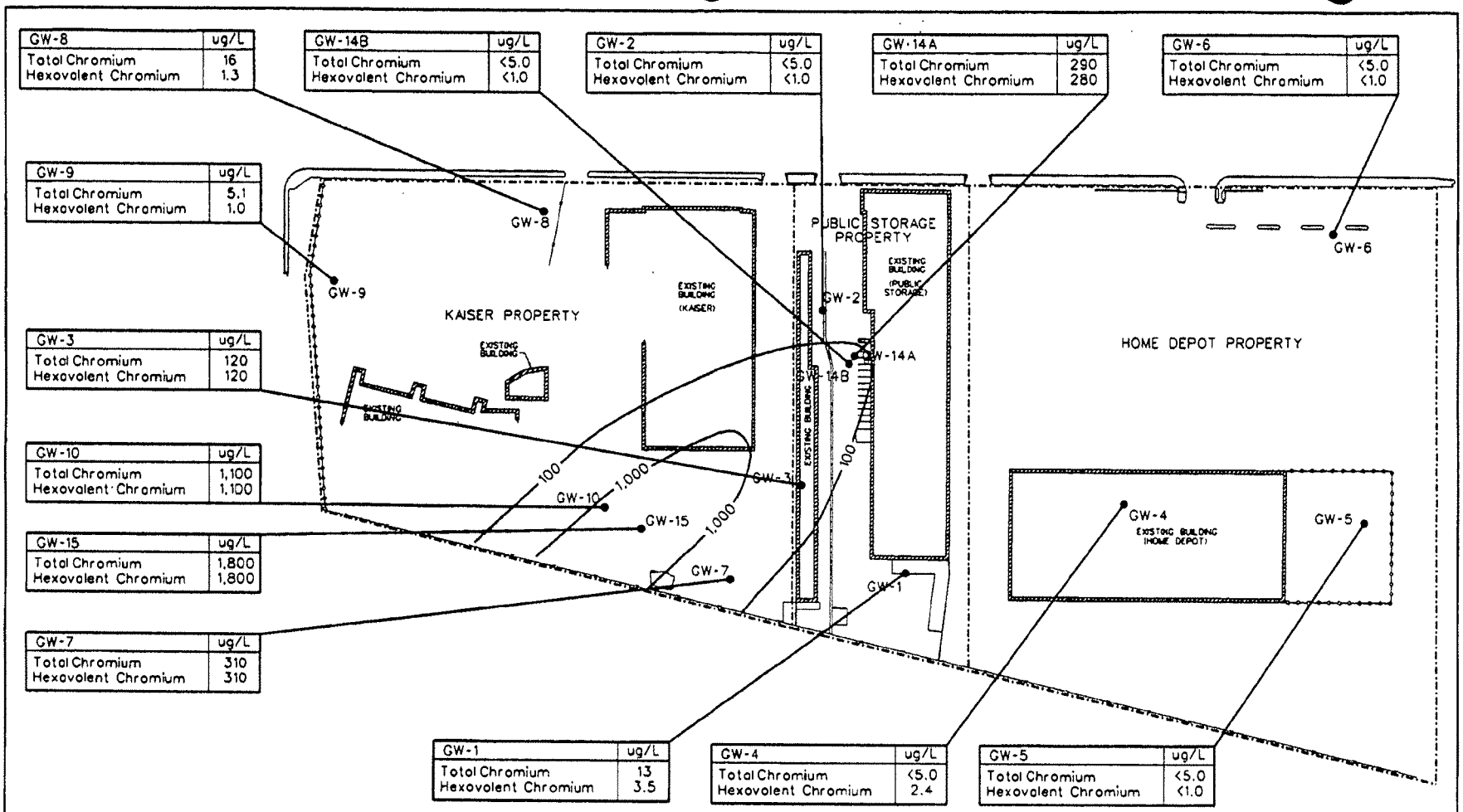

LEGEND:

- ● EXISTING GROUNDWATER MONITORING WELL
- APPROXIMATE PROPERTY BOUNDARY
- —100— HEXAVALENT CHROMIUM ISOCONCENTRATION CONTOUR

NOTES:

1. SAMPLES WERE COLLECTED WITH BAILERS AFTER CONVENTIONAL PURGING.

SOURCE: PARSON'S BASEMAP, DATED JANUARY 2004.

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HONEYWELL NORTH HOLLYWOOD
NORTH HOLLYWOOD, CALIFORNIA

TOTAL AND HEXAVALENT CHROMIUM CONCENTRATIONS IN GROUNDWATER ON-SITE JUNE 2004

FIGURE 5

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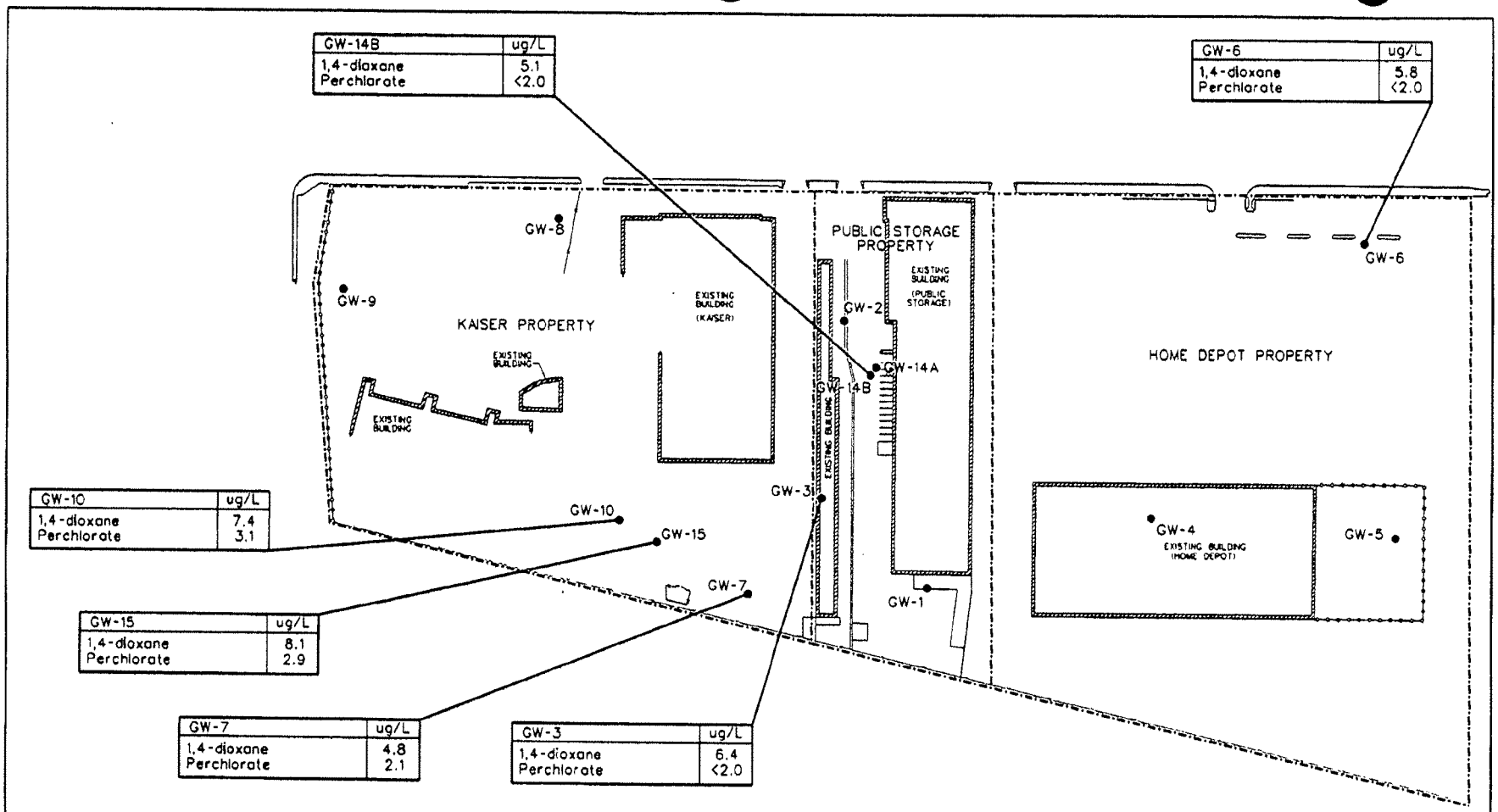


LEGEND:

- ● EXISTING GROUNDWATER MONITORING WELL
- -·-·-·- APPROXIMATE PROPERTY BOUNDARY

NOTES:

1. SAMPLES WERE COLLECTED WITH BAILERS AFTER CONVENTIONAL PURGING.

SOURCE: PARSON'S BASEMAP, DATED JANUARY 2004.

FILE: ...\eg2-04.dgn

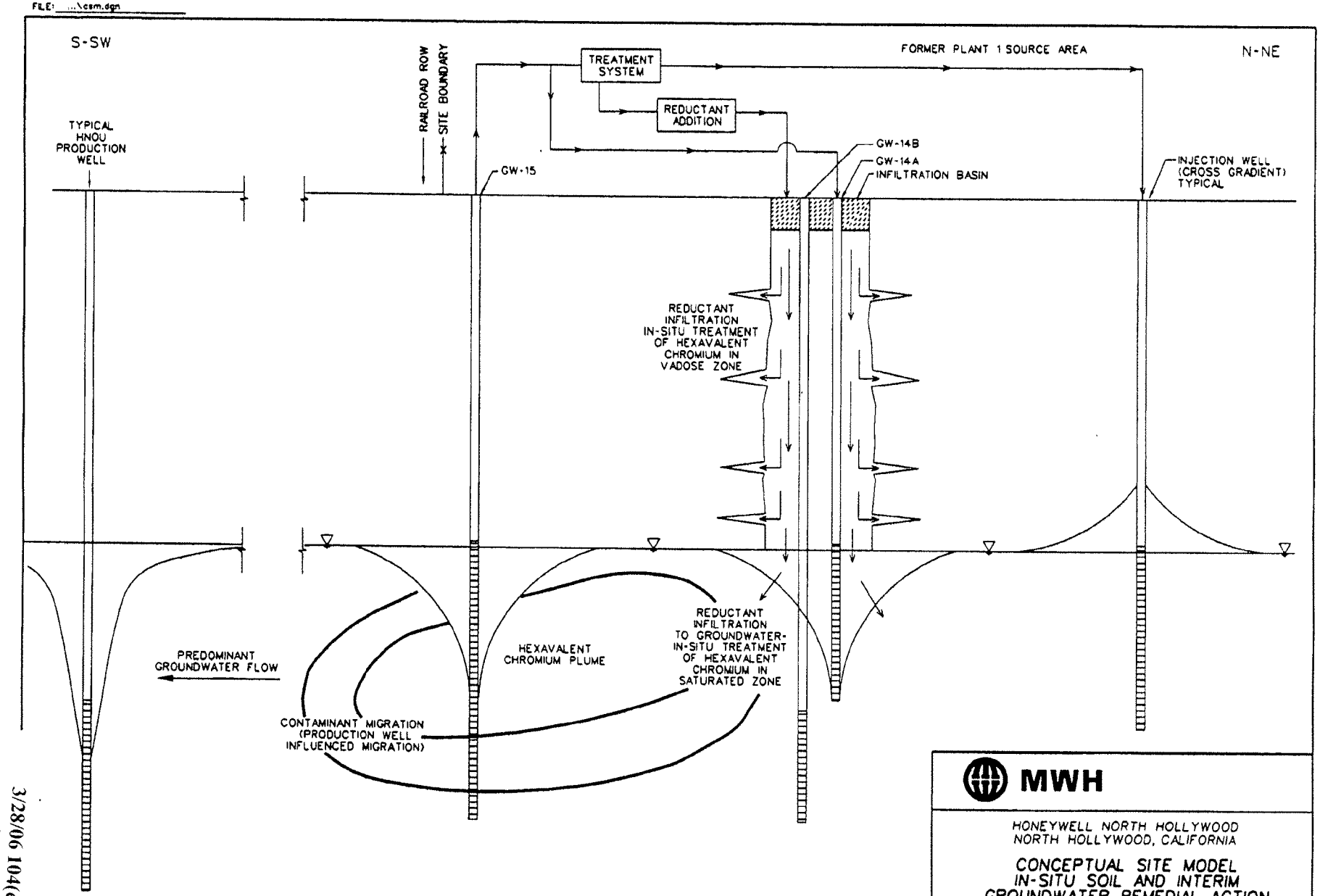
MWH

HONEYWELL NORTH HOLLYWOOD
NORTH HOLLYWOOD, CALIFORNIA

EMERGING CHEMICALS IN GROUNDWATER
JUNE 2004

FIGURE 6

FILE: ...\csm.dgn

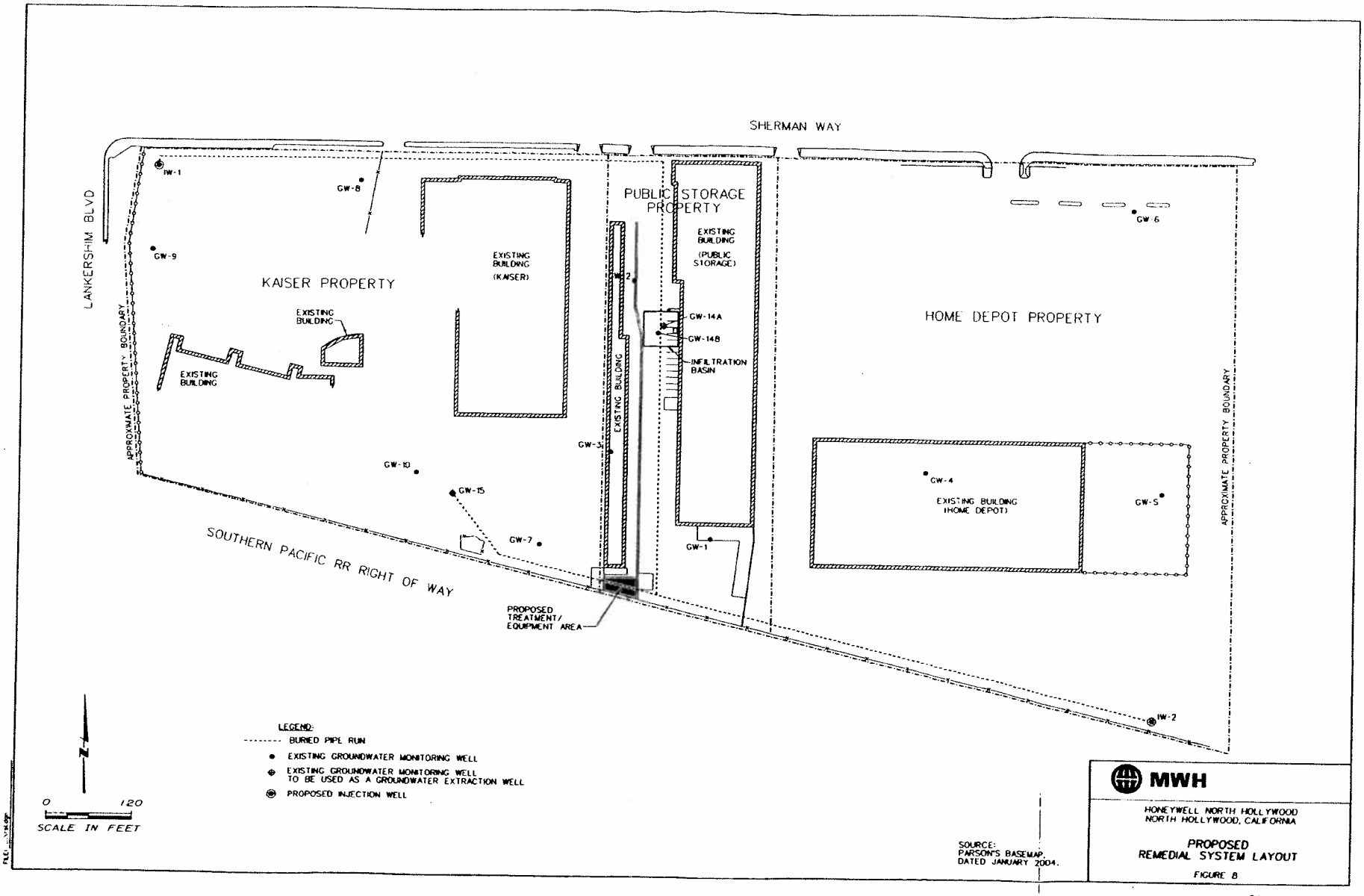


MWH

HONEYWELL NORTH HOLLYWOOD
NORTH HOLLYWOOD, CALIFORNIA

CONCEPTUAL SITE MODEL
IN-SITU SOIL AND INTERIM
GROUNDWATER REMEDIAL ACTION

FIGURE 7



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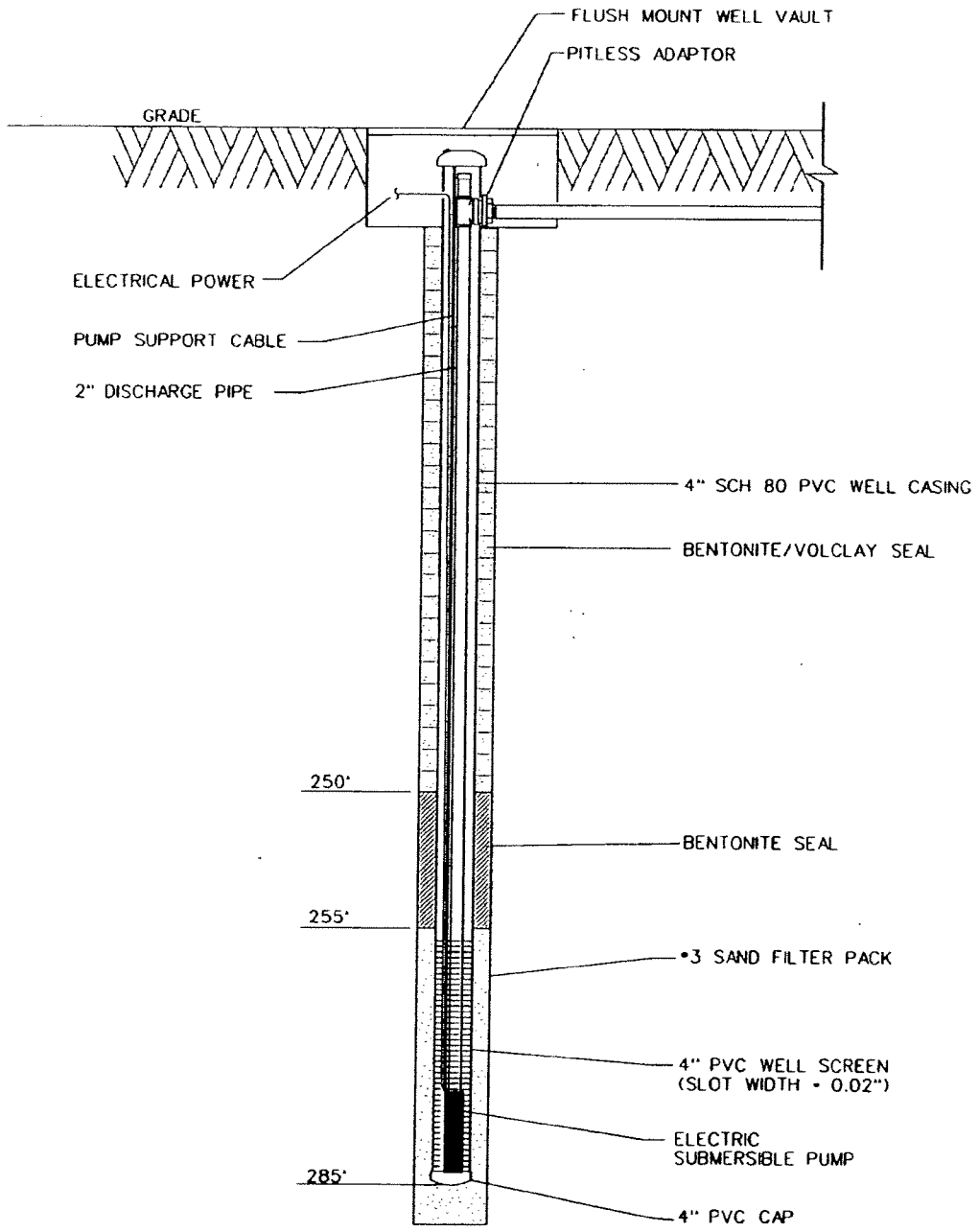

NOT TO SCALE

NOTES:

1. DEPTHS ARE FOR EXAMPLE ONLY.
2. DEWATERING OF WELLS IS NOT ANTICIPATED, THEREFORE PUMP MOTOR WILL BE PROTECTED WITH MOTOR MINDER/CURRENT SENSOR IN PLACE OF HIGH/LOW FLOATS.

MWH

HONEYWELL NORTH HOLLYWOOD
NORTH HOLLYWOOD, CALIFORNIA

TYPICAL
WELL CONSTRUCTION
DIAGRAM

FIGURE 9

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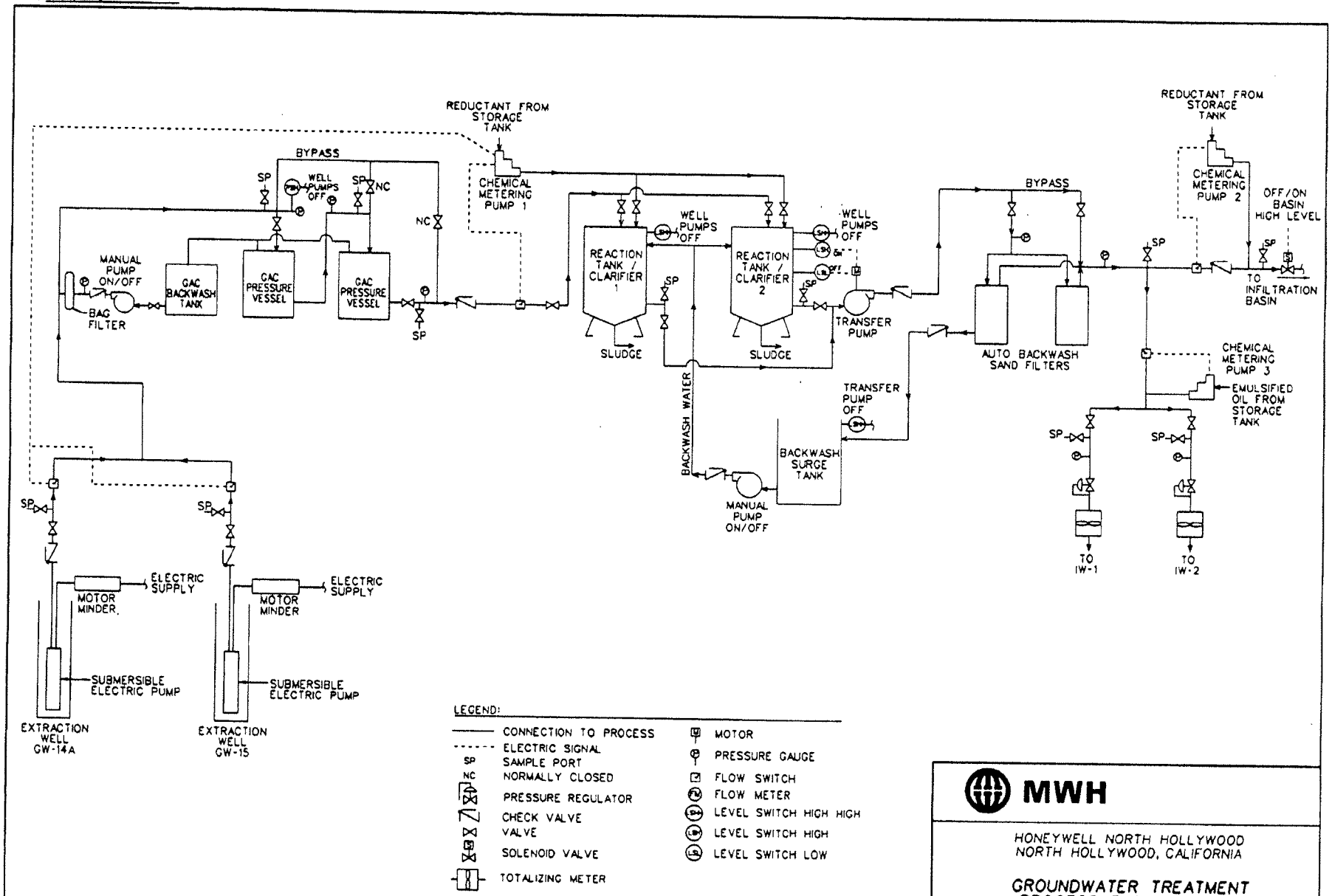

MWH

HONEYWELL NORTH HOLLYWOOD
NORTH HOLLYWOOD, CALIFORNIA

GROUNDWATER TREATMENT PROCESS FLOW DIAGRAM

FIGURE 10

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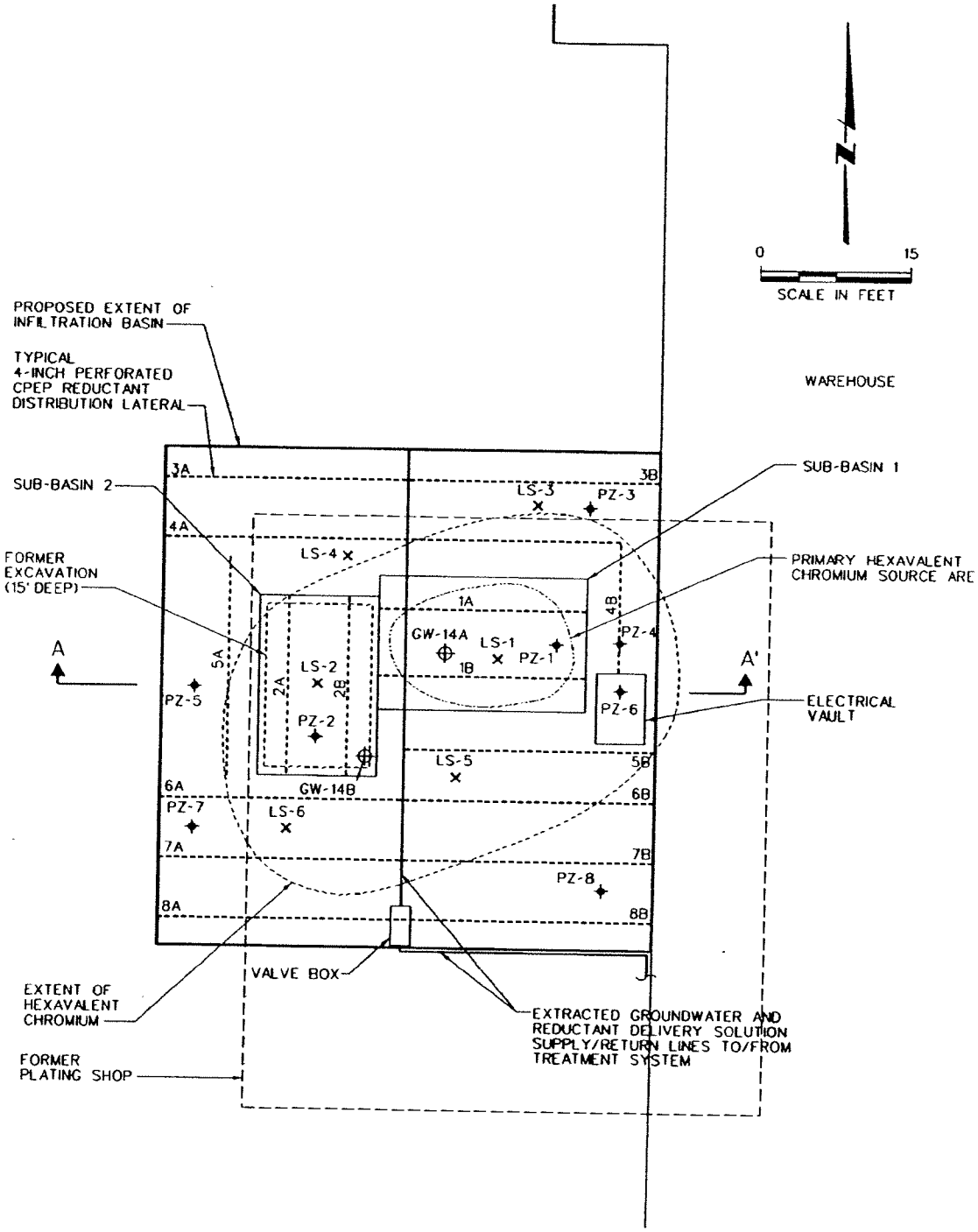

LEGEND:

- ● EXISTING GROUNDWATER MONITORING WELL
- ⊕ EXISTING WELL PROPOSED USE AS EXTRACTION WELL
- × PROPOSED LYSIMETER
- ✦ PROPOSED PIEZOMETER

CPEP CORRUGATED POLYETHYLENE PIPE
HDPE HIGH DENSITY POLYETHYLENE

NOTES:

1. INDIVIDUAL SUPPLY LINES NOT SHOWN.

MWH

HONEYWELL NORTH HOLLYWOOD
NORTH HOLLYWOOD, CALIFORNIA

INFILTRATION BASIN

FIGURE 11

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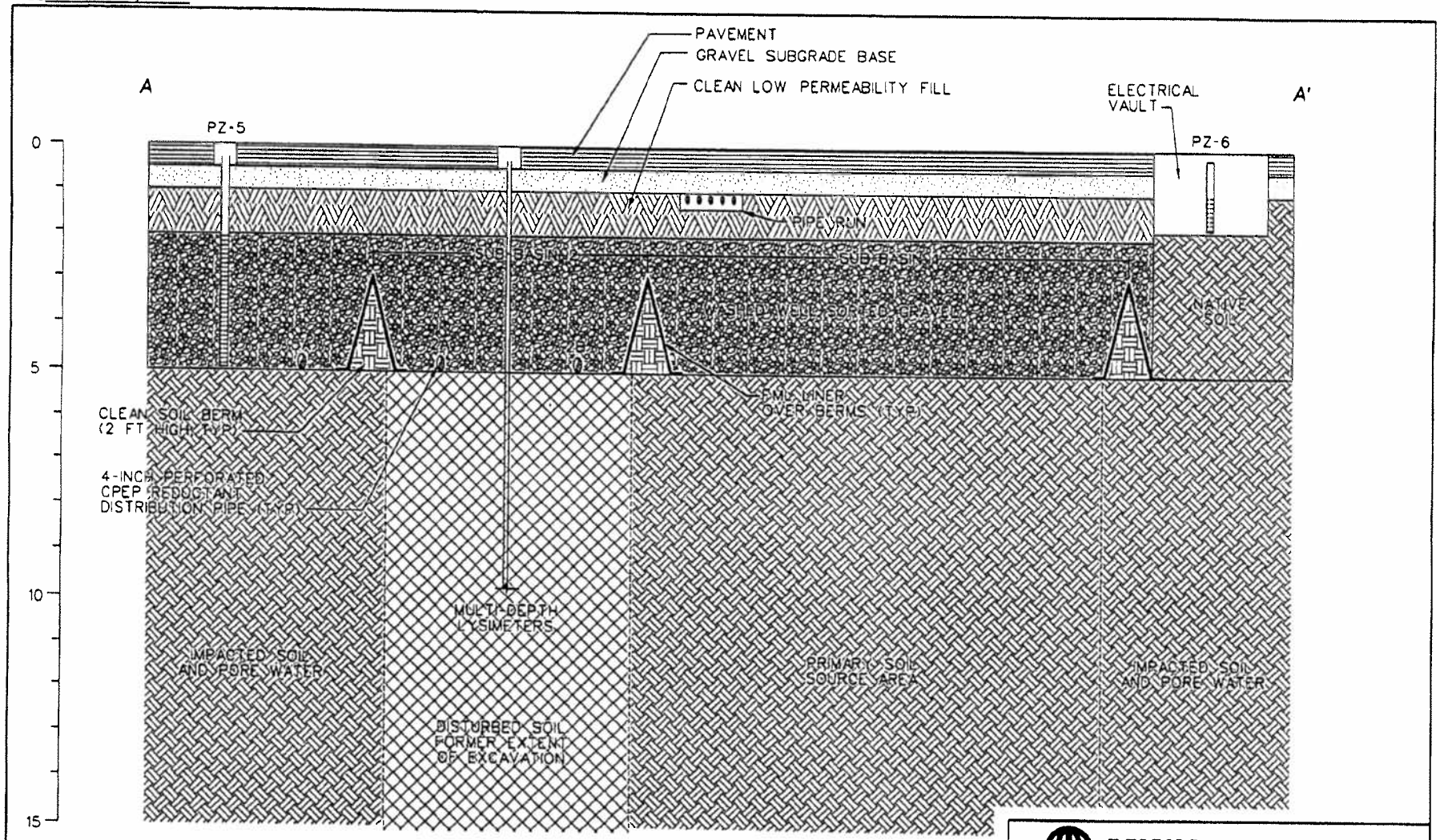


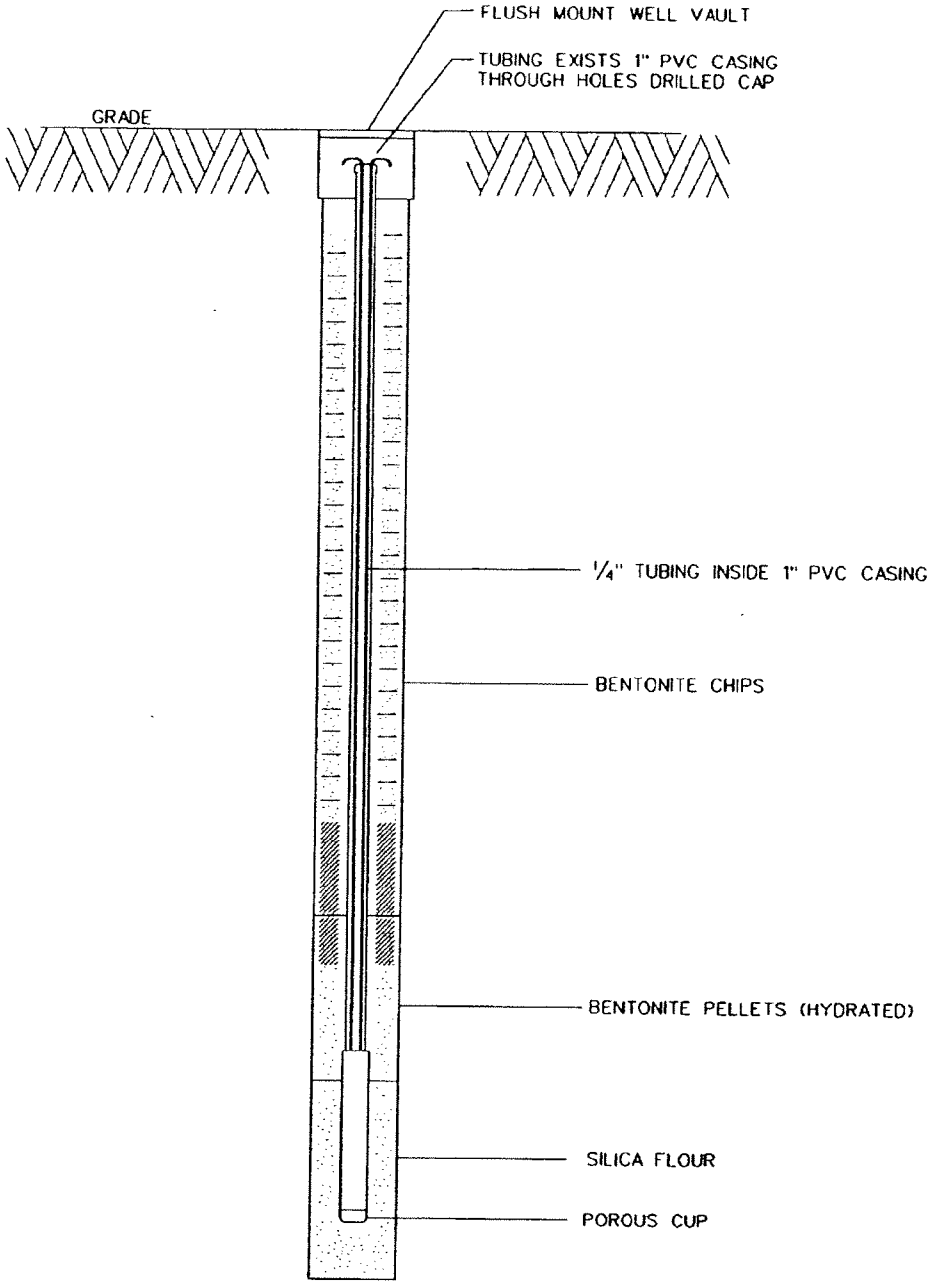
0 6
HORIZONTAL SCALE IN FEET

MWH

HONEYWELL NORTH HOLLYWOOD
NORTH HOLLYWOOD, CALIFORNIA

BASIN
CROSS-SECTION
A-A'

FIGURE 12



NOT TO SCALE

NOTES:

1. IT IS MORE ECONOMICAL AND BETTER SEPARATION IS MAINTAINED BY PLACING EACH LYSIMETER IN A MULTI-DEPTH GROUP IN ITS OWN BORING.

MWH

HONEYWELL NORTH HOLLYWOOD
NORTH HOLLYWOOD, CALIFORNIA

TYPICAL LYSIMETER INSTALLATION DIAGRAM

FIGURE 13

FILE: ...\tsd.dgn

TABLES

TABLE 1

REMEDIATION PROGRESS SAMPLING SCHEDULE
Former Honeywell North Hollywood Site
11600 Sherman Way, North Hollywood, California

MONITORING LOCATION	SAMPLE ANALYSES	METHOD OF ANALYSES	FREQUENCY
Extraction Wells	Volume of water extracted	Field equipment	Daily for first 3 months, three times per week thereafter
	Depth to groundwater	Field equipment	Daily for first 3 months, three times per week thereafter
	pH, ORP, electrical conductivity	Field equipment	Daily for first 3 months, three times per week thereafter
	Hexavalent chromium	HACH Test Kit	Daily for first 3 months, three times per week thereafter
	Dissolved hexavalent chromium	EPA Method 7199	Monthly
	Iron, manganese, arsenic	EPA Method 6010B	Monthly
	Calcium, magnesium, potassium, sodium	EPA Method 6010B	Monthly
	Carbonate/bicarbonate alkalinity	SM2320	Monthly
	Nitrate, nitrite, chloride, sulfate	EPA Method 300.0	Monthly
Treatment System Influent and Effluent	Volume of water treated	Field equipment	Daily for first 3 months, three times per week thereafter
	Volume of reductant used to treat influent	Field equipment	Daily for first 3 months, three times per week thereafter
	Volume of reductant used for basin	Field equipment	Daily for first 3 months, three times per week thereafter
	pH, ORP, electrical conductivity	Field equipment	Daily for first 3 months, three times per week thereafter
	Dissolved hexavalent chromium	EPA Method 7199	Monthly
	VOCs	EPA Method 8260B	Monthly
Infiltration Basin	Volume of reductant solution delivered to basin	Field equipment	Daily for first 3 months, three times per week thereafter
	Flow rate into basin/sub-basins	Field equipment	Daily for first 3 months, three times per week thereafter
Standpipes	Depth of reductant solution	Field equipment	Daily for first 3 months, three times per week thereafter
Lysimeters	pH, ORP, electrical conductivity	Field equipment	Weekly
	Hexavalent chromium	HACH Test Kit	Weekly
	Dissolve hexavalent chromium	EPA Method 7199	Quarterly
Injection Wells	Volume of water injected	Field equipment	Daily for first 3 months, three times per week thereafter
	Well-head press, if applicable	Field equipment	Daily for first 3 months, three times per week thereafter
	Depth to groundwater	Field equipment	Daily for first 3 months, three times per week thereafter

Notes:
EPA - Environmental Protection Agency
ORP - Oxidation/Reduction Potential
VOC - Volatile Organic Compound

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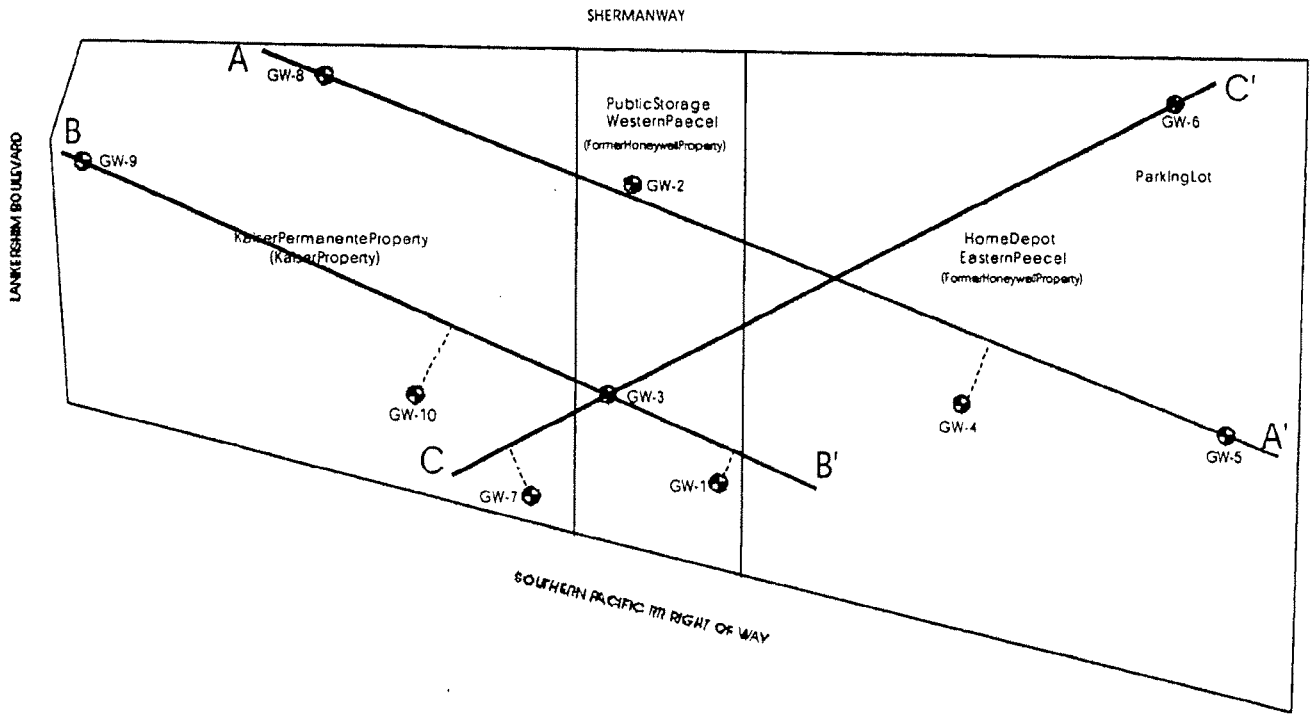
APPENDIX A

GEOLOGIC CROSS-SECTIONS



Legend

GW-1 Approximate location of groundwater monitoring well

Note: Site plan does not show buildings or current Property development

North

Approximate Scale
(1" = 200')

Source: GTI & TAG Teasonl

Figure 2-1

Location of Groundwater Monitoring Wells and Cross Sections

Former Honeywell North Hollywood Site
11600 Sherman Way, North Hollywood

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Pasadena, CA

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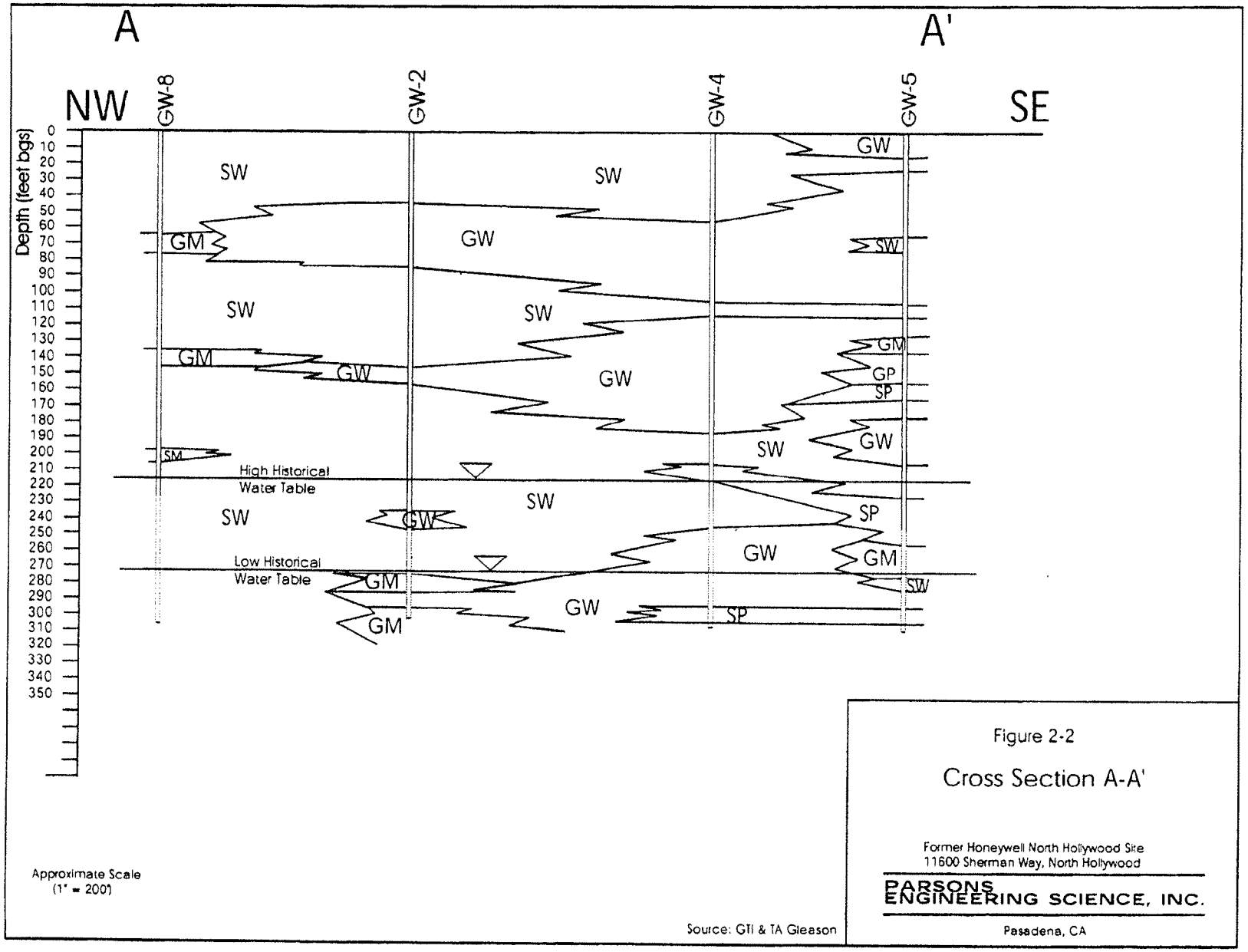


Figure 2-2

Cross Section A-A'

Former Honeywell North Hollywood Site
11600 Sherman Way, North Hollywood

PARSONS ENGINEERING SCIENCE, INC.

Pasadena, CA

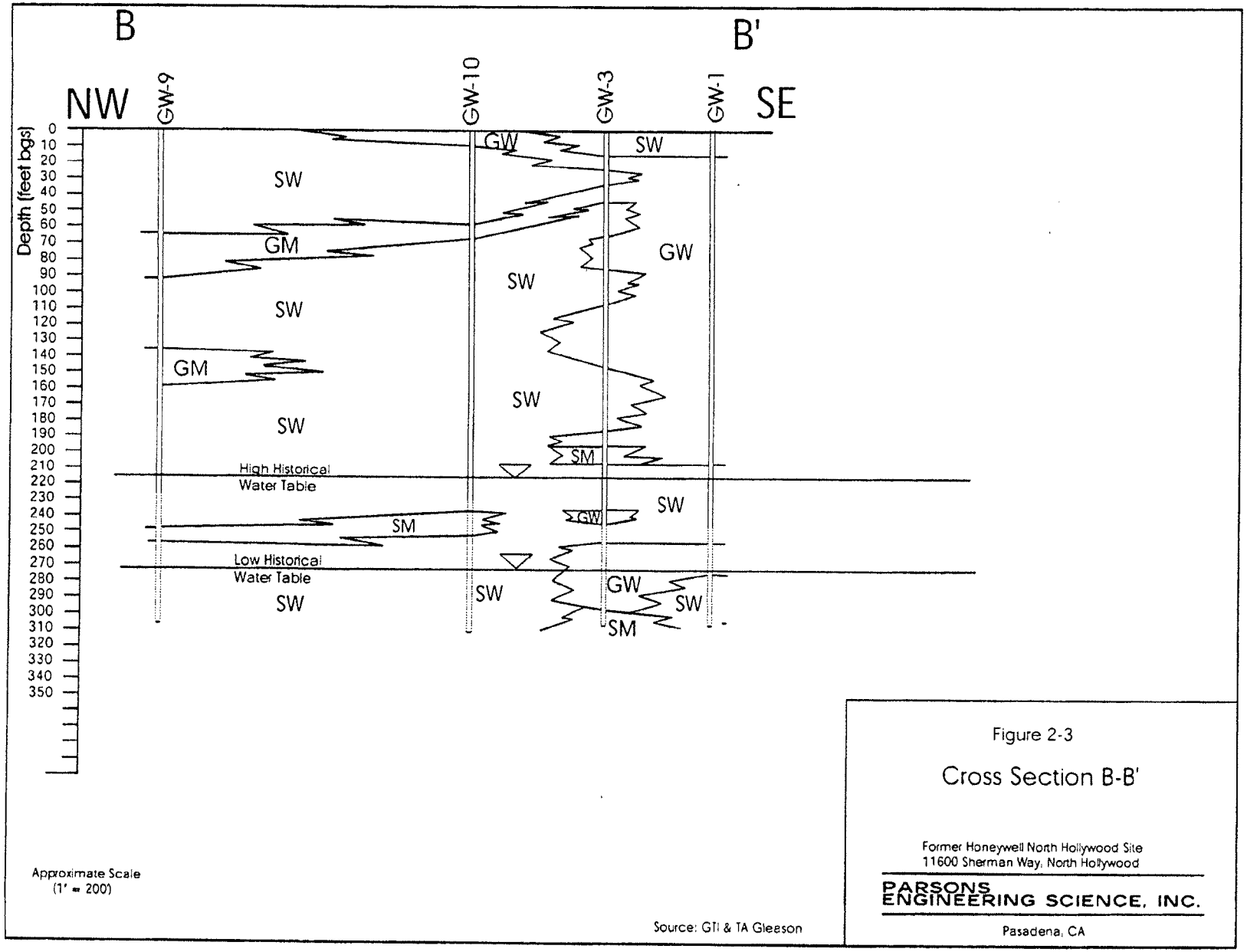


Figure 2-3

Cross Section B-B'

Former Honeywell North Hollywood Site
11600 Sherman Way, North Hollywood

PARSONS ENGINEERING SCIENCE, INC.

Pasadena, CA

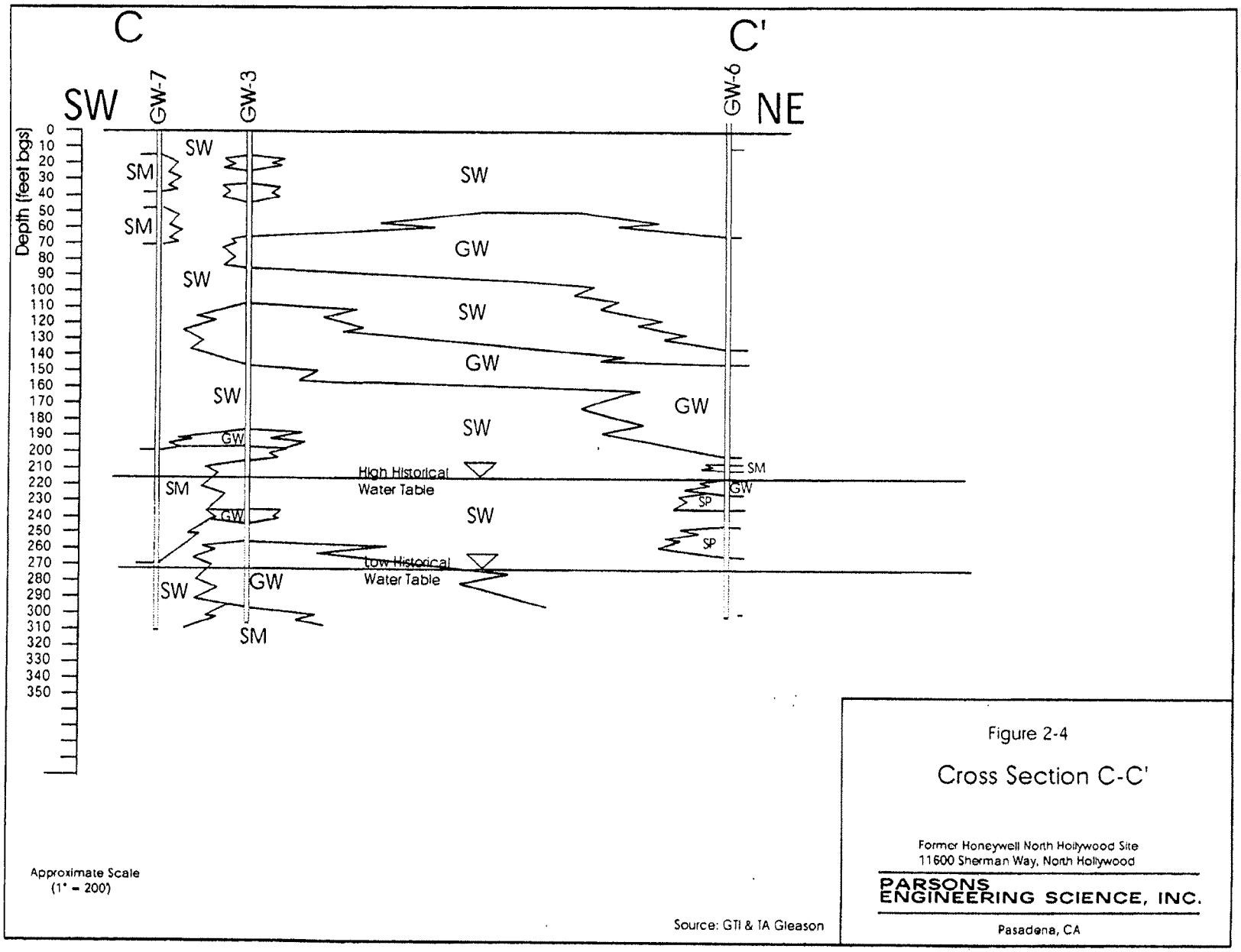


Figure 2-4

Cross Section C-C'

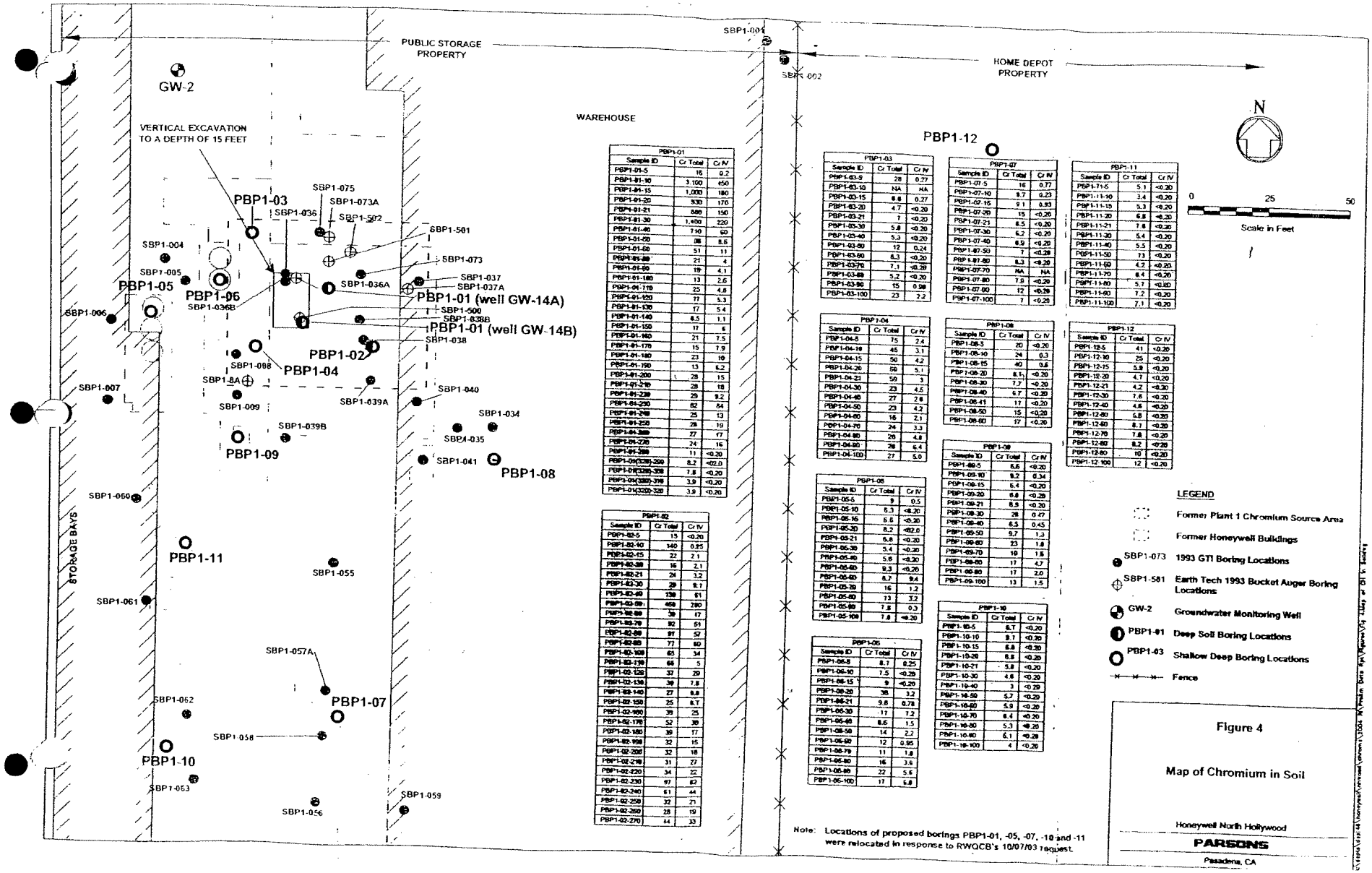
Former Honeywell North Hollywood Site
11600 Sherman Way, North Hollywood

PARSONS ENGINEERING SCIENCE, INC.

Pasadena, CA

APPENDIX B

CHROMIUM CONCENTRATIONS IN SOIL



PBP1-01		
Sample ID	Cr Total	Cr IV
PBP1-01-5	16	0.2
PBP1-01-10	3,100	<50
PBP1-01-15	1,000	180
PBP1-01-20	930	170
PBP1-01-21	880	150
PBP1-01-30	1,400	220
PBP1-01-40	710	60
PBP1-01-50	38	8.6
PBP1-01-60	51	11
PBP1-01-80	21	4
PBP1-01-90	19	4.1
PBP1-01-100	13	2.6
PBP1-01-110	25	4.8
PBP1-01-120	77	5.3
PBP1-01-130	17	5.4
PBP1-01-140	8.5	1.1
PBP1-01-150	17	6
PBP1-01-160	21	7.5
PBP1-01-170	15	7.9
PBP1-01-180	23	10
PBP1-01-190	13	6.2
PBP1-01-200	28	15
PBP1-01-210	28	18
PBP1-01-230	25	9.2
PBP1-01-230	82	84
PBP1-01-240	25	13
PBP1-01-250	28	19
PBP1-01-260	27	17
PBP1-01-270	24	16
PBP1-01-280	11	<0.20
PBP1-01(280)-290	8.2	<0.20
PBP1-01(280)-300	7.8	<0.20
PBP1-01(300)-310	3.9	<0.20
PBP1-01(300)-320	3.9	<0.20

PBP1-02		
Sample ID	Cr Total	Cr IV
PBP1-02-5	15	<0.20
PBP1-02-10	140	0.25
PBP1-02-15	27	2.1
PBP1-02-20	16	2.1
PBP1-02-21	24	3.2
PBP1-02-30	29	8.7
PBP1-02-40	130	61
PBP1-02-50	460	280
PBP1-02-60	39	17
PBP1-02-70	82	51
PBP1-02-80	91	52
PBP1-02-90	77	60
PBP1-02-100	65	34
PBP1-02-110	66	5
PBP1-02-120	37	29
PBP1-02-130	39	7.8
PBP1-02-140	27	6.8
PBP1-02-150	25	6.7
PBP1-02-160	39	25
PBP1-02-170	52	30
PBP1-02-180	39	17
PBP1-02-190	32	15
PBP1-02-200	32	18
PBP1-02-210	31	27
PBP1-02-220	34	22
PBP1-02-230	97	82
PBP1-02-240	61	44
PBP1-02-250	32	21
PBP1-02-260	28	19
PBP1-02-270	44	33

PBP1-03		
Sample ID	Cr Total	Cr IV
PBP1-03-5	28	0.27
PBP1-03-10	NA	NA
PBP1-03-15	8.8	0.27
PBP1-03-20	4.7	<0.20
PBP1-03-21	7	<0.20
PBP1-03-30	5.8	<0.20
PBP1-03-40	5.3	<0.20
PBP1-03-50	12	0.24
PBP1-03-60	8.3	<0.20
PBP1-03-70	7.1	<0.20
PBP1-03-80	5.2	<0.20
PBP1-03-90	15	0.98
PBP1-03-100	23	2.2

PBP1-04		
Sample ID	Cr Total	Cr IV
PBP1-04-5	75	2.4
PBP1-04-10	45	3.1
PBP1-04-15	50	4.2
PBP1-04-20	50	5.1
PBP1-04-21	50	3
PBP1-04-30	23	4.5
PBP1-04-40	27	7.8
PBP1-04-50	23	4.2
PBP1-04-60	16	2.1
PBP1-04-70	24	3.3
PBP1-04-80	26	4.8
PBP1-04-90	28	6.4
PBP1-04-100	27	5.0

PBP1-05		
Sample ID	Cr Total	Cr IV
PBP1-05-5	9	0.5
PBP1-05-10	5.3	<0.20
PBP1-05-15	5.6	<0.20
PBP1-05-20	8.2	<0.20
PBP1-05-21	6.8	<0.20
PBP1-05-30	5.4	<0.20
PBP1-05-40	5.6	<0.20
PBP1-05-50	9.3	<0.20
PBP1-05-60	8.7	9.4
PBP1-05-70	16	1.2
PBP1-05-80	13	3.2
PBP1-05-90	7.8	0.3
PBP1-05-100	7.8	<0.20

PBP1-06		
Sample ID	Cr Total	Cr IV
PBP1-06-5	8.7	0.25
PBP1-06-10	7.5	<0.20
PBP1-06-15	9	<0.20
PBP1-06-20	38	3.2
PBP1-06-21	9.8	0.78
PBP1-06-30	17	7.2
PBP1-06-40	8.5	1.5
PBP1-06-50	14	2.2
PBP1-06-60	12	0.95
PBP1-06-70	11	1.8
PBP1-06-80	16	3.6
PBP1-06-90	22	5.6
PBP1-06-100	17	6.8

PBP1-07		
Sample ID	Cr Total	Cr IV
PBP1-07-5	16	0.77
PBP1-07-10	9.7	0.23
PBP1-07-15	9.1	0.93
PBP1-07-20	15	<0.20
PBP1-07-21	8.5	<0.20
PBP1-07-30	6.2	<0.20
PBP1-07-40	8.9	<0.20
PBP1-07-50	7	<0.20
PBP1-07-60	8.3	<0.20
PBP1-07-70	NA	NA
PBP1-07-80	7.9	<0.20
PBP1-07-90	12	<0.20
PBP1-07-100	7	<0.20

PBP1-08		
Sample ID	Cr Total	Cr IV
PBP1-08-5	20	<0.20
PBP1-08-10	24	0.3
PBP1-08-15	40	0.8
PBP1-08-20	8.1	<0.20
PBP1-08-30	7.7	<0.20
PBP1-08-40	6.7	<0.20
PBP1-08-41	17	<0.20
PBP1-08-50	15	<0.20
PBP1-08-60	17	<0.20

PBP1-09		
Sample ID	Cr Total	Cr IV
PBP1-09-5	6.6	<0.20
PBP1-09-10	9.2	0.34
PBP1-09-15	6.4	<0.20
PBP1-09-20	8.9	<0.20
PBP1-09-21	8.5	<0.20
PBP1-09-30	28	0.27
PBP1-09-40	6.5	0.45
PBP1-09-50	9.7	1.3
PBP1-09-60	23	1.8
PBP1-09-70	10	1.6
PBP1-09-80	17	4.7
PBP1-09-90	17	2.0
PBP1-09-100	13	1.5

PBP1-10		
Sample ID	Cr Total	Cr IV
PBP1-10-5	6.7	<0.20
PBP1-10-10	9.1	<0.20
PBP1-10-15	6.8	<0.20
PBP1-10-20	8.8	<0.20
PBP1-10-21	5.8	<0.20
PBP1-10-30	4.6	<0.20
PBP1-10-40	3	<0.20
PBP1-10-50	5.7	<0.20
PBP1-10-60	5.9	<0.20
PBP1-10-70	8.4	<0.20
PBP1-10-80	5.3	<0.20
PBP1-10-90	6.1	<0.20
PBP1-10-100	4	<0.20

PBP1-11		
Sample ID	Cr Total	Cr IV
PBP1-11-5	5.1	<0.20
PBP1-11-10	3.4	<0.20
PBP1-11-15	5.3	<0.20
PBP1-11-20	6.8	<0.20
PBP1-11-21	7.8	<0.20
PBP1-11-30	5.4	<0.20
PBP1-11-40	5.5	<0.20
PBP1-11-50	7.3	<0.20
PBP1-11-60	4.2	<0.20
PBP1-11-70	8.4	<0.20
PBP1-11-80	5.7	<0.20
PBP1-11-90	7.2	<0.20
PBP1-11-100	7.1	<0.20

PBP1-12		
Sample ID	Cr Total	Cr IV
PBP1-12-5	41	<0.20
PBP1-12-10	25	<0.20
PBP1-12-15	5.9	<0.20
PBP1-12-20	4.7	<0.20
PBP1-12-21	4.2	<0.20
PBP1-12-30	7.6	<0.20
PBP1-12-40	4.6	<0.20
PBP1-12-50	5.8	<0.20
PBP1-12-60	8.7	<0.20
PBP1-12-70	7.8	<0.20
PBP1-12-80	8.2	<0.20
PBP1-12-90	10	<0.20
PBP1-12-100	12	<0.20

Note: Locations of proposed borings PBP1-01, -05, -07, -10 and -11 were relocated in response to RWQCB's 10/07/03 request.

Figure 4

Map of Chromium in Soil

Honeywell North Hollywood

PARSONS

Pasadena, CA

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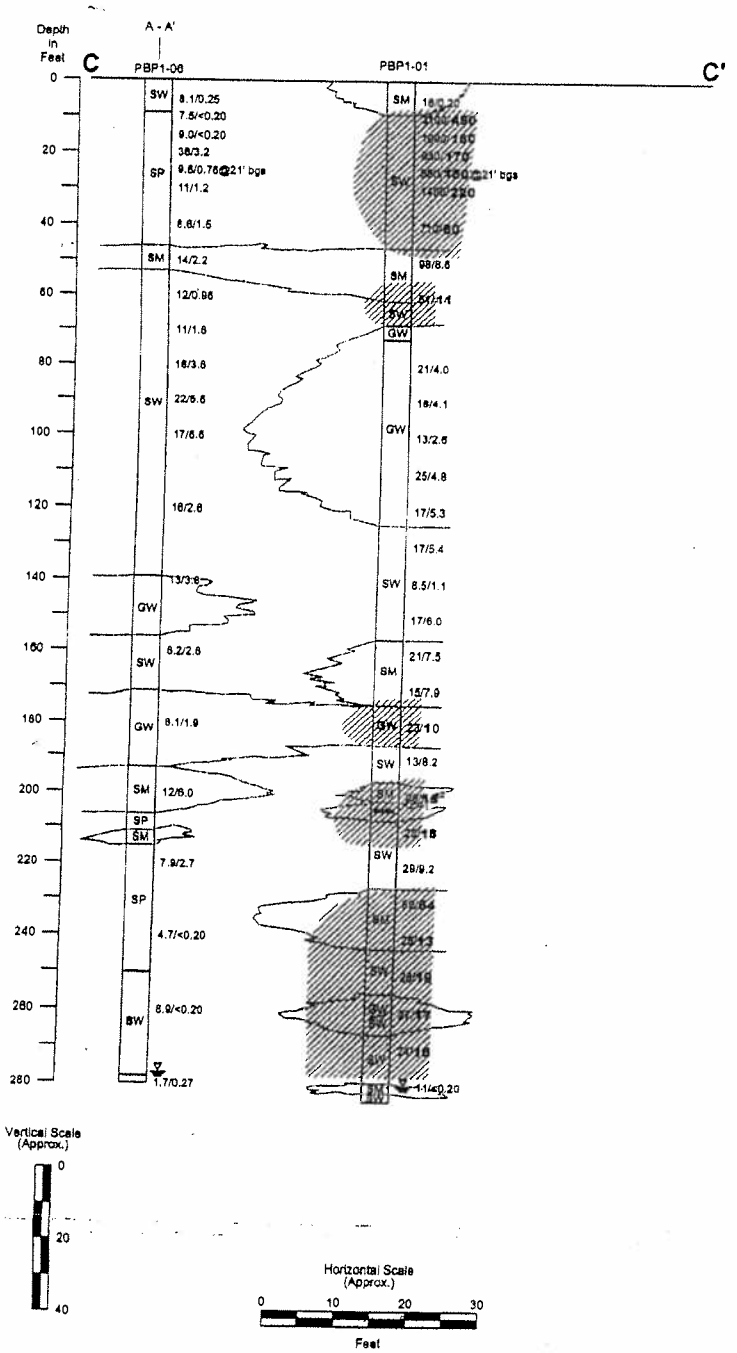

LEGEND

22/41 Total Cr/Cr^{6+} (conc. - mg/kg) [concentrations of Cr^{6+}>10mg/kg in bold]

Approximate limit of 10 mg/kg Cr^{6+} in soil

Refer to Plant 1 Location Map for cross-section locations.

Figure 12

Cross Section C-C'
Total Chromium and Hexavalent Chromium Soil Data

Honeywell North Hollywood

PARSONS

Pasadena, CA

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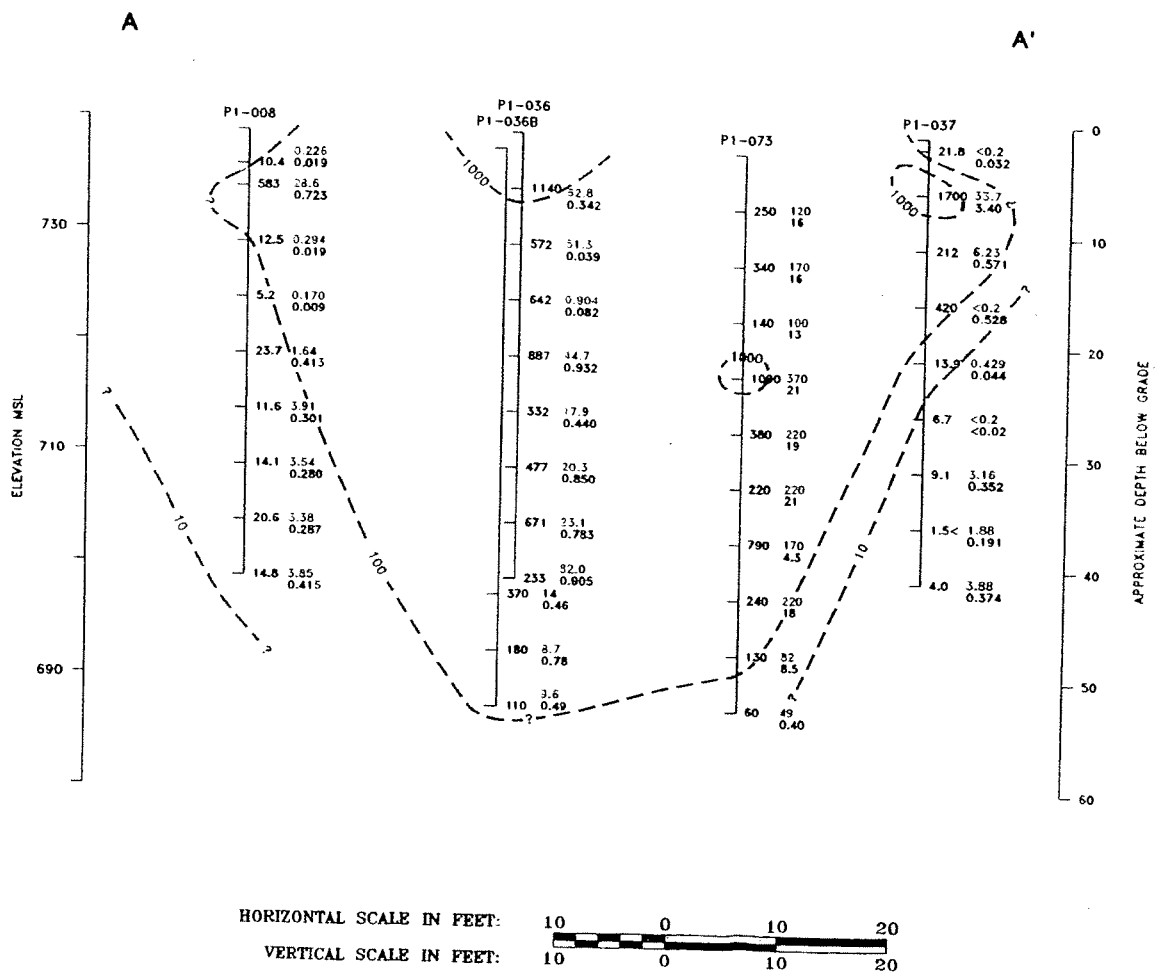


LEGEND

21.8	TTLC CHROMIUM CONCENTRATIONS
0.226	TTLC CHROMIUM VI IN mg/kg
0.019	STLC CHROMIUM VI IN mg/L
- - - -	TTLC TOTAL CHROMIUM CONTOUR LINE

HORIZONTAL SCALE IN FEET: 10 0 10 20

VERTICAL SCALE IN FEET: 10 0 10 20

FLUOR DANIEL GTI

CHROMIUM CONCENTRATIONS (mg/kg) CROSS-SECTION A-A'

CLIENT: ALLIED SIGNAL AEROSPACE COMPANY

LOCATION: 11600 SHERMAN WAY NORTH HOLLYWOOD, CALIFORNIA

FILE: A-ACHR (1:10)

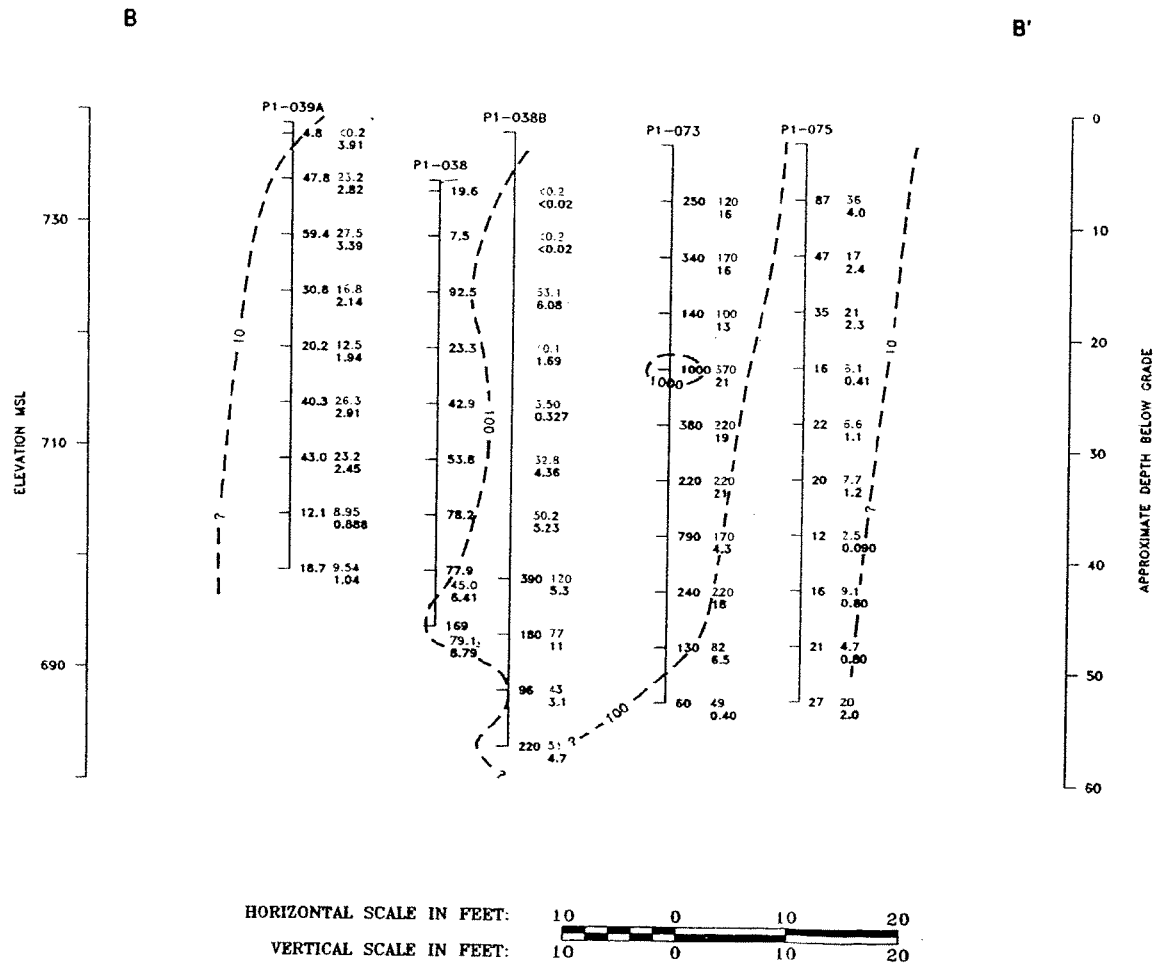
PROJECT NO.: 02160-V417

REV.:

DES.: KR | DET.: EFK | DATE: 9-12-96 | FIGURE: 2

PM: | PE/RG:

3/28/06 104(e)
0502



LEGEND

21.8	TTLC CHROMIUM CONCENTRATIONS
[illegible]	TTLC CHROMIUM VI IN mg/kg
0.019	STLC CHROMIUM VI IN mg/L
— — —	TTLC TOTAL CHROMIUM CONTOUR LINE

FLUOR DANIEL GTI

CHROMIUM CONCENTRATIONS (mg/kg) CROSS-SECTION B-B'

CLIENT: ALLIED SIGNAL AEROSPACE COMPANY

LOCATION: 11600 SHERMAN WAY NORTH HOLLYWOOD, CALIFORNIA

FILE: B-BCHR (1:10) | PROJECT NO.: 02160-V417

REV.:

DES.: KR | DET.: EFK | DATE: 9-12-96 | FIGURE: 3

PM: | PE/RG:

3/28/06 104(e)
0503

APPENDIX C

TREATABILITY STUDY PROTOCOLS

Conceptual Protocol for Scoping Tests for Reductant Selection and Reductant Demands of Contaminated Soil, Honeywell North Hollywood Facility, CA

Objectives:

Bench scale testing will be conducted in the field at the North Hollywood facility. The objectives of these tests are to:

1. Compare the relative effectiveness of three inorganic reductants to reduce hexavalent chromium in the ground water from wells at the site, and

2. Determine the reductant demand of contaminated site soil, *i.e.*, how much of the selected reductant is required to react with the various reducible species (hexavalent chromium, nitrate ion, ferric iron, etc) present in the soil, with information on the rate of reduction.

Approach:

Testing will be conducted in a phased manner to:

1. Select the reductant, based on behavior using actual site ground water, and then

2. Develop data on the reductant demand of a slurry composed of contaminated soil and non-impacted well water.

Reductant Selection - The first phase is designed to produce data to select the most appropriate reductant. Experience gained at other sites indicates calcium polysulfide will be most effective, since it yields sulfide ion capable of reducing hexavalent chromium and produces elemental sulfur as the main reaction product, at near-neutral pH. Metabisulfite and ferric iron involve altered pH conditions. Ferric iron produces more solid waste from the reaction, while metabisulfite generates sulfate ion. To evaluate the effectiveness, testing will involve the following steps:

1. Prepare dilute aqueous solutions of the three reductants.

2. Obtain a bulk sample of contaminated ground water from GW-15, the most contaminated well on site. Measure the pH, ORP, and electrical conductivity of the water.

3. Pour up three sets of 5 beakers, using 100 ml of water in each of the 15 beakers.

4. Add increasing doses of each of the three reductant solutions to the five beakers in each of the three sets. After reductant addition, stir each for at least 30 seconds, then measure the pH and ORP, and allow to set for one hour, with observations of the various beakers, as to color, settling rate of solids, etc.

5. Using a HACH field test kit, determine the chromium concentration in the clarified water in the beaker after one hour. Also, determine the pH, ORP, and electrical conductivity of each beaker in each set.

6. Based on the results from the three sets of beakers, select the reductant which is most effective at reduction of hexavalent chromium, and produces the best settling solids blanket.

7. Pour a two-liter sample of the bulk ground water, and dose it with the selected dose of the selected reductant, and stir to achieve reaction. One half is to be placed in a one-liter settling flask, and observations made as to rate and mass of settlable solids as a function of time. The other half is to be filtered through a 0.45 micron filter and submitted for laboratory analysis of hexavalent chromium and major ions.

Reductant Demand - The second phase of the field testing is to determine the reductant demand exerted by contaminated soil from the site. If no soil material is available from prior drilling in the area of contaminated soil, a sample will be obtained by drilling a bucket hand auger hole (using a pre-cleaned auger) in an area that is known, from previous sampling, to contain elevated hexavalent chromium. Cuttings from the hand auger will be spread on a plastic sheet and blended to produce a homogenous solid sample, and a sample submitted for laboratory determination of hexavalent chromium, ferric iron, and nitrate concentration. A small quantity of the soil will be mixed with an equal volume of distilled water and stirred. The water from the slurry will then be tested for hexavalent chromium with a field test kit to assure that the soil is, in fact, contaminated with chromium.

1. Prepare a slurry by mixing 2 liters of soil with 3 liters of non-impacted well water, and stirring until well mixed and all clods or clumps of soil are desegregated. Remove and discard any rocks more than ½ inch diameter. Determine the pH and ORP of the slurry.

2. Send a sample of the slurry to an analytical laboratory for analysis of hexavalent chromium, ferric iron, manganese, arsenic, nitrate, sulfate, and sulfide.

3. Pour 5 samples of the slurry, each 500 ml in volume. Save a sixth sample as a control.

4. Add increasing doses of the selected reductant solution and stir for at least 5 minutes.

5. Measure the pH and ORP of the slurry, including the control, at the cessation of stirring and each hour thereafter for at least 4 hours, noting any significant fact such as color change, settling rate, etc.

6. Submit the control sample and at least two of the treated slurry samples for analysis of hexavalent chromium, ferric iron, manganese, arsenic, nitrate, sulfate, and sulfide concentration.

Anticipated Outcome

The outcome of the first phase of the field testing will be data on the most-effective reductant, the anticipated concentration of hexavalent chromium in he treated water, and the amount and settling rate of the trivalent chromium solids produced by reaction between the reductant and ground water. The second phase will provide information on the reductant demand exerted by contaminated soil from the area.

APPENDIX B

SOIL AND GROUNDWATER INTERIM REMEDIATION PLAN
APPROVAL LETTER
April 13, 2005

California Regional Water Quality Control Board

Los Angeles Region

Recipient of the 2001 *Environmental Leadership Award* from Keep California Beautiful

Alan C. Lloyd, Ph.D.
Agency Secretary

320 W. 4th Street, Suite 200, Los Angeles, California 90013
Phone (213) 576-6600 FAX (213) 576-6640 - Internet Address: http://www.waterboards.ca.gov/losangeles

Arnold Schwarzenegger
Governor

APR 18 2005

April 13, 2005

Mr. Benny DeHghi
Honeywell International, Inc.
2525 West 190th Street
M/S 23-1-80
Torrance, California 90505-6099

SOIL AND INTERIM GROUNDWATER REMEDIATION ACTION PLAN, CLEANUP AND ABATEMENT ORDER NO. R4-2003-0037 FOR HONEYWELL (FORMER ALLIED-SIGNAL) 11600 SHERMAN WAY, NORTH HOLLYWOOD, CALIFORNIA (FILE NO. 111.0180)

Dear Mr. DeHghi,

California Regional Water Quality Control Board - Los Angeles Region (Regional Board) staff have reviewed the July 30, 2004 Soil and Interim Groundwater Remedial Action Plan (SIGRAP) prepared on behalf of Honeywell International, Inc. (Honeywell) by MWH Americas, Inc. (MWH) for the site referenced above. Additionally, on April 6, 2005 we received the required site-specific health and safety plan applicable to the operations, use and implementation of certain chemical compounds proposed in the SIGRAP.

The SIGRAP and health and safety plan are approved with the following requirements and comments:

1. Waste Discharge Requirements(WDR) will be required from the Regional Board prior to the injection of material into the local aquifer. Based on information in the SIGRAP, an individual WDR may be applicable to your discharge. Please submit a completed Form 200 (available on the Regional Board website), and the appropriate fee before **June 1, 2005**. Please contact the Groundwater Permits section of the Regional Board for the information regarding the fee schedule.
2. The groundwater monitoring and reporting requirements of the approved WDR may differ from that proposed in the SIGRAP document.

If you have any questions regarding this matter, please call Mr. Dixon Oriola at (213) 576-6803; or Mr. Alex Lapostol at (213) 576-6807.

Sincerely,

Jonathan S. Bishop
Executive Officer

cc: Mr. Leighton Fong, City of Glendale
Mr. Mark Mackowski, Upper Los Angeles River Area Watermaster
Mr. Thomas Erb, Los Angeles Department of Water & Power
Mr. David Stensby, USEPA Superfund Division, Region IX, San Francisco
Mr. Bill Mace, City of Burbank Water Supply Department

APPENDIX C

WASTE DISCHARGE REQUIREMENTS PERMIT APPLICATION
Form 200

CALIFORNIA ENVIRONMENTAL PROTECTION AGENCY

State of California
Regional Water Quality Control Board

APPLICATION/REPORT OF WASTE DISCHARGE GENERAL INFORMATION FORM FOR WASTE DISCHARGE REQUIREMENTS OR NPDES PERMIT

I. FACILITY INFORMATION

A. Facility:

Name: Honeywell International Inc. - North Hollywood			
Address: 11600 Sherman Way			
City: North Hollywood	County: Los Angeles	State: CA	Zip Code: 91605
Contact Person: Benny DeHghi		Telephone Number: 310-512-2296	

B. Facility Owner:

Name: Honeywell International Inc.			Owner Type (Check One) 1. [ ] Individual 2. [x] Corporation 3. [ ] Governmental Agency 4. [ ] Partnership 5. [ ] Other:
Address: 2525 West 190th Street			
City: Torrance	State: CA	Zip Code: 90504	
Contact Person: Benny DeHghi		Telephone Number: 310-512-2296	Federal Tax ID: 22-2640650

C. Facility Operator (The agency or business, not the person):

Name: Same as Facility Owner			Operator Type (Check One) 1. [ ] Individual 2. [ ] Corporation 3. [ ] Governmental Agency 4. [ ] Partnership 5. [ ] Other:
Address:			
City:	State:	Zip Code:	
Contact Person:		Telephone Number:	

D. Owner of the Land:

Name: See Attachment			Owner Type (Check One) 1. [ ] Individual 2. [ ] Corporation 3. [ ] Governmental Agency 4. [ ] Partnership 5. [ ] Other:
Address:			
City:	State:	Zip Code:	
Contact Person:		Telephone Number:	

E. Address Where Legal Notice May Be Served:

Address: Same as Facility Owner		
City:	State:	Zip Code:
Contact Person:		Telephone Number:

F. Billing Address:

Address: Same as Facility Owner		
City:	State:	Zip Code:
Contact Person:		Telephone Number:

Form 200 (6/97)

CALIFORNIA ENVIRONMENTAL PROTECTION AGENCY

State of California
Regional Water Quality Control Board

APPLICATION/REPORT OF WASTE DISCHARGE GENERAL INFORMATION FORM FOR WASTE DISCHARGE REQUIREMENTS OR NPDES PERMIT

II. TYPE OF DISCHARGE

Check Type of Discharge(s) Described in this Application (A or B):

[X] A. WASTE DISCHARGE TO LAND [ ] B. WASTE DISCHARGE TO SURFACE WATER

Check all that apply:

- [ ] Domestic/Municipal Wastewater Treatment and Disposal
- [ ] Cooling Water
- [ ] Mining
- [ ] Waste Pile
- [ ] Wastewater Reclamation
- [ ] Animal Waste Solids
- [ ] Land Treatment Unit
- [ ] Dredge Material Disposal
- [ ] Surface Impoundment
- [ ] Industrial Process Wastewater
- [ ] Animal or Aquacultural Wastewater
- [ ] Biosolids/Residual
- [ ] Hazardous Waste (see instructions)
- [ ] Landfill (see instructions)
- [ ] Storm Water
- [X] Other, please describe: In-situ remediation using chemical reduction

III. LOCATION OF THE FACILITY

Describe the physical location of the facility.

1. Assessor's Parcel Number(s)	2. Latitude	3. Longitude
Facility: See below	**Facility:** 34.2	**Facility:** -118.3852
Discharge Point: N/A	**Discharge Point:** N/A	**Discharge Point:** N/A

2320-001-028
2320-001-029
2320-001-030
2320-001-031
2320-001-032

IV. REASON FOR FILING

- [X] New Discharge or Facility
- [ ] Change in Design or Operation
- [ ] Change in Quantity/Type of Discharge
- [ ] Changes in Ownership/Operator (see instructions)
- [ ] Waste Discharge Requirements Update or NPDES Permit Reissuance
- [ ] Other: _____

V. CALIFORNIA ENVIRONMENTAL QUALITY ACT (CEQA)

Name of Lead Agency: California Regional Water Quality Control Board (LARWQCB)

Has a public agency determined that the proposed project is exempt from CEQA? [ ] Yes [X] No An initial study would be proposed.

If Yes, state the basis for the exemption and the name of the agency supplying the exemption on the line below.

Basis for Exemption/Agency: _____

Has a "Notice of Determination" been filed under CEQA? [ ] Yes [X] No

If Yes, enclose a copy of the CEQA document, Environmental Impact Report, or Negative Declaration. If no, identify the expected type of CEQA document and expected date of completion.

Expected CEQA Documents:

[ ] EIR [X] Negative Declaration

Expected CEQA Completion Date: July 30, 2005

State of California
Regional Water Quality Control Board

APPLICATION/REPORT OF WASTE DISCHARGE GENERAL INFORMATION FORM FOR WASTE DISCHARGE REQUIREMENTS OR NPDES PERMIT

I. FACILITY INFORMATION (continued)

D. Owner of the Land

OWNER #1

Name: Kaiser Permanente	Assessor's Parcel Number: 2320-001-030	Operator Type: Corporation
Address: 11668 Sherman Way		
City: North Hollywood	State: California	Zip Code: 91605
Contact Person: Ron Newquist, Facilities Services Manager	Telephone Number: (818) 764-8893	

OWNER #2

Name: Home Depot	Assessor's Parcel Number: 2320-001-028 and 2320-001-029	Operator Type: Corporation
Address: 11600 Sherman Way		
City: North Hollywood	State: California	Zip Code: 91605
Contact Person: John Cox, Assistant Store Manager	Telephone Number: (818) 764-9600	

OWNER #3

Name: Public Storage	Assessor's Parcel Number: 2320-001-031 and 2320-001-032	Operator Type: Corporation
Address: 11620 Sherman Way		
City: North Hollywood	State: California	Zip Code: 91605
Contact Person: Mike Risher, District Manager	Telephone Number: (818) 464-6000	

CALIFORNIA ENVIRONMENTAL PROTECTION AGENCY

State of California
Regional Water Quality Control Board

APPLICATION/REPORT OF WASTE DISCHARGE
GENERAL INFORMATION FORM FOR
WASTE DISCHARGE REQUIREMENTS OR NPDES PERMIT

VI. OTHER REQUIRED INFORMATION

Please provide a COMPLETE characterization of your discharge. A complete characterization includes, but is not limited to, design and actual flows, a list of constituents and the discharge concentration of each constituent, a list of other appropriate waste discharge characteristics, a description and schematic drawing of all treatment processes, a description of any Best Management Practices (BMPs) used, and a description of disposal methods.

Also include a site map showing the location of the facility and, if you are submitting this application for an NPDES permit, identify the surface water to which you propose to discharge. Please try to limit your maps to a scale of 1:24,000 (7.5' USGS Quadrangle) or a street map, if more appropriate.

VII. OTHER

Attach additional sheets to explain any responses which need clarification. List attachments with titles and dates below:

_____

_____

_____

You will be notified by a representative of the RWQCB within 30 days of receipt of your application. The notice will state if your application is complete or if there is additional information you must submit to complete your Application/Report of Waste Discharge, pursuant to Division 7, Section 13260 of the California Water Code.

VIII. CERTIFICATION

"I certify under penalty of law that this document, including all attachments and supplemental information, were prepared under my direction and supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment."

Print Name: Benny Dehghi **Title:** Remedial Manager

Signature: [signature] **Date:** 5/26/05

FOR OFFICE USE ONLY

Date Form 200 Received:	Letter to Discharger:	Fee Amount Received:	Check #:

Form 200 (6/97)

APPENDIX D

ENVIRONMENTAL INFORMATION FORM
INITIAL STUDY PART 1

ENVIRONMENTAL INFORMATION FORM

Initial Study - Part 1

Date Filed:

GENERAL INFORMATION

1. Name and address of developer or project sponsor: Honeywell International Inc.
2525 West 190th Street
Torrance, CA 90504

2. Address of project: 11600 Sherman Way
North Hollywood, CA 91605

Assessor's Block and Lot Number:

MAP BOOK	PAGE	PARCEL NO.	TAX RATE AREA
2320	001	028	00013
2320	001	029	00013
2320	001	030	00013
2320	001	031	00013
2320	001	032	00013

3. Name, address, and telephone number of person to be contacted concerning this project: Benny DeHghi
Phone (310) 512-2296
Honeywell International Inc.
2525 West 190th Street
Torrance, CA 90504

4. Indicate number of the permit application for the project to which this form pertains: File # (to be determined by LARWQCB).

5. List and describe any other related permits and other public approvals required for this project, including those required by city, regional, state and federal agencies: Los Angeles County for groundwater monitoring well installation/destruction permits.

6. Existing zoning district: Commercial/Industrial.

7. Proposed use of site (Project for which this for is filed): The site is currently used for commercial/retail purposes. No changes to this use are currently being planned.

PROJECT DESCRIPTION

8. Site size: The former Honeywell North Hollywood site is comprised of approximately 23.5 acres.

9. Square footage: Not applicable to remediation project.

10. Number of floors of construction: Not applicable to remediation project.

11. Amount of off-street parking provided:	Not applicable to remediation project.
12. Attach plans:	See *Soil and Interim Groundwater Remedial Action Plan for Reduction of Hexavalent Chromium,* prepared by MWH and dated July 30, 2004.
13. Proposed scheduling:	The estimated duration of the program is approximately 5 years.
14. Associated projects:	Not applicable to remediation project.
15. Anticipated incremental development:	Unknown at present/Not applicable to remediation project.
16. If residential, include the number of units, schedule of unit sizes, range of sale prices or rents, and type of household size expected:	Not applicable.
17. If commercial, indicate the type, whether neighborhood, city or regionally oriented, square footage of sales area, and loading facilities:	Unknown at present/Not applicable to remediation project.
18. If industrial, indicate type, estimated employment per shift, and loading facilities:	Unknown at present/Not applicable to remediation project.
19. If institutional, indicate the major function, estimated employment per shift, estimated occupancy, loading facilities, and community benefits to be derived from this project:	Not applicable.
20. If the project involves a variance, conditional use or rezoning application, state this and indicate clearly why the application is required:	Not applicable.

Are the following items applicable to the project or its effects?
(Discuss below all items checked "Yes")

21. Change in existing features of any bays, tidelands, beaches, lakes or hills, or substantial alteration of ground contours?	[ ] Yes	[x] No

22.	Change in scenic views or vistas from existing residential areas or public land or roads.	[ ] Yes	[x] No
23.	Change in pattern, scale or character of general area of project.	[ ] Yes	[x] No
24.	Significant amounts of solid waste or litter.	[ ] Yes	[x] No
25.	Change in dust, ash, smoke, fumes or odors in vicinity.	[ ] Yes	[x] No
26.	Change in ocean, bay, lake, stream or groundwater quality or quantity, or alteration of existing drainage patterns.	[x] Yes	[ ] No

The remediation program will consist of chemical reduction of hexavalent chromium (Cr^{6+}) in selected source areas. The chemical reduction of Cr^{6+} in soil and groundwater will be achieved by introducing a solution of calcium polysulfide (National Sanitation Foundation [NSF] certified for drinking water treatment) and potentially, food-grade carbon sources such as corn syrup, emulsified vegetable oil, and/or lactate to the respective treatment areas. The calcium polysulfide will react with Cr^{6+}, reducing the Cr^{6+} to trivalent chromium, a required nutrient that is relatively innocuous as a toxicant. The trivalent chromium will adsorb onto soil particles.

It is anticipated that the residual reductant will locally raise total organic carbon (TOC); biological activity; and the concentrations of dissolved iron, dissolved manganese, and dissolved arsenic, as well as decrease the dissolved oxygen and redox potential. However, these local conditions are expected to reverse over a period of time after amendment delivery has stopped. The residual reductant will locally raise the calcium content and may raise sulfate content and temporarily impart a taste and odor of hydrogen sulfide. In addition, the reducing conditions in the vicinity of the amendment delivery system can reduce nitrate concentrations that may be present in groundwater. Groundwater quality will be monitored within the treatment application area during and after remediation.

27.	Substantial change in existing noise or vibration levels in the vicinity.	[ ] Yes	[x] No
28.	Site on filled land or on slope of 10 percent or more.	[ ] Yes	[x] No
29.	Use or disposal of potentially hazardous materials, such as toxic substances, flammables or explosives.	[ ] Yes	[x] No
30.	Substantial change in demand for municipal services (police, fire, water, sewage, etc.)	[ ] Yes	[x] No

31. Substantially increase fossil fuel consumption (electricity, oil, natural gas, etc.)	[ ] Yes	[x] No
32. Relationship to a larger project or series of projects.	[ ] Yes	[x] No

ENVIRONMENTAL SETTING

33. Describe the project site as it exists before the project, including information on topography, soil stability, plants and animals, and any cultural, historical or scenic aspects. Describe any existing structures on the site, and the use of the structures. Attach photographs of the site. Snapshots or Polaroid photos will be accepted.	No change in project site topography, soil stability, plants and animals, or special cultural, historical, or scenic aspects are anticipated to occur. Existing structures are for commercial/retail businesses.
34. Describe the surrounding properties, including information on plants and animals, and any cultural, historical or scenic aspects. Indicate the type of land use (residential, commercial, etc.), intensity of land use (one-family, apartment houses, shops, department stores, etc.), and scale of development (height, frontage, set-back, rear yard, etc.). Attach photographs of the vicinity. Snapshots or Polaroid photos will be accepted.	Surrounding properties contain commercial/retail and industrial facilities up to 3 stories high, a railroad right-of-way, and high voltage power transmission lines.

CERTIFICATION

I hereby certify that the statements furnished above and in the attached exhibits present the data and information required for this initial evaluation to the best of my ability, and that the facts, statements, and information presented are true and correct to the best of my knowledge and belief.

Signature: _____ Date: 5/26/05

Print Name: Benny DeHghi For: Honeywell International, Inc.

APPENDIX E

GROUNDWATER MONITORING REPORT
FIRST QUARTER 2005
April 15, 2005

GROUNDWATER MONITORING REPORT
FIRST QUARTER 2005
HONEYWELL NORTH HOLLYWOOD SITE
11600 SHERMAN WAY, NORTH HOLLYWOOD, CALIFORNIA

Prepared For

HONEYWELL INTERNATIONAL INC.
2525 West 190th Street
Torrance, California 90604-6099

Project Number 1890933.0501

April 15, 2005

Prepared by

MWH AMERICAS, INC.
3050 Saturn Street, Suite 205
Brea, California 92821
(714) 646-2020

PROFESSIONAL GEOLOGIST
MICHAEL FLAUGHER
No. 7626
EXP. 8/31/05
STATE OF CALIFORNIA

Michael Flaugher, P.G.
Supervising Geologist

Richard M. Thomasser, P.G.
Principal Hydrogeologist

3/28/06 104(e)
0521

Groundwater Monitoring Report
Honeywell North Hollywood Site

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File

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ACRONYMS AND ABBREVIATIONS

CAO	Cleanup and Abatement Order
cis-DCA	cis-Dichloroethane
DCA	Dichloroethane
DCE	Dichloroethene
DO	Dissolved oxygen
EC	Electrical conductivity
ft msl	Feet above mean sea level
GSA	Geological Survey of America
Honeywell	Honeywell International, Inc.
Hydrologue	Hydrologue Inc.
IGRAP	Interim Groundwater Remedial Action Plan
IRM	Interim Remedial Measures
Kaiser	Kaiser Permanente
MCL	Maximum contaminant level
MS/MSD	Matrix spike/matrix spike duplicate
mg/kg	Milligram per kilogram
µg/L	Microgram per liter
MWH	MWH Americas, Inc.
NHOU	North Hollywood Operable Unit
ORP	Oxidation-reduction potential
PCE	Tetrachloroethene
RAP	Remedial Action Plan
RWQCB	Regional Water Quality Control Board, Los Angeles Region
SIGRAP	Soil and Interim Ground Water Remedial Action Plan
SVE	Soil vapor extraction
TCE	Trichloroethene
USEPA	U.S. Environmental Protection Agency
VOCs	Volatile organic compounds

SECTION 1.0

INTRODUCTION AND BACKGROUND

This report presents details of the quarterly groundwater monitoring activities conducted at the Honeywell North Hollywood site (Site), located at 11600 Sherman Way, North Hollywood, California (Figure 1). This First Quarter 2005 Groundwater Report was prepared by MWH Americas, Inc. (MWH) on behalf of Honeywell International, Inc. (Honeywell). The purpose of groundwater monitoring at the Site is to periodically evaluate the concentrations of chromium, volatile organic compounds (VOCs), and other "emerging chemicals" in groundwater. Field work and related laboratory analyses followed methods and protocols outlined in Appendix A and the June 30, 2003 Revised Remedial Investigation Workplan for Chromium and Emerging Chemicals (Parsons 2003b) and were intended to meet the requirements of the Regional Water Quality Control Board (RWQCB) Cleanup and Abatement Order (CAO) No. R4-2003-037 (RWQCB 2003a).

1.1 SITE DESCRIPTION

The Site is located in the eastern part of the San Fernando Valley and is bordered by Sherman Way to the north, Union Pacific Railroad right-of-way to the south, Lankershim Boulevard to the West, and commercial buildings to the East (Figures 1 and 2). From 1941 through 1992, Bendix Corporation and later AlliedSignal/Bendix Electrodynamics (Bendix was purchased by AlliedSignal, Inc., now known as Honeywell International, Inc.) used the Site for manufacturing hydraulic and pneumatic valves. The former manufacturing facility consisted of two complexes, Plant 1 (which occupied the central portion of the Site) and Plant 2 (which occupied the eastern portion of the Site). During the 1990s, all of the buildings and parking areas were removed from the Site. The Site was then subdivided and re-developed as three separate parcels; the western most parcel (known as the 'Kaiser Property') is occupied by Kaiser Permanente, the middle parcel (known as the 'Western Parcel') is occupied by Public Storage, Inc., and the eastern most parcel (known as the 'Eastern Parcel) is occupied by Home Depot, Inc. Figure 2 shows the current layout, as well as the approximate location of former Plants 1 and 2.

1.2 PREVIOUS INVESTIGATIONS, REMEDIATION, AND REGULATORY HISTORY

Since the late 1980s, phased investigation and soil remediation efforts at the Site have been conducted in coordination with the RWQCB, the lead regulatory agency. The early investigations focused on evaluating the nature and extent of VOCs and metals in the subsurface at the Site.

For many years, VOC-impacted groundwater in the San Fernando Valley Basin has been monitored as part of investigation activities associated with the San Fernando Valley Superfund site. The Honeywell Site is located within the North Hollywood Operable Unit (NHOU). At the request of the RWQCB in a letter dated September 21, 2004, VOCs were

required to be analyzed in all wells in future quarterly groundwater monitoring events (RWQCB 2004).

A Site-wide chromium investigation was conducted in June and July 1993. Approximately 120 cubic yards of chromium-impacted soil was excavated and removed from the former Plant 2 area in October 1994 (Hydrologue Inc. [Hydrologue] 1995). Additional chromium-impacted soil was removed using a bucket auger in 1997 at 'hot spot' areas beneath former Plant 1 area (Earth Tech 1997) to fulfill a RWQCB soil closure requirement. RWQCB granted soil closure for the Eastern and Western Parcels in August 1997 (RWQCB 1997a and 1997b). An additional 230 tons of chromium-impacted soil was removed from the former Plant 1 area from December 1999 to March 2000 during the construction of the present-day Public Storage facility.

Groundwater assessment commenced with the installation of six groundwater monitoring wells (GW-1 through -6) in the Eastern and Western Parcels in 1991. Four additional wells (GW-7 through -10) were installed in the adjacent Kaiser Property in 1993. In July 1997 and February 1998, groundwater samples were analyzed for both total and hexavalent chromium in wells GW-3 and GW-4. Follow-on monitoring for total and hexavalent chromium continued on all wells in July 1998, July 1999, and February 2001.

In 2001, the RWQCB requested the preparation and submittal of a technical report containing, among other things, a summary of all available chromium analytical data at the Site (RWQCB 2001a). In response, Honeywell submitted a Technical Report and Remedial Investigation (RI) Workplan for Chromium to the RWQCB on December 7, 2001 (Parsons 2001). The document provided the requested summary and set forth a proposed program of chromium assessment for soil and groundwater. Additionally in late 2001, a soil vapor extraction (SVE) system was installed in the south parking lot of the Kaiser property to address vadose zone VOCs.

In late February 2003, the RWQCB issued CAO No. R4-2003-0037 (RWQCB 2003a), which required the assessment of emerging chemicals and heavy metals (including total and hexavalent chromium) in the unsaturated and saturated zones beneath the Site. Because the previously submitted RI Workplan addressed many of the assessment requirements contained in the CAO, an Assessment Workplan Addendum that addressed the Board's new requirements was prepared and submitted on March 31, 2003 (Parsons 2003a). The RWQCB provided comments on the December 7, 2001 RI Workplan and the March 31, 2003 Assessment Addendum Workplan in a letter dated May 27, 2003 (RWQCB 2003b). In its letter, the RWQCB required an expanded assessment of soil and groundwater and the preparation and submittal of a revised RI Workplan and an interim groundwater Remedial Action Plan (RAP).

In response to the request for an expanded assessment for soil, Honeywell submitted the Revised Remedial Investigation Workplan for Chromium and Emerging Chemicals, dated June 30, 2003 (Parsons 2003b). On October 23, 2003, the RWQCB approved the Revised Workplan with some modifications (RWQCB 2003b). This Revised Workplan included drilling of 12 soil borings and the installation of a well pair (GW-14A and GW-14B). The

work was executed in 2003 and the results were provided in the report *Remedial Investigation Report for Chromium and Emerging Chemicals*, dated February 27, 2004 (Parsons 2004a).

To address the RWQCB requirement for groundwater interim actions, Honeywell submitted the Interim Groundwater Remedial Action Plan for Chromium (IGWRAP), dated June 30, 2003 (Parsons 2003c). This IGWRAP called for groundwater treatment by *in-situ* methods at the source area and temporary hydraulic containment along the Site boundary. Honeywell also submitted an Interim Remedial Measures (IRM) Workplan for Soil on April 15, 2004 (Parsons 2004c). A Soil and Interim Ground Water Remedial Action Plan (SIGRAP) was submitted on July 30,. 2004 (MWH 2004a). This combined SIGRAP supercedes the previously submitted IGWRAP and IRM Workplan for Soil.

In November 2004, Honeywell commenced installation of 4 offsite monitoring wells to the south and southeast of the site. The Revised Workplan for offsite well installations (Parsons 2004d), as amended by the Revised Amendment to Off-Site Groundwater Monitoring Well Installation Workplan and Response to Amended RWQCB CAO No. R4-2003-0037 (MWH 2005) was approved by both the RWQCB and the EPA. All four of the wells will be completed as multi-screened wells with Barcad samplers to allow for discrete vertical groundwater sampling. As of the date of this report, two wells GW-12 and GW-17 have been completed and wells GW-16 and GW-11 are being developed and having the Barcad samplers installed. Figure 2 shows the locations of the four new offsite wells. Data from well drilling, development, and initial well sampling will be reported in a well completion report no later than June 30, 2005. These wells will be added to the routine groundwater monitoring program during Second Quarter 2005.

SECTION 2.0

GEOLOGY AND HYDROGEOLOGY

The Site is located in the San Fernando Valley, a physiographic basin that is bounded by the San Gabriel Mountains to the north and the Santa Monica Mountains to the south. From a geologic perspective, the valley is underlain by a Holocene-age sedimentary basin that covers nearly 20 square miles. Much of the basin consists of recent alluvium with local thickness that approaches approximately 1,000 feet. The Site is located in the eastern part of the basin, where coarse sandy and gravelly alluvium was deposited by braided streams that originated in the nearby San Gabriel Mountains (Geological Survey of America [GSA] 1986). Previous drilling and logging indicates alluvium beneath the Site varies in composition and texture, as expected in this type of depositional environment. In general, the alluvium is dominated by interbedded sand, gravelly sand, sandy gravel, and gravel.

The Site is hydrogeologically situated in the San Fernando Groundwater Basin, part of the water management area known as the Upper Los Angeles River Area. Water rights in the basin were adjudicated by court decree in 1968 and subsequent extraction by water rights holders have been administered by a basin watermaster. Throughout the basin, significant amounts of groundwater are extracted for the purposes of dewatering, groundwater supply wells, and groundwater remediation. Water supply wells, such as the wells that comprise the various City of Los Angeles well fields, form an important source of drinking water in the area. A basin-wide groundwater remediation program relies on extraction and aboveground treatment to address widespread groundwater contamination due to VOC, nitrate, and chromium.

The general direction of groundwater flow in the basin is east-southeast. Groundwater extraction associated with the municipal well field(s) locally influence, and in some instances, reverse the otherwise natural direction of groundwater flow. The North Hollywood Well Field, a northwest-southeast array of 29 water supply wells located approximately west and south of the Site, has a combined extraction capacity of approximately 20,000 acre-feet per year. The Rinaldi-Toluca Well Field, located approximately northwest of the Site, has an extraction capacity of approximately 30,000 acre-feet per year. Appendix B provides hydrographs for Site monitoring wells. Figure B-1 illustrates the combined hydrographs for monitoring wells GW-1 through GW-10, GW-14A, and GW-14B from July 1991 through February 2005. Table 1 presents well construction details for all on-site wells. During the period 1991 through 2005, the water table elevation lowered by as much as 60 feet. These fluctuations in the water table beneath the Site are attributed to extraction from the well fields.

SECTION 3.0

GROUNDWATER FIELD ACTIVITIES AND RESULTS

Field activities for the First Quarter 2005 monitoring event were performed between February 22 and 25, 2005. These activities included groundwater depth measurements, purging, and sampling of the 13 onsite wells that comprise the current monitoring network at the Site (Figure 2). As discussed in Section 1.2, four new offsite wells are under construction. These wells were not fully completed for incorporation into the First Quarter 2005 monitoring event. However, these wells will be added to routine sampling during Second Quarter 2005. A report detailing well construction, development, and initial sampling results of the 4 new offsite wells will be submitted on or before June 30, 2005.

All field activities were conducted in accordance with field sampling protocols outlined in Appendix A, the Site-Specific Health and Safety Plan for Remediation and Groundwater Monitoring Activities (MWH 2004b), and under the direct supervision of a California-professional geologist.

3.1 GROUNDWATER DEPTH MEASUREMENTS

Depth to groundwater was measured and recorded on February 22, 2005. The data collected is consistent with measurements collected from previous monitoring events. Table 2 presents depth to water and groundwater elevation data. A summary of water level data since First Quarter 2003 is presented on Table C-1 in Appendix C.

3.2 GROUNDWATER LEVEL RESULTS

During the First Quarter 2005 monitoring event, groundwater elevations ranged from 467.07 feet above mean sea level (ft msl) in well GW-6 to 468.72 ft msl in well GW-9. Groundwater elevations were consistently higher than the previous elevations measured in November 2004 by an average of 5.7 feet. Present elevations are within the historical range at the Site (Figure B-1 in Appendix B). Groundwater at the Site exhibited an average horizontal hydraulic gradient of 0.001 feet per foot with a flow direction to the northeast (Figure 3).

Figure 3 is a groundwater elevation contour map based upon the February 2005 measurements. The interpreted groundwater flow direction has remained the same since the Fourth Quarter 2004 sampling event. By contrast, the inferred flow direction during the Third Quarter 2004 was to the southwest. Flow directions have fluctuated in the past as indicated in previous quarterly monitoring events. These changes could be due to fluctuations in pumping well activity in the vicinity of the Site and/or seasonal recharge.

A comparison of water levels in adjacent shallow deep well pair GW-14A and GW-14B in February 2005 shows a 0.25 foot difference in water levels, which equals a 0.013 feet per foot upward gradient calculated by vertical distances between the centers of the screened

intervals. Previously measured water level elevations have shown both upward and downward gradients between these two wells. This variation in water levels could be due to seasonal recharge and production well activities in the vicinity of the Site.

3.2.1 Groundwater Level Transducers

As discussed in the Fourth Quarter 2004 Groundwater Monitoring Report, Honeywell installed water level transducers in each of the 13 onsite wells during First Quarter 2005. The transducers will record water levels (initial on an hourly bases) to evaluate water level trends. These data will be used for interpretation of the effects of nearby pumping wells on groundwater gradient.

This initial data set is being calibrated with survey data for the wells and validated by manual groundwater level measurements to ensure accuracy of the transducers. The results of water level recordings will be presented and discussed in the Second Quarter 2005 Monitoring Report to be submitted by July 15, 2005.

3.3 GROUNDWATER WELL PURGING AND SAMPLING

Purging and sampling activities were conducted from February 22 through 25, 2005. All 13 onsite wells were purged and sampled according to the field sampling protocols outlined in Appendix A. The data presented in tables of this report reflect a low flow purge approach, targeted at the upper portion of the saturated portion of each well screen (where the highest concentrations of constituents of concern would be expected). This purging approach has been utilized since the Third Quarter 2004. Other well purging approaches have been utilized during prior events. Appendix D presents the Groundwater Sampling Logs for First Quarter 2005. Following purging activities, groundwater samples were collected and analyzed in accordance with Table 3. In all, 13 groundwater samples, two duplicate groundwater samples, three trip blanks, and three equipment rinsate blanks were collected and analyzed during the First Quarter 2005 sampling event. Samples were submitted daily to Del Mar Analytical in Irvine, California, a State-certified environmental laboratory.

Due to the logistics of the two wells located in the Home Depot and the large volume of generated waste water as a result of purging activities, optimization of the well purging and sampling approach was evaluated during Fourth Quarter 2004. Based on the results, the methodology that was employed during Fourth Quarter 2004 as the standard method (Protocol B, see below, a low flow purge from a depth of 3 to 5 feet below the water table) was considered the most appropriate approach for future sampling. The only exception noted was at well GW-14A, where Protocols A and D resulted in notable higher concentrations (one order of magnitude) for chromium (VOCs showed no difference). Protocols A and D both employed the use of a bailer to collect water from the very top of the water column; however, Protocol A was to sample without any purging and Protocol D was to sample after three casing volumes. The observed higher concentrations may have represented the actual water table concentrations. Note that well GW-14A is the closest well to the source area, so higher water table concentrations likely occur in the area of GW-14A.

Based on the differences in chromium concentrations in GW-14A, further evaluation at GW-14A and GW-14B was conducted during First Quarter 2005. The purging and sampling protocols evaluated for wells GW-14A and –14B during this sampling event include:

Protocol A No purge sample using a bailer from the top of the water column.

Protocol B (Standard) Purge 3 to 5 feet below top of water and sample through tube after stable parameters using modified low flow. (This is the standard protocol currently employed at the Site and used since Third Quarter 2004 sampling.)

Protocol C Purge 5 feet above bottom of casing and sample through tube after stable parameters using modified low flow.

Protocol D Purge starting in the middle of screen, move pump up every so often until 3 to 5 feet below top of water. Sample after parameters and three casing volumes using modified low flow. Sample using a disposal bailer.

Tabulated data for each of the protocols above and analytical laboratory reports for alternate Protocols A, C, and D are included in Appendix E.

This quarters evaluation on GW-14A protocols resulted in similar concentrations for chromium for all protocols used. The elevated chromium concentrations from Fourth Quarter 2004 were likely a result of not purging the zone where the disposable bailer was submerged for sample collection using Protocols A and D. The final analysis of these protocols is that low flow purging from a depth of 3 to 5 feet below the water table is considered the most appropriate approach for future sampling.

3.4 ANALYTICAL RESULTS

The following section describes the results of laboratory analysis for RWQCB-specified analytes for the First Quarter 2005. Laboratory analytical reports are presented in Appendix F. Tables 4 through 7 summarize the analytical results and field parameters for groundwater samples collected during the First Quarter 2005 monitoring event. Tables C-2 through C-4 in Appendix C present historical analytical data summaries. Data validation is discussed in Section 3.4.6 below.

3.4.1 Field Parameters

Groundwater samples from all wells were measured in the field for pH, oxidation-reduction potential (ORP), electrical conductivity (EC), temperature, dissolved oxygen (DO), and turbidity using field instruments. Table 4 presents the results of the field parameters and are summarized below:

- pH ranged from 7.25 to 7.52.
- ORP ranged from 109.1 to 138 millivolts.
- EC ranged from 1,666,000 to 2,029,000 microseimens per centimeter.

- Temperature ranged from 19.27 to 23.66 degrees Centigrade.
- DO ranged from 1.49 to 11.20 milligrams per liter.
- Turbidity ranged from 0 to 27 nephelometric turbidity units.

The field parameters indicate that groundwater quality across the Site is consistent between Site wells.

3.4.2 Total and Hexavalent Chromium

Total chromium was detected in six of the 13 monitoring wells (Table 5). Detected concentrations of total chromium ranged from 0.05 (GW-14B) to 7.0 milligrams per liter (mg/L) (GW-15). Hexavalent chromium was detected in 8 of the 13 monitoring wells at concentrations ranging from 0.002 (GW-1) to 6.4 mg/L (GW-15). Total and hexavalent chromium concentrations decreased or remained about the same in all wells as compared to Fourth Quarter 2004 (see Tables C-2 and C-3 in Appendix C).

The distribution of chromium in groundwater is shown on Figure 4. Chromium concentrations in upgradient wells GW-2, GW-5, GW-6, GW-8, and GW-9 remain at or below laboratory method detection levels. Concentrations in wells GW-3, -7, -10, -14A, and -15 continue to exhibit the highest concentrations of chromium. These wells are all located in the south-central portion of the Site, downgradient of the Plant 1 source area (Figure 4). Chromium concentrations in wells GW-3, -7, -10, -14A, and -15 have fluctuated with time since quarterly monitoring began. Concentration changes in these wells may be linked to variations in the well purging approach used prior to sampling, as well as the groundwater level and gradient at the Site and pumping in nearby extraction well fields. During Third Quarter 2004 it was noted that over the previous seven quarters (nearly 2 full hydrologic cycles) of monitoring and sampling (March 2003 through September 2004), there was an apparent trend in chromium concentrations related to groundwater level fluctuations in certain wells. Concentration versus time and groundwater elevation graphs were prepared for wells with the highest hexavalent chromium concentrations (GW-3, GW-7, and GW-10) (Appendix B). Based on these graphs there was a general trend for decreases in hexavalent chromium concentration when the water level rises, and increases in concentration when the water level is lower. These trends were most apparent in the 2003 and 2004 data for wells GW-7 and GW-10. Other wells do not exhibit any notable trend. However, during Fourth Quarter 2004, this trend was not apparent, as groundwater levels declined slightly and chromium concentrations also declined in all site wells. Trends in concentration will continue to be evaluated for future groundwater sampling event results.

Total and hexavalent chromium concentrations were detected in well GW-14B at concentrations of 0.05 and 0.045 mg/L, respectively. Trends in water levels and concentrations will continue to be evaluated for future groundwater sampling events.

3.4.3 Title 22 Metals

Table 5 also presents the Fourth Quarter 2004 analytical results for the other Title 22 metals. Concentrations of antimony, beryllium, cadmium, cobalt, copper, lead, mercury, molybdenum, nickel, selenium, silver, thallium, vanadium, and zinc were non-detect in samples collected during the Fourth Quarter 2004 monitoring event. Arsenic was detected in five wells at concentrations ranging from 0.0066 to 0.0082 mg/L, below the MCL of 0.05 mg/L. Barium was detected in all samples at concentrations ranging from 0.26 mg/L to 0.51 mg/L; however, barium concentrations were below the corresponding maximum contaminant level (MCL) of 1,000 µg/L. Zinc was detected in 12 of 13 samples at concentrations of 0.023 mg/L (estimated) in GW-7 to 0.170 mg/L in GW-5.

3.4.4 Volatile Organic Compounds

VOCs were sampled, in accordance with the September 21, 2004 request from the RWQCB (RWQCB 2004). Table 6 presents the First Quarter 2005 analytical results for volatile organic compounds. Ten constituents were detected in groundwater samples collected during First Quarter 20054 and are summarized below:

- 1,1,1-Trichloroethane was detected in well GW-15 at a concentration of 4 µg/L, below the MCL of 200 µg/L.
- 1,1-Dichloroethane (1,1-DCA) was detected in all wells at concentrations ranging from 1.8 to 8 µg/L. Samples from wells GW-5, GW-7, and GW-15 exceeded the MCL of 5 µg/L.
- 1,1-dichloroethene (1,1-DCE) was detected in groundwater samples from GW-7 and -15 at concentrations of 2 and 8 µg/L, respectively. The MCL for 1,1-dichloroethene is 6 µg/L.
- 1,2-DCA was detected in all but one sample collected. Concentrations ranged from 0.64 to 1.9 µg/L, above the MCL of 0.5 µg/L.
- Carbon tetrachloride was detected in well GW-15 at a concentration of 1 µg/L, above the MCL of 0.5 µg/L.
- Chloroform was detected in GW-15 and the duplicate sample for GW-7 at a concentration of 2 and 1 µg/L, respectively.
- cis-1,2-Dichloroethene (cis-1,2-DCE) was detected in all groundwater samples at concentrations ranging from 14 to 37 µg/L, all above the MCL of 6 µg/L.
- Dichlorodifluoromethane was detected in all samples at concentrations ranging from 4.6 to 18 µg/L. All sample results were below the secondary MCL of 1,000 µg/L.

- Tetrachloroethene (PCE) was detected in all samples at concentrations ranging from 8.7 to 18 µg/L, all above the MCL of 5 µg/L.

- Trichloroethene (TCE) was detected in all wells at concentrations ranging from 8.6 to 160 µg/L. All sample results were above the MCL of 5 µg/L.

Figure 5 illustrates the concentrations of TCE and PCE in groundwater.

3.4.5 Emerging Chemicals

Six wells (GW-2, -3, -6, -7, -10, and -15) were analyzed for 1,4-dioxane and perchlorate with the consent of the RWQCB (Parsons 2004b). Except for GW-10, all wells analyzed contained detectable, low-level concentrations of 1,4-dioxane ranging from 4.1 µg/L (GW-2) to 16 µg/L (GW-15) (Table 7). Perchlorate was detected in one well, GW-15, at a concentration of 9 µg/L. Figure 6 illustrates the concentrations of emerging chemicals in groundwater.

3.4.6 Data Validation Summary

Results were reviewed in accordance with the appropriate methods listed above. In addition, the U.S. Environmental Protection Agency (USEPA) Contract Laboratory Program National Functional Guidelines for Organic (USEPA 1999) and Inorganic (USEPA 2002) Data Review were used to provide overall guidance for the validation process. The data review included an evaluation of the following quality control parameters based on standard performance criteria presented in these documents.

- Analytical Holding Times/Sample Preservation
- Method Blanks and Field Blanks
- Surrogate Percent Recovery
- Matrix Spike/Matrix Spike Duplicate (MS/MSD) Sample Performance
- Field Duplicate Comparison
- Detection Limits

All data submitted for this project are of known and acceptable quality as qualified, based on laboratory-established control limits and the data quality objectives. These data are considered acceptable for their intended purposes. The Data Validation Report is included in Appendix G.

SECTION 4.0

CONCLUSIONS

Conclusions that can be made based on the results of the Fourth Quarter 2004 monitoring event are summarized below:

- Groundwater elevations in the unconfined aquifer on February 22, 2005 ranged from 467.07 to 468.72 ft msl. These elevations represent an approximate 5.7 feet increase in the water table when compared to Fourth Quarter 2004 (refer to Tables 2 and Table C-1 in Appendix C for details).

- Groundwater flow direction has not changed since the Third Quarter 2004. The First Quarter data indicates an average horizontal gradient of approximately 0.001 feet/foot and flow to the northeast. By contrast, the inferred flow direction during the Third Quarter 2004 was to the southwest. Flow directions have fluctuated in the past as indicated in previous quarterly monitoring events. A comparison of water levels in adjacent shallow/deep well pair GW-14A and GW-14B show a 0.013 feet per foot upward gradient.

- Detectable total chromium was present in six of the 13 wells at concentrations ranging from 0.05 mg/L (GW-14B) to 7 mg/L (GW-15).

- Hexavalent chromium was detected in 8 of the 13 wells at concentrations ranging from 0.002 mg/L (well GW-1) to 6.4 mg/L (GW-15).

- In general, total and hexavalent chromium concentrations decreased or remained about the same in all wells.

- Concentrations in wells GW-3 -7, -10, -14A, and –15 continue to exhibit the highest concentrations of chromium in all wells that are part of the sampling program, but remain within historical concentration ranges.

- VOCs were sampled for per RWQCB request. Ten VOCs were detected during the First Quarter 2005 sampling event. Of the ten, seven (1,1-DCA, 1,1-DCE, 1,2-DCA, carbon tetrachloride, cis-1,2-DCE, PCE, and TCE) were detected above MCLs.

- 1,4-Dioxane was detected in five of the six wells analyzed, at concentrations ranging from 4.1 µg/L (GW-2) to 16 µg/L (GW-15). In general, the levels of this emerging chemical are within the historical range at the Site.

- Perchlorate was detected only in well GW-15, at a concentration of 9 µg/L.

Honeywell has installed water level transducers in the 13 on-site wells during First Quarter 2005. Data recorded by the transducers will be discussed beginning in Second Quarter 2005. The next groundwater monitoring event is scheduled for the Second Quarter 2005 and a report documenting the results of that work will be submitted to the RWQCB by July 15, 2005.

SECTION 5.0

REFERENCES

Earth Tech, 1997. *Follow-up Investigative Report*, October.

GSA, 1986. *Hydrogeology of Southern California.*

Hydrologue, 1995. *Closure Report - Excavation and Treatment of Shallow Soil Impacted by Total Petroleum Hydrocarbons*, January 28.

MWH, 2004a. *Soil and Interim Groundwater Remedial Action Plan for Reduction of Hexavalent Chromium, Honeywell North Hollywood Site, 11600 Sherman Way, North Hollywood, California*, July 30.

MWH, 2004b. *Health and Safety Plan for Remediation and Groundwater Monitoring Activities, Honeywell North Hollywood Site, 11600 Sherman Way, North Hollywood, California*, August.

MWH, 2005. *Revised Amendment to Off-Site Groundwater Monitoring Well Installation Workplan and Response to Amended RWQCB CAO No. R4-2003-0037, Honeywell North Hollywood Site, 11600 Sherman Way, North Hollywood, California*, January 31.

Parsons, 2001. *Technical Report and Remedial Investigation Workplan for Chromium, Honeywell, 11600 Sherman Way, North Hollywood, California*, December 7, 2001.

Parsons, 2003a. *Assessment Workplan Addendum – Emerging Chemicals and Chromium in the Unsaturated and Saturated Zones, Honeywell International, Inc., 11600 Sherman Way, North Hollywood, California*, March 31.

Parsons, 2003b. *Revised Remedial Investigation Workplan for Chromium and Emerging Chemicals, Honeywell, 11600 Sherman Way, North Hollywood, California*, June 30.

Parsons, 2003c. *Interim Groundwater Remedial Action Plan For Chromium, 11600 Sherman Way, North Hollywood, California*, June 30.

Parsons, 2004a. *Remedial Investigation Report, Honeywell North Hollywood*, February 28.

Parsons, 2004b. *Analytical Program for Groundwater Monitoring, Former Honeywell International, Inc. Facility, 11600 Sherman Way, North Hollywood, California*, March 10.

Parsons, 2004c. *Interim Remedial Measures, Former Honeywell International, Inc. Facility*, April 15.

Parsons, 2004d. *Revised Workplan Amending Revised Remedial Investigation Workplan Dated June 2003, Honeywell North Hollywood, 11600 Sherman Way, North Hollywood, California*, July 21.

RWQCB, 1997a. *Closure for Allied Signal Western Parcel - Allied Signal Inc., 11600 Sherman Way, North Hollywood, California (File No. 111.0180)*, August 12.

RWQCB, 1997b. *Closure for the Eastern Portion of Allied Signal Property, 11600 Sherman Way, North Hollywood, (File No. 111.0180)*, August 26.

RWQCB, 2001. *Requirement for a Technical Report Pursuant to California Water Code Section 13267 - Home Depot (Former Allied-Signal/Bendix), 11600 Sherman Way, North Hollywood, CA 91605 (File No. 111.0180)*, March 9.

RWQCB, 2003a. *Cleanup and Abatement Order No. R4-2003-0037 for Honeywell International Inc. (Formerly Allied Signal Inc.), 11600 Sherman Way, North Hollywood, California (File No. 111.0180)*, February 21.

RWQCB, 2003b. *Comments on the Technical Report and Remedial Investigation Workplan for Chromium, in Addition to the Assessment Workplan Addendum for Emerging Chemicals in the Unsaturated and Saturated Zones, Honeywell International Inc. (Formerly Allied Signal Inc.), 11600 Sherman Way, North Hollywood, California (File No. 111.0180)*, Letter dated May 27.

RWQCB, 2004. *Clean and Abatement Order No. R4-2003-0037 for Honeywell (Former Allied-Signal) 11600 Sherman Way, North Hollywood, California (File No. 111.0180)*, Letter dated September 21.

USEPA, 1999. Contract Laboratory Program National Functional Guidelines for Organic Data Review. EPA540/R-99/008. Office of Emergency and Remedial Response U.S. Environmental Protection Agency. Washington, D.C.

USEPA, 2002. Contract Laboratory Program National Functional Guidelines for Inorganic Data Review. EPA540/R-01/008. Office of Emergency and Remedial Response U.S. Environmental Protection Agency. Washington, D.C.

FIGURES

SOURCE: U.S.G.S. 7.5' QUAD SHEET
BURBANK, CALIFORNIA
PHOTOREVISED 1980

0 FEET 2000
SCALE

N

MWH

HONEYWELL NORTH HOLLYWOOD SITE
NORTH HOLLYWOOD, CALIFORNIA

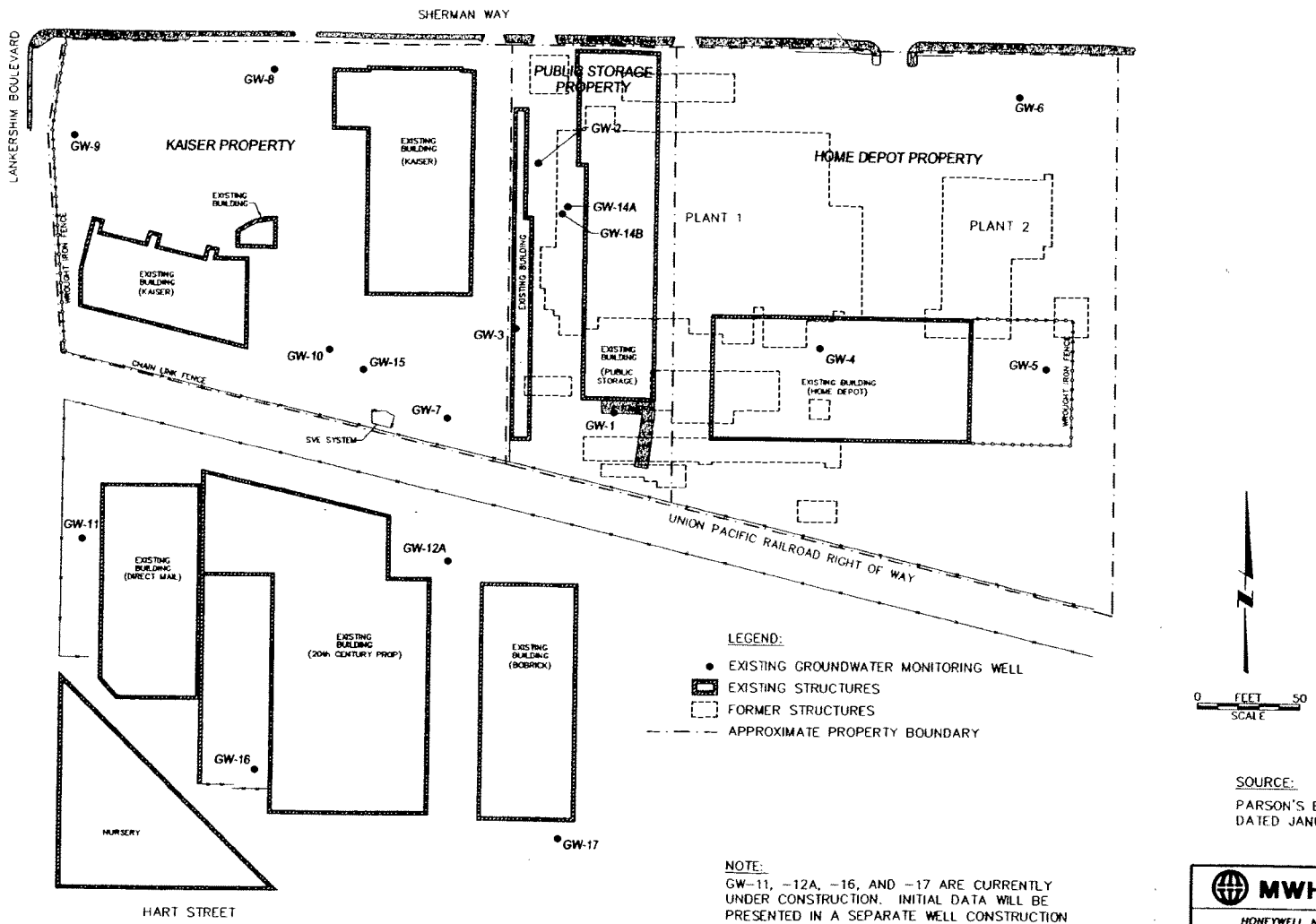
SITE LOCATION MAP

FIGURE 1

FILE: CADMLVEBKE\HONEYWELL\NORTHHOLLYWOOD\SLMAP 9 04

JOB No.

3/28/06 104(e)
0542



SOURCE:
PARSON'S BASEMAP, DATED JANUARY 2004.

NOTE:
GW-11, -12A, -16, AND -17 ARE CURRENTLY UNDER CONSTRUCTION. INITIAL DATA WILL BE PRESENTED IN A SEPARATE WELL CONSTRUCTION REPORT, AND THESE WELLS WILL BE INCORPORATED INTO ROUTINE GROUNDWATER M&S BEGINNING IN SECOND QUARTER 2005.

MWH

HONEYWELL NORTH HOLLYWOOD SITE
NORTH HOLLYWOOD, CALIFORNIA

SITE PLAN AND FORMER FACILITY LAYOUT

FIGURE 2

JOB No. 1890933 FILE No. INDSYR\INDUSTRIAL\CAD MLUEBKE\HONEYWELL\NORTH HOLLYWOOD\SITE & RESULTS 4.05

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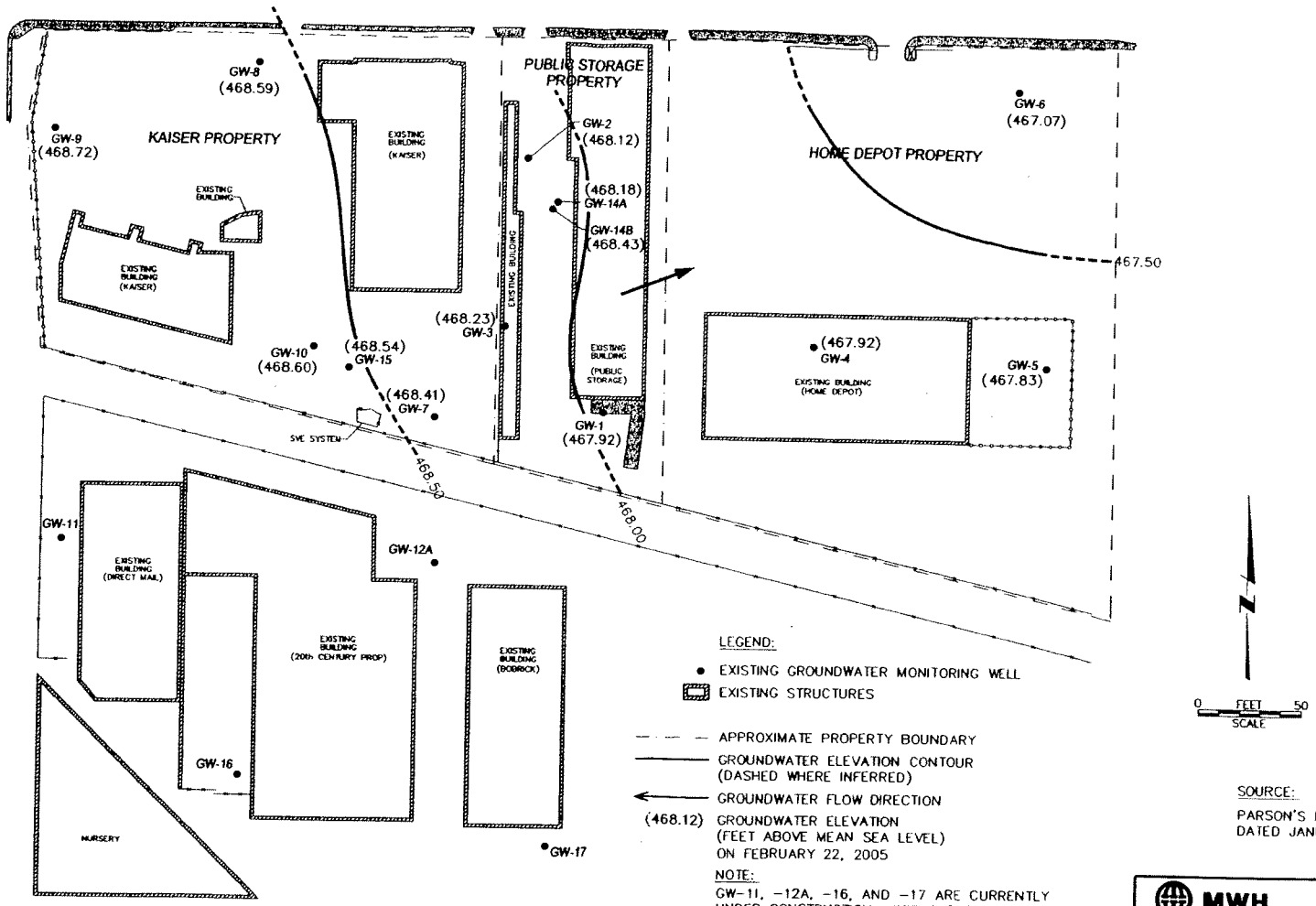
0543



LEGEND:

- ● EXISTING GROUNDWATER MONITORING WELL
- EXISTING STRUCTURES
- APPROXIMATE PROPERTY BOUNDARY
- GROUNDWATER ELEVATION CONTOUR (DASHED WHERE INFERRED)
- GROUNDWATER FLOW DIRECTION
- (468.12) GROUNDWATER ELEVATION (FEET ABOVE MEAN SEA LEVEL) ON FEBRUARY 22, 2005

NOTE:

GW-11, -12A, -16, AND -17 ARE CURRENTLY UNDER CONSTRUCTION. INITIAL DATA WILL BE PRESENTED IN A SEPARATE WELL CONSTRUCTION REPORT, AND THESE WELLS WILL BE INCORPORATED INTO ROUTINE GROUNDWATER M&S BEGINNING IN SECOND QUARTER 2005.

SOURCE:

PARSON'S BASEMAP, DATED JANUARY 2004.

MWH

HONEYWELL NORTH HOLLYWOOD SITE
NORTH HOLLYWOOD, CALIFORNIA

GROUNDWATER ELEVATION CONTOUR MAP FEBRUARY 2005

FIGURE 3

JOB No. 1890933 FILE No. INDSVR\INDUSTRIAL\CAD MLUEBKE\HONEYWELL\NORTH HOLLYWOOD\SITE & RESULTS 4 05

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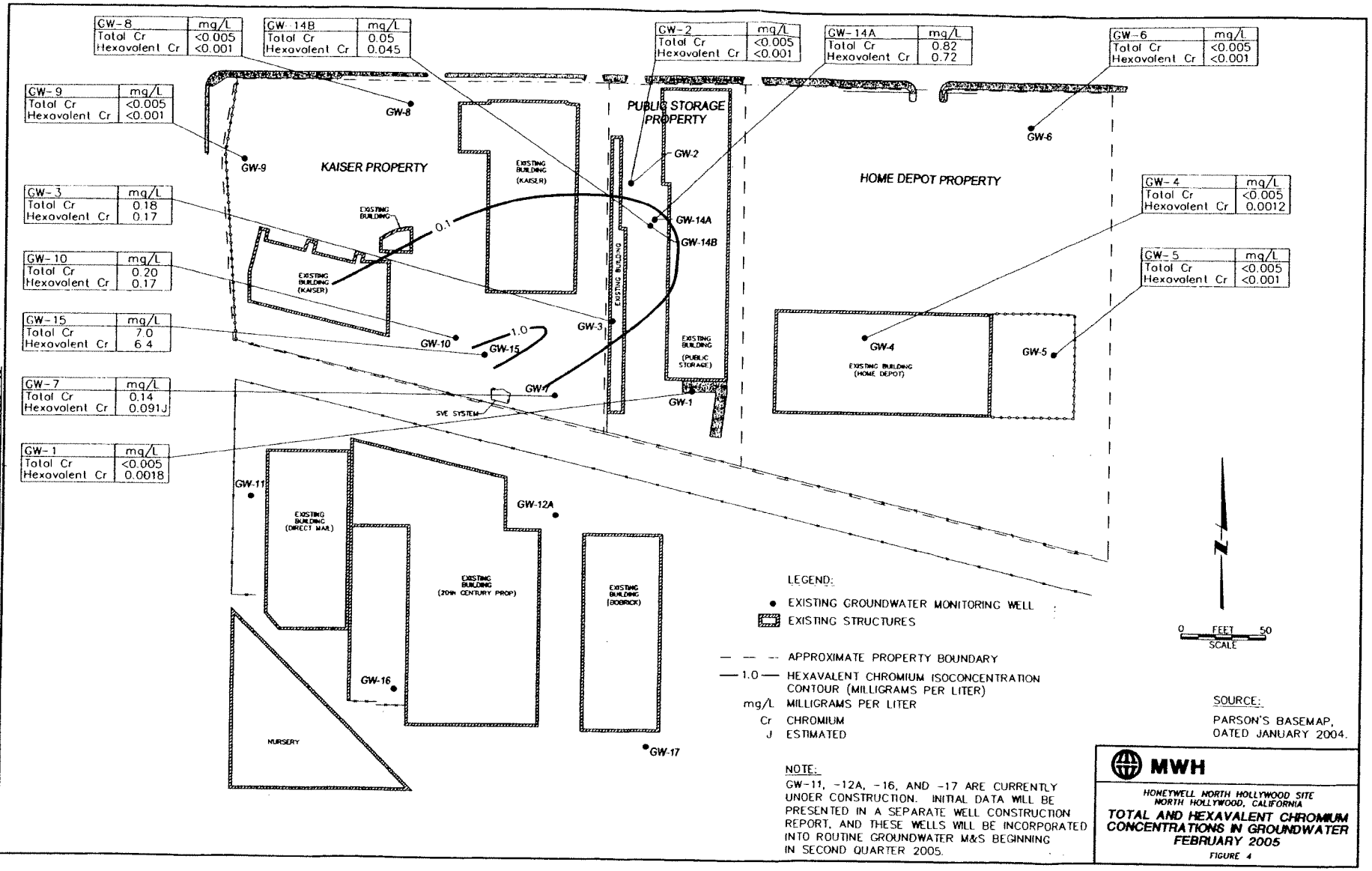
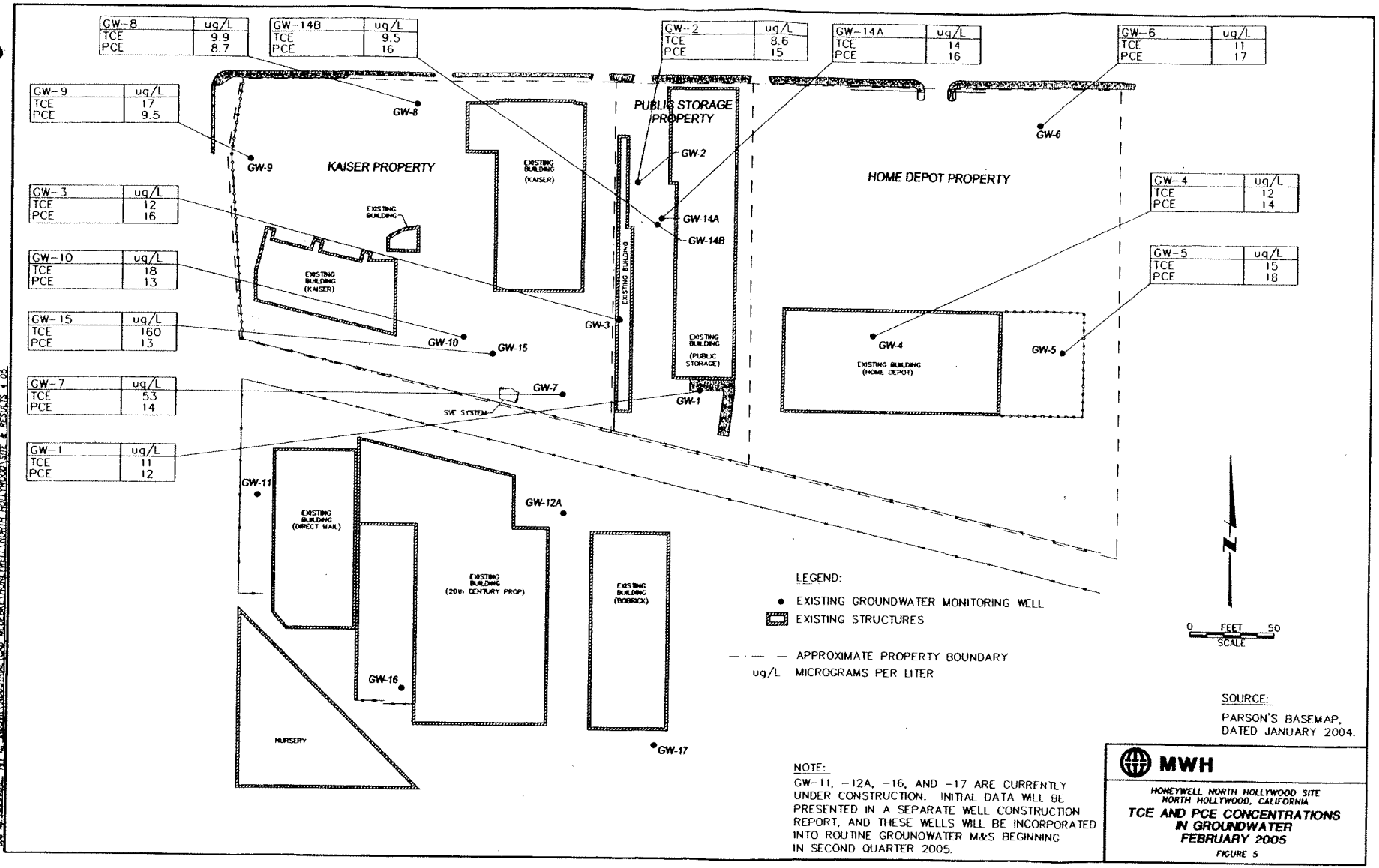
0544


GW-8 | mg/L
Total Cr | <0.005
Hexavalent Cr | <0.001
GW-14B | mg/L
Total Cr | 0.05
Hexavalent Cr | 0.045
GW-2 | mg/L
Total Cr | <0.005
Hexavalent Cr | <0.001
GW-14A | mg/L
Total Cr | 0.82
Hexavalent Cr | 0.72
GW-6 | mg/L
Total Cr | <0.005
Hexavalent Cr | <0.001
GW-9 | mg/L
Total Cr | <0.005
Hexavalent Cr | <0.001
GW-3 | mg/L
Total Cr | 0.18
Hexavalent Cr | 0.17
GW-10 | mg/L
Total Cr | 0.20
Hexavalent Cr | 0.17
GW-15 | mg/L
Total Cr | 7.0
Hexavalent Cr | 6.4
GW-7 | mg/L
Total Cr | 0.14
Hexavalent Cr | 0.091J
GW-1 | mg/L
Total Cr | <0.005
Hexavalent Cr | 0.0018
GW-4 | mg/L
Total Cr | <0.005
Hexavalent Cr | 0.0012
GW-5 | mg/L
Total Cr | <0.005
Hexavalent Cr | <0.001
PUBLIC STORAGE PROPERTY
KAISER PROPERTY
HOME DEPOT PROPERTY
EXISTING BUILDING (KAISER)
EXISTING BUILDING
EXISTING BUILDING (KAISER)
EXISTING BUILDING
EXISTING BUILDING (PUBLIC STORAGE)
EXISTING BUILDING (HOME DEPOT)
SVE SYSTEM
EXISTING BUILDING (DIRECT MAIL)
EXISTING BUILDING (20th CENTURY PROP)
EXISTING BUILDING (DOBRICK)
NURSERY
0.1
1.0
GW-8
GW-9
GW-6
GW-2
GW-14A
GW-14B
GW-3
GW-10
GW-15
GW-7
GW-1
GW-4
GW-5
GW-11
GW-12A
GW-16
GW-17
LEGEND:
EXISTING GROUNDWATER MONITORING WELL
EXISTING STRUCTURES
APPROXIMATE PROPERTY BOUNDARY
1.0 HEXAVALENT CHROMIUM ISOCONCENTRATION CONTOUR (MILLIGRAMS PER LITER)
mg/L MILLIGRAMS PER LITER
Cr CHROMIUM
J ESTIMATED
NOTE:
GW-11, -12A, -16, AND -17 ARE CURRENTLY UNDER CONSTRUCTION. INITIAL DATA WILL BE PRESENTED IN A SEPARATE WELL CONSTRUCTION REPORT, AND THESE WELLS WILL BE INCORPORATED INTO ROUTINE GROUNDWATER M&S BEGINNING IN SECOND QUARTER 2005.
N
0 FEET 50
SCALE
SOURCE:
PARSON'S BASEMAP, DATED JANUARY 2004.
MWH
HONEYWELL NORTH HOLLYWOOD SITE
NORTH HOLLYWOOD, CALIFORNIA
TOTAL AND HEXAVALENT CHROMIUM CONCENTRATIONS IN GROUNDWATER
FEBRUARY 2005
FIGURE 4



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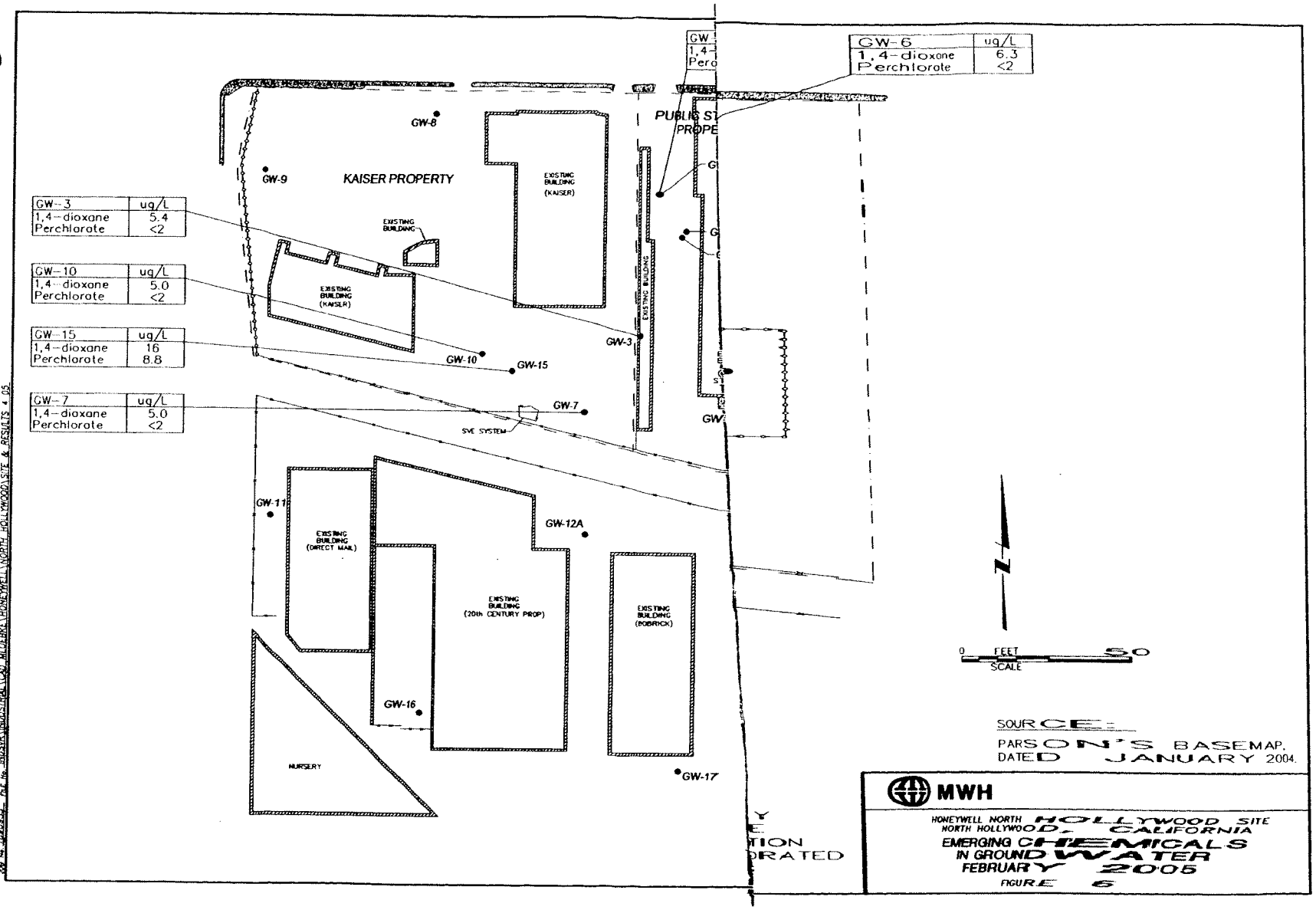

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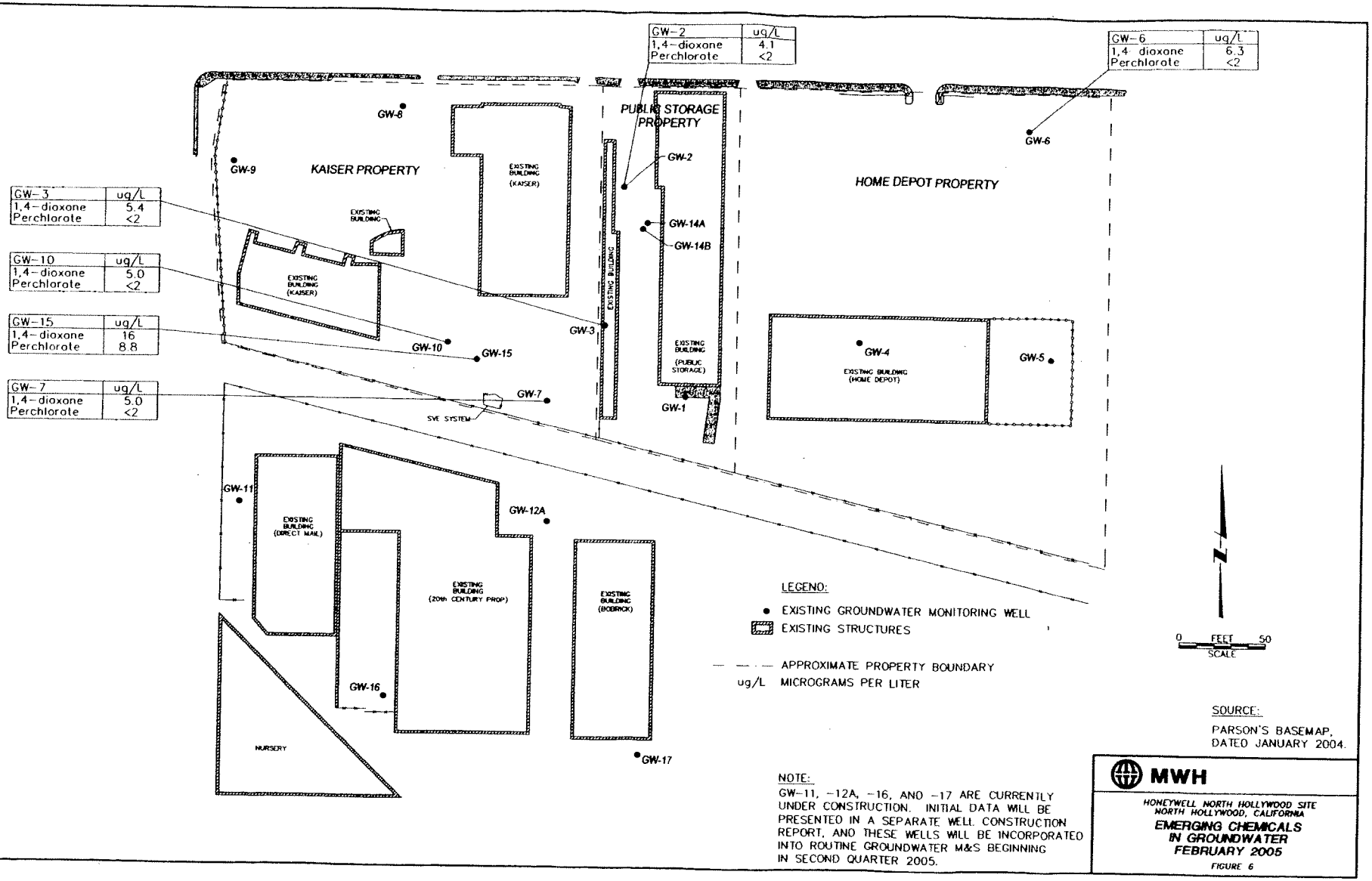
0547



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TABLES

TABLE 1

WELL CONSTRUCTION DETAILS
Honeywell North Hollywood Site
11600 Sherman Way, North Hollywood, California

Well ID	Well Installation Date	Screen Length (feet)	Screen Interval (ft bgs)	Total Depth (ft bgs)	Well Diameter (inches)	Screen Slot Size (inches)	Screen Type
GW-1	07/12/91	60	245-305	305	4	0.030	Sch 80 PVC
GW-2	07/01/91	60	241-301	301	4	0.030	Sch 80 PVC
GW-3	07/09/91	60	245-305	305	4	0.030	Sch 80 PVC
GW-4	07/03/91	60	245-305	305	4	0.030	Sch 80 PVC
GW-5	06/27/91	60	248-308	308	4	0.030	Sch 80 PVC
GW-6	07/16/91	60	245-305	305	4	0.030	Sch 80 PVC
GW-7	07/01/93	80	230-310	310	4	0.030	Stainless Steel
GW-8	07/19/93	80	225-305	305	4	0.030	Stainless Steel
GW-9	07/23/93	80	223-303	303	4	0.030	Stainless Steel
GW-10	07/12/93	80	230-310	310	4	0.030	Stainless Steel
GW-14A	12/04/03	30	255-285	285	4	0.020	Sch 80 PVC
GW-14B	12/12/03	27	285-312	312	6	0.020	Sch 80 PVC
GW-15	04/15/04	85	245-330	335	6	0.020	Stainless Steel

Notes:
ft bgs - Feet below ground surface
NA - Not available
PVC - Polyvinylchloride
Sch - Schedule

TABLE 2

GROUNDWATER ELEVATIONS - FIRST QUARTER 2005
Honeywell North Hollywood Site
11600 Sherman Way, North Hollywood, California

Well ID	Date Measured	Top of Casing Elevation (ft msl)[1]	Depth to Water (ft btoc)	Groundwater Elevation (ft msl)
GW-1	02/22/05	741.90	273.98	467.92
GW-2	02/22/05	741.11	272.99	468.12
GW-3	02/22/05	738.99	270.76	468.23
GW-4	02/22/05	742.83[2]	274.91	467.92
GW-5	02/22/05	742.17[2]	274.34	467.83
GW-6	02/22/05	744.98[2]	277.91	467.07
GW-7	02/22/05	736.95	268.54	468.41
GW-8	02/22/05	744.28	275.69	468.59
GW-9	02/22/05	743.05	274.33	468.72
GW-10	02/22/05	739.91	271.31	468.60
GW-14A	02/22/05	741.59	273.41	468.18
GW-14B	02/22/05	741.13	272.70	468.43
GW-15	02/22/05	738.87[2]	270.33	468.54

Notes:

[1] Based on June 2003 survey, Calvada Surveying

[2] Based on December 2004 survey, Calvada Surveying

ft msl - Feet above mean sea level

ft btoc - Feet below top of casing

NA - Not available

NS - Not surveyed

-- - No information

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TABLE 3

ANALYTICAL PROGRAM SUMMARY
FIRST QUARTER 2005
Honeywell North Hollywood Site
11600 Sherman Way, North Hollywood, California

Well ID	Volatile Organic Compounds (EPA 8260B)	Title 22 Metals[1,2] (EPA 6010B)	Mercury[1] (EPA 7470A)	Chromium VI (EPA 7199)	1,4-Dioxane (EPA 8270SIM)	Perchlorate (EPA 314)
GW-1	X	X	X	X		
GW-2	X	X	X	X	X	X
GW-3	X	X	X	X	X	X
GW-4	X	X	X	X		
GW-5	X	X	X	X		
GW-6	X	X	X	X	X	X
GW-7	X	X	X	X	X	X
GW-8	X	X	X	X		
GW-9	X	X	X	X		
GW-10	X	X	X	X	X	X
GW-14A	X	X	X	X		
GW-14B	X	X	X	X		
GW-15	X	X	X	X	X	X

Notes:

[1]Filter samples in the field

[2]Samples were also analyzed using EPA Method 6020 for thallium

Collect groundwater duplicates (10% of total) and equipment blanks (1/day)

EPA - U.S. Environmental Protection Agency

TABLE 4

FIELD PARAMETERS - FIRST QUARTER 2005
Honeywell North Hollywood Site
11600 Sherman Way, North Hollywood, California

Well ID	Date Measured	pH	ORP (mV)	Electrical Conductivity (µS/cm)	Temperature (°C)	Dissolved Oxygen (mg/L)	Turbidity (NTU)
GW-1	02/23/05	7.39	131.1	1,802,000	20.02	5.47	1
GW-2	02/22/05	7.28	125.3	1,907,000	20.32	1.52	2
GW-3	02/23/05	7.33	130.9	1,789,000	19.27	3.43	1
GW-4	02/25/05	7.50	109.1	1,666,000	21.13	4.89	27
GW-5	02/25/05	7.38	119.5	1,965,000	19.73	3.38	2
GW-6	02/22/05	7.25	134.0	2,029,000	20.01	2.44	4
GW-7	02/24/05	7.40	124.6	1,716,000	20.59	4.82	2
GW-8	02/22/05	7.29	114.6	1,743,000	19.78	5.01	1
GW-9	02/22/05	7.27	124.0	1,776,000	19.80	5.57	2
GW-10	02/24/05	7.41	126.3	1,672,000	20.09	1.49	--
GW-14A	02/23/05	7.37	134.0	1,867,000	19.60	11.20	2
GW-14B	02/24/05	7.31	120.8	1,885,000	20.34	7.06	0
GW-15	02/25/05	7.52	138.0	1,810,000	23.66	8.80	4

Notes:
°C - Degrees Centigrade
µS/cm - Microseimens per centimeter
mg/L - Milligrams per liter
mV - Millivolts
NTU - Nephelometric Turbidity Units

TABLE 5

GROUNDWATER ANALYTICAL DATA - INORGANICS
FIRST QUARTER 2005
Honeywell North Hollywood Site
11600 Sherman Way, North Hollywood, California

Well ID	Sample Date	(mg/L)																	
		Antimony	Arsenic	Barium	Beryllium	Cadmium	Total Chromium	Chromium VI	Cobalt	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
GW-1	02/23/05	<0.01	<0.012 UJ	0.37	<0.004	<0.005	<0.005	0.0018	<0.01	<0.01	<0.005	<0.0002	<0.02	<0.01	<0.005	<0.01	<0.001	<0.01	0.055
GW-2	02/22/05	<0.01	<0.005	0.41	<0.004	<0.005	<0.005	<0.001	<0.01	<0.01	<0.005	<0.0002	<0.02	<0.01	<0.005	<0.01	<0.001	<0.01	0.068
GW-3	02/23/05	<0.01	<0.0082 UJ	0.36	<0.004	<0.005	0.18	0.17	<0.01	<0.01	<0.005	<0.0002	<0.02	<0.01	<0.005	<0.01	<0.001	<0.01	0.072
GW-4	02/25/05	<0.01	<0.005	0.51	<0.004	<0.005	<0.005	0.0012	<0.01	<0.01	<0.005	<0.0002	<0.02	<0.01	<0.005	<0.01	<0.001	<0.01	0.10
GW-5	02/25/05	<0.01	0.0069	0.35	<0.004	<0.005	<0.005	<0.001	<0.01	<0.01	<0.005	<0.0002	<0.02	<0.01	<0.005	<0.01	<0.001	<0.01	0.17
GW-6	02/22/05	<0.01	<0.005	0.32	<0.004	<0.005	<0.005	<0.001	<0.01	<0.01	<0.005	<0.0002	<0.02	<0.01	<0.005	<0.01	<0.001	<0.01	0.032
GW-7	02/24/05	<0.01	0.0082	0.26 J	<0.004	<0.005	0.14	0.091 J	<0.01	<0.01	<0.005	<0.0002	<0.02	<0.01	<0.005	<0.01	<0.001	<0.01	0.023 J
GW-7 (duplicate)	02/24/05	<0.01	<0.005	0.39	<0.004	<0.005	0.14	0.13	<0.01	<0.01	<0.005	<0.0002	<0.02	<0.01	<0.005	<0.01	<0.001	<0.01	0.14
GW-8	02/22/05	<0.01	0.0066	0.45	<0.004	<0.005	<0.005	<0.001	<0.01	<0.01	<0.005	<0.0002	<0.02	<0.01	<0.005	<0.01	<0.001	<0.01	0.11
GW-9	02/22/05	<0.01	0.0071	0.23	<0.004	<0.005	<0.005	<0.001	<0.01	<0.01	<0.005	<0.0002	<0.02	<0.01	<0.005	<0.01	<0.001	<0.01	<0.02
GW-10	02/25/05	<0.01	<0.005	0.26	<0.004	<0.005	0.20	0.17	<0.01	<0.01	<0.005	<0.0002	<0.02	<0.01	<0.005	<0.01	<0.001	<0.01	0.024
GW-14A	02/23/05	<0.01	<0.005	0.36	<0.004	<0.005	0.82	0.72	<0.01	<0.01	<0.005	<0.0002	<0.02	<0.01	<0.005	<0.01	<0.001	<0.01	0.058
GW-14B	02/24/05	<0.01	<0.005	0.48	<0.004	<0.005	0.05	0.045	<0.01	<0.01	<0.005	<0.0002	<0.02	<0.01	<0.005	<0.01	<0.001	<0.01	0.12
GW-15	02/25/05	<0.01	0.0066	0.26 J	<0.004	<0.005	7.0	6.4	<0.01	<0.01	<0.005	<0.0002	<0.02	<0.01	<0.005	<0.01	<0.001	<0.01	0.038
GW-15 (duplicate)	02/25/05	<0.01	<0.005	0.18	<0.004	<0.005	6.7	6.5	<0.01	<0.01	<0.005	<0.0002	<0.02	<0.01	<0.005	<0.01	<0.001	<0.01	<0.02

Notes:

Samples were analyzed using EPA Method 6010B, except for chromium^{VI} (EPA Method 7199), mercury (EPA Method 7470A), and thallium (EPA Method 6020)

EPA - U.S. Environmental Protection Agency

J - Estimated

mg/L - Milligrams per liter

UJ - Result is non detected, however, the reporting limit is qualified as estimated

< - Less than listed reporting limit

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TABLE 6

GROUNDWATER ANALYTICAL DATA - ORGANICS

FIRST QUARTER 2005

Honeywell North Hollywood Site

11600 Sherman Way, North Hollywood, California

Well ID	Sample Date	µg/L									
		1,1,1-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2-Dichloroethane	Carbon Tetrachloride	Chloroform	cis-1,2-Dichloroethene	Dichlorodifluoromethane	Tetrachloroethene	Trichloroethene
GW-1	02/23/05	<1	3.1	<1	0.91	<0.5	<1	22	10	12	11
GW-2	02/22/05	<1	3.5	<1	1.9	<0.5	<1	29	15	15	8.6
GW-3	02/23/05	<1	3.8	<1	1.3	<0.5	<1	29	14	16	12
GW-4	02/25/05	<1	3.9	<1	1.0	<0.5	<1	27	14	14	12
GW-5	02/25/05	<1	5.6	<1	1.3	<0.5	<1	34	18	18	15
GW-6	02/22/05	<1	4.8	<1	1.3	<0.5	<1	28	14	17	11
GW-7	02/24/05	<1	5.2	1.5	1.0	<0.5	<1	27	11	14	53
GW-7 (duplicate)	02/24/05	<1	5.0	1.4	1.1	<0.5	1.0	25	11	13	51
GW-8	02/22/05	<1	1.8	<1	0.66	<0.5	<1	14	4.9	8.7	9.9
GW-9	02/22/05	<1	1.9	<1	0.64	<0.5	<1	14	4.6	9.5	17
GW-10	02/25/05	<1	2.6	<1	1.2	<0.5	<1	23	13	13	18
GW-14A	02/23/05	<1	3.9	<1	1.6	<0.5	<1	31	7.0	16	14
GW-14B	02/24/05	<1	4.3	<1	1.7	<0.5	<1	37	16	16	9.5
GW-15	02/25/05	4.0	8.0	7.6	1.2	0.51	2.2	26	8.2	13	160
GW-15 (duplicate)	02/25/05	3.9	7.8	7.4	1.2	<0.5	2.2	25	8.2	13	150
Trip Blank	02/22/05	<1	<1	<1	<0.5	<0.5	<1	<1	<2	<1	<1
	02/23/05	<1	<1	<1	<0.5	<0.5	<1	<1	<2	<1	<1
	02/24/05	<1	<1	<1	<0.5	<0.5	<1	<1	<2	<1	<1

Notes:

Samples were analyzed using EPA Method 8260

Only detected analytes are shown.

EPA - U.S. Environmental Protection Agency

µg/L - Micrograms per liter

< - Less than listed reporting limit

TABLE 7

GROUNDWATER ANALYTICAL DATA - EMERGING CHEMICALS
FIRST QUARTER 2005
Honeywell North Hollywood Site
11600 Sherman Way, North Hollywood, California

Well ID	Sample Date	µg/L			
		Perchlorate (EPA 314.0)	n-Nitrosodi-methylamine (EPA 1625)	1,4-Dioxane (EPA 8270SIM)	1,2,3-Trichloropropane (EPA 8260B)
GW-2	02/22/05	<2	NA	4.1	NA
GW-3	02/23/05	<2	NA	5.4	NA
GW-6	02/22/05	<2	NA	6.3	NA
GW-7	02/24/05	<2	NA	5.0	NA
GW-7 (duplicate)	02/24/05	<2	NA	5.1	NA
GW-10	02/25/05	<2	NA	<5	NA
GW-15	02/25/05	8.8	NA	16	NA
GW-15 (duplicate)	02/25/05	8.9	NA	14	NA

Notes:
EPA - U.S. Environmental Protection Agency
µg/L - Micrograms per liter
NA - Not Analyzed
< - Less than listed reporting limit

APPENDIX A

FIELD SAMPLING PROTOCOL

APPENDIX A

FIELD SAMPLING PROTOCOL

A.1 GROUNDWATER GAUGING

Prior to sampling, groundwater levels were measured with an electric water probe in all groundwater monitoring wells. Measurements were taken from a surveyed reference point marked on the top of the well casing. Water-level measurements were taken within 0.01 ft and recorded on field sampling sheets. The probe was decontaminated between groundwater monitoring wells.

A.2 GROUNDWATER PURGE AND SAMPLING PROCEDURES

Purging

Before sampling each groundwater monitoring well, an initial water level reading was recorded (see Appendix D of this report). A 2-inch diameter submersible Grundfos® Redi-Flo II® pump was used to purge groundwater from each well. The pump was equipped with a check valve to prevent backflow into the well. The pump was placed 3 feet below the top of the water column in all wells (except for one) to collect groundwater from the uppermost portion of the formation. The water table in all of these wells is located within the screened portion of the well casing. Prior evaluations of vertical dissolved chromium stratification in wells across the Site have indicated that the upper portion of the well screen contains the highest concentrations of inorganics. GW-14B is the only well with 10 feet of water above the screen; therefore the pump was placed at 3 feet below the top of screen to ensure purge water is from the formation. Well construction details are presented in Table 1 of this report.

During the purge cycle, groundwater quality parameters of pH, specific conductance (EC), temperature, dissolved oxygen, oxidation-reduction potential, turbidity, water levels, and visual observations were measured using a YSI 556 flow-through cell meter and recorded on MWH sampling data sheets to verify well stabilization (see Appendix D of this report). Instrument calibration was conducted at the beginning of each field day (and thereafter if suspect or erroneous readings were taken).

Wells were purged and sampled in order of lowest to highest hexavalent chromium concentration, to the extent as possible, with the exception of wells GW-4 and GW-5 located within the Home Depot building. Access for sampling these two wells was restricted during normal business hours. Wells were purged at a low flow rate (~1 gallon/minute) to not cause cavitation or significant drawdown (<0.5 feet), until three consecutive measurements (taken at least 5 minutes apart) of pH, temperature, and EC were stabilized to within ±10% of each other, and turbidity was as close to 5 nephelometric turbidity units as possible.

Sampling and Analysis

Once all of the parameters stabilized, indicating stable groundwater conditions, sampling activities commenced. Groundwater samples were collected into appropriate laboratory-provided sample containers via the purge water discharge tube. Samples for Title 22 analysis were filtered in the field. All samples were capped, labeled, sealed in plastic bags, placed in ice-chilled, insulated coolers to maintain a shipping temperature of 4 degrees Centigrade and transported under a chain-of-custody protocol to Del Mar Analytical, a California state-certified laboratory. Table 3 of this report presents the analytical program for First Quarter 2005.

A.3 DECONTAMINATION AND WASTE MANAGEMENT

All sampling equipment (submersible pump and discharge tubing) was cleaned through the tubing using a nonphosphate detergent, rinsed with tap water, and final-rinsed with deionized water before entering each well. Each of the steps in the three-step decontamination procedure was allowed to flow through the tubing for a minimum of 5 minutes each. The outside of the pump and tubing was cleaned using a nonphosphate detergent and rinsed using a steam-cleaner. All equipment was handled in a manner intended to prevent cross-contamination.

Purge water was temporarily contained in the subcontractors truck-mounted holding tank and later transferred to an on-site storage tank pending receipt of analytical certifications. The contents of the tank were profiled and transported by Onyx Environmental to an off-site, permitted disposal facility.

A.4 QUALITY ASSURANCE/QUALITY CONTROL (QA/QC)

The overall QA/QC objective for field activities and laboratory analyses was to produce data of sufficient quality to support an evaluation of the environmental conditions. Standard operating procedures were conducted so that known and sufficient acceptable levels of accuracy, precision, completeness, representativeness, and comparability were achieved for the data. The QA/QC procedures are summarized in the following subsections.

A.3.1 Documentation

As a minimum, the following pertinent field information was recorded in ink onto field log forms:

(1) Date and time of entries

(2) Personnel on site (including subcontractors)

(3) Activity and location

(4) Field observation (i.e., soil descriptions, direct instrument readings, weather, unusual occurrences, water levels, volume, and types of materials used)

(5) Sample information (time, depth, location, type of sample, container preservation, and analyses)

(6) Equipment calibration records

(7) Observations useful in reconstructing activities

(8) Documentation of tailgate safety meetings

A.3.2 Field QA/QC Samples

To verify laboratory results, two duplicate samples were collected. One equipment rinsate sample was collected after each day in the field to verify decontamination procedures by pouring laboratory-grade, organic-free water on a decontaminated pump and into sample containers. One trip blank sample was sent to the lab for analysis in every cooler that contained samples for VOC analysis.

Quality control samples were documented and handled according to similar procedures noted in Section A.2. Equipment rinsate blanks were analyzed for the same analyses as groundwater samples.

A.3.3 Laboratory QA/QC

As a minimum, the U.S. Environmental Protection Agency sample holding times and preservation were observed. Specific requirements were followed, including field and reagent blanks, calibration check standards, matrix-spiked duplicates, total recoveries, and laboratory QC samples. The laboratory's QA/QC documentation was reported, and the analytical results indicated the concentrations of analytes detected along with the detection limits.

APPENDIX B

HYDROGRAPHS

FIGURE B-1

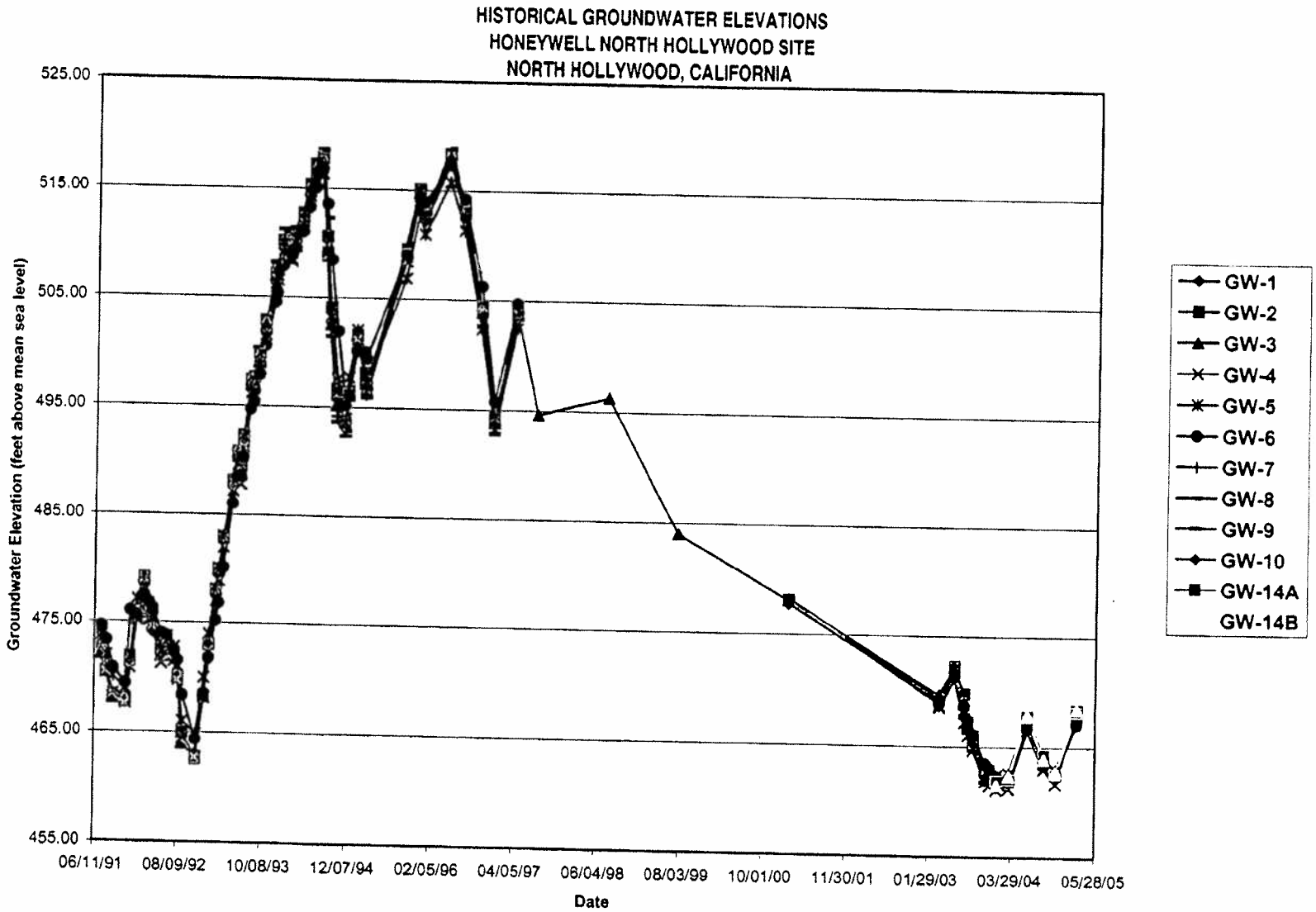

HISTORICAL GROUNDWATER ELEVATIONS
HONEYWELL NORTH HOLLYWOOD SITE
NORTH HOLLYWOOD, CALIFORNIA
Groundwater Elevation (feet above mean sea level)
525.00
515.00
505.00
495.00
485.00
475.00
465.00
455.00
06/11/91
08/09/92
10/08/93
12/07/94
02/05/96
04/05/97
06/04/98
08/03/99
10/01/00
11/30/01
01/29/03
03/29/04
05/28/05
Date
GW-1
GW-2
GW-3
GW-4
GW-5
GW-6
GW-7
GW-8
GW-9
GW-10
GW-14A
GW-14B

FIGURE B-2

CONCENTRATIONS OF HEXAVALENT CHROMIUM AND GROUNDWATER LEVEL VERSUS TIME - GW-3
HONEYWELL NORTH HOLLYWOOD SITE
NORTH HOLLYWOOD, CALIFORNIA

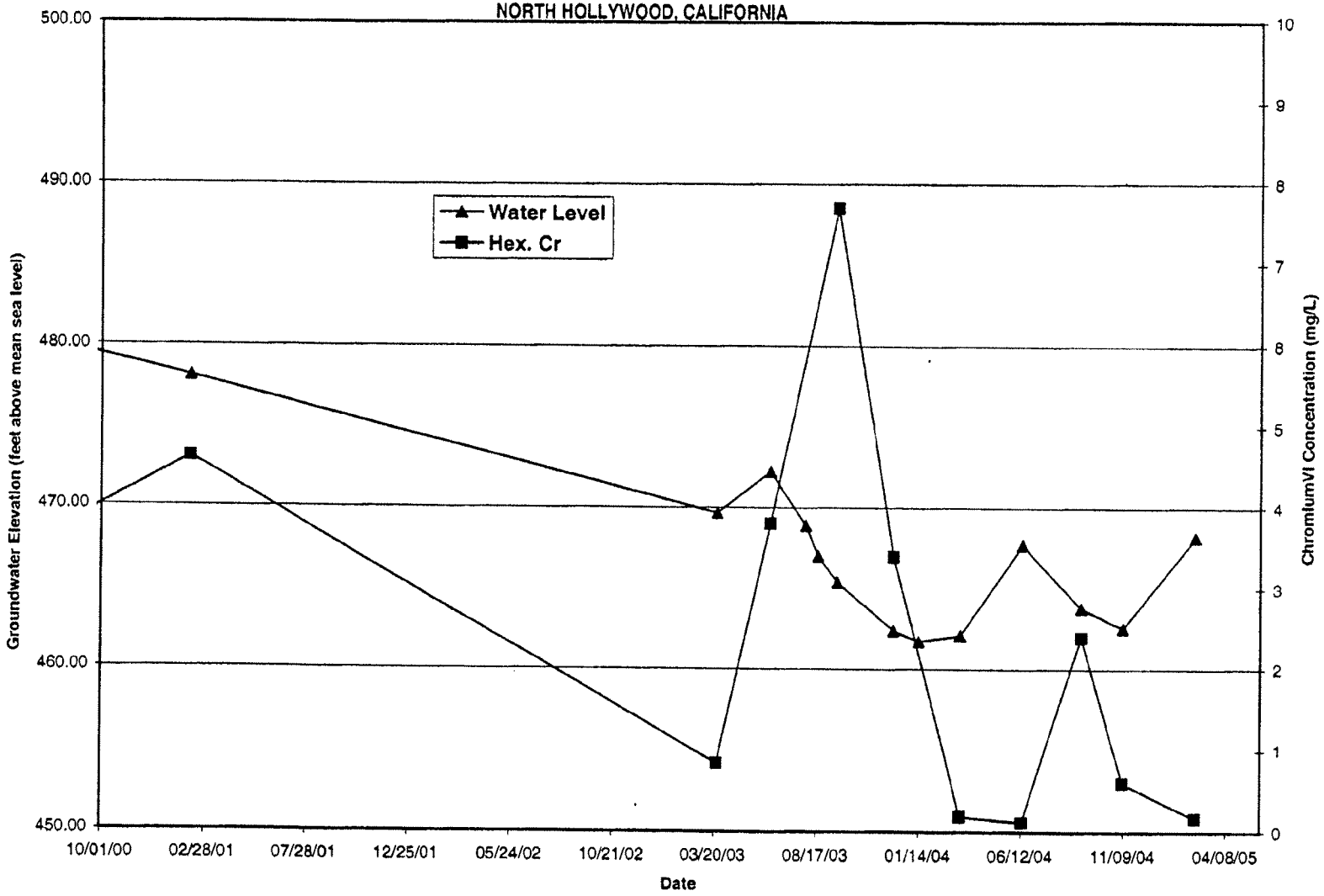


FIGURE B-3

CONCENTRATIONS OF HEXAVALENT CHROMIUM AND GROUNDWATER LEVEL VERSUS TIME - GW-7
HONEYWELL NORTH HOLLYWOOD SITE
NORTH HOLLYWOOD, CALIFORNIA

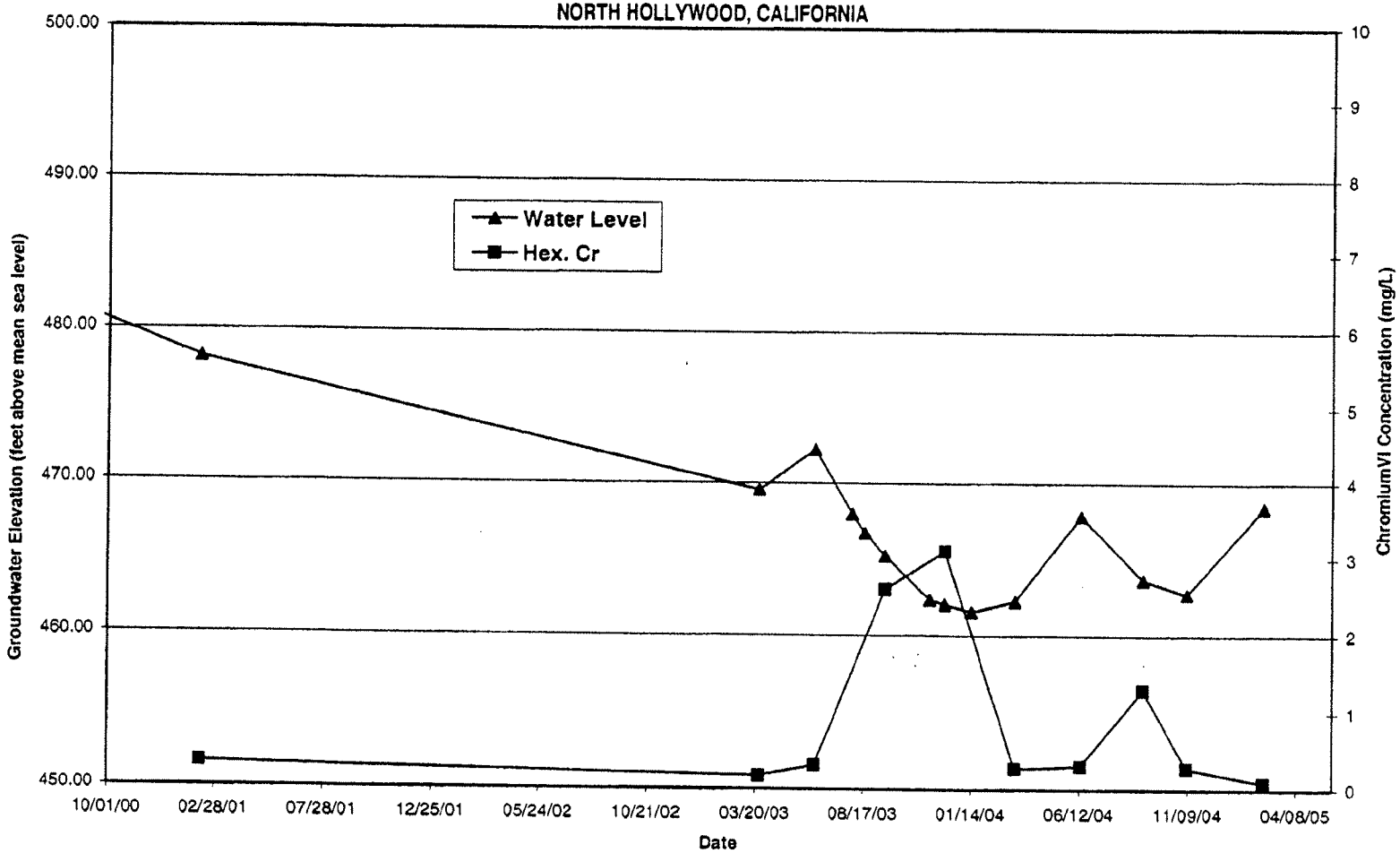
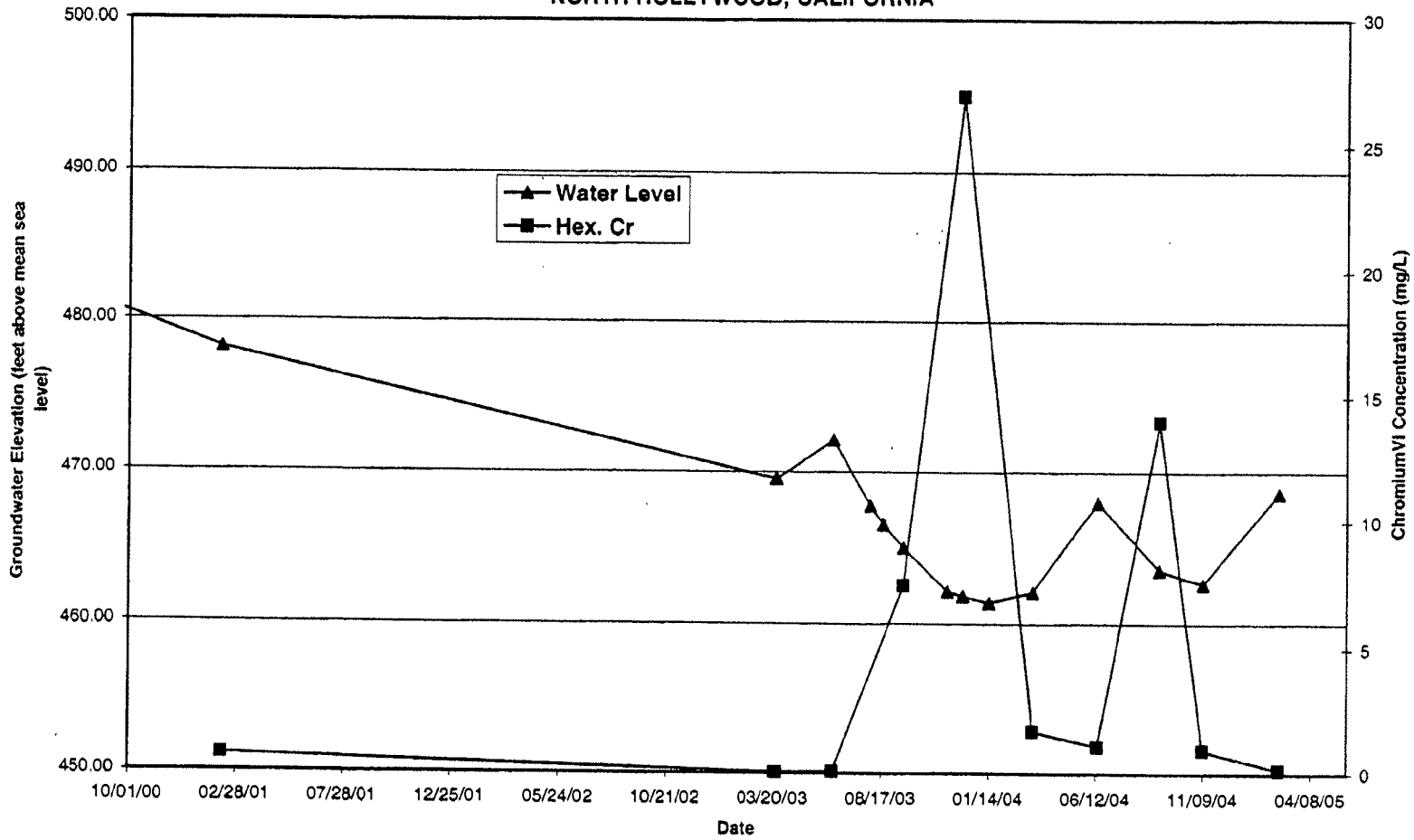


FIGURE B-4

CONCENTRATIONS OF HEXAVALENT CHROMIUM AND GROUNDWATER LEVEL VERSUS TIME - GW-10
HONEYWELL NORTH HOLLYWOOD SITE
NORTH HOLLYWOOD, CALIFORNIA



APPENDIX C

HISTORICAL DATA SUMMARIES

TABLE C-1

HISTORICAL GROUNDWATER ELEVATIONS
FIRST QUARTER 2003 - FIRST QUARTER 2005
Honeywell North Hollywood Site
11600 Sherman Way, North Hollywood, California

Well ID	Date Measured	Top of Casing Elevation (ft msl)[1]	Depth to Water (ft btoc)	Groundwater Elevation (ft msl)
GW-1	03/24/03	741.90	272.73	469.17
	06/10/03	741.90	270.11	471.79
	08/01/03	741.90	274.09	467.81
	08/19/03	741.90	275.15	466.75
	09/16/03	741.90	276.70	465.20
	11/17/03	741.90	279.60	462.30
	12/08/03	741.90	280.02	461.88
	01/14/04	741.90	280.55	461.35
	03/15/04	741.90	279.93	461.97
	06/14/04	741.90	274.45	467.45
	09/08/04	741.90	278.38	463.52
	11/08/04	741.90	279.43	462.47
	02/22/05	741.90	273.98	467.92
GW-2	03/24/03	741.11	271.84	469.27
	06/10/03	741.11	268.86	472.25
	08/01/03	741.11	271.34	469.77
	08/19/03	741.11	273.90	467.21
	09/16/03	741.11	275.46	465.65
	11/17/03	741.11	278.31	462.80
	12/08/03	741.11	278.74	462.37
	01/14/04	741.11	279.23	461.88
	03/15/04	741.11	279.30	461.81
	06/14/04	741.11	273.42	467.69
	09/08/04	741.11	276.94	464.17
	11/08/04	741.11	278.63	462.48
	02/22/05	741.11	272.99	468.12
GW-3	03/24/03	738.99	269.33	469.66
	06/10/03	738.99	266.78	472.21
	08/01/03	738.99	270.10	468.89
	08/19/03	738.99	271.96	467.03
	09/16/03	738.99	273.57	465.42
	11/17/03	738.99	NA	NA
	12/08/03	738.99	276.56	462.43
	01/14/04	738.99	277.25	461.74
	03/15/04	738.99	276.87	462.12
	06/14/04	738.99	271.24	467.75
	09/08/04	738.99	275.13	463.86
	11/08/04	738.99	276.39	462.60
	02/22/05	738.99	270.76	468.23

TABLE C-1

HISTORICAL GROUNDWATER ELEVATIONS
FIRST QUARTER 2003 - FIRST QUARTER 2005
Honeywell North Hollywood Site
11600 Sherman Way, North Hollywood, California

Well ID	Date Measured	Top of Casing Elevation (ft msl)[1]	Depth to Water (ft btoc)	Groundwater Elevation (ft msl)
GW-4	03/24/03	742.90	274.36	468.54
	06/10/03	742.90	271.86	471.04
	08/01/03	742.90	275.72	467.18
	08/19/03	742.90	276.89	466.01
	09/16/03	742.90	278.26	464.64
	11/17/03	742.90	281.08	461.82
	12/08/03	742.90	281.47	461.43
	01/14/04	742.90	281.83	461.07
	03/15/04	742.90	281.74	461.16
	06/14/04	742.90	276.41	466.49
	09/08/04	742.90	279.94	462.96
	11/08/04	742.83[2]	281.20	461.63
	02/22/05	742.83[2]	274.91	467.92
GW-5	03/24/03	742.23	273.54	468.69
	06/10/03	742.23	270.22	472.01
	08/01/03	742.23	273.90	468.33
	08/19/03	742.23	275.25	466.98
	09/16/03	742.23	276.23	466.00
	11/17/03	742.23	279.04	463.19
	12/08/03	742.23	279.40	462.83
	01/14/04	742.23	279.87	462.36
	03/15/04	742.23	279.65	462.58
	06/14/04	742.23	274.69	467.54
	09/08/04	742.23	278.07	464.16
	11/08/04	742.17[2]	279.24	462.93
	02/22/05	742.17[2]	274.34	467.83
GW-6	03/24/03	745.06	276.21	468.85
	06/10/03	745.06	273.71	471.35
	08/01/03	745.06	276.38	468.68
	08/19/03	745.06	277.68	467.38
	09/16/03	745.06	278.95	466.11
	11/17/03	745.06	281.60	463.46
	12/08/03	745.06	282.02	463.04
	01/14/04	745.06	282.80	462.26
	03/15/04	745.06	283.25	461.81
	06/14/04	745.06	278.42	466.64
	09/08/04	745.06	281.00	464.06
	11/08/04	744.98[2]	282.65	462.33
	02/22/05	744.98[2]	277.91	467.07

TABLE C-1

HISTORICAL GROUNDWATER ELEVATIONS
FIRST QUARTER 2003 - FIRST QUARTER 2005
Honeywell North Hollywood Site
11600 Sherman Way, North Hollywood, California

Well ID	Date Measured	Top of Casing Elevation (ft msl)[1]	Depth to Water (ft btoc)	Groundwater Elevation (ft msl)
GW-7	03/24/03	736.95	267.41	469.54
	06/10/03	736.95	264.72	472.23
	08/01/03	736.95	268.99	467.96
	08/19/03	736.95	270.25	466.70
	09/16/03	736.95	271.76	465.19
	11/17/03	736.95	274.61	462.34
	12/08/03	736.95	274.92	462.03
	01/14/04	736.95	274.41	462.54
	03/15/04	736.95	274.71	462.24
	06/14/04	736.95	269.09	467.86
	09/08/04	736.95	273.30	463.65
	11/08/04	736.95	274.25	462.70
	02/22/05	736.95	268.54	468.41
GW-8	03/24/03	744.28	275.00	469.28
	06/10/03	744.28	271.98	472.30
	08/01/03	744.28	276.36	467.92
	08/19/03	744.28	277.66	466.62
	09/16/03	744.28	279.22	465.06
	11/17/03	744.28	282.03	462.25
	12/08/03	744.28	282.35	461.93
	01/14/04	744.28	282.73	461.55
	03/15/04	744.28	282.58	461.70
	06/14/04	744.28	276.29	467.99
	09/08/04	744.28	280.38	463.90
	11/08/04	744.28	281.89	462.39
	02/22/05	744.28	275.69	468.59
GW-9	03/24/03	743.05	273.78	469.27
	06/10/03	743.05	270.77	472.28
	08/01/03	743.05	275.39	467.66
	08/19/03	743.05	276.80	466.25
	09/16/03	743.05	278.41	464.64
	11/17/03	743.05	281.28	461.77
	12/08/03	743.05	281.48	461.57
	01/14/04	743.05	281.96	461.09
	03/16/04	743.05	281.14	461.91
	06/14/04	743.05	274.96	468.09
	09/08/04	743.05	279.98	463.07
	11/08/04	743.05	280.90	462.15
	02/22/05	743.05	274.33	468.72

TABLE C-1

HISTORICAL GROUNDWATER ELEVATIONS
FIRST QUARTER 2003 - FIRST QUARTER 2005
Honeywell North Hollywood Site
11600 Sherman Way, North Hollywood, California

Well ID	Date Measured	Top of Casing Elevation (ft msl)[1]	Depth to Water (ft btoc)	Groundwater Elevation (ft msl)
GW-10	03/24/03	739.91	270.39	469.52
	06/10/03	739.91	267.78	472.13
	08/01/03	739.91	272.18	467.73
	08/19/03	739.91	273.43	466.48
	09/16/03	739.91	274.97	464.94
	11/17/03	739.91	277.80	462.11
	12/08/03	739.91	278.10	461.81
	01/14/04	739.91	278.54	461.37
	03/15/04	739.91	277.83	462.08
	06/14/04	739.91	271.95	467.96
	09/08/04	739.91	276.40	463.51
	11/08/04	739.91	277.31	462.60
	02/22/05	739.91	271.31	468.60
GW-14A	01/14/04	741.59	279.71	461.88
	03/15/04	741.59	279.58	462.01
	06/14/04	741.59	273.86	467.73
	09/08/04	741.59	277.32	464.27
	11/08/04	741.59	279.04	462.55
	02/22/05	741.59	273.41	468.18
GW-14B	01/14/04	741.13	279.69	461.44
	03/15/04	741.13	278.83	462.30
	06/14/04	741.13	273.24	467.89
	09/08/04	741.13	277.27	463.86
	11/08/04	741.13	278.38	462.75
	02/22/05	741.13	272.70	468.43
GW-15	06/16/04	NS	270.96	--
	09/08/04	NS	275.37	--
	11/08/04	738.87[2]	276.35	462.52
	02/22/05	738.87[2]	270.33	468.54

Notes:
[1] Based on June 2003 survey, Calvada Surveying
[2] Based on December 2004 survey, Calvada Surveying
ft msl - Feet above mean sea level
ft btoc - Feet below top of casing
NA - Not available
NS - Not surveyed
-- - No information

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TABLE C-2

HISTORICAL GROUNDWATER ANALYTICAL DATA - CHROMIUM

Honeywell North Hollywood Site

11600 Sherman Way, North Hollywood, California

Well ID	Sample Date	Sample type		mg/L	
		Filtration	Collection	Total Chromium	Chromium VI
GW-1	02/08/01	NF	Pump	0.174	0.151
	03/25/03	NF	Bailer	0.085	0.081
	03/25/03	NF	Bailer (Dup)	0.081	0.079
	06/16/03	NF	Bailer	0.26	0.22
	06/16/03	NF	Bailer (Dup)	0.23	0.23
	09/17/03	NF	Bailer	0.25	0.22
	12/09/03	NF	Bailer	0.021	0.019
	03/17/04	FFVI	Bailer	0.013	<0.001
	06/15/04	FFVI	Bailer	0.013	0.0035
	09/14/04	FF	Pump	0.26	0.23
	11/09/04	FF	Pump	<0.005	0.0035
	02/23/05	FFTC	Pump	<0.005	0.0018
GW-1-S*	12/09/03	NF	Pump	0.0054	0.0037
GW-1-M*	12/09/03	NF	Pump	<0.005	0.0023
GW-1-D*	12/09/03	NF	Pump	0.005	0.0032
GW-2	08/01/93	NF	NS	<0.010	NA
	02/08/01	NF	Pump	0.0129	<0.001
	03/25/03	NF	Bailer	0.0063	<0.001
	06/10/03	NF	Bailer	0.029	0.026
	09/16/03	NF	Bailer	<0.005	<0.001
	12/08/03	NF	Bailer	0.0063	<0.001
	03/16/04	FFVI	Bailer	0.018	<0.001
	06/14/04	FFVI	Bailer	<0.005	<0.001
	09/16/04	FF	Pump	<0.005	<0.001
	11/08/04	FF	Pump	<0.005	0.0011
	02/22/05	FFTC	Pump	<0.005	<0.001

TABLE C-2

HISTORICAL GROUNDWATER ANALYTICAL DATA - CHROMIUM
Honeywell North Hollywood Site
11600 Sherman Way, North Hollywood, California

Well ID	Sample Date	Sample type		mg/L	
		Filtration	Collection	Total Chromium	Chromium VI
GW-3	08/01/93	NF	NS	0.012	NA
	07/30/97	NF	Bailer	1.4	<2.0
	07/30/97	NF	Bailer (Dup)	0.93	1.4
	07/28/98	FF	Bailer	1.1	1.4
	07/28/98	FF	Bailer (Dup)	1.7	1.7
	07/28/98	NF	Bailer	0.98	0.99
	07/28/98	NF	Bailer (Dup)	0.88	0.57
	07/28/98	LF	Pump	0.17	0.17
	07/28/98	NF	Pump	0.17	0.18
	07/23/99	FF	Bailer	1.9	1.8
	07/23/99	FF	Bailer (Dup)	2.0	2.0
	02/08/01	NF	Pump	5.81	4.61
	03/26/03	NF	Bailer	0.85	0.83
	06/11/03	NF	Bailer	3.8	3.8
	09/17/03	NF	Bailer	8.6	7.7
	12/10/03	NF	Bailer	3.7	3.4
	03/18/04	FFVI	Bailer	0.23	0.19
	06/15/04	FFVI	Bailer	0.12	0.12
	09/14/04	FF	Pump	2.5	2.4
	11/10/04	FF	Pump	0.600	0.630 J
	02/23/05	FFTC	Pump	0.18	0.17
GW-3-S*	12/10/03	NF	Pump	0.63	0.58
GW-3-M*	12/10/03	NF	Pump	0.26	0.22
GW-3-D*	06/11/03	NF	Pump	2.7	2.7
	12/10/03	NF	Pump	0.48	0.44
GW-4	02/27/98	NF	Bailer	0.043	0.048
	02/27/98	FF	Bailer	0.021	0.019
	03/27/03	NF	Bailer	0.008	0.0011
	06/13/03	NF	Bailer	<0.005	<0.001
	09/19/03	NF	Bailer	0.0052	0.0031
	12/12/03	NF	Bailer	0.0056	<0.001
	03/19/04	FFVI	Bailer	<0.005	0.0013
	06/18/04	FFVI	Bailer	<0.005	0.0024
	09/16/04	FF	Pump	<0.005	0.0012
	11/12/04	FF	Pump	<0.005	0.0013
	02/25/05	FFTC	Pump	<0.005	0.0012

TABLE C-2

HISTORICAL GROUNDWATER ANALYTICAL DATA - CHROMIUM

Honeywell North Hollywood Site

11600 Sherman Way, North Hollywood, California

Well ID	Sample Date	Sample type		mg/L	
		Filtration	Collection	Total Chromium	Chromium VI
GW-5	03/24/03	NF	Bailer	0.009	<0.001
	06/13/03	NF	Bailer	0.027	0.022
	09/19/03	NF	Bailer	0.0077	0.0012
	12/12/03	NF	Bailer	0.0072	<0.001
	03/19/04	FFVI	Bailer	<0.005	<0.001
	06/18/04	FFVI	Bailer	<0.005	<0.001
	09/16/04	FF	Pump	<0.005	0.001
	11/12/04	FF	Pump	<0.005	0.0012
	02/25/05	FFTC	Pump	<0.005	<0.001
GW-6	08/01/93	NF	NS	<0.010	NA
	02/09/01	NF	Pump	0.0157	0.001
	03/25/03	NF	Bailer	0.013	0.0012
	06/10/03	NF	Bailer	<0.005	<0.001
	09/16/03	NF	Bailer	0.0063	0.0013
	12/08/03	NF	Bailer	0.0082	<0.001
	03/16/04	FFVI	Bailer	<0.005	0.0011
	06/14/04	FFVI	Bailer	<0.005	<0.001
	09/16/04	FF	Pump	<0.005	0.001
	11/08/04	FF	Pump	<0.005	0.0013
	02/22/05	FFTC	Pump	<0.005	<0.001
GW-7	02/09/01	NF	Pump	0.36	0.311
	03/26/03	NF	Bailer	0.44	0.17
	06/11/03	NF	Bailer	0.53	0.31
	09/17/03	NF	Bailer	2.6	2.4
	09/17/03	NF	Bailer (Dup)	2.7	2.6
	12/09/03	NF	Bailer	3.1	3.1
	03/17/04	FFVI	Bailer	0.33	0.27
	06/16/04	FFVI	Bailer	0.31	0.31
	09/14/04	FF	Pump	1.4	1.3
	09/14/04	FF	Pump (Dup)	1.3	1.3
	11/11/04	FF	Pump	0.260	0.280
	02/24/05	FFTC	Pump	0.14	0.091 J
	02/24/05	FFTC	Pump (Dup)	0.14	0.13
GW-7-S*	12/09/03	NF	Pump	2.7	2.7
GW-7-M*	12/09/03	NF	Pump	2.2	2.2

TABLE C-2

HISTORICAL GROUNDWATER ANALYTICAL DATA - CHROMIUM
Honeywell North Hollywood Site
11600 Sherman Way, North Hollywood, California

Well ID	Sample Date	Sample type		mg/L	
		Filtration	Collection	Total Chromium	Chromium VI
GW-7-D*	06/11/03	NF	Pump	0.34	0.28
	12/09/03	NF	Pump	2.1	2.0
GW-8	02/09/01	NF	Pump	0.00614	0.001
	03/24/03	NF	Bailer	0.029	<0.001
	06/10/03	NF	Bailer	0.032	<0.001
	09/16/03	NF	Bailer	0.036	<0.001
	12/08/03	NF	Bailer	0.15	0.001
	03/16/04	FFVI	Bailer	0.033	<0.001
	03/16/04	FFVI	Bailer	0.028	<0.001
	06/14/04	FFVI	Bailer	0.013	0.0013
	06/14/04	FFVI	Bailer (Dup)	0.016	<0.001
	09/14/04	FF	Pump	<0.005	0.001
	11/08/04	FF	Pump	<0.005	0.0014
	02/22/05	FFTC	Pump	<0.005	<0.001
GW-9	02/09/01	NF	Pump	<0.005	0.001
	03/24/03	NF	Bailer	0.077	<0.001
	06/16/03	NF	Bailer	0.014	0.0013
	09/17/03	NF	Bailer	0.018	<0.001
	12/08/03	NF	Bailer	0.24	0.0011
	03/16/04	FFVI	Bailer	0.15	0.0011
	06/15/04	FFVI	Bailer	0.0051	0.001
	09/14/04	FF	Pump	<0.005	0.001
	11/08/04	FF	Pump	<0.005	<0.001
	02/22/05	FFTC	Pump	<0.005	<0.001

TABLE C-2

HISTORICAL GROUNDWATER ANALYTICAL DATA - CHROMIUM
Honeywell North Hollywood Site
11600 Sherman Way, North Hollywood, California

Well ID	Sample Date	Sample type		mg/L	
		Filtration	Collection	Total Chromium	Chromium VI
GW-10	02/09/01	NF	Pump	0.617	0.691
	03/26/03	NF	Bailer	0.17	0.041
	06/11/03	NF	Bailer	0.12	0.085
	09/17/03	NF	Bailer	7.9	7.5
	12/10/03	NF	Bailer	27	26
	12/10/03	NF	Bailer (Dup)	28	27
	03/17/04	FFVI	Bailer	1.9	1.7
	03/17/04	FFVI	Bailer (Dup)	1.9	1.7
	06/15/04	FFVI	Bailer	1.1	1.1
	06/15/04	FFVI	Bailer (Dup)	1.1	1.1
	09/15/04	FF	Pump	15	14
	11/11/04	FF	Pump	0.920	0.950
	11/11/04	FF	Pump (Dup)	0.880	0.940 J
	02/25/05	FFTC	Pump	0.2	0.17
GW-10-S*	12/10/03	NF	Pump	36	39
GW-10-M*	12/10/03	NF	Pump	37	35
GW-10-D*	06/11/03	NF	Pump	0.45	0.084
	12/10/03	NF	Pump	37	35
GW-14A	01/14/04	NF	Bailer	0.013	0.0012
	01/14/04	NF	Bailer (Dup)	0.014	0.0013
	03/17/04	FFVI	Bailer	0.1	0.056
	06/15/04	FFVI	Bailer	0.29	0.28
	09/14/04	FF	Pump	0.83	0.79
	11/09/04	FF	Pump	0.220	0.210
	02/23/05	FFTC	Pump	0.82	0.72
GW-14A-S*	01/13/04	NF	Pump	<0.005	0.0011
GW-14B	01/14/04	NF	Pump	<0.005	0.0011
	03/17/04	FFVI	Bailer	<0.005	<0.001
	06/15/04	FFVI	Bailer	<0.005	<0.001
	09/14/04	FF	Pump	0.32	0.30
	11/09/04	FF	Pump	0.300	0.280
	02/24/05	FFTC	Pump	0.05	0.045

TABLE C-2

HISTORICAL GROUNDWATER ANALYTICAL DATA - CHROMIUM
Honeywell North Hollywood Site
11600 Sherman Way, North Hollywood, California

Well ID	Sample Date	Sample type		mg/L	
		Filtration	Collection	Total Chromium	Chromium VI
GW-14B-S*	01/13/04	NF	Pump	<0.005	0.0011
GW-14B-M*	01/13/04	NF	Pump	0.0081	0.0011
GW-14B-D*	01/13/04	NF	Pump	<0.005	0.0012
GW-15	06/15/04	NF	Bailer	1.8	1.8
	09/15/04	FF	Pump	8.1	8.8
	09/15/04	FF	Pump	7.7	8.6
	11/10/04	FF	Pump	4.50	4.80
	11/10/04	FF	Pump (Dup)	4.70	4.80
	02/25/05	FFTC	Pump	7.0	6.4
	02/25/05	FFTC	Pump (Dup)	6.7	6.5

Notes:

Samples were analyzed using EPA Method 6010B for chromium and EPA Method 7199 for chromium^{VI}

Dup - Duplicate sample collected

EPA - U.S. Environmental Protection Agency

FF - Field-filtered

FFTC - Field-filtered for total chromium only

FFVI - Field-filtered for chromium^{VI} only

LF - Laboratory-filtered

mg/L - Milligrams per liter

NA - Not analyzed

NF - Not filtered

NS - Not specified

* Multi-depth samples designated as - S - Shallow; M - Middle; D - Deep

< - Less than listed reporting limit

TABLE C-3

HISTORICAL GROUNDWATER ANALYTICAL DATA - METALS
Honeywell North Hollywood Site
11600 Sherman Way, North Hollywood, California

Well ID	Sample Date	Antimony	Arsenic	Barium	Beryllium	Cadmium	Total Chromium	Chromium VI	Cobalt	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
		(mg/L)																	
GW-1	06/16/03	<0.01	<0.005	0.13	<0.004	<0.005	0.26	0.22	<0.01	<0.01	<0.005	<0.0002	<0.02	<0.01	<0.005	<0.01	<0.005	<0.01	<0.02
	06/16/03 DUP	<0.01	<0.005	0.13	<0.004	<0.005	0.23	0.23	<0.01	<0.01	<0.005	<0.0002	<0.02	<0.01	<0.005	<0.01	<0.005	<0.01	0.044
	09/17/03	<0.01	<0.005	0.13	<0.004	<0.005	0.25	0.22	<0.01	<0.01	<0.005	<0.0002	<0.02	<0.01	<0.005	<0.01	<0.005	<0.01	<0.02
	12/09/03	<0.01	<0.005	0.12	<0.004	<0.005	0.021	0.19	<0.01	<0.01	<0.005	<0.0002	<0.02	<0.01	<0.005	<0.01	<0.005	<0.01	<0.02
	03/17/04	<0.01	<0.005	0.14	<0.004	<0.005	0.013	<0.001	<0.01	<0.01	<0.005	<0.0002	<0.02	<0.01	<0.005	<0.01	<0.005	<0.01	0.029
	06/15/04	<0.01	<0.005	0.13	<0.004	<0.005	0.013	0.0035	<0.01	<0.01	<0.005	<0.0002	<0.02	<0.01	<0.005	<0.01	0.0076	<0.01	<0.02
	09/14/04	<0.01	<0.005	0.13	<0.004	<0.005	0.26	0.23	<0.01	<0.01	<0.005	<0.0002	<0.02	<0.01	<0.005	<0.01	<0.005	<0.01	<0.02
	11/09/04	<0.01	<0.005	0.12	<0.004	<0.005	<0.005	0.0035	<0.001	0.004	<0.005	<0.0002	<0.02	<0.01	<0.005	<0.01	<0.001	<0.01	<0.02
	02/23/05	<0.01	<0.012 UJ	0.37	<0.004	<0.005	<0.005	0.0018	<0.01	<0.01	<0.005	<0.0002	<0.02	<0.01	<0.005	<0.01	<0.001	<0.01	0.055
GW-2	06/10/03	<0.01	<0.005	0.12	<0.004	<0.005	0.029	0.026	<0.01	<0.01	<0.005	<0.0002	<0.02	<0.01	<0.005	<0.01	<0.005	<0.01	<0.02
	09/16/03	<0.01	<0.005	0.14	<0.004	<0.005	<0.005	<0.001	<0.01	<0.01	<0.005	<0.0002	<0.02	<0.01	<0.005	<0.01	<0.005	<0.01	<0.02
	12/08/03	<0.01	<0.005	0.13	<0.004	<0.005	0.0063	<0.001	<0.01	<0.01	<0.005	<0.0002	<0.02	<0.01	<0.005	<0.01	<0.005	<0.01	<0.02
	03/16/04	<0.01	<0.005	0.16	<0.004	<0.005	0.018	<0.001	<0.01	<0.01	<0.005	<0.0002	<0.02	<0.01	<0.005	<0.01	<0.005	<0.01	<0.02
	06/14/04	<0.01	<0.005	0.15	<0.004	<0.005	<0.005	<0.001	<0.01	<0.01	<0.005	<0.0002	<0.02	<0.01	<0.005	<0.01	<0.005	<0.01	<0.02
	09/16/04	<0.01	<0.005	0.13	<0.004	<0.005	<0.005	<0.001	<0.01	<0.01	<0.005	<0.0002	<0.02	<0.01	<0.005	<0.01	<0.005	<0.01	<0.02
	11/08/04	<0.01	<0.005	0.14	<0.004	<0.005	<0.005	0.0011	<0.001	0.001	<0.005	<0.0002	<0.02	<0.01	<0.005	<0.01	<0.005	<0.01	<0.02
	02/22/05	<0.01	<0.005	0.41	<0.004	<0.005	<0.005	<0.001	<0.01	<0.01	<0.005	<0.0002	<0.02	<0.01	<0.005	<0.01	<0.001	<0.01	0.068
GW-3	06/11/03	<0.01	<0.005	0.15	<0.004	<0.005	3.8	3.8	<0.01	<0.01	<0.005	<0.0002	<0.02	<0.01	<0.005	<0.01	<0.005	<0.01	<0.02
	09/17/03	<0.01	<0.005	0.14	<0.004	<0.005	8.6	7.7	<0.01	<0.01	<0.005	<0.0002	<0.02	<0.01	<0.005	<0.01	<0.005	<0.01	<0.02
	12/10/03	<0.01	<0.005	0.12	<0.004	<0.005	3.7	3.4	<0.01	<0.01	<0.005	<0.0002	<0.02	<0.01	<0.005	<0.01	<0.005	<0.01	0.025
	03/18/04	<0.01	<0.005	0.18	<0.004	<0.005	0.23	0.19	<0.01	<0.01	<0.005	<0.0002	<0.02	0.01	<0.005	<0.01	0.0055	<0.01	0.098
	06/15/04	<0.01	<0.005	0.12	<0.004	<0.005	0.12	0.12	<0.01	<0.01	<0.005	<0.0002	<0.02	<0.01	<0.005	<0.01	<0.005	<0.01	<0.02
	09/14/04	<0.01	<0.005	0.12	<0.004	<0.005	2.5	2.4	<0.01	<0.01	<0.005	<0.0002	<0.02	<0.01	<0.005	<0.01	<0.005	<0.01	<0.15 UJ
	11/10/04	<0.01	<0.005	0.12	<0.004	<0.005	0.6	0.63 J	<0.001	0.63	<0.005	<0.0002	<0.02	<0.01	<0.005	<0.01	<0.001	<0.01	<0.02
	02/23/05	<0.01	<0.0082 UJ	0.36	<0.004	<0.005	0.18	0.17	<0.01	<0.01	<0.005	<0.0002	<0.02	<0.01	<0.005	<0.01	<0.001	<0.01	0.072
GW-3-D*	06/11/03	<0.01	<0.005	0.10	<0.004	<0.005	2.7	2.7	<0.01	<0.01	<0.005	<0.0002	<0.02	<0.01	<0.005	<0.01	<0.005	<0.01	<0.02

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TABLE C-3

HISTORICAL GROUNDWATER ANALYTICAL DATA - METALS
Honeywell North Hollywood Site
11600 Sherman Way, North Hollywood, California

Well ID	Sample Date	Antimony	Arsenic	Barium	Beryllium	Cadmium	Total Chromium	Chromium VI	Cobalt	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
		(mg/L)																	
GW-4	06/13/03	<0.01	<0.005	0.12	<0.004	<0.005	<0.005	<0.001	<0.01	<0.01	<0.005	<0.0002	<0.02	<0.01	<0.005	<0.01	<0.005	<0.01	<0.02
	09/19/03	<0.01	<0.005	0.12	<0.004	<0.005	0.0052	0.0031	<0.01	<0.01	<0.005	<0.0002	<0.02	<0.01	<0.005	<0.01	<0.005	<0.01	<0.02
	12/12/03	<0.01	<0.005	0.14	<0.004	<0.005	0.0056	<0.001	<0.01	<0.01	<0.005	<0.0002	<0.02	<0.01	<0.005	<0.01	<0.005	<0.01	<0.02
	03/19/04	<0.01	<0.005	0.14	<0.004	<0.005	<0.005	0.0013	<0.01	<0.01	<0.005	<0.0002	<0.02	<0.01	<0.005	<0.01	<0.005	<0.01	0.033
	06/18/04	<0.01	<0.005	120	<0.004	<0.005	<0.005	0.0024	<0.01	<0.01	<0.005	<0.0002	<0.02	<0.01	<0.005	<0.01	<0.005	<0.01	0.022
	09/16/04	<0.01	<0.005	0.13	<0.004	<0.005	<0.005	0.0012	<0.01	<0.01	<0.005	<0.0002	<0.02	<0.01	<0.005	<0.01	<0.005	<0.01	<0.02
	11/12/04	<0.01	<0.005	0.12	<0.004	<0.005	<0.005	0.0013	<0.001	0.001	<0.005	<0.0002	<0.02	<0.01	<0.005	<0.01	<0.001	<0.01	<0.02
	02/25/05	<0.01	<0.005	0.51	<0.004	<0.005	<0.005	0.0012	<0.01	<0.01	<0.005	<0.0002	<0.02	<0.01	<0.005	<0.01	<0.001	<0.01	0.1
GW-5	06/13/03	<0.01	<0.005	0.14	<0.004	<0.005	0.027	0.022	<0.01	<0.01	<0.005	<0.0002	<0.02	<0.01	<0.005	<0.01	<0.005	<0.01	<0.02
	09/19/03	<0.01	<0.005	0.14	<0.004	<0.005	0.0077	0.0012	<0.01	<0.01	<0.005	<0.0002	<0.02	<0.01	<0.005	<0.01	<0.005	<0.01	<0.02
	12/12/03	<0.01	<0.005	0.13	<0.004	<0.005	0.0072	<0.001	<0.01	<0.01	<0.005	<0.0002	<0.02	<0.01	<0.005	<0.01	<0.005	<0.01	<0.02
	03/19/04	<0.01	<0.005	0.13	<0.004	<0.005	<0.005	<0.001	<0.01	<0.01	<0.005	<0.0002	<0.02	<0.01	<0.005	<0.01	<0.005	<0.01	<0.02
	06/18/04	<0.01	<0.005	0.15	<0.004	<0.005	<0.005	<0.001	<0.01	<0.01	<0.005	<0.0002	<0.02	<0.01	<0.005	<0.01	<0.005	<0.01	<0.02
	09/16/04	<0.01	<0.005	0.13	<0.004	<0.005	<0.005	0.001	<0.01	<0.01	<0.005	<0.0002	<0.02	<0.01	<0.005	<0.01	<0.005	<0.01	<0.02
	11/12/04	<0.01	<0.005	0.12	<0.004	<0.005	<0.005	0.0012	<0.001	0.001	<0.005	<0.0002	<0.02	<0.01	<0.005	<0.01	<0.001	<0.01	<0.02
	02/25/05	<0.01	0.0069	0.35	<0.004	<0.005	<0.005	<0.001	<0.01	<0.01	<0.005	<0.0002	<0.02	<0.01	<0.005	<0.01	<0.001	<0.01	0.17
GW-6	06/10/03	<0.01	<0.005	0.15	<0.004	<0.005	<0.005	<0.001	<0.01	<0.01	<0.005	<0.0002	<0.02	<0.01	<0.005	<0.01	<0.005	<0.01	<0.02
	09/16/03	<0.01	<0.005	0.19	<0.004	<0.005	0.0063	0.0013	<0.01	0.011	<0.005	<0.0002	<0.02	<0.01	<0.005	<0.01	<0.005	0.013	0.026
	12/08/03	<0.01	<0.005	0.18	<0.004	<0.005	0.0082	<0.001	<0.01	<0.01	<0.005	<0.0002	<0.02	<0.01	<0.005	<0.01	<0.005	0.013	0.02
	03/16/04	<0.01	<0.005	0.15	<0.004	<0.005	<0.005	0.0011	<0.01	<0.01	<0.005	<0.0002	<0.02	<0.01	<0.005	<0.01	0.01	<0.01	<0.02
	06/14/04	<0.01	<0.005	0.16	<0.004	<0.005	<0.005	<0.001	<0.01	<0.01	<0.005	<0.0002	<0.02	<0.01	<0.005	<0.01	<0.005	<0.01	<0.02
	09/16/04	<0.01	<0.005	0.13	<0.004	<0.005	<0.005	0.001	<0.01	<0.01	<0.005	<0.0002	<0.02	<0.01	<0.005	<0.01	<0.005	<0.01	<0.02
	11/08/04	<0.01	<0.005	0.13	<0.004	<0.005	<0.005	0.001	<0.001	0.001	<0.005	<0.0002	<0.02	<0.01	<0.005	<0.01	<0.005	<0.01	<0.02
	02/22/05	<0.01	<0.005	0.32	<0.004	<0.005	<0.005	<0.001	<0.01	<0.01	<0.005	<0.0002	<0.02	<0.01	<0.005	<0.01	<0.001	<0.01	0.032
GW-7	06/11/03	<0.01	<0.005	0.14	<0.004	<0.005	0.53	0.31	<0.01	<0.01	<0.005	<0.0002	<0.02	0.016	<0.005	<0.01	<0.005	<0.01	<0.02
	09/17/03	<0.01	<0.005	0.16	<0.004	<0.005	2.6	2.4	<0.01	<0.01	<0.005	<0.0002	<0.02	<0.01	<0.005	<0.01	<0.005	<0.01	0.028
	09/17/03 DUP	<0.01	<0.005	0.17	<0.004	<0.005	2.7	2.6	<0.01	0.011	<0.005	<0.0002	<0.02	<0.01	<0.005	<0.01	<0.005	<0.01	0.036
	12/09/03	<0.01	0.0065	0.18	<0.004	<0.005	3.1	3.1	<0.01	0.015	<0.005	<0.0002	<0.02	0.010	<0.005	<0.01	<0.005	0.013	0.033
	03/17/04	<0.01	<0.005	0.18	<0.004	<0.005	0.33	0.27	<0.01	0.11	<0.005	<0.0002	<0.02	<0.01	<0.005	<0.01	<0.005	<0.01	0.07
	06/16/04	<0.01	<0.005	0.17	<0.004	<0.005	0.31	0.31	<0.01	<0.01	<0.005	<0.0002	<0.02	<0.01	<0.005	<0.01	<0.005	<0.01	<0.02
	09/14/04	<0.01	<0.005	0.14	<0.004	<0.005	1.4	1.3	<0.01	<0.01	<0.005	<0.0002	<0.02	<0.01	<0.005	<0.01	<0.005	<0.01	<0.022 UJ
	09/14/04 DUP	<0.01	<0.005	0.14	<0.004	<0.005	1.3	1.3	<0.01	<0.01	<0.005	<0.0002	<0.02	<0.01	<0.005	<0.01	<0.005	<0.01	<0.02
	11/11/04	<0.01	<0.005	0.14	<0.004	<0.005	0.26	0.28	<0.001	0.28	<0.005	<0.0002	<0.02	<0.01	<0.005	<0.01	<0.001	<0.01	<0.02
	02/24/05	<0.01	0.0082	0.26 J	<0.004	<0.005	0.14	0.091 J	<0.01	<0.01	<0.005	<0.0002	<0.02	<0.01	<0.005	<0.01	<0.001	<0.01	0.023 J
	02/24/05	<0.01	<0.005	0.39	<0.004	<0.005	0.14	0.13	<0.01	<0.01	<0.005	<0.0002	<0.02	<0.01	<0.005	<0.01	<0.001	<0.01	0.14

3/28/06 104(e)
0582

TABLE C-3

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Honeywell North Hollywood Site

11600 Sherman Way, North Hollywood, California

Well ID	Sample Date	Antimony	Arsenic	Barium	Beryllium	Cadmium	Total Chromium	Chromium VI	Cobalt	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
		(mg/L)																	
GW-7-D*	06/11/03	<0.01	<0.005	0.13	<0.004	<0.005	0.34	0.28	<0.01	<0.01	<0.005	<0.0002	<0.02	0.012	<0.005	<0.01	<0.005	<0.01	<0.02
GW-8	06/10/03	<0.01	<0.005	0.14	<0.004	<0.005	0.032	<0.001	<0.01	<0.01	<0.005	<0.0002	<0.02	<0.01	<0.005	<0.01	<0.005	<0.01	<0.02
	09/16/03	<0.01	<0.005	0.19	<0.004	<0.005	0.036	<0.001	<0.01	0.014	<0.005	<0.0002	<0.02	0.011	<0.005	<0.01	<0.005	0.014	0.026
	12/08/03	<0.01	<0.005	0.20	<0.004	<0.005	0.15	0.001	<0.01	0.015	<0.005	<0.0002	<0.02	0.030	<0.005	<0.01	<0.005	0.015	0.021
	03/16/04	<0.01	<0.005	0.15	<0.004	<0.005	0.033	<0.001	<0.01	<0.01	<0.005	<0.0002	<0.02	0.013	<0.005	<0.01	<0.005	<0.01	<0.02
	03/16/04 DUP	<0.01	<0.005	0.15	<0.004	<0.005	0.028	<0.001	<0.01	<0.01	<0.005	<0.0002	<0.02	0.013	<0.005	<0.01	<0.005	<0.01	<0.02
	06/14/04	<0.01	<0.005	0.15	<0.004	<0.005	0.013	0.0013	<0.01	<0.01	<0.005	<0.0002	<0.02	0.012	<0.005	<0.01	<0.005	<0.01	<0.02
	06/14/04 DUP	<0.01	<0.005	0.15	<0.004	<0.005	0.016	<0.001	<0.01	<0.01	<0.005	<0.0002	<0.02	0.012	<0.005	<0.01	<0.005	<0.01	<0.02
	09/14/04	<0.01	<0.005	0.13	<0.004	<0.005	<0.005	0.001	<0.01	<0.01	<0.005	<0.0002	<0.02	<0.01	<0.005	<0.01	<0.005	<0.01	<0.02
	11/08/04	<0.01	<0.005	0.13	<0.004	<0.005	<0.005	0.001	<0.001	0.001	<0.005	<0.0002	<0.02	<0.01	<0.005	<0.01	<0.005	<0.01	<0.02
	02/22/05	<0.01	0.0066	0.45	<0.004	<0.005	<0.005	<0.001	<0.01	<0.01	<0.005	<0.0002	<0.02	<0.01	<0.005	<0.01	<0.001	<0.01	0.11
GW-9	06/16/03	<0.01	<0.005	0.21	<0.004	<0.005	0.014	0.0013	<0.01	<0.01	<0.005	<0.0002	<0.02	<0.01	<0.005	<0.01	<0.005	0.016	0.028
	09/17/03	<0.01	<0.005	0.23	<0.004	<0.005	0.018	<0.001	<0.01	0.12	<0.005	<0.0002	<0.02	<0.01	<0.005	<0.01	<0.005	0.015	0.031
	12/08/03	<0.01	0.011	0.56	<0.004	<0.005	0.24	0.0011	0.020	0.077	0.021	0.0004	<0.02	0.052	<0.005	<0.01	<0.005	0.11	0.16
	03/16/04	<0.01	<0.005	0.32	<0.004	<0.005	0.15	0.0011	<0.01	0.025	0.0064	<0.0002	<0.02	0.033	<0.005	<0.01	<0.005	0.037	0.068
	06/15/04	<0.01	<0.005	0.16	<0.004	<0.005	0.0051	0.001	<0.01	<0.01	<0.005	<0.0002	<0.02	<0.01	<0.005	<0.01	<0.005	<0.01	<0.02
	09/14/04	<0.01	<0.005	0.14	<0.004	<0.005	<0.005	<0.001	<0.01	<0.01	<0.005	<0.0002	<0.02	<0.01	<0.005	<0.01	<0.005	<0.01	<0.02
	11/08/04	<0.01	<0.005	0.15	<0.004	<0.005	<0.005	<0.001	<0.001	<0.001	<0.005	<0.0002	<0.02	<0.01	<0.005	<0.01	<0.005	<0.01	<0.02
	02/22/05	<0.01	0.0071	0.23	<0.004	<0.005	<0.005	<0.001	<0.01	<0.01	<0.005	<0.0002	<0.02	<0.01	<0.005	<0.01	<0.001	<0.01	<0.02
GW-10	06/11/03	<0.01	<0.005	0.14	<0.004	<0.005	0.12	0.085	<0.01	<0.01	<0.005	<0.0002	<0.02	0.010	<0.005	<0.01	<0.005	<0.01	0.021
	09/17/03	<0.01	<0.005	0.17	<0.004	<0.005	7.9	7.5	<0.01	<0.01	<0.005	<0.0002	<0.02	<0.01	<0.005	<0.01	<0.005	<0.01	0.026
	12/10/03	<0.03	<0.015	0.22	<0.012	<0.015	27.0	26.0	<0.03	<0.03	<0.015	<0.0002	<0.06	<0.03	<0.015	<0.03	<0.015	<0.03	<0.06
	12/10/03 DUP	<0.03	<0.015	0.23	<0.012	<0.015	28.0	27.0	<0.03	<0.03	<0.015	<0.0002	<0.06	<0.03	<0.015	<0.03	<0.015	<0.03	<0.06
	03/17/04	<0.01	<0.005	0.19	<0.004	<0.005	1.9	1.7	<0.01	<0.01	<0.005	<0.0002	<0.02	<0.01	<0.005	<0.01	0.0065	<0.01	<0.02
	03/17/04 DUP	<0.01	<0.005	0.22	<0.004	<0.005	1.9	1.7	<0.01	<0.01	<0.005	<0.0002	<0.02	0.013	<0.005	<0.01	<0.005	0.01	<0.02
	06/16/04	<0.01	<0.005	0.13	<0.004	<0.005	1.1	1.1	<0.01	<0.01	<0.005	<0.0002	<0.02	<0.01	<0.005	<0.01	<0.005	<0.01	<0.02
	06/16/04 DUP	<0.01	<0.005	0.13	<0.004	<0.005	1.1	1.1	<0.01	<0.01	<0.005	<0.0002	<0.02	<0.01	<0.005	<0.01	<0.005	<0.01	<0.02
	09/15/04	<0.02	0.009 J	0.14	<0.008	<0.010	15.0	14.0	<0.02	<0.02	<0.01	0.00014 J	0.013 J	<0.02	<0.01	<0.02	0.007 J	<0.02	<0.04 UJ
	11/11/04	<0.01	<0.005	0.12	<0.004	<0.005	0.92	0.95	<0.001	0.94	<0.005	<0.0002	<0.02	<0.01	<0.005	<0.01	<0.001	<0.01	<0.02
	11/11/04 DUP	<0.01	<0.005	0.11	<0.004	<0.005	0.88	0.94 J	<0.001	0.95	<0.005	<0.0002	<0.02	<0.01	<0.005	<0.01	<0.001	<0.01	<0.02
	02/25/05	<0.01	<0.005	0.26	<0.004	<0.005	0.20	0.17	<0.01	<0.01	<0.005	<0.0002	<0.02	<0.01	<0.005	<0.01	<0.001	<0.01	0.024

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TABLE C-3

HISTORICAL GROUNDWATER ANALYTICAL DATA - METALS
Honeywell North Hollywood Site
11600 Sherman Way, North Hollywood, California

Well ID	Sample Date	Antimony	Arsenic	Barium	Beryllium	Cadmium	Total Chromium	Chromium^{VI}	Cobalt	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
		(mg/L)																	
GW-10-D*	06/11/03	<0.01	<0.005	0.16	<0.004	<0.005	0.45	0.084	<0.01	<0.01	<0.005	<0.0002	<0.02	0.058	<0.005	<0.01	<0.005	<0.01	<0.02
GW-14A	01/14/04	<0.01	<0.005	0.10	<0.004	<0.005	0.013	0.0012	<0.01	<0.01	<0.005	<0.0002	<0.02	<0.01	<0.005	<0.01	<0.005	<0.01	<0.02
	01/14/04 DUP	<0.01	<0.005	0.10	<0.004	<0.005	0.014	0.0013	<0.01	<0.01	<0.005	<0.0002	<0.02	<0.01	<0.005	<0.01	<0.005	<0.01	<0.02
	03/17/04	<0.01	<0.005	0.13	<0.004	<0.005	0.10	0.056	<0.01	0.01	<0.005	<0.0002	<0.02	0.018	<0.005	<0.01	<0.005	0.015	0.22
	06/15/04	<0.01	<0.005	0.098	<0.004	<0.005	0.29	0.028	<0.01	<0.01	<0.005	<0.0002	<0.02	<0.01	<0.005	<0.01	<0.005	<0.01	<0.02
	09/14/04	<0.01	<0.005	0.11	<0.004	<0.005	0.83	0.079	<0.01	<0.01	<0.005	<0.0002	<0.02	<0.01	<0.005	<0.01	<0.005	<0.01	<0.06 UJ
	11/09/04	<0.01	<0.005	0.11	<0.004	<0.005	0.22	0.021	<0.001	0.21	<0.005	<0.0002	<0.02	<0.01	<0.005	<0.01	<0.001	<0.01	<0.02
	02/23/05	<0.01	<0.005	0.36	<0.004	<0.005	0.82	0.72	<0.01	<0.01	<0.005	<0.0002	<0.02	<0.01	<0.005	<0.01	<0.001	<0.01	0.058
GW-14A-S*	01/13/04	<0.01	<0.005	0.088	<0.004	<0.005	<0.005	0.0011	<0.01	<0.01	<0.005	<0.0002	<0.02	<0.01	<0.005	<0.01	<0.005	<0.01	<0.02
GW-14B	01/14/04	<0.01	<0.005	0.11	<0.004	<0.005	<0.005	0.0011	<0.01	<0.01	<0.005	<0.0002	<0.02	<0.01	<0.005	<0.01	0.0095	<0.01	<0.02
	03/17/04	<0.01	<0.005	0.14	<0.004	<0.005	<0.005	<0.001	<0.01	<0.01	<0.005	<0.0002	<0.02	<0.01	<0.005	<0.01	<0.005	<0.01	<0.02
	06/15/04	<0.01	<0.005	0.12	<0.004	<0.005	<0.005	<0.001	<0.01	<0.01	<0.005	<0.0002	<0.02	<0.01	<0.005	<0.01	<0.005	<0.01	0.031
	09/14/04	<0.01	<0.005	0.12	<0.004	<0.005	0.32	0.30	<0.01	<0.01	<0.005	<0.0002	<0.02	<0.01	<0.005	<0.01	<0.005	<0.01	<0.02
	11/09/04	<0.01	<0.005	0.13	<0.004	<0.005	0.30	0.28	<0.001	0.28	<0.005	<0.0002	<0.02	<0.01	<0.005	<0.01	<0.001	<0.01	<0.02
	02/24/05	<0.01	<0.005	0.48	<0.004	<0.005	0.05	0.045	<0.01	<0.01	<0.005	<0.0002	<0.02	<0.01	<0.005	<0.01	<0.001	<0.01	0.12
GW-14B-S*	01/13/04	<0.01	<0.005	0.11	<0.004	<0.005	<0.005	0.0011	<0.01	<0.01	<0.005	<0.0002	<0.02	<0.01	<0.005	<0.01	<0.005	<0.01	<0.02
GW-14B-M*	01/13/04	<0.01	<0.005	0.12	<0.004	<0.005	0.0081	0.0011	<0.01	<0.01	<0.005	<0.0002	<0.02	<0.01	<0.005	<0.01	<0.005	<0.01	<0.02
GW-14B-D*	01/13/04	<0.01	<0.005	0.12	<0.004	<0.005	<0.005	0.0012	<0.01	<0.01	<0.005	<0.0002	<0.02	<0.01	<0.005	<0.01	<0.005	<0.01	<0.02
GW-15	06/16/04	<0.01	<0.005	0.094	<0.004	<0.005	1.8	1.8	<0.01	<0.01	<0.005	<0.0002	<0.02	<0.01	<0.005	<0.01	<0.005	<0.01	<0.02
	09/15/04	<0.01	0.0056	0.12	<0.004	<0.005	8.1	8.8	<0.01	<0.01	<0.005	<0.0002	<0.02	<0.01	<0.005	<0.01	0.0052	<0.01	0.078 J
	09/15/04 DUP	<0.01	<0.005	0.12	<0.004	<0.005	7.7	8.6	<0.01	<0.01	<0.005	<0.0002	<0.02	<0.01	<0.005	<0.01	<0.005	<0.01	<0.021 UJ
	11/10/04	<0.01	<0.005	0.12	<0.004	<0.005	4.5	4.8	<0.001	<0.01	<0.005	<0.0002	<0.02	<0.01	<0.005	<0.01	<0.001	<0.01	<0.02
	11/10/04 DUP	<0.01	<0.005	0.12	<0.004	<0.005	4.5	4.8	<0.001	<0.01	<0.005	<0.0002	<0.02	<0.01	<0.005	<0.01	<0.001	<0.01	<0.02
	02/25/05	<0.01	0.0066	0.26 J	<0.004	<0.005	7.0	6.4	<0.01	<0.01	<0.005	<0.0002	<0.02	<0.01	<0.005	<0.01	<0.001	<0.01	0.038
	02/25/05	<0.01	<0.005	0.18	<0.004	<0.005	6.7	6.5	<0.01	<0.01	<0.005	<0.0002	<0.02	<0.01	<0.005	<0.01	<0.001	<0.01	<0.02

Notes:

Samples were analyzed using EPA Method 6010B, except for chromium^{VI} (EPA Method 7199) and mercury (EPA Method 7470A)
EPA - U.S. Environmental Protection Agency
DUP - Duplicate sample collected
J - Estimated
mg/L - Milligrams per liter
UJ - Result is non detected, however, the reporting limit is qualified as estimated
< - Less than listed reporting limit
*Sample from lower part of well screen interval.

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TABLE C-4

HISTORICAL GROUNDWATER ANALYTICAL DATA - ORGANICS

Honeywell North Hollywood Site

11600 Sherman Way, North Hollywood, California

Well ID	Sample Date	µg/L									
		1,1,1-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2-Dichloroethane	Carbon Tetrachloride	Chloroform	cis-1,2-Dichloroethene	Dichlorodifluoromethane	Tetrachloroethene	Trichloroethene
GW-1	11/09/04	<1	1.5	2.3	<0.5	<0.5	<1	10	<2	5.6	13
	02/23/05	<1	3.1	<1	0.91	<0.5	<1	22	10	12	11
GW-2	11/08/04	<1	2.8	<1	0.93	<0.5	<1	20	4.7	10	14
	02/22/05	<1	3.5	<1	1.9	<0.5	<1	29	15	15	8.6
GW-3	06/11/03	6.9	12	8.8	1.20	0.58	2.0	24	7.2	15	200
	6/11/03 DUP	3.7	6.8	5.1	0.86	<0.28	1.2	18	<1.1	10	110
	11/10/04	<1	3.4	<1	0.86	<0.5	<1	23	6.0	14	21
	02/23/05	<1	3.8	<1	1.3	<0.5	<1	29	14	16	12
GW-4	11/12/04	<1	3.7	<1	1.10	<0.5	<1	23	13	15	12
	02/25/05	<1	3.9	<1	1.0	<0.5	<1	27	14	14	12
GW-5	11/12/04	<1	3.9	<1	0.88	<0.5	<1	21	9.3	17	11
	02/25/05	<1	5.6	<1	1.3	<0.5	<1	34	18	18	15
GW-6	11/08/04	<1	2.0	<1	0.51	<0.5	<1	13	<2	7.4	5.2
	02/22/05	<1	4.8	<1	1.3	<0.5	<1	28	14	17	11
GW-7	6/11/03 DUP	<0.6	6.7	2.5	1.00	<0.56	2.2	22	<2.2	12	170
	11/11/04	1.7	5.9	<2.5 UJ	0.68	<0.5	1.2	20	5.8	12	87
	02/24/05	<1	5.2	1.5	1.0	<0.5	<1	27	11	14	53
	2/24/05 DUP	<1	5.0	1.4	1.1	<0.5	1.0	25	11	13	51
GW-8	11/08/04	<1	1.5	<1	0.58	<0.5	<1	11	3.4	7.9	14
	02/22/05	<1	1.8	<1	0.66	<0.5	<1	14	4.9	8.7	9.9
GW-9	11/08/04	<1	1.6	<1	0.60	0.5	<1	12	2.6	7.3	21
	02/22/05	<1	1.9	<1	0.64	<0.5	<1	14	4.6	9.5	17
GW-10	06/11/03	4.6	<1.1	7.6	<1.1	<1.1	6.3	24	<4.4	20	610
	6/11/03 DUP	2.3	3.1	<0.64	<0.56	<0.56	2.8	17	<2.2	13	240
	11/11/04	<1	2.0	<1	0.84	<0.5	<1	16	9.5	12 J	25 J
	11/11/04 DUP	<1	2.0	<1.8 UJ	0.82	<0.5	1.1	17	9.3	16	130
	02/25/05	<1	2.6	<1	1.2	<0.5	<1	23	13	13	18
GW-14A	11/09/04	<1	2.1	1.8	0.50	<0.5	<1	11	<2	8.3	29
	02/23/05	<1	3.9	<1	1.6	<0.5	<1	31	7.0	16	14
GW-14B	11/09/04	<1	3.6	<1	1.30	<0.5	<1	28	7.0	15	15
	02/24/05	<1	4.3	<1	1.7	<0.5	<1	37	16	16	9.5
GW-15	05/13/04	<1	1.2	<1	<0.5	<0.5	<1	6	<5	2.3	14
	11/10/04	3.5	6.7	6.0	1.30	0.54	1.5	23	7.9	13	120
	11/10/04 DUP	3.5	6.5	6.2	1.20	0.57	1.5	22	8.1	12	120
	02/25/05	4.0	8.0	7.6	1.2	0.51	2.2	26	8.2	13	160
	2/25/05 DUP	3.9	7.8	7.4	1.2	<0.5	2.2	25	8.2	13	150

Notes:
Samples were analyzed using EPA Method 8260
Only detected analytes are shown.
DUP - Duplicate sample listed immediately below original sample
EPA - U.S. Environmental Protection Agency
J - Estimated
µg/L - Micrograms per liter
UJ - Result is non detect, however, the reporting limit is qualified as estimated
< - Less than listed reporting limit

TABLE C-5

HISTORICAL GROUNDWATER ANALYTICAL DATA - EMERGING CHEMICALS
Honeywell North Hollywood Site
11600 Sherman Way, North Hollywood, California

Well ID	Sample Date	µg/L			
		Perchlorate (EPA 314.0)	n-Nitrosodi-methylamine (EPA 1625)	1,4-Dioxane (EPA 8270C)	1,2,3-Trichloropropane (EPA 8260B)
GW-1	03/25/03	<2.0	<0.002	4.4	<0.005
	03/25/03 DUP	<2.0	<0.002	3.9	0.0053
	06/16/03	<2.0	0.0022	4.6	0.007
	06/16/03 DUP	<2.0	0.0048	4.4	0.0056
	09/17/03	2.2	<0.002	3.1	<0.005
	12/09/03	<2.0	0.014	3.7	<0.005
GW-2	03/25/03	<2.0	<0.002	3.6	0.016
	06/10/03	<2.0	0.025	4.0	0.011
	09/16/03	<2.0	0.043 J	3.6	<0.005
	12/08/03	<2.0	0.011	5.5	<0.005
	03/16/04	<2.0	NA	5.5	NA
	06/14/04	<2.0	NA	5.1	NA
	09/16/04	<2	NA	4.2	NA
	11/08/04	<2	NA	5.0	NA
	02/22/05	<2	NA	4.1	NA
GW-3	03/26/03	2.0	<0.002	5.2	0.0083
	06/11/03	4.4	<0.002	20	0.0084
	09/17/03	17.0	<0.0023 J	30	<0.005
	12/10/03	8.4	0.021	14	<0.005
	03/18/04	<2.0	NA	5.9	NA
	06/15/04	<2.0	NA	6.4	NA
	09/14/04	5.3	NA	9.1	NA
	11/10/04	<2	NA	6.2	NA
	02/23/05	<2	NA	5.4	NA
GW-4	03/27/03	<2.0	<0.002	4.0	0.007
	06/13/03	<2.0	0.018	4.7	0.0069
	09/19/03	<2.0	<0.0068 J	3.5	0.0052
	12/12/03	<2.0	0.017	4.1	<0.005
GW-5	03/24/03	<2.0	<0.002	5.5	0.013
	06/13/03	<2.0	0.025	6.4	0.013
	09/19/03	<2.0	<0.002	27	<0.005
	12/12/03	<2.0	0.031	4.9	<0.005

TABLE C-5

HISTORICAL GROUNDWATER ANALYTICAL DATA - EMERGING CHEMICALS
Honeywell North Hollywood Site
11600 Sherman Way, North Hollywood, California

Well ID	Sample Date	µg/L			
		Perchlorate	n-Nitrosodi-methylamine	1,4-Dioxane	1,2,3-Trichloropropane
GW-6	03/25/03	<2.0	0.003	3.5	<0.005
	06/10/03	<2.0	0.0032	5.2	0.0054
	09/16/03	<2.0	<0.0021 J	5.3	0.005
	12/08/03	<2.0	<0.002	4.9	0.0056
	03/16/04	<2.0	NA	5.0	NA
	06/14/04	<2.0	NA	5.8	NA
	09/16/04	<2	NA	4.1	NA
	11/08/04	<2	NA	3.8	NA
	02/22/05	<2	NA	6.3	NA
GW-7	03/26/03	<2.0	<0.002	4.9	0.010
	06/11/03	<2.0	<0.002	6.5	0.010
	09/17/03	8.9	<0.0028 J	32	<0.005
	09/17/03[DUP]	9.2	<0.0026 J	35	<0.05
	12/09/03	10	0.034	23	<0.005
	03/17/04	<2.0	NA	5.2	NA
	06/16/04	2.1	NA	4.8	NA
	09/14/04	3.7	NA	11	NA
	09/14/04[DUP]	3.9	NA	10	NA
	11/11/04	<2	NA	5.6	NA
	02/24/05	<2	NA	5.0	NA
	02/24/05	<2	NA	5.1	NA
GW-8	03/24/03	<2.0	0.0037	7.3	<0.005
	06/10/03	<2.0	<0.002	5.3	<0.005
	09/16/03	<2.0	<0.0064 J	4.1	<0.005
	12/08/03	<2.0	0.0031	4.2	<0.005
GW-9	03/24/03	<2.0	0.012	2.6	<0.005
	06/16/03	2.3	0.0096	1.2	<0.005
	09/17/03	2.7	<0.0044 J	1.0	<0.005
	12/08/03	<2.0	0.0049	1.5	<0.005

TABLE C-5

HISTORICAL GROUNDWATER ANALYTICAL DATA - EMERGING CHEMICALS
Honeywell North Hollywood Site
11600 Sherman Way, North Hollywood, California

Well ID	Sample Date	µg/L			
		Perchlorate	n-Nitrosodi-methylamine	1,4-Dioxane	1,2,3-Trichloropropane
GW-10	03/26/03	<2.0	<0.002	5.2	0.0063
	06/11/03	<2.0	<0.002	6.5	<0.005
	09/17/03	19	<0.0021 J	19	<0.005
	12/10/03	45	0.0043	37	<0.005
	12/10/03 DUP	38	0.0043	37	<0.005
	03/17/04	3.4	NA	6.6	NA
	03/17/04 DUP	<2.0	NA	5.4	NA
	06/16/04	3.1	NA	7.4	NA
	06/16/04 DUP	<2.0	NA	6.3	NA
	09/15/04	11	NA	17	NA
	11/11/04	<2	NA	4	NA
	11/11/04 DUP	<2	NA	4.1	NA
	02/25/05	<2	NA	<5	NA
GW-15	06/16/04	2.9	NA	8.1	NA
	09/15/04	13	NA	24	NA
	09/15/04 DUP	14	NA	23	NA
	11/10/04	6.7	NA	11	NA
	11/11/04 DUP	6.4	NA	9.2	NA
	02/25/05	8.8	NA	16	NA
	02/25/05	8.9	NA	14	NA

Notes:
DUP - Duplicate sample collected
EPA - U.S. Environmental Protection Agency
J - Estimated
µg/L - Micrograms per liter
NA - Not analyzed
< - Less than listed reporting limit

APPENDIX D

GROUNDWATER SAMPLING LOGS

WELL GAUGING FORM

Client: Honeywell - North Hollywood Site: 11600 Sherman Way, North Hollywood Job Number: 1890933.0501

WELL ID	WATER LEVEL (TOC)	WELL DEPTH (TOC)	TAKEN FROM	WELL DIAMETER (in)	DATE	TIME (24hr)	COMMENTS: CONDITION OF WELL/WELL REPAIRS
GW-5	278.34	308	TOC	4"	2/22/05	0515	
GW-4	274.91	305		4"		0535	down installing transducer.
GW-8	275.69	305		4"		0545	
GW-9	274.33	303		4"		0610	
GW-7	268.54	310		4"		0635	download transducer data
GW-10	271.31	310		4"		0652	download transducer data
GW-15	270.33	~300		6"		0715	
GW-6	277.91	305		4"		0735	
GW-2	272.99	301		4"		0800	
GW-1	273.98	305		4"		0815	download transducer data
GW-14A	273.41	285		4"		0825	
GW-14B	272.70	312		~~4~~6"		0827	
GW-3	270.76	305		4"	2/22/05	0905	
GW-12A-285	266.10	285		1"	2/23/05	1425	
GW-12A-320	265.95	320		1"		1430	
GW-12A-350	266.02	350	TOC	1"	2/23/05	1434	

NOTES:
* TOC - Top of Casing
GL - Ground Level
PC - Protective Casing

MWH
MONTGOMERY WATSON HARZA

PAS1-IPO/Admin/Standard MW Forms/GW Gauging and Sampling Log

3/28/06 104(e)
0591

MWH

GROUND WATER PURGING (LOW FLOW) FORM

Well Number: GW-2
Purging Date:

Client: Honeywell - North Hollywood
Site: 11600 Sherman Way, North Hollywood
Job Number: 1890933.0501

Total well depth (ft): 305
Well Diameter (in): 4"
Borehole Diameter (in): 4"

Gauging Date: 2/22/05
Bailer ID:
Sample Date: 2/23/05

Static water level (ft): 273.98
Previous static water level (ft):
Standing water column (ft):

Development method: low flow
Purging method: ↓
Sampling method: tube

* All measurements taken from: X Top of casing, ___ Protective casing, ___ Ground leve

instrument = YSI 650 MDS

TIME	AMOUNT PURGED (gal)	EC (mS/cm)	pH	TEMP (C)	TURBIDITY (NTU)	ORP (mV)	DO (mg/L)	COLOR/COMMENTS	WATER LEVEL (ft bgs)
0812								start pumping	
0820	8 gal	1811	7.36	19.74	2	134.5	5.36		
0825	13 gal	1810	7.36	19.95	1	132.1	5.25		
0830	18 gal	1808	7.37	20.04	1	132.2	5.53		
0835	23 gal	18.02	7.39	20.02	1	131.1	5.47	DTW = 272.99	
0845								collect GW-1-02/23/05	
								Decon 3 bucket method	

NFE
J.P.

PAS1-IFO/Admin/Standard MW Forms/GW Gauging and Sampling Log

3/28/06 104(e)
0592

MWH

GROUND WATER PURGING (LOW FLOW) FORM

Well Number: GW-2
Purging Date: 2/22/05

Client: Honeywell - North Hollywood
Site: 11600 Sherman Way, North Hollywood
Job Number: 1890933.0501

Total well depth (ft): 301
Well Diameter (in): 4"
Borehole Diameter (in):

Gauging Date: 2/22/05
Bailer ID:
Sample Date: 2/22/05

Static water level (ft): 272.99
Previous static water level (ft):
Standing water column (ft):

Development method: low flow
Purging method: ↓
Sampling method: tube
YSI 650 MDS

* All measurements taken from: X Top of casing, ___ Protective casing, ___ Ground leve

TIME	AMOUNT PURGED (gal)	EC (mS/cm)	pH	TEMP (C)	TURBIDITY (NTU)	ORP (mV)	DO (mg/L)	COLOR/COMMENTS	WATER LEVEL (ft bgs)
1210								start pumping	
1225	15	1896	7.27	20.16	1	126.5	1.63		
1230	20	1905	7.27	20.24	1	125.6	1.70		
1235	25	1905	7.27	20.23	1	125.3	1.56		
1240	30	1907	7.28	20.32	2	125.3	1.52	DTW = 272.99	
1250								collect - GW-2-2/22/05	
								decon 3 bucket method	

NFE
JP

PAS1-IFO/Admin/Standard MW Forms/GW Gauging and Sampling Log

3/28/06 104(e)
0593

MWH

GROUND WATER PURGING (LOW FLOW) FORM

Well Number: GW-3
Purging Date: 2/23/05

Client: Honeywell - North Hollywood
Site: 11600 Sherman Way, North Hollywood
Job Number: 1890933.0501

Total well depth (ft): 305
Well Diameter (in): 4"
Borehole Diameter (in):

Gauging Date: 2/22/05
Bailer ID:
Sample Date: 2/23/05

Static water level (ft): 270.76
Previous static water level (ft):
Standing water column (ft):

Development method: low flow
Purging method: ↓
Sampling method: tube
YSI 650 MDS

* All measurements taken from: X Top of casing, ___ Protective casing, ___ Ground leve

TIME	AMOUNT PURGED (gal)	EC (mS/cm)	pH	TEMP (C)	TURBIDITY (NTU)	ORP (mV)	DO (mg/L)	COLOR/COMMENTS	WATER LEVEL (ft bgs)
0945								start pumping	
0955	10 gal	1780	7.33	19.24	2	130.0	3.46		
1000	15 gal	1786	7.33	19.24	2	130.5	3.45		
1005	20 gal	1789	7.33	19.27	1	130.9	3.43	DTW = 270.76	
1015								collect GW-3-2/23/05	
								decon 3 bucket method	

NFF

PAS1-IFO/Admin/Standard MW Forms/GW Gauging and Sampling Log

3/28/06 104(e)
0594

MWH GROUND WATER PURGING (LOW FLOW) FORM

Well Number: GW-4
Purging Date: 2/25/05

Client: Honeywell - North Hollywood
Site: 11600 Sherman Way, North Hollywood
Job Number: 1890933.0501

Total well depth (ft): 30.5'
Well Diameter (in):
Borehole Diameter (in):

Gauging Date: 2/22/05
Bailer ID:
Sample Date: 2/25/05

Static water level (ft): 274.91
Previous static water level (ft):
Standing water column (ft):

Development method: low flow
Purging method: ↓
Sampling method: tube
VSL 650 MDS

* All measurements taken from: ☒ Top of casing, ___ Protective casing, ___ Ground level

TIME (24 hours)	AMOUNT PURGED (gal)	EC (mS/cm)	pH	TEMP (C)	TURBIDITY (NTU)	ORP (mV)	DO (mg/L)	COLOR/COMMENTS	WATER LEVEL (ft bgs)
0430								start pumping	
0440	10 gal	1651	7.49	20.54	11	110.8	5.11		
0445	15 gal	1641	7.50	20.78	16	110.9	4.97		
0450	20 gal	1637	7.50	20.82	33	110.2	4.84		
0455	25 gal	1634	7.50	21.59	32	109.5	4.89		
0500	30 gal	1666	7.50	21.13	27	~~108~~ 109.1	4.89	DTW=	
0510								collect GW-4 - 2/25/05	
								decon 3 bucket method	

NFE
J.P.

PAS1-IPO/Admin/Standard MW Forms/GW Gauging and Sampling Log

3/28/06 104(e)
0595

MWH

GROUND WATER PURGING (LOW FLOW) FORM

Well Number: GW-5
Purging Date: 2/25/05

Client: Honeywell - North Hollywood
Site: 11600 Sherman Way, North Hollywood
Job Number: 1890933.0501

Total well depth (ft): 308
Well Diameter (in): 4"
Borehole Diameter (in):

Gauging Date: 2/22/05
Bailer ID:
Sample Date: 2/25/05

Static water level (ft): 274.34
Previous static water level (ft):
Standing water column (ft):

Development method: low flow
Purging method: ↓
Sampling method: tube
YSI 650 MDS

* All measurements taken from X Top of casing, ___ Protective casing, ___ Ground leve

TIME	AMOUNT PURGED (gal)	EC (mS/cm)	pH	TEMP (°C)	TURBIDITY (NTU)	ORP (mV)	DO (mg/L)	COLOR/COMMENTS	WATER LEVEL (ft bgs)
0245								start pumping	
0255	10 gal	2000	7.35	19.02	2	116.8	3.77		
0300	15 gal	1953	7.38	19.53	2	119.8	3.57		
0305	20 gal	1965	7.38	19.75	2	119.5	3.38	DTW = 274.46	
0310								collect GW-5 2/25/05	
								decon 3 bucket method	

NFE
J.P.

PAS1-IFO/Admin/Standard MW Forms/GW Gauging and Sampling Log

3/28/06 104(e)
0596

MWH GROUND WATER PURGING (LOW FLOW) FORM

Well Number: GW-6
Purging Date: 2/22/05

Client: Honeywell - North Hollywood
Site: 11600 Sherman Way, North Hollywood
Job Number: 1890933.0501

Total well depth (ft): 305
Well Diameter (in): 4"
Borehole Diameter (in):

Gauging Date: 2/22/05
Bailer ID:
Sample Date: 2/22/05

Static water level (ft): 277.91
Previous static water level (ft):
Standing water column (ft):

Development method: low flow
Purging method: ↓
Sampling method: tube
YSI 650 MDS

* All measurements taken from: X Top of casing, ___ Protective casing, ___ Ground leve

TIME	AMOUNT PURGED (gal)	EC (µS/cm)	pH	TEMP (°C)	TURBIDITY (NTU)	ORP (mV)	DO (mg/L)	COLOR/COMMENTS	WATER LEVEL (ft bgs)
1030								start pumping @ 1 gpm	
1035	5 gal	2029	7.22	19.56	24.9	147.3	2.92		
1040	10 gal	2026	7.24	20.03	32.1	137.7	2.53		
1045	15 gal	2027	7.25	20.04	34.1	132.4	2.45		
1050	20 gal	2019	7.25	20.07	98.0 *	131.6	2.52	* suspect erroneous readings; use HACH meter	
1055	25 gal	2027	7.26	20.08	3.0	133.8	2.42		
1100	30 gal	2029	7.25	20.01	4.0	134.0	2.44	DTW = 277.92	
1110								→ collect GW-6-2/22/05	
								decon 3 bailout method	
						NFE			
						D.P.			

PAS1-IFO/Admin/Standard MW Forms/GW Gauging and Sampling Log

3/28/06 104(e)
0597

MWH GROUND WATER PURGING (LOW FLOW) FORM

Well Number: GW-7
Purging Date: 2/24/05

Client: Honeywell - North Hollywood
Site: 11600 Sherman Way, North Hollywood
Job Number: 1890933.0501

Total well depth (ft): 310
Well Diameter (in): 4"
Borehole Diameter (in):

Gauging Date: 2/22/05
Bailer ID:
Sample Date: 2/24/05

Static water level (ft): 268.54
Previous static water level (ft):
Standing water column (ft):

Development method: low flow
Purging method: L
Sampling method: tube
YSI 650 MDS

* All measurements taken from: X Top of casing, ___ Protective casing, ___ Ground leve

TIME	AMOUNT PURGED (gal)	EC (mS/cm)	pH	TEMP (C)	TURBIDITY (NTU)	ORP (mV)	DO (mg/L)	COLOR/COMMENTS	WATER LEVEL (ft bgs)
2155									
2210	15 gal	1708	7.39	20.19	1	126.1	4.96	start pumping	
2215	20 gal	1713	7.39	20.50	2	125.1	5.04		
2220	25 gal	1722	7.39	20.55	2	124.9	4.93		
2225	30 gal	1716	7.40	20.59	2	124.6	4.82	DTW = 268.65	
2230								collect GW-7-2/24/05	
								decon 3 bucket method	
						NFF			
						S.P.			

PAS1-IFO/Admin/Standard MW Forms/GW Gauging and Sampling Log

3/28/06 104(c)
0598

MWH

GROUND WATER PURGING (LOW FLOW) FORM

Well Number: GW-8
Purging Date: 2/22/05

Client: Honeywell - North Hollywood
Site: 11600 Sherman Way, North Hollywood
Job Number: 1890933.0501

Total well depth (ft): 305
Well Diameter (in): 4"
Borehole Diameter (in):

Gauging Date: 2/22/05
Bailer ID:
Sample Date: 2/22/05

Static water level (ft): 275.69
Previous static water level (ft):
Standing water column (ft):

Development method: low flow
Purging method: ↓
Sampling method: tube
YSI 650 MDS

* All measurements taken from: X Top of casing, ___ Protective casing, ___ Ground level

TIME	AMOUNT PURGED (gal)	EC (mS/cm)	pH	TEMP (C)	TURBIDITY (NTU)	ORP (mV)	DO (mg/L)	COLOR/COMMENTS	WATER LEVEL (ft bgs)
1525									
1535	10	1742	7.28	19.75	1	115.0	4.93	start pumping	
1540	15	1740	7.29	19.78	1	113.0	4.90		
1545	20	1754	7.28	19.72	1	114.7	4.63		
1550	25	1743	7.29	19.78	1	114.6	5.01	DTW = 275.70	
1600								→ collect GW-8-2/22/05	
								shown 3 bucket method	

NFE
D.P.

MWH GROUND WATER PURGING (LOW FLOW) FORM

Well Number: GW-9
Purging Date: 2/22/05

Client: Honeywell - North Hollywood
Site: 11600 Sherman Way, North Hollywood
Job Number: 1890933.0501

Total well depth (ft): 303
Well Diameter (in): 4"
Borehole Diameter (in):

Gauging Date: 2/22/05
Bailer ID:
Sample Date: 2/22/05

Static water level (ft): 274.33
Previous static water level (ft):
Standing water column (ft):

Development method: low flow
Purging method: ↓
Sampling method: tube
YSI 650 MDS

* All measurements taken from: X Top of casing. ___ Protective casing. ___ Ground leve

TIME	AMOUNT PURGED (gal)	EC (mS/cm)	pH	TEMP (C)	TURBIDITY (NTU)	ORP (mV)	DO (mg/L)	COLOR/COMMENTS	WATER LEVEL (ft bgs)
1330								start pumping	
1340	10	1774	7.27	19.27	2	122.6	5.22		
1345	15	1768	7.27	14.82	2	120.7	5.71		
1350	20	1768	7.27	19.88	1	120.4	5.66		
1355	25	1768	7.27	19.89	1	122.0	5.12		
1400	30	1776	7.27	19.80	2	124.0	5.57	DTW = 274.33	
1410								→ collect GW-9-2/22/05	
								decon 3 bucket method	

NFE
D.P.

3/28/06 104(e)
0600

MWH GROUND WATER PURGING (LOW FLOW) FORM

Well Number: GW-10
Purging Date: 2/24/05

Client: Honeywell - North Hollywood
Site: 11600 Sherman Way, North Hollywood
Job Number: 1890933.0501

Total well depth (ft): 310
Well Diameter (in): 4"
Borehole Diameter (in):

Gauging Date: 2/22/05
Bailer ID:
Sample Date: 2/24/05

Static water level (ft): 271.31
Previous static water level (ft):
Standing water column (ft):

Development method: low flow
Purging method: ↓
Sampling method: tube

* All measurements taken from: ☒ Top of casing, ___ Protective casing, ___ Ground level

YSI 650 MDS

TIME	GALLONS PURGED (gal)	EC (mS/cm)	pH	TEMP (°C)	TURBIDITY (NTU)	ORP (mV)	DO (mg/L)	COLOR/COMMENTS	WATER LEVEL (ft bgs)
2340									
2350	10 gal	1675	7.40	19.99		124.7	1.58	start pumping	
2355	15 gal	1676	7.40	19.99		124.8	1.58		
2400	20 gal	1674	7.42	20.07		125.9	1.49		
~~2405~~ 0010	25 gal	1672	7.41	20.09		126.3	1.49	DTW = 271.52	
~~2410~~								→ collect GW-10-2/24/05	
								down 3 bucket method	

NFE
O.P.

3/28/06 104(e)
0601

MWH GROUND WATER PURGING (LOW FLOW) FORM

Well Number: GW-14A
Purging Date: 2/23/05

Client: Honeywell - North Hollywood
Site: 11600 Sherman Way, North Hollywood
Job Number: 1890933.0501

Total well depth (ft): 285
Well Diameter (in): 4"
Borehole Diameter (in):

Gauging Date: 2/22/05
Bailer ID:
Sample Date: 2/23/05

Static water level (ft): 273.41
Previous static water level (ft):
Standing water column (ft):

Development method: low flow
Purging method:
Sampling method: tube
YSI 650 MDS

* All measurements taken from: X Top of casing. ___ Protective casing. ___ Ground leve

TIME	AMOUNT PURGED (gal)	SpC (mS/cm)	pH	TEMP (C)	TURBIDITY (NTU)	ORP (mV)	DO (mg/L)	COLOR/COMMENTS	WATER LEVEL (ft bgs)
1125								start pumping	
1135	10 gal	1883	7.37	19.54	4	130.9	11.18		
1140	15 gal	1878	7.36	19.[illegible]	3	133.0	11.07		
1145	20 gal	1873	7.37	19.57	3	133.0	11.07		
1150	25 gal	1867	7.37	19.60	2	134.0	11.20	DTW = 273.41	
1155								→ collect GW-14A-2/23/05	
								decon 3 bucket method	
						NFE			
						R.D			

3/28/06 104(e)
0602

MWH GROUND WATER PURGING (LOW FLOW) FORM

Well Number: GW-14A (Protocol C)
Purging Date: 2/23/05

Client: Honeywell - North Hollywood
Site: 11600 Sherman Way, North Hollywood
Job Number: 1890933.0501

Total well depth (ft): 285
Well Diameter (in): 4"
Borehole Diameter (in):

Gauging Date: 2/22/05
Bailer ID:
Sample Date: 2/23/05

Static water level (ft): 273.41
Previous static water level (ft):
Standing water column (ft):

Development method: low flow
Purging method: ↓
Sampling method: tube

* All measurements taken from X Top of casing, ___ Protective casing, ___ Ground leve

TIME	AMOUNT PURGED (gal)	EC (mS/cm)	pH	TEMP (C)	TURBIDITY (NTU)	ORP (mV)	DO (mg/L)	COLOR/COMMENT	WATER LEVEL (ft bgs)
1225								start pumping	
1240	15 gal	1875	7.37	19.77	2	133.1	10.98		
1245	20 gal	1878	7.37	19.96	1	133.1	10.90		
1250	25 gal	1876	7.37	19.97	1	133.0	10.90	DTW = 273.50	
1255								collect GW14A-PC-2/23/05	
								down 3 bucket method	
						NFE			
						S.P.			

PASI-IFO/Admin/Standard MW Forms/GW Gauging and Sampling Log

3/28/06 104(e)
0603

MWH

GROUND WATER PURGING (LOW FLOW) FORM

Well Number: GW-14A (Protocol D)
Purging Date: 2/23/05

Client: Honeywell - North Hollywood
Site: 11600 Sherman Way, North Hollywood
Job Number: 1890933.0501

Total well depth (ft): 285
Well Diameter (in): 4"
Borehole Diameter (in):

Gauging Date: 2/22/05
Bailer ID:
Sample Date: 2/23/05

Static water level (ft): 273.41
Previous static water level (ft):
Standing water column (ft):

3CVs = 22.6 gal

Development method: 3 well vols
Purging method: 3CVs
Sampling method: bailer
YSI 650 MDS

* All measurements taken from: X Top of casing, ___ Protective casing, ___ Ground leve

TIME	AMOUNT PURGED (gal)	EC (mS/cm)	pH	TEMP (C)	TURBIDITY (NTU)	ORP (mV)	DO (mg/L)	COLOR/COMMENTS	WATER LEVEL (ft bgs)
1310								start pumping	
1320	10 gal	1887	7.40	21.25	1	132.8	10.21		
1325	15 gal	1885	7.38	20.69	1	133.3	10.57		
1330	20 gal	1885	7.38	20.67	2	133.5	11.30		
1335	25 gal	1881	7.39	21.44	2	134.3	11.33	DTW = 273.36	
~~collect~~ 1345								collect GW-14A-PD-2/23/05	
								decon 3 bucket method	

NPE
J.P.

PAS1-IFO/Admin/Standard MW Forms/GW Gauging and Sampling Log

3/28/06 104(e)
0604

MWH GROUND WATER PURGING (LOW FLOW) FORM

Well Number: GW-14B
Purging Date: 2/24/05

Client: Honeywell - North Hollywood
Site: 11600 Sherman Way, North Hollywood
Job Number: 1890933.0501

Total well depth (ft): 312
Well Diameter (in): 6"
Borehole Diameter (in):

Gauging Date: 2/22/05
Bailer ID:
Sample Date: 2/24/05

Static water level (ft): 272.70
Previous static water level (ft):
Standing water column (ft):

1.47 x 39.3 = 57.7
3 CVs = x3 = 173

Development method: low flow
Purging method: ↓
Sampling method: tube
YSI 650 MDS

* All measurements taken from: X Top of casing, ___ Protective casing, ___ Ground level

TIME	AMOUNT PURGED (gal)	EC (µmhos/cm)	pH	TEMP. (°C)	TURBIDITY (NTU)	ORP (mV)	DO (mg/L)	COLOR/COMMENTS	WATER LEVEL (ft bgs)
1728								start pumping	
1740	12	1837	7.10	20.14	5.8	121.8	7.38		
1745	17	1836	7.30	20.11	1	121.9	6.60		
1750	22	1833	7.31	20.32	1	121.5	7.18		
1755	27	1872	7.31	20.32	0	121.4	7.40		
1800	32	1885	7.31	20.34	0	120.8	7.06	DTW = 272.85	
1810								→ collect GW-14B-02/24/05	
								decon 3 bucket method	

NFE

PAS1-IFO/Admin/Standard MW Forms/GW Gauging and Sampling Log

3/28/06 104(e)
0605

MWH GROUND WATER PURGING (LOW FLOW) FORM

Well Number: GW-14B (Protocol C)
Purging Date: 2/24/05

Client: Honeywell - North Hollywood
Site: 11600 Sherman Way, North Hollywood
Job Number: 1890933.0501

Total well depth (ft): 312
Well Diameter (in): 6"
Borehole Diameter (in):

Gauging Date: 2/22/05
Bailer ID:
Sample Date: 2/24/05

Static water level (ft): 272.70
Previous static water level (ft):
Standing water column (ft):

Development method: low flow
Purging method: ↓
Sampling method: tube
YSI 650 MDS

* All measurements taken from: X Top of casing. ___ Protective casing. ___ Ground level

TIME	AMOUNT PURGED (gal)	EC (mS/cm)	pH	TEMP (C)	TURBIDITY (NTU)	ORP (mV)	DO (mg/l)	COLOR/COMMENTS	WATER LEVEL (ft bgs)
1835								start pumping	
1845	10 gal	1881	7.19	19.94	2	134.7	7.53		
1850	15 gal	1888	7.33	20.25	1	122.1	7.38		
1855	20 gal	1892	7.34	20.27	1	120.1	7.20		
1900	25 gal	1890	7.34	20.34	1	120.0	6.73	DTW = 272.98	
1905								collect GW-14B	
								decon 3 bucket method	
						NFE			

PAS1-IFO/Admin/Standard MW Forms/GW Gauging and Sampling Log

3/28/06 104(e)
0606

MWH GROUND WATER PURGING (LOW FLOW) FORM

Well Number: GW-14B (Protocol D)
Purging Date: 2/24/05

Client: Honeywell - North Hollywood
Site: 11600 Sherman Way, North Hollywood
Job Number: 1890933.0501

Total well depth (ft): 312
Well Diameter (in): 6"
Borehole Diameter (in):

Gauging Date: 2/22/05
Bailer ID:
Sample Date: 2/24/05

Static water level (ft): 272.70
Previous static water level (ft):
Standing water column (ft):

3 CVs : 1.47 x 39.3 = 57.7
57.7 x 3 = 173

Development method: 3 well volr ~~low flow~~
Purging method: 3 CVr ↓
Sampling method: tube

* All measurements taken from: X Top of casing. ___ Protective casing. ___ Ground leve

YSI 650 MDS

TIME (hr)	AMOUNT PURGED (gal)	EC (uS/cm)	pH (pH)	TEMP (C)	TURBIDITY (NTU)	ORP (mV)	DO (mg/L)	COLOR/COMMENTS	WATER LEVEL (ft bgs)
1935									
1945	15 gal	1899	7.34	19.46	1	123.2	7.79	increase flow rate to	
2000	45 gal	1889	7.37	19.49	1	117.1	7.26	2.0 gpm	
2020	105 gal	1892	7.35	19.49	1	118.8	7.31	increase flow to 3.0 gpm	
2040	165 gal	1892	7.35	19.49	1	118.8	7.31		
2045 ~~2050~~	180 gal	~~1730~~ 1819	7.35	19.36	1	121.0	7.29	DTW = 272.85	
2050								→ collect GW-14B-PD-2/24/05	
								decon 3 bucket method	

MFE
G.P.

PAS1-IFO/Admin/Standard MW Forms/GW Gauging and Sampling Log

3/28/06 104(e)
0607

MWH

GROUND WATER PURGING (LOW FLOW) FORM

Well Number: GW-15
Purging Date: 2/25/05

Client: Honeywell - North Hollywood
Site: 11600 Sherman Way, North Hollywood
Job Number: 1890933.0501

Total well depth (ft): ~330
Well Diameter (in): 6"
Borehole Diameter (in):

Gauging Date: 2/22/05
Bailer ID:
Sample Date: 2/25/05

Static water level (ft): 270.33
Previous static water level (ft):
Standing water column (ft):

Development method: low flow
Purging method: ↓
Sampling method: tube
YSI 650 MDS

* All measurements taken from: X Top of casing, ___ Protective casing, ___ Ground leve

TIME	AMOUNT PURGED (gal)	EC (mS/cm)	pH	TEMP (C)	TURBIDITY (NTU)	ORP (mV)	DO (mg/L)	COLOR/COMMENTS	WATER LEVEL (ft bgs)
0055									
0105	10 gal	1814	7.49	21.15	5	126.1	9.42	start pumping	
0110	15 gal	1814	7.49	21.15	7	126.1	9.42		
0115	20 gal	1806	7.53	23.33	6	136.8	9.08		
0120	25 gal	1803	7.53	23.64	5	137.4	8.76		
0125	30 gal	1810	7.52	23.66	4	138.0	8.80		
0130								DTW = 220.55	
								→ collect GW-15-2/25/05	
								decon 3 bucket method	

NFC
[illegible]

PAS1-IFO/Admin/Standard MW Forms/GW Gauging and Sampling Log

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0608

APPENDIX E

PURGING AND SAMPLING EVALUATION

TABLE E-1

PURGING PROTOCOLS SUMMARY OF INORGANIC ANALYTICAL DATA
FIRST QUARTER 2005
Honeywell North Hollywood Site
11600 Sherman Way, North Hollywood, California

Well ID	Purging Protocol	Sample Date	(mg/L)																	
			Antimony	Arsenic	Barium	Beryllium	Cadmium	Total Chromium	Chromium VI	Cobalt	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
GW-14A	A	11/09/04	<0.01	<0.005	0.089	<0.004	<0.005	1.7	1.8	<0.01	<0.01	<0.005	<0.0002	<0.02	<0.01	<0.005	<0.01	<0.01	<0.01	<0.02
		02/23/05	<0.01	<0.005	0.38	<0.004	<0.005	0.43	0.39	<0.01	<0.01	<0.005	<0.0002	<0.02	<0.01	<0.005	<0.01	<0.001	<0.01	0.15
	B	11/09/04	<0.01	<0.005	0.11	<0.004	<0.005	0.22	0.21	<0.01	<0.01	<0.005	<0.0002	<0.02	<0.01	<0.005	<0.01	<0.01	<0.01	<0.02
		02/23/05	<0.01	<0.005	0.36	<0.004	<0.005	0.82	0.72	<0.01	<0.01	<0.005	<0.0002	<0.02	<0.01	<0.005	<0.01	<0.001	<0.01	0.058
	C	11/09/04	<0.01	<0.005	0.11	<0.004	<0.005	0.17	0.18	<0.01	<0.01	<0.005	<0.0002	<0.02	<0.01	<0.005	<0.01	<0.01	<0.01	<0.02
		02/23/05	<0.01	<0.005	0.39	<0.004	<0.005	1.1	1.1	<0.01	<0.01	<0.005	<0.0002	<0.02	<0.01	<0.005	<0.01	<0.001	<0.01	0.086
	D	11/09/04	<0.01	<0.005	0.092	<0.004	<0.005	1.5	1.6	<0.01	<0.01	<0.005	<0.0002	<0.02	<0.01	<0.005	<0.01	<0.01	<0.01	<0.02
		02/23/05	<0.01	<0.005	0.39	<0.004	<0.005	1.1	3.4 J	<0.01	<0.01	<0.005	<0.0002	<0.02	<0.01	<0.005	<0.01	<0.001	<0.01	0.086
GW-14B	A	11/09/04	<0.01	<0.005	0.13	<0.004	<0.005	0.3	0.35	<0.01	<0.01	<0.005	<0.0002	<0.02	<0.01	<0.005	<0.01	<0.01	<0.01	<0.02
		02/23/05	<0.01	<0.005	0.61	<0.004	<0.005	0.046	0.048	<0.01	<0.01	<0.005	<0.0002	<0.02	<0.01	<0.005	<0.01	<0.001	<0.01	0.13
	B	11/09/04	<0.01	<0.005	0.13	<0.004	<0.005	0.3	0.28	<0.01	<0.01	<0.005	<0.0002	<0.02	<0.01	<0.005	<0.01	<0.01	<0.01	<0.02
		02/24/05	<0.01	<0.005	0.48	<0.004	<0.005	0.05	0.045	<0.01	<0.01	<0.005	<0.0002	<0.02	<0.01	<0.005	<0.01	<0.001	<0.01	0.12
	C	11/09/04	<0.01	<0.005	0.13	<0.004	<0.005	0.29	0.36	<0.01	<0.01	<0.005	<0.0002	<0.02	<0.01	<0.005	<0.01	<0.01	<0.01	<0.02
		02/24/05	<0.01	<0.005	0.49	<0.004	<0.005	0.052	0.045	<0.01	<0.01	<0.005	<0.0002	<0.02	<0.01	<0.005	<0.01	<0.001	<0.01	0.093
	D	11/09/04	<0.01	<0.005	0.13	<0.004	<0.005	0.3	0.39	<0.01	<0.01	<0.005	<0.0002	<0.02	<0.01	<0.005	<0.01	<0.01	<0.01	<0.02
		02/24/05	<0.01	<0.005	0.6	<0.004	<0.005	0.049	0.045	<0.01	<0.01	<0.005	<0.0002	<0.02	<0.01	<0.005	<0.01	<0.001	<0.01	0.13

Notes:

Samples were analyzed using EPA Method 6010B, except for chromium^{VI} (EPA Method 7199), mercury (EPA Method 7470A), and thallium (EPA Method 6020)
EPA - U.S. Environmental Protection Agency
J - Estimated
mg/L - Milligrams per liter
< - Less than listed reporting limit

Protocol A - No purge sample using a bailer from the top of the water column.
Protocol B - Purge 3-5 feet below top of water and sample through tube after stable parameters using modified low flow.
Protocol C - Purge 5 feet above bottom of casing and sample through tube after stable parameters using modified low flow.
Protocol D - Purge starting in the middle of screen, move pump up every so often until 3-5 feet below top of water. Sample after stable parameters and 3 casing volumes using modified low flow. Sample using a disposable bailer.

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0611

TABLE E-2

PURGING PROTOCOLS SUMMARY OF ORGANIC ANALYTICAL DATA
FIRST QUARTER 2005
Honeywell North Hollywood Site
11600 Sherman Way, North Hollywood, California

Well ID	Purging Protocol	Sample Date	µg/L									
			1,1,1-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2-Dichloroethane	Carbon Tetrachloride	Chloroform	cis-1,2-Dichloroethene	Dichlorodifluoromethane	Tetrachloroethene	Trichloroethene
GW-14A	A	11/09/04	1.7	2.3	3	<0.5	<0.5	1.2	6.8	<2	3.3	54
		02/23/05	<1	3.9	1.1	1.5	<0.5	<1	31	5.8	17	24
	B	11/09/04	<1	2.1	1.8	0.5	<0.5	<1	11	<2	8.3	29
		02/23/05	<1	3.9	<1	1.6	<0.5	<1	31	7	16	14
	C	11/09/04	<1	2.1	1.6	0.5	<0.5	<1	10	2	7.4	26
		02/23/05	<1	4	<1	1.6	<0.5	<1	31	6.3	16	14
	D	11/09/04	1.7	2.3	3	0.51	0.56	1.2	7.7	<2	4.9	47
		02/23/05	<1	3.5	1.1	1.3	<0.5	<1	25	3.8	14	24
GW-14B	A	11/09/04	<1	3.9	<1	1.3	<0.5	<1	30	6.4	17	15
		02/23/05	<1	4	<1	1.6	<0.5	<1	33	14	18	8.7
	B	11/09/04	<1	3.6	<1	1.3	<0.5	<1	28	7	15	15
		02/24/05	<1	4.3	<1	1.7	<0.5	<1	37	16	16	9.5
	C	11/09/04	<1	4.2	<1	1.4	<0.5	<1	33	7.2	15	15
		02/24/05	<1	4.8	<1	1.9	<0.5	<1	40	18	18	10
	D	11/09/04	<1	3.2	<1	1.1	<0.5	<1	25	4.6	14	13
		02/24/05	<1	4.5	<1	1.8	<0.5	<1	37	16	19	9.7

Notes:
Samples were analyzed using EPA Method 8260
Only detected analytes are shown.
EPA - U.S. Environmental Protection Agency
µg/L - Micrograms per liter
< - Less than listed reporting limit

Protocol A - No purge sample using a bailer from the top of the water column.
Protocol B - Purge 3-5 feet below top of water and sample through tube after stable parameters using modified low flow.
Protocol C - Purge 5 feet above bottom of casing and sample through tube after stable parameters using modified low flow.
Protocol D - Purge starting in the middle of screen, move pump up every so often until 3-5 feet below top of water. Sample after stable parameters and 3 casing volumes using modified low flow. Sample using a disposable bailer.

APPENDIX F

LABORATORY ANALYTICAL REPORTS

Del Mar Analytical

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2520 E. Sunset Rd. #3, Las Vegas, NV 89120 (702) 798-3620 FAX (702) 798-3621

LABORATORY REPORT

Prepared For: MWH Americas - Brea
3050 Saturn St., Suite 205
Brea, CA 92821
Attention: Lisa Hall

Project: Honeywell, North Hollywood

Sampled: 02/22/05
Received: 02/23/05
Issued: 03/08/05 16:48

NELAP #01108CA California ELAP#1197 CSDLAC #10117

The results listed within this Laboratory Report pertain only to the samples tested in the laboratory. The analyses contained in this report were performed in accordance with the applicable certifications as noted. All soil samples are reported on a wet weight basis unless otherwise noted in the report. This Laboratory Report is confidential and is intended for the sole use of Del Mar Analytical and its client. This report shall not be reproduced, except in full, without written permission from Del Mar Analytical. The Chain of Custody, 1 page, is included and is an integral part of this report.

This entire report was reviewed and approved for release.

SAMPLE CROSS REFERENCE

LABORATORY ID	CLIENT ID	MATRIX
IOB1727-01	GW-6-2/22-05	Water
IOB1727-02	GW-2-2/22-05	Water
IOB1727-03	GW-9-2/22-05	Water
IOB1727-04	EB-01-2/22-05	Water
IOB1727-05	GW-8-2/22-05	Water
IOB1727-06	TB	Water
IOB1727-07	GW-6-2/22-05-F	Water
IOB1727-08	GW-2-2/22-05-F	Water
IOB1727-09	GW-9-2/22-05-F	Water
IOB1727-10	GW-8-2/22-05-F	Water

Reviewed By:

C. Roberts

Del Mar Analytical, Irvine
Chris Roberts
Project Manager

Del Mar Analytical

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2520 E. Sunset Rd. #3, Las Vegas, NV 89120 (702) 798-3620 FAX (702) 798-3621

MWH Americas - Brea
3050 Saturn St., Suite 205
Brea, CA 92821
Attention: Lisa Hall

Project ID: Honeywell, North Hollywood

Report Number: IOB1727

Sampled: 02/22/05
Received: 02/23/05

VOLATILE ORGANICS with MTBE by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IOB1727-01 (GW-6-2/22-05 - Water)								
Reporting Units: ug/l								
Benzene	EPA 8260B	5C03016	0.50	ND	1	3/3/2005	3/3/2005	
Bromobenzene	EPA 8260B	5C03016	1.0	ND	1	3/3/2005	3/3/2005	
Bromochloromethane	EPA 8260B	5C03016	1.0	ND	1	3/3/2005	3/3/2005	
Bromodichloromethane	EPA 8260B	5C03016	1.0	ND	1	3/3/2005	3/3/2005	
Bromoform	EPA 8260B	5C03016	1.0	ND	1	3/3/2005	3/3/2005	R
Bromomethane	EPA 8260B	5C03016	1.0	ND	1	3/3/2005	3/3/2005	
n-Butylbenzene	EPA 8260B	5C03016	1.0	ND	1	3/3/2005	3/3/2005	
sec-Butylbenzene	EPA 8260B	5C03016	1.0	ND	1	3/3/2005	3/3/2005	
tert-Butylbenzene	EPA 8260B	5C03016	1.0	ND	1	3/3/2005	3/3/2005	
Carbon tetrachloride	EPA 8260B	5C03016	0.50	ND	1	3/3/2005	3/3/2005	
Chlorobenzene	EPA 8260B	5C03016	1.0	ND	1	3/3/2005	3/3/2005	
Chloroethane	EPA 8260B	5C03016	1.0	ND	1	3/3/2005	3/3/2005	
Chloroform	EPA 8260B	5C03016	1.0	ND	1	3/3/2005	3/3/2005	
Chloromethane	EPA 8260B	5C03016	1.0	ND	1	3/3/2005	3/3/2005	
2-Chlorotoluene	EPA 8260B	5C03016	1.0	ND	1	3/3/2005	3/3/2005	
4-Chlorotoluene	EPA 8260B	5C03016	1.0	ND	1	3/3/2005	3/3/2005	
Dibromochloromethane	EPA 8260B	5C03016	1.0	ND	1	3/3/2005	3/3/2005	
1,2-Dibromo-3-chloropropane	EPA 8260B	5C03016	5.0	ND	1	3/3/2005	3/3/2005	R
1,2-Dibromoethane (EDB)	EPA 8260B	5C03016	1.0	ND	1	3/3/2005	3/3/2005	
Dibromomethane	EPA 8260B	5C03016	1.0	ND	1	3/3/2005	3/3/2005	
1,2-Dichlorobenzene	EPA 8260B	5C03016	1.0	ND	1	3/3/2005	3/3/2005	
1,3-Dichlorobenzene	EPA 8260B	5C03016	1.0	ND	1	3/3/2005	3/3/2005	
1,4-Dichlorobenzene	EPA 8260B	5C03016	1.0	ND	1	3/3/2005	3/3/2005	
Dichlorodifluoromethane	EPA 8260B	5C03016	2.0	**14**	1	3/3/2005	3/3/2005	
1,1-Dichloroethane	EPA 8260B	5C03016	1.0	**4.8**	1	3/3/2005	3/3/2005	
1,2-Dichloroethane	EPA 8260B	5C03016	0.50	**1.3**	1	3/3/2005	3/3/2005	
1,1-Dichloroethene	EPA 8260B	5C03016	1.0	ND	1	3/3/2005	3/3/2005	
cis-1,2-Dichloroethene	EPA 8260B	5C03016	1.0	**28**	1	3/3/2005	3/3/2005	
trans-1,2-Dichloroethene	EPA 8260B	5C03016	1.0	ND	1	3/3/2005	3/3/2005	
1,2-Dichloropropane	EPA 8260B	5C03016	1.0	ND	1	3/3/2005	3/3/2005	
1,3-Dichloropropane	EPA 8260B	5C03016	1.0	ND	1	3/3/2005	3/3/2005	
2,2-Dichloropropane	EPA 8260B	5C03016	1.0	ND	1	3/3/2005	3/3/2005	
1,1-Dichloropropene	EPA 8260B	5C03016	1.0	ND	1	3/3/2005	3/3/2005	
cis-1,3-Dichloropropene	EPA 8260B	5C03016	0.50	ND	1	3/3/2005	3/3/2005	
trans-1,3-Dichloropropene	EPA 8260B	5C03016	0.50	ND	1	3/3/2005	3/3/2005	
Ethylbenzene	EPA 8260B	5C03016	0.50	ND	1	3/3/2005	3/3/2005	
Hexachlorobutadiene	EPA 8260B	5C03016	1.0	ND	1	3/3/2005	3/3/2005	
Isopropylbenzene	EPA 8260B	5C03016	1.0	ND	1	3/3/2005	3/3/2005	
p-Isopropyltoluene	EPA 8260B	5C03016	1.0	ND	1	3/3/2005	3/3/2005	
Methylene chloride	EPA 8260B	5C03016	5.0	ND	1	3/3/2005	3/3/2005	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	5C03016	1.0	ND	1	3/3/2005	3/3/2005	

Del Mar Analytical, Irvine
Chris Roberts
Project Manager

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2520 E. Sunset Rd. #3, Las Vegas, NV 89120 (702) 798-3620 FAX (702) 798-3621

MWH Americas - Brea
3050 Saturn St., Suite 205
Brea, CA 92821
Attention: Lisa Hall

Project ID: Honeywell, North Hollywood

Report Number: IOB1727

Sampled: 02/22/05
Received: 02/23/05

VOLATILE ORGANICS with MTBE by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IOB1727-01 (GW-6-2/22-05 - Water) - cont.								
Reporting Units: ug/l								
Naphthalene	EPA 8260B	5C03016	1.0	ND	1	3/3/2005	3/3/2005	R
n-Propylbenzene	EPA 8260B	5C03016	1.0	ND	1	3/3/2005	3/3/2005	
Styrene	EPA 8260B	5C03016	1.0	ND	1	3/3/2005	3/3/2005	
1,1,1,2-Tetrachloroethane	EPA 8260B	5C03016	1.0	ND	1	3/3/2005	3/3/2005	
1,1,2,2-Tetrachloroethane	EPA 8260B	5C03016	1.0	ND	1	3/3/2005	3/3/2005	
Tetrachloroethene	EPA 8260B	5C03016	1.0	**17**	1	3/3/2005	3/3/2005	R
Toluene	EPA 8260B	5C03016	0.50	ND	1	3/3/2005	3/3/2005	
1,2,3-Trichlorobenzene	EPA 8260B	5C03016	1.0	ND	1	3/3/2005	3/3/2005	
1,2,4-Trichlorobenzene	EPA 8260B	5C03016	1.0	ND	1	3/3/2005	3/3/2005	
1,1,1-Trichloroethane	EPA 8260B	5C03016	1.0	ND	1	3/3/2005	3/3/2005	
1,1,2-Trichloroethane	EPA 8260B	5C03016	1.0	ND	1	3/3/2005	3/3/2005	
Trichloroethene	EPA 8260B	5C03016	1.0	**11**	1	3/3/2005	3/3/2005	
Trichlorofluoromethane	EPA 8260B	5C03016	1.0	ND	1	3/3/2005	3/3/2005	
1,2,3-Trichloropropane	EPA 8260B	5C03016	1.0	ND	1	3/3/2005	3/3/2005	
1,2,4-Trimethylbenzene	EPA 8260B	5C03016	1.0	ND	1	3/3/2005	3/3/2005	R
1,3,5-Trimethylbenzene	EPA 8260B	5C03016	1.0	ND	1	3/3/2005	3/3/2005	
Vinyl chloride	EPA 8260B	5C03016	1.0	ND	1	3/3/2005	3/3/2005	
o-Xylene	EPA 8260B	5C03016	0.50	ND	1	3/3/2005	3/3/2005	
m,p-Xylenes	EPA 8260B	5C03016	0.50	ND	1	3/3/2005	3/3/2005	
Surrogate: Dibromofluoromethane (80-120%)				*110 %*				
Surrogate: Toluene-d8 (80-120%)				*105 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*108 %*				

Del Mar Analytical, Irvine
Chris Roberts
Project Manager

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MWH Americas - Brea
3050 Saturn St., Suite 205
Brea, CA 92821
Attention: Lisa Hall

Project ID: Honeywell, North Hollywood

Report Number: IOB1727

Sampled: 02/22/05
Received: 02/23/05

VOLATILE ORGANICS with MTBE by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IOB1727-02 (GW-2-2/22-05 - Water)								
Reporting Units: ug/l								
Benzene	EPA 8260B	5C03016	0.50	ND	1	3/3/2005	3/3/2005	
Bromobenzene	EPA 8260B	5C03016	1.0	ND	1	3/3/2005	3/3/2005	
Bromochloromethane	EPA 8260B	5C03016	1.0	ND	1	3/3/2005	3/3/2005	
Bromodichloromethane	EPA 8260B	5C03016	1.0	ND	1	3/3/2005	3/3/2005	
Bromoform	EPA 8260B	5C03016	1.0	ND	1	3/3/2005	3/3/2005	
Bromomethane	EPA 8260B	5C03016	1.0	ND	1	3/3/2005	3/3/2005	
n-Butylbenzene	EPA 8260B	5C03016	1.0	ND	1	3/3/2005	3/3/2005	
sec-Butylbenzene	EPA 8260B	5C03016	1.0	ND	1	3/3/2005	3/3/2005	
tert-Butylbenzene	EPA 8260B	5C03016	1.0	ND	1	3/3/2005	3/3/2005	
Carbon tetrachloride	EPA 8260B	5C03016	0.50	ND	1	3/3/2005	3/3/2005	
Chlorobenzene	EPA 8260B	5C03016	1.0	ND	1	3/3/2005	3/3/2005	
Chloroethane	EPA 8260B	5C03016	1.0	ND	1	3/3/2005	3/3/2005	
Chloroform	EPA 8260B	5C03016	1.0	ND	1	3/3/2005	3/3/2005	
Chloromethane	EPA 8260B	5C03016	1.0	ND	1	3/3/2005	3/3/2005	
2-Chlorotoluene	EPA 8260B	5C03016	1.0	ND	1	3/3/2005	3/3/2005	
4-Chlorotoluene	EPA 8260B	5C03016	1.0	ND	1	3/3/2005	3/3/2005	
Dibromochloromethane	EPA 8260B	5C03016	1.0	ND	1	3/3/2005	3/3/2005	
1,2-Dibromo-3-chloropropane	EPA 8260B	5C03016	5.0	ND	1	3/3/2005	3/3/2005	
1,2-Dibromoethane (EDB)	EPA 8260B	5C03016	1.0	ND	1	3/3/2005	3/3/2005	
Dibromomethane	EPA 8260B	5C03016	1.0	ND	1	3/3/2005	3/3/2005	
1,2-Dichlorobenzene	EPA 8260B	5C03016	1.0	ND	1	3/3/2005	3/3/2005	
1,3-Dichlorobenzene	EPA 8260B	5C03016	1.0	ND	1	3/3/2005	3/3/2005	
1,4-Dichlorobenzene	EPA 8260B	5C03016	1.0	ND	1	3/3/2005	3/3/2005	
Dichlorodifluoromethane	EPA 8260B	5C03016	2.0	**15**	1	3/3/2005	3/3/2005	
1,1-Dichloroethane	EPA 8260B	5C03016	1.0	**3.5**	1	3/3/2005	3/3/2005	
1,2-Dichloroethane	EPA 8260B	5C03016	0.50	**1.9**	1	3/3/2005	3/3/2005	
1,1-Dichloroethene	EPA 8260B	5C03016	1.0	ND	1	3/3/2005	3/3/2005	
cis-1,2-Dichloroethene	EPA 8260B	5C03016	1.0	**29**	1	3/3/2005	3/3/2005	
trans-1,2-Dichloroethene	EPA 8260B	5C03016	1.0	ND	1	3/3/2005	3/3/2005	
1,2-Dichloropropane	EPA 8260B	5C03016	1.0	ND	1	3/3/2005	3/3/2005	
1,3-Dichloropropane	EPA 8260B	5C03016	1.0	ND	1	3/3/2005	3/3/2005	
2,2-Dichloropropane	EPA 8260B	5C03016	1.0	ND	1	3/3/2005	3/3/2005	
1,1-Dichloropropene	EPA 8260B	5C03016	1.0	ND	1	3/3/2005	3/3/2005	
cis-1,3-Dichloropropene	EPA 8260B	5C03016	0.50	ND	1	3/3/2005	3/3/2005	
trans-1,3-Dichloropropene	EPA 8260B	5C03016	0.50	ND	1	3/3/2005	3/3/2005	
Ethylbenzene	EPA 8260B	5C03016	0.50	ND	1	3/3/2005	3/3/2005	
Hexachlorobutadiene	EPA 8260B	5C03016	1.0	ND	1	3/3/2005	3/3/2005	
Isopropylbenzene	EPA 8260B	5C03016	1.0	ND	1	3/3/2005	3/3/2005	
p-Isopropyltoluene	EPA 8260B	5C03016	1.0	ND	1	3/3/2005	3/3/2005	
Methylene chloride	EPA 8260B	5C03016	5.0	ND	1	3/3/2005	3/3/2005	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	5C03016	1.0	ND	1	3/3/2005	3/3/2005	

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MWH Americas - Brea
3050 Saturn St., Suite 205
Brea, CA 92821
Attention: Lisa Hall

Project ID: Honeywell, North Hollywood

Report Number: IOB1727

Sampled: 02/22/05
Received: 02/23/05

VOLATILE ORGANICS with MTBE by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IOB1727-02 (GW-2-2/22-05 - Water) - cont.								
Reporting Units: ug/l								
Naphthalene	EPA 8260B	5C03016	1.0	ND	1	3/3/2005	3/3/2005	
n-Propylbenzene	EPA 8260B	5C03016	1.0	ND	1	3/3/2005	3/3/2005	
Styrene	EPA 8260B	5C03016	1.0	ND	1	3/3/2005	3/3/2005	
1,1,1,2-Tetrachloroethane	EPA 8260B	5C03016	1.0	ND	1	3/3/2005	3/3/2005	
1,1,2,2-Tetrachloroethane	EPA 8260B	5C03016	1.0	ND	1	3/3/2005	3/3/2005	
Tetrachloroethene	EPA 8260B	5C03016	1.0	ND	1	3/3/2005	3/3/2005	
Toluene	EPA 8260B	5C03016	1.0	15	1	3/3/2005	3/3/2005	
1,2,3-Trichlorobenzene	EPA 8260B	5C03016	0.50	ND	1	3/3/2005	3/3/2005	
1,2,4-Trichlorobenzene	EPA 8260B	5C03016	1.0	ND	1	3/3/2005	3/3/2005	
1,1,1-Trichloroethane	EPA 8260B	5C03016	1.0	ND	1	3/3/2005	3/3/2005	
1,1,2-Trichloroethane	EPA 8260B	5C03016	1.0	ND	1	3/3/2005	3/3/2005	
Trichloroethene	EPA 8260B	5C03016	1.0	ND	1	3/3/2005	3/3/2005	
Trichlorofluoromethane	EPA 8260B	5C03016	1.0	8.6	1	3/3/2005	3/3/2005	
1,2,3-Trichloropropane	EPA 8260B	5C03016	1.0	ND	1	3/3/2005	3/3/2005	
1,2,4-Trimethylbenzene	EPA 8260B	5C03016	1.0	ND	1	3/3/2005	3/3/2005	
1,3,5-Trimethylbenzene	EPA 8260B	5C03016	1.0	ND	1	3/3/2005	3/3/2005	
Vinyl chloride	EPA 8260B	5C03016	1.0	ND	1	3/3/2005	3/3/2005	
o-Xylene	EPA 8260B	5C03016	0.50	ND	1	3/3/2005	3/3/2005	
m,p-Xylenes	EPA 8260B	5C03016	0.50	ND	1	3/3/2005	3/3/2005	
Surrogate: Dibromofluoromethane (80-120%)				*109 %*				
Surrogate: Toluene-d8 (80-120%)				*104 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*104 %*				

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Attention: Lisa Hall

Project ID: Honeywell, North Hollywood

Report Number: IOB1727

Sampled: 02/22/05
Received: 02/23/05

VOLATILE ORGANICS with MTBE by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IOB1727-03 (GW-9-2/22-05 - Water)								
Reporting Units: ug/l								
Benzene	EPA 8260B	5C01024	0.50	ND	1	3/1/2005	3/1/2005	
Bromobenzene	EPA 8260B	5C01024	1.0	ND	1	3/1/2005	3/1/2005	
Bromochloromethane	EPA 8260B	5C01024	1.0	ND	1	3/1/2005	3/1/2005	
Bromodichloromethane	EPA 8260B	5C01024	1.0	ND	1	3/1/2005	3/1/2005	
Bromoform	EPA 8260B	5C01024	1.0	ND	1	3/1/2005	3/1/2005	
Bromomethane	EPA 8260B	5C01024	1.0	ND	1	3/1/2005	3/1/2005	
n-Butylbenzene	EPA 8260B	5C01024	1.0	ND	1	3/1/2005	3/1/2005	
sec-Butylbenzene	EPA 8260B	5C01024	1.0	ND	1	3/1/2005	3/1/2005	
tert-Butylbenzene	EPA 8260B	5C01024	1.0	ND	1	3/1/2005	3/1/2005	
Carbon tetrachloride	EPA 8260B	5C01024	0.50	ND	1	3/1/2005	3/1/2005	
Chlorobenzene	EPA 8260B	5C01024	1.0	ND	1	3/1/2005	3/1/2005	
Chloroethane	EPA 8260B	5C01024	1.0	ND	1	3/1/2005	3/1/2005	
Chloroform	EPA 8260B	5C01024	1.0	ND	1	3/1/2005	3/1/2005	
Chloromethane	EPA 8260B	5C01024	1.0	ND	1	3/1/2005	3/1/2005	
2-Chlorotoluene	EPA 8260B	5C01024	1.0	ND	1	3/1/2005	3/1/2005	
4-Chlorotoluene	EPA 8260B	5C01024	1.0	ND	1	3/1/2005	3/1/2005	
Dibromochloromethane	EPA 8260B	5C01024	1.0	ND	1	3/1/2005	3/1/2005	
1,2-Dibromo-3-chloropropane	EPA 8260B	5C01024	5.0	ND	1	3/1/2005	3/1/2005	
1,2-Dibromoethane (EDB)	EPA 8260B	5C01024	1.0	ND	1	3/1/2005	3/1/2005	
Dibromomethane	EPA 8260B	5C01024	1.0	ND	1	3/1/2005	3/1/2005	
1,2-Dichlorobenzene	EPA 8260B	5C01024	1.0	ND	1	3/1/2005	3/1/2005	
1,3-Dichlorobenzene	EPA 8260B	5C01024	1.0	ND	1	3/1/2005	3/1/2005	
1,4-Dichlorobenzene	EPA 8260B	5C01024	1.0	ND	1	3/1/2005	3/1/2005	
Dichlorodifluoromethane	EPA 8260B	5C01024	2.0	**4.6**	1	3/1/2005	3/1/2005	
1,1-Dichloroethane	EPA 8260B	5C01024	1.0	**1.9**	1	3/1/2005	3/1/2005	
1,2-Dichloroethane	EPA 8260B	5C01024	0.50	**0.64**	1	3/1/2005	3/1/2005	
1,1-Dichloroethene	EPA 8260B	5C01024	1.0	ND	1	3/1/2005	3/1/2005	
cis-1,2-Dichloroethene	EPA 8260B	5C01024	1.0	**14**	1	3/1/2005	3/1/2005	
trans-1,2-Dichloroethene	EPA 8260B	5C01024	1.0	ND	1	3/1/2005	3/1/2005	
1,2-Dichloropropane	EPA 8260B	5C01024	1.0	ND	1	3/1/2005	3/1/2005	
1,3-Dichloropropane	EPA 8260B	5C01024	1.0	ND	1	3/1/2005	3/1/2005	
2,2-Dichloropropane	EPA 8260B	5C01024	1.0	ND	1	3/1/2005	3/1/2005	
1,1-Dichloropropene	EPA 8260B	5C01024	1.0	ND	1	3/1/2005	3/1/2005	
cis-1,3-Dichloropropene	EPA 8260B	5C01024	0.50	ND	1	3/1/2005	3/1/2005	
trans-1,3-Dichloropropene	EPA 8260B	5C01024	0.50	ND	1	3/1/2005	3/1/2005	
Ethylbenzene	EPA 8260B	5C01024	0.50	ND	1	3/1/2005	3/1/2005	
Hexachlorobutadiene	EPA 8260B	5C01024	1.0	ND	1	3/1/2005	3/1/2005	
Isopropylbenzene	EPA 8260B	5C01024	1.0	ND	1	3/1/2005	3/1/2005	
p-Isopropyltoluene	EPA 8260B	5C01024	1.0	ND	1	3/1/2005	3/1/2005	
Methylene chloride	EPA 8260B	5C01024	5.0	ND	1	3/1/2005	3/1/2005	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	5C01024	1.0	ND	1	3/1/2005	3/1/2005	

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Attention: Lisa Hall

Project ID: Honeywell, North Hollywood

Report Number: IOB1727

Sampled: 02/22/05
Received: 02/23/05

VOLATILE ORGANICS with MTBE by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IOB1727-03 (GW-9-2/22-05 - Water) - cont.								
Reporting Units: ug/l								
Naphthalene	EPA 8260B	5C01024	1.0	ND	1	3/1/2005	3/1/2005	
n-Propylbenzene	EPA 8260B	5C01024	1.0	ND	1	3/1/2005	3/1/2005	
Styrene	EPA 8260B	5C01024	1.0	ND	1	3/1/2005	3/1/2005	
1,1,1,2-Tetrachloroethane	EPA 8260B	5C01024	1.0	ND	1	3/1/2005	3/1/2005	
1,1,2,2-Tetrachloroethane	EPA 8260B	5C01024	1.0	ND	1	3/1/2005	3/1/2005	
Tetrachloroethene	EPA 8260B	5C01024	1.0	ND	1	3/1/2005	3/1/2005	
Toluene	EPA 8260B	5C01024	1.0	**9.5**	1	3/1/2005	3/1/2005	
1,2,3-Trichlorobenzene	EPA 8260B	5C01024	0.50	ND	1	3/1/2005	3/1/2005	
1,2,4-Trichlorobenzene	EPA 8260B	5C01024	1.0	ND	1	3/1/2005	3/1/2005	
1,1,1-Trichloroethane	EPA 8260B	5C01024	1.0	ND	1	3/1/2005	3/1/2005	
1,1,2-Trichloroethane	EPA 8260B	5C01024	1.0	ND	1	3/1/2005	3/1/2005	
Trichloroethene	EPA 8260B	5C01024	1.0	ND	1	3/1/2005	3/1/2005	
Trichlorofluoromethane	EPA 8260B	5C01024	1.0	**17**	1	3/1/2005	3/1/2005	
1,2,3-Trichloropropane	EPA 8260B	5C01024	1.0	ND	1	3/1/2005	3/1/2005	
1,2,4-Trimethylbenzene	EPA 8260B	5C01024	1.0	ND	1	3/1/2005	3/1/2005	
1,3,5-Trimethylbenzene	EPA 8260B	5C01024	1.0	ND	1	3/1/2005	3/1/2005	
Vinyl chloride	EPA 8260B	5C01024	1.0	ND	1	3/1/2005	3/1/2005	
o-Xylene	EPA 8260B	5C01024	0.50	ND	1	3/1/2005	3/1/2005	
m,p-Xylenes	EPA 8260B	5C01024	0.50	ND	1	3/1/2005	3/1/2005	
Surrogate: Dibromofluoromethane (80-120%)			1.0	ND	1	3/1/2005	3/1/2005	
Surrogate: Toluene-d8 (80-120%)				*110 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*108 %*				
				102 %				

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Project ID: Honeywell, North Hollywood

Report Number: IOB1727

Sampled: 02/22/05
Received: 02/23/05

VOLATILE ORGANICS with MTBE by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IOB1727-04 (EB-01-2/22-05 - Water)								
Reporting Units: ug/l								
Benzene	EPA 8260B	5C03016	0.50	ND	1	3/3/2005	3/3/2005	
Bromobenzene	EPA 8260B	5C03016	1.0	ND	1	3/3/2005	3/3/2005	
Bromochloromethane	EPA 8260B	5C03016	1.0	ND	1	3/3/2005	3/3/2005	
Bromodichloromethane	EPA 8260B	5C03016	1.0	ND	1	3/3/2005	3/3/2005	
Bromoform	EPA 8260B	5C03016	1.0	ND	1	3/3/2005	3/3/2005	
Bromomethane	EPA 8260B	5C03016	1.0	ND	1	3/3/2005	3/3/2005	
n-Butylbenzene	EPA 8260B	5C03016	1.0	ND	1	3/3/2005	3/3/2005	
sec-Butylbenzene	EPA 8260B	5C03016	1.0	ND	1	3/3/2005	3/3/2005	
tert-Butylbenzene	EPA 8260B	5C03016	1.0	ND	1	3/3/2005	3/3/2005	
Carbon tetrachloride	EPA 8260B	5C03016	0.50	ND	1	3/3/2005	3/3/2005	
Chlorobenzene	EPA 8260B	5C03016	1.0	ND	1	3/3/2005	3/3/2005	
Chloroethane	EPA 8260B	5C03016	1.0	ND	1	3/3/2005	3/3/2005	
Chloroform	EPA 8260B	5C03016	1.0	ND	1	3/3/2005	3/3/2005	
Chloromethane	EPA 8260B	5C03016	1.0	ND	1	3/3/2005	3/3/2005	
2-Chlorotoluene	EPA 8260B	5C03016	1.0	ND	1	3/3/2005	3/3/2005	
4-Chlorotoluene	EPA 8260B	5C03016	1.0	ND	1	3/3/2005	3/3/2005	
Dibromochloromethane	EPA 8260B	5C03016	1.0	ND	1	3/3/2005	3/3/2005	
1,2-Dibromo-3-chloropropane	EPA 8260B	5C03016	5.0	ND	1	3/3/2005	3/3/2005	
1,2-Dibromoethane (EDB)	EPA 8260B	5C03016	1.0	ND	1	3/3/2005	3/3/2005	
Dibromomethane	EPA 8260B	5C03016	1.0	ND	1	3/3/2005	3/3/2005	
1,2-Dichlorobenzene	EPA 8260B	5C03016	1.0	ND	1	3/3/2005	3/3/2005	
1,3-Dichlorobenzene	EPA 8260B	5C03016	1.0	ND	1	3/3/2005	3/3/2005	
1,4-Dichlorobenzene	EPA 8260B	5C03016	1.0	ND	1	3/3/2005	3/3/2005	
Dichlorodifluoromethane	EPA 8260B	5C03016	2.0	ND	1	3/3/2005	3/3/2005	
1,1-Dichloroethane	EPA 8260B	5C03016	1.0	ND	1	3/3/2005	3/3/2005	
1,2-Dichloroethane	EPA 8260B	5C03016	0.50	ND	1	3/3/2005	3/3/2005	
1,1-Dichloroethene	EPA 8260B	5C03016	1.0	ND	1	3/3/2005	3/3/2005	
cis-1,2-Dichloroethene	EPA 8260B	5C03016	1.0	ND	1	3/3/2005	3/3/2005	
trans-1,2-Dichloroethene	EPA 8260B	5C03016	1.0	ND	1	3/3/2005	3/3/2005	
1,2-Dichloropropane	EPA 8260B	5C03016	1.0	ND	1	3/3/2005	3/3/2005	
1,3-Dichloropropane	EPA 8260B	5C03016	1.0	ND	1	3/3/2005	3/3/2005	
2,2-Dichloropropane	EPA 8260B	5C03016	1.0	ND	1	3/3/2005	3/3/2005	
1,1-Dichloropropene	EPA 8260B	5C03016	1.0	ND	1	3/3/2005	3/3/2005	
cis-1,3-Dichloropropene	EPA 8260B	5C03016	0.50	ND	1	3/3/2005	3/3/2005	
trans-1,3-Dichloropropene	EPA 8260B	5C03016	0.50	ND	1	3/3/2005	3/3/2005	
Ethylbenzene	EPA 8260B	5C03016	0.50	ND	1	3/3/2005	3/3/2005	
Hexachlorobutadiene	EPA 8260B	5C03016	1.0	ND	1	3/3/2005	3/3/2005	
Isopropylbenzene	EPA 8260B	5C03016	1.0	ND	1	3/3/2005	3/3/2005	
p-Isopropyltoluene	EPA 8260B	5C03016	1.0	ND	1	3/3/2005	3/3/2005	
Methylene chloride	EPA 8260B	5C03016	5.0	ND	1	3/3/2005	3/3/2005	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	5C03016	1.0	ND	1	3/3/2005	3/3/2005	

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MWH Americas - Brea
3050 Saturn St., Suite 205
Brea, CA 92821
Attention: Lisa Hall

Project ID: Honeywell, North Hollywood

Report Number: IOB1727

Sampled: 02/22/05
Received: 02/23/05

VOLATILE ORGANICS with MTBE by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IOB1727-04 (EB-01-2/22-05 - Water) - cont.								
Reporting Units: ug/l								
Naphthalene	EPA 8260B	5C03016	1.0	ND	1	3/3/2005	3/3/2005	
n-Propylbenzene	EPA 8260B	5C03016	1.0	ND	1	3/3/2005	3/3/2005	
Styrene	EPA 8260B	5C03016	1.0	ND	1	3/3/2005	3/3/2005	
1,1,1,2-Tetrachloroethane	EPA 8260B	5C03016	1.0	ND	1	3/3/2005	3/3/2005	
1,1,2,2-Tetrachloroethane	EPA 8260B	5C03016	1.0	ND	1	3/3/2005	3/3/2005	
Tetrachloroethene	EPA 8260B	5C03016	1.0	ND	1	3/3/2005	3/3/2005	
Toluene	EPA 8260B	5C03016	0.50	**1.0**	1	3/3/2005	3/3/2005	
1,2,3-Trichlorobenzene	EPA 8260B	5C03016	1.0	ND	1	3/3/2005	3/3/2005	
1,2,4-Trichlorobenzene	EPA 8260B	5C03016	1.0	ND	1	3/3/2005	3/3/2005	
1,1,1-Trichloroethane	EPA 8260B	5C03016	1.0	ND	1	3/3/2005	3/3/2005	
1,1,2-Trichloroethane	EPA 8260B	5C03016	1.0	ND	1	3/3/2005	3/3/2005	
Trichloroethene	EPA 8260B	5C03016	1.0	ND	1	3/3/2005	3/3/2005	
Trichlorofluoromethane	EPA 8260B	5C03016	1.0	ND	1	3/3/2005	3/3/2005	
1,2,3-Trichloropropane	EPA 8260B	5C03016	1.0	ND	1	3/3/2005	3/3/2005	
1,2,4-Trimethylbenzene	EPA 8260B	5C03016	1.0	ND	1	3/3/2005	3/3/2005	
1,3,5-Trimethylbenzene	EPA 8260B	5C03016	1.0	ND	1	3/3/2005	3/3/2005	
Vinyl chloride	EPA 8260B	5C03016	0.50	ND	1	3/3/2005	3/3/2005	
o-Xylene	EPA 8260B	5C03016	0.50	ND	1	3/3/2005	3/3/2005	
m,p-Xylenes	EPA 8260B	5C03016	1.0	ND	1	3/3/2005	3/3/2005	
Surrogate: Dibromofluoromethane (80-120%)				*110 %*				
Surrogate: Toluene-d8 (80-120%)				*103 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*108 %*				

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Project ID: Honeywell, North Hollywood

Report Number: IOB1727

Sampled: 02/22/05
Received: 02/23/05

VOLATILE ORGANICS with MTBE by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IOB1727-05 (GW-8-2/22-05 - Water)								
Reporting Units: ug/l								
Benzene	EPA 8260B	5C01024	0.50	ND	1	3/1/2005	3/1/2005	
Bromobenzene	EPA 8260B	5C01024	1.0	ND	1	3/1/2005	3/1/2005	
Bromochloromethane	EPA 8260B	5C01024	1.0	ND	1	3/1/2005	3/1/2005	
Bromodichloromethane	EPA 8260B	5C01024	1.0	ND	1	3/1/2005	3/1/2005	
Bromoform	EPA 8260B	5C01024	1.0	ND	1	3/1/2005	3/1/2005	
Bromomethane	EPA 8260B	5C01024	1.0	ND	1	3/1/2005	3/1/2005	
n-Butylbenzene	EPA 8260B	5C01024	1.0	ND	1	3/1/2005	3/1/2005	
sec-Butylbenzene	EPA 8260B	5C01024	1.0	ND	1	3/1/2005	3/1/2005	
tert-Butylbenzene	EPA 8260B	5C01024	1.0	ND	1	3/1/2005	3/1/2005	
Carbon tetrachloride	EPA 8260B	5C01024	0.50	ND	1	3/1/2005	3/1/2005	
Chlorobenzene	EPA 8260B	5C01024	1.0	ND	1	3/1/2005	3/1/2005	
Chloroethane	EPA 8260B	5C01024	1.0	ND	1	3/1/2005	3/1/2005	
Chloroform	EPA 8260B	5C01024	1.0	ND	1	3/1/2005	3/1/2005	
Chloromethane	EPA 8260B	5C01024	1.0	ND	1	3/1/2005	3/1/2005	
2-Chlorotoluene	EPA 8260B	5C01024	1.0	ND	1	3/1/2005	3/1/2005	
4-Chlorotoluene	EPA 8260B	5C01024	1.0	ND	1	3/1/2005	3/1/2005	
Dibromochloromethane	EPA 8260B	5C01024	1.0	ND	1	3/1/2005	3/1/2005	
1,2-Dibromo-3-chloropropane	EPA 8260B	5C01024	5.0	ND	1	3/1/2005	3/1/2005	
1,2-Dibromoethane (EDB)	EPA 8260B	5C01024	1.0	ND	1	3/1/2005	3/1/2005	
Dibromomethane	EPA 8260B	5C01024	1.0	ND	1	3/1/2005	3/1/2005	
1,2-Dichlorobenzene	EPA 8260B	5C01024	1.0	ND	1	3/1/2005	3/1/2005	
1,3-Dichlorobenzene	EPA 8260B	5C01024	1.0	ND	1	3/1/2005	3/1/2005	
1,4-Dichlorobenzene	EPA 8260B	5C01024	1.0	ND	1	3/1/2005	3/1/2005	
Dichlorodifluoromethane	EPA 8260B	5C01024	2.0	**4.9**	1	3/1/2005	3/1/2005	
1,1-Dichloroethane	EPA 8260B	5C01024	1.0	**1.8**	1	3/1/2005	3/1/2005	
1,2-Dichloroethane	EPA 8260B	5C01024	0.50	**0.66**	1	3/1/2005	3/1/2005	
1,1-Dichloroethene	EPA 8260B	5C01024	1.0	ND	1	3/1/2005	3/1/2005	
cis-1,2-Dichloroethene	EPA 8260B	5C01024	1.0	**14**	1	3/1/2005	3/1/2005	
trans-1,2-Dichloroethene	EPA 8260B	5C01024	1.0	ND	1	3/1/2005	3/1/2005	
1,2-Dichloropropane	EPA 8260B	5C01024	1.0	ND	1	3/1/2005	3/1/2005	
1,3-Dichloropropane	EPA 8260B	5C01024	1.0	ND	1	3/1/2005	3/1/2005	
2,2-Dichloropropane	EPA 8260B	5C01024	1.0	ND	1	3/1/2005	3/1/2005	
1,1-Dichloropropene	EPA 8260B	5C01024	1.0	ND	1	3/1/2005	3/1/2005	
cis-1,3-Dichloropropene	EPA 8260B	5C01024	0.50	ND	1	3/1/2005	3/1/2005	
trans-1,3-Dichloropropene	EPA 8260B	5C01024	0.50	ND	1	3/1/2005	3/1/2005	
Ethylbenzene	EPA 8260B	5C01024	0.50	ND	1	3/1/2005	3/1/2005	
Hexachlorobutadiene	EPA 8260B	5C01024	1.0	ND	1	3/1/2005	3/1/2005	
Isopropylbenzene	EPA 8260B	5C01024	1.0	ND	1	3/1/2005	3/1/2005	
p-Isopropyltoluene	EPA 8260B	5C01024	1.0	ND	1	3/1/2005	3/1/2005	
Methylene chloride	EPA 8260B	5C01024	5.0	ND	1	3/1/2005	3/1/2005	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	5C01024	1.0	ND	1	3/1/2005	3/1/2005	

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MWH Americas - Brea
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Attention: Lisa Hall

Project ID: Honeywell, North Hollywood

Report Number: IOB1727

Sampled: 02/22/05
Received: 02/23/05

VOLATILE ORGANICS with MTBE by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IOB1727-05 (GW-8-2/22-05 - Water) - cont.								
Reporting Units: ug/l								
Naphthalene	EPA 8260B	5C01024	1.0	ND	1	3/1/2005	3/1/2005	
n-Propylbenzene	EPA 8260B	5C01024	1.0	ND	1	3/1/2005	3/1/2005	
Styrene	EPA 8260B	5C01024	1.0	ND	1	3/1/2005	3/1/2005	
1,1,1,2-Tetrachloroethane	EPA 8260B	5C01024	1.0	ND	1	3/1/2005	3/1/2005	
1,1,2,2-Tetrachloroethane	EPA 8260B	5C01024	1.0	ND	1	3/1/2005	3/1/2005	
Tetrachloroethene	EPA 8260B	5C01024	1.0	ND	1	3/1/2005	3/1/2005	
Toluene	EPA 8260B	5C01024	1.0	**8.7**	1	3/1/2005	3/1/2005	
1,2,3-Trichlorobenzene	EPA 8260B	5C01024	0.50	ND	1	3/1/2005	3/1/2005	
1,2,4-Trichlorobenzene	EPA 8260B	5C01024	1.0	ND	1	3/1/2005	3/1/2005	
1,1,1-Trichloroethane	EPA 8260B	5C01024	1.0	ND	1	3/1/2005	3/1/2005	
1,1,2-Trichloroethane	EPA 8260B	5C01024	1.0	ND	1	3/1/2005	3/1/2005	
Trichloroethene	EPA 8260B	5C01024	1.0	ND	1	3/1/2005	3/1/2005	
Trichlorofluoromethane	EPA 8260B	5C01024	1.0	**9.9**	1	3/1/2005	3/1/2005	
1,2,3-Trichloropropane	EPA 8260B	5C01024	1.0	ND	1	3/1/2005	3/1/2005	
1,2,4-Trimethylbenzene	EPA 8260B	5C01024	1.0	ND	1	3/1/2005	3/1/2005	
1,3,5-Trimethylbenzene	EPA 8260B	5C01024	1.0	ND	1	3/1/2005	3/1/2005	
Vinyl chloride	EPA 8260B	5C01024	1.0	ND	1	3/1/2005	3/1/2005	
o-Xylene	EPA 8260B	5C01024	0.50	ND	1	3/1/2005	3/1/2005	
m,p-Xylenes	EPA 8260B	5C01024	0.50	ND	1	3/1/2005	3/1/2005	
Surrogate: Dibromofluoromethane (80-120%)			1.0	ND	1	3/1/2005	3/1/2005	
Surrogate: Toluene-d8 (80-120%)				*102 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*107 %*				
				100 %				

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VOLATILE ORGANICS with MTBE by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IOB1727-06 (TB - Water)								
Reporting Units: ug/l								
Benzene	EPA 8260B	5C01024	0.50	ND	1	3/1/2005	3/1/2005	
Bromobenzene	EPA 8260B	5C01024	1.0	ND	1	3/1/2005	3/1/2005	
Bromochloromethane	EPA 8260B	5C01024	1.0	ND	1	3/1/2005	3/1/2005	
Bromodichloromethane	EPA 8260B	5C01024	1.0	ND	1	3/1/2005	3/1/2005	
Bromoform	EPA 8260B	5C01024	1.0	ND	1	3/1/2005	3/1/2005	
Bromomethane	EPA 8260B	5C01024	1.0	ND	1	3/1/2005	3/1/2005	
n-Butylbenzene	EPA 8260B	5C01024	1.0	ND	1	3/1/2005	3/1/2005	
sec-Butylbenzene	EPA 8260B	5C01024	1.0	ND	1	3/1/2005	3/1/2005	
tert-Butylbenzene	EPA 8260B	5C01024	1.0	ND	1	3/1/2005	3/1/2005	
Carbon tetrachloride	EPA 8260B	5C01024	0.50	ND	1	3/1/2005	3/1/2005	
Chlorobenzene	EPA 8260B	5C01024	1.0	ND	1	3/1/2005	3/1/2005	
Chloroethane	EPA 8260B	5C01024	1.0	ND	1	3/1/2005	3/1/2005	
Chloroform	EPA 8260B	5C01024	1.0	ND	1	3/1/2005	3/1/2005	
Chloromethane	EPA 8260B	5C01024	1.0	ND	1	3/1/2005	3/1/2005	
2-Chlorotoluene	EPA 8260B	5C01024	1.0	ND	1	3/1/2005	3/1/2005	
4-Chlorotoluene	EPA 8260B	5C01024	1.0	ND	1	3/1/2005	3/1/2005	
Dibromochloromethane	EPA 8260B	5C01024	1.0	ND	1	3/1/2005	3/1/2005	
1,2-Dibromo-3-chloropropane	EPA 8260B	5C01024	5.0	ND	1	3/1/2005	3/1/2005	
1,2-Dibromoethane (EDB)	EPA 8260B	5C01024	1.0	ND	1	3/1/2005	3/1/2005	
Dibromomethane	EPA 8260B	5C01024	1.0	ND	1	3/1/2005	3/1/2005	
1,2-Dichlorobenzene	EPA 8260B	5C01024	1.0	ND	1	3/1/2005	3/1/2005	
1,3-Dichlorobenzene	EPA 8260B	5C01024	1.0	ND	1	3/1/2005	3/1/2005	
1,4-Dichlorobenzene	EPA 8260B	5C01024	1.0	ND	1	3/1/2005	3/1/2005	
Dichlorodifluoromethane	EPA 8260B	5C01024	2.0	ND	1	3/1/2005	3/1/2005	
1,1-Dichloroethane	EPA 8260B	5C01024	1.0	ND	1	3/1/2005	3/1/2005	
1,2-Dichloroethane	EPA 8260B	5C01024	0.50	ND	1	3/1/2005	3/1/2005	
1,1-Dichloroethene	EPA 8260B	5C01024	1.0	ND	1	3/1/2005	3/1/2005	
cis-1,2-Dichloroethene	EPA 8260B	5C01024	1.0	ND	1	3/1/2005	3/1/2005	
trans-1,2-Dichloroethene	EPA 8260B	5C01024	1.0	ND	1	3/1/2005	3/1/2005	
1,2-Dichloropropane	EPA 8260B	5C01024	1.0	ND	1	3/1/2005	3/1/2005	
1,3-Dichloropropane	EPA 8260B	5C01024	1.0	ND	1	3/1/2005	3/1/2005	
2,2-Dichloropropane	EPA 8260B	5C01024	1.0	ND	1	3/1/2005	3/1/2005	
1,1-Dichloropropene	EPA 8260B	5C01024	1.0	ND	1	3/1/2005	3/1/2005	
cis-1,3-Dichloropropene	EPA 8260B	5C01024	0.50	ND	1	3/1/2005	3/1/2005	
trans-1,3-Dichloropropene	EPA 8260B	5C01024	0.50	ND	1	3/1/2005	3/1/2005	
Ethylbenzene	EPA 8260B	5C01024	0.50	ND	1	3/1/2005	3/1/2005	
Hexachlorobutadiene	EPA 8260B	5C01024	1.0	ND	1	3/1/2005	3/1/2005	
Isopropylbenzene	EPA 8260B	5C01024	1.0	ND	1	3/1/2005	3/1/2005	
p-Isopropyltoluene	EPA 8260B	5C01024	1.0	ND	1	3/1/2005	3/1/2005	
Methylene chloride	EPA 8260B	5C01024	5.0	ND	1	3/1/2005	3/1/2005	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	5C01024	1.0	ND	1	3/1/2005	3/1/2005	

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Sampled: 02/22/05
Received: 02/23/05

VOLATILE ORGANICS with MTBE by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IOB1727-06 (TB - Water) - cont.								
Reporting Units: ug/l								
Naphthalene	EPA 8260B	5C01024	1.0	ND	1	3/1/2005	3/1/2005	
n-Propylbenzene	EPA 8260B	5C01024	1.0	ND	1	3/1/2005	3/1/2005	
Styrene	EPA 8260B	5C01024	1.0	ND	1	3/1/2005	3/1/2005	
1,1,1,2-Tetrachloroethane	EPA 8260B	5C01024	1.0	ND	1	3/1/2005	3/1/2005	
1,1,2,2-Tetrachloroethane	EPA 8260B	5C01024	1.0	ND	1	3/1/2005	3/1/2005	
Tetrachloroethene	EPA 8260B	5C01024	1.0	ND	1	3/1/2005	3/1/2005	
Toluene	EPA 8260B	5C01024	1.0	ND	1	3/1/2005	3/1/2005	
1,2,3-Trichlorobenzene	EPA 8260B	5C01024	0.50	ND	1	3/1/2005	3/1/2005	
1,2,4-Trichlorobenzene	EPA 8260B	5C01024	1.0	ND	1	3/1/2005	3/1/2005	
1,1,1-Trichloroethane	EPA 8260B	5C01024	1.0	ND	1	3/1/2005	3/1/2005	
1,1,2-Trichloroethane	EPA 8260B	5C01024	1.0	ND	1	3/1/2005	3/1/2005	
Trichloroethene	EPA 8260B	5C01024	1.0	ND	1	3/1/2005	3/1/2005	
Trichlorofluoromethane	EPA 8260B	5C01024	1.0	ND	1	3/1/2005	3/1/2005	
1,2,3-Trichloropropane	EPA 8260B	5C01024	1.0	ND	1	3/1/2005	3/1/2005	
1,2,4-Trimethylbenzene	EPA 8260B	5C01024	1.0	ND	1	3/1/2005	3/1/2005	
1,3,5-Trimethylbenzene	EPA 8260B	5C01024	1.0	ND	1	3/1/2005	3/1/2005	
Vinyl chloride	EPA 8260B	5C01024	1.0	ND	1	3/1/2005	3/1/2005	
o-Xylene	EPA 8260B	5C01024	0.50	ND	1	3/1/2005	3/1/2005	
m,p-Xylenes	EPA 8260B	5C01024	0.50	ND	1	3/1/2005	3/1/2005	
Surrogate: Dibromofluoromethane (80-120%)				*108 %*				
Surrogate: Toluene-d8 (80-120%)				*108 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*101 %*				

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MWH Americas - Brea
3050 Saturn St., Suite 205
Brea, CA 92821
Attention: Lisa Hall

Project ID: Honeywell, North Hollywood

Report Number: IOB1727

Sampled: 02/22/05
Received: 02/23/05

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3520C/8270C MOD)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IOB1727-01 (GW-6-2/22-05 - Water)								
Reporting Units: ug/l								
1,4-Dioxane	EPA 8270C MOD	5B24040	1.0	6.3	1	2/24/2005	2/25/2005	
Surrogate: 1,4-Dioxane-d8 (35-120%)				*68 %*				
Sample ID: IOB1727-02 (GW-2-2/22-05 - Water)								
Reporting Units: ug/l								
1,4-Dioxane	EPA 8270C MOD	5B24040	1.0	4.1	0.98	2/24/2005	2/25/2005	
Surrogate: 1,4-Dioxane-d8 (35-120%)				*60 %*				
Sample ID: IOB1727-04 (EB-01-2/22-05 - Water)								
Reporting Units: ug/l								
1,4-Dioxane	EPA 8270C MOD	5B24040	1.0	ND	1.05	2/24/2005	2/25/2005	
Surrogate: 1,4-Dioxane-d8 (35-120%)				*57 %*				

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WH Americas - Brea
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Brea, CA 92821
Attention: Lisa Hall

Project ID: Honeywell, North Hollywood

Report Number: IOB1727

Sampled: 02/22/05
Received: 02/23/05

METALS

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IOB1727-04 (EB-01-2/22-05 - Water)								
Reporting Units: mg/l								
Antimony	EPA 6010B	5B25103	0.010	ND	1	2/25/2005	2/26/2005	
Arsenic	EPA 6010B	5B25103	0.0050	ND	1	2/25/2005	2/26/2005	
Barium	EPA 6010B	5B25103	0.010	ND	1	2/25/2005	2/26/2005	
Beryllium	EPA 6010B	5B25103	0.0040	ND	1	2/25/2005	2/26/2005	
Cadmium	EPA 6010B	5B25103	0.0050	ND	1	2/25/2005	2/26/2005	
Chromium	EPA 6010B	5B25103	0.0050	ND	1	2/25/2005	2/26/2005	
Cobalt	EPA 6010B	5B25103	0.010	ND	1	2/25/2005	2/26/2005	
Copper	EPA 6010B	5B25103	0.010	ND	1	2/25/2005	2/26/2005	
Lead	EPA 6010B	5B25103	0.0050	ND	1	2/25/2005	2/26/2005	
Mercury	EPA 7470A	5B24082	0.00020	ND	1	2/24/2005	2/24/2005	
Molybdenum	EPA 6010B	5B25103	0.020	ND	1	2/25/2005	2/26/2005	
Nickel	EPA 6010B	5B25103	0.010	ND	1	2/25/2005	2/26/2005	
Selenium	EPA 6010B	5B25103	0.0050	ND	1	2/25/2005	2/26/2005	
Silver	EPA 6010B	5B25103	0.010	ND	1	2/25/2005	2/26/2005	
Thallium	EPA 6010B	5B25103	0.0050	ND	1	2/25/2005	2/27/2005	
nadium	EPA 6010B	5B25103	0.010	ND	1	2/25/2005	2/26/2005	
c	EPA 6010B	5B25103	0.020	ND	1	2/25/2005	2/26/2005	
Sample ID: IOB1727-07 (GW-6-2/22-05-F - Water)								
Reporting Units: mg/l								
Antimony	EPA 6010B	5B25103	0.010	ND	1	2/25/2005	2/27/2005	
Arsenic	EPA 6010B	5B25103	0.0050	ND	1	2/25/2005	3/1/2005	
Barium	EPA 6010B	5B25103	0.010	**0.32**	1	2/25/2005	2/27/2005	
Beryllium	EPA 6010B	5B25103	0.0040	ND	1	2/25/2005	2/27/2005	
Cadmium	EPA 6010B	5B25103	0.0050	ND	1	2/25/2005	2/27/2005	
Chromium	EPA 6010B	5B25103	0.0050	ND	1	2/25/2005	2/27/2005	
Cobalt	EPA 6010B	5B25103	0.010	ND	1	2/25/2005	2/27/2005	
Copper	EPA 6010B	5B25103	0.010	ND	1	2/25/2005	2/27/2005	
Lead	EPA 6010B	5B25103	0.0050	ND	1	2/25/2005	2/27/2005	
Mercury	EPA 7470A	5B24082	0.00020	ND	1	2/24/2005	2/24/2005	
Molybdenum	EPA 6010B	5B25103	0.020	ND	1	2/25/2005	2/27/2005	
Nickel	EPA 6010B	5B25103	0.010	ND	1	2/25/2005	2/27/2005	
Selenium	EPA 6010B	5B25103	0.0050	ND	1	2/25/2005	2/27/2005	
Silver	EPA 6010B	5B25103	0.010	ND	1	2/25/2005	2/27/2005	
Thallium	EPA 6010B	5B25103	0.010	ND	1	2/25/2005	2/27/2005	
Vanadium	EPA 6010B	5B25103	0.010	ND	1	2/25/2005	2/28/2005	
Zinc	EPA 6010B	5B25103	0.020	**0.032**	1	2/25/2005	2/27/2005	
Sample ID: IOB1727-07 (GW-6-2/22-05-F - Water)								
Reporting Units: ug/l								
Thallium	EPA 6020	5C02082	1.0	ND	1	3/2/2005	3/3/2005	

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3050 Saturn St., Suite 205
Brea, CA 92821
Attention: Lisa Hall

Project ID: Honeywell, North Hollywood

Report Number: IOB1727

Sampled: 02/22/05
Received: 02/23/05

METALS

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IOB1727-08 (GW-2-2/22-05-F - Water)								
Reporting Units: mg/l								
Antimony	EPA 6010B	5B25103	0.010	ND	1	2/25/2005	2/27/2005	
Arsenic	EPA 6010B	5B25103	0.0050	ND	1	2/25/2005	2/28/2005	
Barium	EPA 6010B	5B25103	0.010	**0.41**	1	2/25/2005	2/27/2005	
Beryllium	EPA 6010B	5B25103	0.0040	ND	1	2/25/2005	2/27/2005	
Cadmium	EPA 6010B	5B25103	0.0050	ND	1	2/25/2005	2/27/2005	
Chromium	EPA 6010B	5B25103	0.0050	ND	1	2/25/2005	2/27/2005	
Cobalt	EPA 6010B	5B25103	0.010	ND	1	2/25/2005	2/27/2005	
Copper	EPA 6010B	5B25103	0.010	ND	1	2/25/2005	2/27/2005	
Lead	EPA 6010B	5B25103	0.0050	ND	1	2/25/2005	2/27/2005	
Mercury	EPA 7470A	5B24082	0.00020	ND	1	2/24/2005	2/24/2005	
Molybdenum	EPA 6010B	5B25103	0.020	ND	1	2/25/2005	2/27/2005	
Nickel	EPA 6010B	5B25103	0.010	ND	1	2/25/2005	2/27/2005	
Selenium	EPA 6010B	5B25103	0.0050	ND	1	2/25/2005	2/27/2005	
Silver	EPA 6010B	5B25103	0.010	ND	1	2/25/2005	2/27/2005	
Thallium	EPA 6010B	5B25103	0.010	ND	1	2/25/2005	2/28/2005	
Vanadium	EPA 6010B	5B25103	0.010	ND	1	2/25/2005	2/27/2005	
Zinc	EPA 6010B	5B25103	0.020	**0.068**	1	2/25/2005	2/27/2005	
Sample ID: IOB1727-08 (GW-2-2/22-05-F - Water)								
Reporting Units: ug/l								
Thallium	EPA 6020	5C02082	1.0	ND	1	3/2/2005	3/3/2005	
Sample ID: IOB1727-09 (GW-9-2/22-05-F - Water)								
Reporting Units: mg/l								
Antimony	EPA 6010B	5B25103	0.010	ND	1	2/25/2005	2/27/2005	
Arsenic	EPA 6010B	5B25103	0.0050	**0.0071**	1	2/25/2005	2/28/2005	
Barium	EPA 6010B	5B25103	0.010	**0.23**	1	2/25/2005	2/27/2005	
Beryllium	EPA 6010B	5B25103	0.0040	ND	1	2/25/2005	2/27/2005	
Cadmium	EPA 6010B	5B25103	0.0050	ND	1	2/25/2005	2/27/2005	
Chromium	EPA 6010B	5B25103	0.0050	ND	1	2/25/2005	2/27/2005	
Cobalt	EPA 6010B	5B25103	0.010	ND	1	2/25/2005	2/27/2005	
Copper	EPA 6010B	5B25103	0.010	ND	1	2/25/2005	2/27/2005	
Lead	EPA 6010B	5B25103	0.0050	ND	1	2/25/2005	2/27/2005	
Mercury	EPA 7470A	5B24082	0.00020	ND	1	2/24/2005	2/24/2005	
Molybdenum	EPA 6010B	5B25103	0.020	ND	1	2/25/2005	2/27/2005	
Nickel	EPA 6010B	5B25103	0.010	ND	1	2/25/2005	2/27/2005	
Selenium	EPA 6010B	5B25103	0.0050	ND	1	2/25/2005	2/27/2005	
Silver	EPA 6010B	5B25103	0.010	ND	1	2/25/2005	2/27/2005	
Thallium	EPA 6010B	5B25103	0.010	ND	1	2/25/2005	2/28/2005	
Vanadium	EPA 6010B	5B25103	0.010	ND	1	2/25/2005	2/27/2005	
Zinc	EPA 6010B	5B25103	0.020	ND	1	2/25/2005	2/27/2005	

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MWH Americas - Brea
3050 Saturn St., Suite 205
Brea, CA 92821
Attention: Lisa Hall

Project ID: Honeywell, North Hollywood

Report Number: IOB1727

Sampled: 02/22/05
Received: 02/23/05

METALS

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IOB1727-09 (GW-9-2/22-05-F - Water)								
Reporting Units: ug/l								
Thallium	EPA 6020	5C02082	1.0	ND	1	3/2/2005	3/3/2005	
Sample ID: IOB1727-10 (GW-8-2/22-05-F - Water)								
Reporting Units: mg/l								
Antimony	EPA 6010B	5B25103	0.010	ND	1	2/25/2005	2/27/2005	
Arsenic	EPA 6010B	5B25103	0.0050	**0.0066**	1	2/25/2005	2/28/2005	
Barium	EPA 6010B	5B25103	0.010	**0.45**	1	2/25/2005	2/27/2005	
Beryllium	EPA 6010B	5B25103	0.0040	ND	1	2/25/2005	2/27/2005	
Cadmium	EPA 6010B	5B25103	0.0050	ND	1	2/25/2005	2/27/2005	
Chromium	EPA 6010B	5B25103	0.0050	ND	1	2/25/2005	2/27/2005	
Cobalt	EPA 6010B	5B25103	0.010	ND	1	2/25/2005	2/27/2005	
Copper	EPA 6010B	5B25103	0.010	ND	1	2/25/2005	2/27/2005	
Lead	EPA 6010B	5B25103	0.0050	ND	1	2/25/2005	2/27/2005	
Mercury	EPA 7470A	5B24082	0.00020	ND	1	2/24/2005	2/24/2005	
Molybdenum	EPA 6010B	5B25103	0.020	ND	1	2/25/2005	2/27/2005	
Nickel	EPA 6010B	5B25103	0.010	ND	1	2/25/2005	2/27/2005	
Selenium	EPA 6010B	5B25103	0.0050	ND	1	2/25/2005	2/27/2005	
Silver	EPA 6010B	5B25103	0.010	ND	1	2/25/2005	2/27/2005	
Thallium	EPA 6010B	5B25103	0.010	ND	1	2/25/2005	2/28/2005	
Vanadium	EPA 6010B	5B25103	0.010	ND	1	2/25/2005	2/27/2005	
Zinc	EPA 6010B	5B25103	0.020	**0.11**	1	2/25/2005	2/27/2005	
Sample ID: IOB1727-10 (GW-8-2/22-05-F - Water)								
Reporting Units: ug/l								
Thallium	EPA 6020	5C02082	1.0	ND	1	3/2/2005	3/3/2005	

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Sampled: 02/22/05
Received: 02/23/05

INORGANICS

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IOB1727-01 (GW-6-2/22-05 - Water)								
Reporting Units: mg/l								
Chromium VI	EPA 7199	5B23063	0.0010	ND	1	2/23/2005	2/23/2005	
Sample ID: IOB1727-01 (GW-6-2/22-05 - Water)								
Reporting Units: ug/l								
Perchlorate	EPA 314.0	5B28103	2.0	ND	1	2/28/2005	3/1/2005	
Sample ID: IOB1727-02 (GW-2-2/22-05 - Water)								
Reporting Units: mg/l								
Chromium VI	EPA 7199	5B23063	0.0010	ND	1	2/23/2005	2/23/2005	
Sample ID: IOB1727-02 (GW-2-2/22-05 - Water)								
Reporting Units: ug/l								
Perchlorate	EPA 314.0	5C02057	2.0	ND	1	3/2/2005	3/3/2005	
Sample ID: IOB1727-03 (GW-9-2/22-05 - Water)								
Reporting Units: mg/l								
Chromium VI	EPA 7199	5B23063	0.0010	ND	1	2/23/2005	2/23/2005	
Sample ID: IOB1727-04 (EB-01-2/22-05 - Water)								
Reporting Units: mg/l								
Chromium VI	EPA 7199	5B23063	0.0010	ND	1	2/23/2005	2/23/2005	H
Sample ID: IOB1727-04 (EB-01-2/22-05 - Water)								
Reporting Units: ug/l								
Perchlorate	EPA 314.0	5C02057	2.0	ND	1	3/2/2005	3/3/2005	
Sample ID: IOB1727-05 (GW-8-2/22-05 - Water)								
Reporting Units: mg/l								
Chromium VI	EPA 7199	5B23063	0.0010	ND	1	2/23/2005	2/23/2005	

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MWH Americas - Brea
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Brea, CA 92821
Attention: Lisa Hall

Project ID: Honeywell, North Hollywood

Report Number: IOB1727

Sampled: 02/22/05
Received: 02/23/05

SHORT HOLD TIME DETAIL REPORT

	Hold Time (In days)	Date/Time Sampled	Date/Time Received	Date/Time Extracted	Date/Time Analyzed
Sample ID: GW-6-2/22-05 (IOB1727-01) - Water					
EPA 7199	1	02/22/2005 11:10	02/23/2005 10:50	02/23/2005 11:11	02/23/2005 11:27
Sample ID: GW-2-2/22-05 (IOB1727-02) - Water					
EPA 7199	1	02/22/2005 12:50	02/23/2005 10:50	02/23/2005 11:11	02/23/2005 11:37
Sample ID: GW-9-2/22-05 (IOB1727-03) - Water					
EPA 7199	1	02/22/2005 14:10	02/23/2005 10:50	02/23/2005 11:11	02/23/2005 11:47
Sample ID: EB-01-2/22-05 (IOB1727-04) - Water					
EPA 7199	1	02/22/2005 10:00	02/23/2005 10:50	02/23/2005 11:11	02/23/2005 11:57
Sample ID: GW-8-2/22-05 (IOB1727-05) - Water					
EPA 7199	1	02/22/2005 16:00	02/23/2005 10:50	02/23/2005 11:11	02/23/2005 12:08

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Del Mar Analytical

MWH Americas - Brea 3050 Saturn St., Suite 205 Brea, CA 92821 Attention: Lisa Hall	Project ID: Honeywell, North Hollywood Report Number: IOB1727	Sampled: 02/22/05 Received: 02/23/05

METHOD BLANK/QC DATA

VOLATILE ORGANICS with MTBE by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 5C01024 Extracted: 03/01/05										
Blank Analyzed: 03/01/2005 (5C01024-BLK1)										
Benzene	ND	0.50	ug/l							
Bromobenzene	ND	1.0	ug/l							
Bromochloromethane	ND	1.0	ug/l							
Bromodichloromethane	ND	1.0	ug/l							
Bromoform	ND	1.0	ug/l							
Bromomethane	ND	1.0	ug/l							
n-Butylbenzene	ND	1.0	ug/l							
sec-Butylbenzene	ND	1.0	ug/l							
tert-Butylbenzene	ND	1.0	ug/l							
Carbon tetrachloride	ND	0.50	ug/l							
Chlorobenzene	ND	1.0	ug/l							
Chloroethane	ND	1.0	ug/l							
Chloroform	ND	1.0	ug/l							
Chloromethane	ND	1.0	ug/l							
2-Chlorotoluene	ND	1.0	ug/l							
4-Chlorotoluene	ND	1.0	ug/l							
Dibromochloromethane	ND	1.0	ug/l							
1,2-Dibromo-3-chloropropane	ND	5.0	ug/l							
1,2-Dibromoethane (EDB)	ND	1.0	ug/l							
Dibromomethane	ND	1.0	ug/l							
1,2-Dichlorobenzene	ND	1.0	ug/l							
1,3-Dichlorobenzene	ND	1.0	ug/l							
1,4-Dichlorobenzene	ND	1.0	ug/l							
Dichlorodifluoromethane	ND	2.0	ug/l							
1,1-Dichloroethane	ND	1.0	ug/l							
1,2-Dichloroethane	ND	0.50	ug/l							
1,1-Dichloroethene	ND	1.0	ug/l							
cis-1,2-Dichloroethene	ND	1.0	ug/l							
trans-1,2-Dichloroethene	ND	1.0	ug/l							
1,2-Dichloropropane	ND	1.0	ug/l							
1,3-Dichloropropane	ND	1.0	ug/l							
2,2-Dichloropropane	ND	1.0	ug/l							
1,1-Dichloropropene	ND	1.0	ug/l							
cis-1,3-Dichloropropene	ND	0.50	ug/l							
trans-1,3-Dichloropropene	ND	0.50	ug/l							

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Project Manager

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MWH Americas - Brea
3050 Saturn St., Suite 205
Brea, CA 92821
Attention: Lisa Hall

Project ID: Honeywell, North Hollywood

Report Number: IOB1727

Sampled: 02/22/05
Received: 02/23/05

METHOD BLANK/QC DATA

VOLATILE ORGANICS with MTBE by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 5C01024 Extracted: 03/01/05										
Blank Analyzed: 03/01/2005 (5C01024-BLK1)										
Ethylbenzene	ND	0.50	ug/l							
Hexachlorobutadiene	ND	1.0	ug/l							
Isopropylbenzene	ND	1.0	ug/l							
p-Isopropyltoluene	ND	1.0	ug/l							
Methylene chloride	ND	5.0	ug/l							
Methyl-tert-butyl Ether (MTBE)	ND	1.0	ug/l							
Naphthalene	ND	1.0	ug/l							
n-Propylbenzene	ND	1.0	ug/l							
Styrene	ND	1.0	ug/l							
1,1,2-Tetrachloroethane	ND	1.0	ug/l							
1,2,2-Tetrachloroethane	ND	1.0	ug/l							
Tetrachloroethene	ND	1.0	ug/l							
Toluene	ND	1.0	ug/l							
1,2,3-Trichlorobenzene	ND	0.50	ug/l							
1,2,4-Trichlorobenzene	ND	1.0	ug/l							
1,1,1-Trichloroethane	ND	1.0	ug/l							
1,1,2-Trichloroethane	ND	1.0	ug/l							
Trichloroethene	ND	1.0	ug/l							
Trichlorofluoromethane	ND	1.0	ug/l							
1,2,3-Trichloropropane	ND	1.0	ug/l							
1,2,4-Trimethylbenzene	ND	1.0	ug/l							
1,3,5-Trimethylbenzene	ND	1.0	ug/l							
Vinyl chloride	ND	1.0	ug/l							
o-Xylene	ND	0.50	ug/l							
m,p-Xylenes	ND	0.50	ug/l							
Surrogate: Dibromofluoromethane	*27.6*	1.0	ug/l	*25.0*		*110*	*80-120*			
Surrogate: Toluene-d8	*27.7*		*ug/l*	*25.0*		*111*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*26.3*		*ug/l*	*25.0*		*105*	*80-120*			

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Louis Roberts
Project Manager

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MWH Americas - Brea
3050 Saturn St., Suite 205
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Attention: Lisa Hall

Project ID: Honeywell, North Hollywood

Report Number: IOB1727

Sampled: 02/22/05
Received: 02/23/05

METHOD BLANK/QC DATA

VOLATILE ORGANICS with MTBE by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 5C01024 Extracted: 03/01/05										
LCS Analyzed: 03/01/2005 (5C01024-BS1)										
Benzene	26.0	0.50	ug/l	25.0		104	70-120			
Bromobenzene	27.0	1.0	ug/l	25.0		108	80-120			
Bromochloromethane	27.5	1.0	ug/l	25.0		110	65-135			
Bromodichloromethane	26.2	1.0	ug/l	25.0		105	70-140			
Bromoform	20.6	1.0	ug/l	25.0		82	55-135			
Bromomethane	29.6	1.0	ug/l	25.0		118	60-140			
n-Butylbenzene	27.2	1.0	ug/l	25.0		109	75-130			
sec-Butylbenzene	25.7	1.0	ug/l	25.0		103	75-125			
tert-Butylbenzene	26.6	1.0	ug/l	25.0		106	75-125			
Carbon tetrachloride	26.9	0.50	ug/l	25.0		108	70-140			
Chlorobenzene	25.4	1.0	ug/l	25.0		102	80-125			
Chloroethane	31.9	1.0	ug/l	25.0		128	60-145			
Chloroform	28.0	1.0	ug/l	25.0		112	75-130			
Chloromethane	27.2	1.0	ug/l	25.0		109	40-145			
2-Chlorotoluene	27.0	1.0	ug/l	25.0		108	75-125			
4-Chlorotoluene	27.2	1.0	ug/l	25.0		109	75-125			
Dibromochloromethane	26.5	1.0	ug/l	25.0		106	65-145			
1,2-Dibromo-3-chloropropane	18.9	5.0	ug/l	25.0		76	50-135			
1,2-Dibromoethane (EDB)	25.1	1.0	ug/l	25.0		100	75-125			
Dibromomethane	24.8	1.0	ug/l	25.0		99	75-130			
1,2-Dichlorobenzene	25.7	1.0	ug/l	25.0		103	80-120			
1,3-Dichlorobenzene	25.7	1.0	ug/l	25.0		103	80-120			
1,4-Dichlorobenzene	25.2	1.0	ug/l	25.0		101	80-120			
Dichlorodifluoromethane	27.0	2.0	ug/l	25.0		108	10-160			
1,1-Dichloroethane	27.9	1.0	ug/l	25.0		112	70-135			
1,2-Dichloroethane	25.6	0.50	ug/l	25.0		102	60-150			
1,1-Dichloroethene	29.0	1.0	ug/l	25.0		116	75-135			
cis-1,2-Dichloroethene	28.7	1.0	ug/l	25.0		115	70-125			
trans-1,2-Dichloroethene	28.4	1.0	ug/l	25.0		114	70-130			
1,2-Dichloropropane	27.8	1.0	ug/l	25.0		111	70-120			
1,3-Dichloropropane	25.8	1.0	ug/l	25.0		103	70-130			
2,2-Dichloropropane	28.2	1.0	ug/l	25.0		113	65-150			
1,1-Dichloropropene	28.4	1.0	ug/l	25.0		114	75-130			
cis-1,3-Dichloropropene	28.1	0.50	ug/l	25.0		112	75-130			
trans-1,3-Dichloropropene	27.0	0.50	ug/l	25.0		108	75-135			

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MWH Americas - Brea
3050 Saturn St., Suite 205
Brea, CA 92821
Attention: Lisa Hall

Project ID: Honeywell, North Hollywood

Report Number: IOB1727

Sampled: 02/22/05
Received: 02/23/05

METHOD BLANK/QC DATA

VOLATILE ORGANICS with MTBE by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 5C01024 Extracted: 03/01/05										
LCS Analyzed: 03/01/2005 (5C01024-BS1)										
Ethylbenzene	27.1	0.50	ug/l	25.0		108	80-120			
Hexachlorobutadiene	25.0	1.0	ug/l	25.0		100	65-140			
Isopropylbenzene	27.8	1.0	ug/l	25.0		111	75-125			
p-Isopropyltoluene	25.4	1.0	ug/l	25.0		102	75-125			
Methylene chloride	28.4	5.0	ug/l	25.0		114	60-135			
Methyl-tert-butyl Ether (MTBE)	25.4	1.0	ug/l	25.0		102	55-145			
Naphthalene	24.5	1.0	ug/l	25.0		98	50-145			
n-Propylbenzene	26.8	1.0	ug/l	25.0		107	75-130			
Styrene	28.3	1.0	ug/l	25.0		113	80-135			
1,1,1,2-Tetrachloroethane	26.9	1.0	ug/l	25.0		108	70-145			
1,1,2,2-Tetrachloroethane	24.8	1.0	ug/l	25.0		99	60-135			
Tetrachloroethene	25.4	1.0	ug/l	25.0		102	75-125			
Toluene	26.6	0.50	ug/l	25.0		106	75-120			
1,2,3-Trichlorobenzene	25.7	1.0	ug/l	25.0		103	65-135			
1,2,4-Trichlorobenzene	27.1	1.0	ug/l	25.0		108	70-140			
1,1,1-Trichloroethane	27.5	1.0	ug/l	25.0		110	75-140			
1,1,2-Trichloroethane	25.6	1.0	ug/l	25.0		102	70-125			
Trichloroethene	26.8	1.0	ug/l	25.0		107	80-120			
Trichlorofluoromethane	24.7	1.0	ug/l	25.0		99	65-145			
1,2,3-Trichloropropane	24.9	1.0	ug/l	25.0		100	60-130			
1,2,4-Trimethylbenzene	26.3	1.0	ug/l	25.0		105	75-125			
1,3,5-Trimethylbenzene	27.5	1.0	ug/l	25.0		110	75-125			
Vinyl chloride	26.8	0.50	ug/l	25.0		107	50-130			
o-Xylene	24.6	0.50	ug/l	25.0		98	75-125			
m,p-Xylenes	48.7	1.0	ug/l	50.0		97	75-120			
Surrogate: Dibromofluoromethane	*27.7*		*ug/l*	*25.0*		*111*	*80-120*			
Surrogate: Toluene-d8	*27.6*		*ug/l*	*25.0*		*110*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*27.2*		*ug/l*	*25.0*		*109*	*80-120*			

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Chris Roberts
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Del Mar Analytical

MWH Americas - Brea
3050 Saturn St., Suite 205
Brea, CA 92821
Attention: Lisa Hall

Project ID: Honeywell, North Hollywood

Report Number: IOB1727

Sampled: 02/22/05
Received: 02/23/05

METHOD BLANK/QC DATA

VOLATILE ORGANICS with MTBE by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 5C01024 Extracted: 03/01/05										
Matrix Spike Analyzed: 03/01/2005 (5C01024-MSI)					**Source: IOB1727-03**					
Benzene	25.0	0.50	ug/l	25.0	ND	100	70-120			
Bromobenzene	25.3	1.0	ug/l	25.0	ND	101	65-130			
Bromochloromethane	25.9	1.0	ug/l	25.0	ND	104	65-140			
Bromodichloromethane	24.3	1.0	ug/l	25.0	ND	97	70-140			
Bromoform	19.4	1.0	ug/l	25.0	ND	78	55-140			
Bromomethane	28.1	1.0	ug/l	25.0	ND	112	50-145			
n-Butylbenzene	25.9	1.0	ug/l	25.0	ND	104	70-140			
sec-Butylbenzene	24.6	1.0	ug/l	25.0	ND	98	70-130			
tert-Butylbenzene	25.3	1.0	ug/l	25.0	ND	101	70-130			
Carbon tetrachloride	25.7	0.50	ug/l	25.0	0.34	101	70-145			
Chlorobenzene	24.1	1.0	ug/l	25.0	ND	96	80-125			
Chloroethane	29.7	1.0	ug/l	25.0	ND	119	50-145			
Chloroform	27.0	1.0	ug/l	25.0	0.59	106	70-135			
Chloromethane	24.3	1.0	ug/l	25.0	ND	97	35-145			
2-Chlorotoluene	25.5	1.0	ug/l	25.0	ND	102	70-140			
4-Chlorotoluene	25.4	1.0	ug/l	25.0	ND	102	70-140			
Dibromochloromethane	24.9	1.0	ug/l	25.0	ND	100	65-145			
1,2-Dibromo-3-chloropropane	18.3	5.0	ug/l	25.0	ND	73	45-155			
1,2-Dibromoethane (EDB)	24.1	1.0	ug/l	25.0	ND	96	70-130			
Dibromomethane	23.8	1.0	ug/l	25.0	ND	95	65-140			
1,2-Dichlorobenzene	24.1	1.0	ug/l	25.0	ND	96	75-130			
1,3-Dichlorobenzene	23.8	1.0	ug/l	25.0	ND	95	75-130			
1,4-Dichlorobenzene	23.9	1.0	ug/l	25.0	ND	96	80-120			
Dichlorodifluoromethane	29.4	2.0	ug/l	25.0	4.6	99	10-160			
1,1-Dichloroethane	28.2	1.0	ug/l	25.0	1.9	105	65-135			
1,2-Dichloroethane	24.8	0.50	ug/l	25.0	0.64	97	60-150			
1,1-Dichloroethene	27.8	1.0	ug/l	25.0	0.35	110	65-140			
cis-1,2-Dichloroethene	39.0	1.0	ug/l	25.0	14	100	65-130			
trans-1,2-Dichloroethene	26.8	1.0	ug/l	25.0	ND	107	65-135			
1,2-Dichloropropane	26.1	1.0	ug/l	25.0	ND	104	65-130			
1,3-Dichloropropane	24.6	1.0	ug/l	25.0	ND	98	65-140			
2,2-Dichloropropane	26.4	1.0	ug/l	25.0	ND	106	60-150			
1,1-Dichloropropene	26.8	1.0	ug/l	25.0	ND	107	65-140			
cis-1,3-Dichloropropene	26.4	0.50	ug/l	25.0	ND	106	70-140			
trans-1,3-Dichloropropene	25.7	0.50	ug/l	25.0	ND	103	70-140			

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MWH Americas - Brea
3050 Saturn St., Suite 205
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Attention: Lisa Hall

Project ID: Honeywell, North Hollywood

Report Number: IOB1727

Sampled: 02/22/05
Received: 02/23/05

METHOD BLANK/QC DATA

VOLATILE ORGANICS with MTBE by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 5C01024 Extracted: 03/01/05										
Matrix Spike Analyzed: 03/01/2005 (5C01024-MS1)					**Source: IOB1727-03**					
Ethylbenzene	26.0	0.50	ug/l	25.0	ND	104	70-130			
Hexachlorobutadiene	23.5	1.0	ug/l	25.0	ND	94	65-140			
Isopropylbenzene	26.1	1.0	ug/l	25.0	ND	104	70-130			
p-Isopropyltoluene	24.0	1.0	ug/l	25.0	ND	96	70-130			
Methylene chloride	26.7	5.0	ug/l	25.0	ND	107	60-135			
Methyl-tert-butyl Ether (MTBE)	24.3	1.0	ug/l	25.0	ND	97	50-155			
Naphthalene	22.8	1.0	ug/l	25.0	ND	91	50-150			
n-Propylbenzene	25.3	1.0	ug/l	25.0	ND	101	70-135			
Styrene	24.6	1.0	ug/l	25.0	ND	98	55-145			
1,1,1,2-Tetrachloroethane	25.6	1.0	ug/l	25.0	ND	102	70-145			
1,1,2,2-Tetrachloroethane	24.0	1.0	ug/l	25.0	ND	96	60-145			
Tetrachloroethene	32.4	1.0	ug/l	25.0	9.5	92	70-130			
Toluene	25.3	0.50	ug/l	25.0	ND	101	70-120			
1,2,3-Trichlorobenzene	24.3	1.0	ug/l	25.0	ND	97	60-140			
1,2,4-Trichlorobenzene	24.9	1.0	ug/l	25.0	ND	100	60-140			
1,1,1-Trichloroethane	26.5	1.0	ug/l	25.0	ND	106	75-140			
1,1,2-Trichloroethane	24.7	1.0	ug/l	25.0	ND	99	60-135			
Trichloroethene	39.3	1.0	ug/l	25.0	17	89	70-125			
Trichlorofluoromethane	23.7	1.0	ug/l	25.0	ND	95	55-145			
1,2,3-Trichloropropane	23.7	1.0	ug/l	25.0	ND	95	55-140			
1,2,4-Trimethylbenzene	23.9	1.0	ug/l	25.0	ND	96	60-125			
1,3,5-Trimethylbenzene	26.1	1.0	ug/l	25.0	ND	104	70-130			
Vinyl chloride	24.8	0.50	ug/l	25.0	ND	99	40-135			
o-Xylene	23.4	0.50	ug/l	25.0	ND	94	65-125			
m,p-Xylenes	46.8	1.0	ug/l	50.0	ND	94	65-130			
Surrogate: Dibromofluoromethane	*27.0*		*ug/l*	*25.0*		*108*	*80-120*			
Surrogate: Toluene-d8	*27.1*		*ug/l*	*25.0*		*108*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*26.3*		*ug/l*	*25.0*		*105*	*80-120*			

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Attention: Lisa Hall

Project ID: Honeywell, North Hollywood

Report Number: IOB1727

Sampled: 02/22/05
Received: 02/23/05

METHOD BLANK/QC DATA

VOLATILE ORGANICS with MTBE by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 5C01024 Extracted: 03/01/05										
Matrix Spike Dup Analyzed: 03/01/2005 (5C01024-MSD1)					**Source: IOB1727-03**					
Benzene	25.8	0.50	ug/l	25.0	ND	103	70-120	3	20	
Bromobenzene	25.7	1.0	ug/l	25.0	ND	103	65-130	2	20	
Bromochloromethane	25.0	1.0	ug/l	25.0	ND	100	65-140	4	25	
Bromodichloromethane	25.6	1.0	ug/l	25.0	ND	102	70-140	5	20	
Bromoform	20.7	1.0	ug/l	25.0	ND	83	55-140	6	25	
Bromomethane	26.1	1.0	ug/l	25.0	ND	104	50-145	7	25	
n-Butylbenzene	26.0	1.0	ug/l	25.0	ND	104	70-140	0	20	
sec-Butylbenzene	24.8	1.0	ug/l	25.0	ND	99	70-130	1	20	
tert-Butylbenzene	25.6	1.0	ug/l	25.0	ND	102	70-130	1	20	
Carbon tetrachloride	27.2	0.50	ug/l	25.0	0.34	107	70-145	6	25	
Chlorobenzene	24.5	1.0	ug/l	25.0	ND	98	80-125	2	20	
Chloroethane	28.4	1.0	ug/l	25.0	ND	114	50-145	4	25	
Chloroform	27.5	1.0	ug/l	25.0	0.59	108	70-135	2	20	
Chloromethane	24.3	1.0	ug/l	25.0	ND	97	35-145	0	25	
2-Chlorotoluene	25.4	1.0	ug/l	25.0	ND	102	70-140	0	20	
4-Chlorotoluene	25.8	1.0	ug/l	25.0	ND	103	70-140	2	20	
Dibromochloromethane	25.8	1.0	ug/l	25.0	ND	103	65-145	4	25	
1,2-Dibromo-3-chloropropane	19.9	5.0	ug/l	25.0	ND	80	45-155	8	30	
1,2-Dibromoethane (EDB)	25.0	1.0	ug/l	25.0	ND	100	70-130	4	25	
Dibromomethane	24.8	1.0	ug/l	25.0	ND	99	65-140	4	25	
1,2-Dichlorobenzene	24.9	1.0	ug/l	25.0	ND	100	75-130	3	20	
1,3-Dichlorobenzene	24.4	1.0	ug/l	25.0	ND	98	75-130	2	20	
1,4-Dichlorobenzene	24.2	1.0	ug/l	25.0	ND	97	80-120	1	20	
Dichlorodifluoromethane	27.6	2.0	ug/l	25.0	4.6	92	10-160	6	30	
1,1-Dichloroethane	28.6	1.0	ug/l	25.0	1.9	107	65-135	1	20	
1,2-Dichloroethane	25.8	0.50	ug/l	25.0	0.64	101	60-150	4	20	
1,1-Dichloroethene	27.9	1.0	ug/l	25.0	0.35	110	65-140	0	20	
cis-1,2-Dichloroethene	38.8	1.0	ug/l	25.0	14	99	65-130	1	20	
trans-1,2-Dichloroethene	27.6	1.0	ug/l	25.0	ND	110	65-135	3	20	
1,2-Dichloropropane	27.3	1.0	ug/l	25.0	ND	109	65-130	4	20	
1,3-Dichloropropane	25.6	1.0	ug/l	25.0	ND	102	65-140	4	25	
2,2-Dichloropropane	26.6	1.0	ug/l	25.0	ND	106	60-150	1	25	
1,1-Dichloropropene	27.8	1.0	ug/l	25.0	ND	111	65-140	4	20	
cis-1,3-Dichloropropene	27.8	0.50	ug/l	25.0	ND	111	70-140	5	20	
trans-1,3-Dichloropropene	27.0	0.50	ug/l	25.0	ND	108	70-140	5	25	

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MWH Americas - Brea
3050 Saturn St., Suite 205
Brea, CA 92821
Attention: Lisa Hall

Project ID: Honeywell, North Hollywood

Report Number: IOB1727

Sampled: 02/22/05
Received: 02/23/05

METHOD BLANK/QC DATA

VOLATILE ORGANICS with MTBE by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 5C01024 Extracted: 03/01/05										
Matrix Spike Dup Analyzed: 03/01/2005 (5C01024-MSD1)					**Source: IOB1727-03**					
Ethylbenzene	26.2	0.50	ug/l	25.0	ND	105	70-130	1	20	
Hexachlorobutadiene	24.4	1.0	ug/l	25.0	ND	98	65-140	4	20	
Isopropylbenzene	26.6	1.0	ug/l	25.0	ND	106	70-130	2	20	
p-Isopropyltoluene	23.9	1.0	ug/l	25.0	ND	96	70-130	0	20	
Methylene chloride	27.8	5.0	ug/l	25.0	ND	111	60-135	4	20	
Methyl-tert-butyl Ether (MTBE)	25.9	1.0	ug/l	25.0	ND	104	50-155	6	25	
Naphthalene	24.1	1.0	ug/l	25.0	ND	96	50-150	6	30	
n-Propylbenzene	25.3	1.0	ug/l	25.0	ND	101	70-135	0	20	
Styrene	20.8	1.0	ug/l	25.0	ND	83	55-145	17	30	
1,1,1,2-Tetrachloroethane	26.0	1.0	ug/l	25.0	ND	104	70-145	2	20	
1,1,2,2-Tetrachloroethane	25.1	1.0	ug/l	25.0	ND	100	60-145	4	30	
Tetrachloroethene	32.5	1.0	ug/l	25.0	9.5	92	70-130	0	20	
Toluene	26.3	0.50	ug/l	25.0	ND	105	70-120	4	20	
1,2,3-Trichlorobenzene	25.2	1.0	ug/l	25.0	ND	101	60-140	4	20	
1,2,4-Trichlorobenzene	26.0	1.0	ug/l	25.0	ND	104	60-140	4	20	
1,1,1-Trichloroethane	27.1	1.0	ug/l	25.0	ND	108	75-140	2	20	
1,1,2-Trichloroethane	25.7	1.0	ug/l	25.0	ND	103	60-135	4	25	
Trichloroethene	39.8	1.0	ug/l	25.0	17	91	70-125	1	20	
Trichlorofluoromethane	26.7	1.0	ug/l	25.0	ND	107	55-145	12	25	
1,2,3-Trichloropropane	25.0	1.0	ug/l	25.0	ND	100	55-140	5	30	
1,2,4-Trimethylbenzene	22.0	1.0	ug/l	25.0	ND	88	60-125	8	25	
1,3,5-Trimethylbenzene	25.5	1.0	ug/l	25.0	ND	102	70-130	2	20	
Vinyl chloride	26.0	0.50	ug/l	25.0	ND	104	40-135	5	30	
o-Xylene	23.7	0.50	ug/l	25.0	ND	95	65-125	1	20	
m,p-Xylenes	47.0	1.0	ug/l	50.0	ND	94	65-130	0	25	
Surrogate: Dibromofluoromethane	*26.9*		*ug/l*	*25.0*		*108*	*80-120*			
Surrogate: Toluene-d8	*27.0*		*ug/l*	*25.0*		*108*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*26.3*		*ug/l*	*25.0*		*105*	*80-120*			

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Lis Roberts
Project Manager

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MWH Americas - Brea
3050 Saturn St., Suite 205
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Attention: Lisa Hall

Project ID: Honeywell, North Hollywood

Report Number: IOB1727

Sampled: 02/22/05
Received: 02/23/05

METHOD BLANK/QC DATA

VOLATILE ORGANICS with MTBE by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 5C03016 Extracted: 03/03/05										
Blank Analyzed: 03/03/2005 (5C03016-BLK1)										
Benzene	ND	0.50	ug/l							
Bromobenzene	ND	1.0	ug/l							
Bromochloromethane	ND	1.0	ug/l							
Bromodichloromethane	ND	1.0	ug/l							
Bromoform	ND	1.0	ug/l							
Bromomethane	ND	1.0	ug/l							
n-Butylbenzene	ND	1.0	ug/l							
sec-Butylbenzene	ND	1.0	ug/l							
tert-Butylbenzene	ND	1.0	ug/l							
Carbon tetrachloride	ND	0.50	ug/l							
Chlorobenzene	ND	1.0	ug/l							
Chloroethane	ND	1.0	ug/l							
Chloroform	ND	1.0	ug/l							
Chloromethane	ND	1.0	ug/l							
2-Chlorotoluene	ND	1.0	ug/l							
4-Chlorotoluene	ND	1.0	ug/l							
Dibromochloromethane	ND	1.0	ug/l							
1,2-Dibromo-3-chloropropane	ND	5.0	ug/l							
1,2-Dibromoethane (EDB)	ND	1.0	ug/l							
Dibromomethane	ND	1.0	ug/l							
1,2-Dichlorobenzene	ND	1.0	ug/l							
1,3-Dichlorobenzene	ND	1.0	ug/l							
1,4-Dichlorobenzene	ND	1.0	ug/l							
Dichlorodifluoromethane	ND	2.0	ug/l							
1,1-Dichloroethane	ND	1.0	ug/l							
1,2-Dichloroethane	ND	0.50	ug/l							
1,1-Dichloroethene	ND	1.0	ug/l							
cis-1,2-Dichloroethene	ND	1.0	ug/l							
trans-1,2-Dichloroethene	ND	1.0	ug/l							
1,2-Dichloropropane	ND	1.0	ug/l							
1,3-Dichloropropane	ND	1.0	ug/l							
2,2-Dichloropropane	ND	1.0	ug/l							
1,1-Dichloropropene	ND	1.0	ug/l							
cis-1,3-Dichloropropene	ND	0.50	ug/l							
trans-1,3-Dichloropropene	ND	0.50	ug/l							

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VOLATILE ORGANICS with MTBE by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 5C03016 Extracted: 03/03/05										
Blank Analyzed: 03/03/2005 (5C03016-BLK1)										
Ethylbenzene	ND	0.50	ug/l							
Hexachlorobutadiene	ND	1.0	ug/l							
Isopropylbenzene	ND	1.0	ug/l							
p-Isopropyltoluene	ND	1.0	ug/l							
Methylene chloride	ND	5.0	ug/l							
Methyl-tert-butyl Ether (MTBE)	ND	1.0	ug/l							
Naphthalene	ND	1.0	ug/l							
n-Propylbenzene	ND	1.0	ug/l							
Styrene	ND	1.0	ug/l							
1,1,1,2-Tetrachloroethane	ND	1.0	ug/l							
1,1,2,2-Tetrachloroethane	ND	1.0	ug/l							
Tetrachloroethene	ND	1.0	ug/l							
Toluene	ND	1.0	ug/l							
1,2,3-Trichlorobenzene	ND	0.50	ug/l							
1,2,4-Trichlorobenzene	ND	1.0	ug/l							
1,1,1-Trichloroethane	ND	1.0	ug/l							
1,1,2-Trichloroethane	ND	1.0	ug/l							
Trichloroethene	ND	1.0	ug/l							
Trichlorofluoromethane	ND	1.0	ug/l							
1,2,3-Trichloropropane	ND	1.0	ug/l							
1,2,4-Trimethylbenzene	ND	1.0	ug/l							
1,3,5-Trimethylbenzene	ND	1.0	ug/l							
Vinyl chloride	ND	1.0	ug/l							
o-Xylene	ND	0.50	ug/l							
m,p-Xylenes	ND	0.50	ug/l							
Surrogate: Dibromofluoromethane	*28.1*	1.0	ug/l	*25.0*		*112*	*80-120*			
Surrogate: Toluene-d8	*26.0*		ug/l	*25.0*		*104*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*27.2*		ug/l	*25.0*		*109*	*80-120*			

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MWH Americas - Brea 3050 Saturn St., Suite 205 Brea, CA 92821 Attention: Lisa Hall	Project ID: Honeywell, North Hollywood Report Number: IOB1727	Sampled: 02/22/05 Received: 02/23/05

METHOD BLANK/QC DATA

VOLATILE ORGANICS with MTBE by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 5C03016 Extracted: 03/03/05										
LCS Analyzed: 03/03/2005 (5C03016-BS1)										
Benzene	25.8	0.50	ug/l	25.0		103	70-120			
Bromobenzene	26.2	1.0	ug/l	25.0		105	80-120			
Bromochloromethane	25.1	1.0	ug/l	25.0		100	65-135			
Bromodichloromethane	29.0	1.0	ug/l	25.0		116	70-140			
Bromoform	27.7	1.0	ug/l	25.0		111	55-135			
Bromomethane	24.5	1.0	ug/l	25.0		98	60-140			
n-Butylbenzene	29.1	1.0	ug/l	25.0		116	75-130			
sec-Butylbenzene	27.8	1.0	ug/l	25.0		111	75-125			
tert-Butylbenzene	27.6	1.0	ug/l	25.0		110	75-125			
Carbon tetrachloride	31.6	0.50	ug/l	25.0		126	70-140			
Chlorobenzene	26.1	1.0	ug/l	25.0		104	80-125			
Chloroethane	24.3	1.0	ug/l	25.0		97	60-145			
Chloroform	27.4	1.0	ug/l	25.0		110	75-130			
Chloromethane	23.4	1.0	ug/l	25.0		94	40-145			
2-Chlorotoluene	26.4	1.0	ug/l	25.0		106	75-125			
4-Chlorotoluene	27.5	1.0	ug/l	25.0		110	75-125			
Dibromochloromethane	29.9	1.0	ug/l	25.0		120	65-145			
1,2-Dibromo-3-chloropropane	29.7	5.0	ug/l	25.0		119	50-135			
1,2-Dibromoethane (EDB)	28.0	1.0	ug/l	25.0		112	75-125			
Dibromomethane	29.9	1.0	ug/l	25.0		120	75-130			
1,2-Dichlorobenzene	27.3	1.0	ug/l	25.0		109	80-120			
1,3-Dichlorobenzene	26.2	1.0	ug/l	25.0		105	80-120			
1,4-Dichlorobenzene	26.5	1.0	ug/l	25.0		106	80-120			
Dichlorodifluoromethane	26.0	2.0	ug/l	25.0		104	10-160			
1,1-Dichloroethane	25.4	1.0	ug/l	25.0		102	70-135			
1,2-Dichloroethane	33.6	0.50	ug/l	25.0		134	60-150			
1,1-Dichloroethene	24.5	1.0	ug/l	25.0		98	75-135			
cis-1,2-Dichloroethene	24.1	1.0	ug/l	25.0		96	70-125			
trans-1,2-Dichloroethene	24.5	1.0	ug/l	25.0		98	70-130			
1,2-Dichloropropane	25.3	1.0	ug/l	25.0		101	70-120			
1,3-Dichloropropane	27.7	1.0	ug/l	25.0		111	70-130			
2,2-Dichloropropane	30.4	1.0	ug/l	25.0		122	65-150			
1,1-Dichloropropene	27.6	1.0	ug/l	25.0		110	75-130			
cis-1,3-Dichloropropene	28.0	0.50	ug/l	25.0		112	75-130			
trans-1,3-Dichloropropene	30.1	0.50	ug/l	25.0		120	75-135			

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Report Number: IOB1727

Sampled: 02/22/05
Received: 02/23/05

METHOD BLANK/QC DATA

VOLATILE ORGANICS with MTBE by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 5C03016 Extracted: 03/03/05										
LCS Analyzed: 03/03/2005 (5C03016-BS1)										
Ethylbenzene	29.1	0.50	ug/l	25.0		116	80-120			
Hexachlorobutadiene	26.6	1.0	ug/l	25.0		106	65-140			
Isopropylbenzene	27.8	1.0	ug/l	25.0		111	75-125			
p-Isopropyltoluene	27.4	1.0	ug/l	25.0		110	75-125			
Methylene chloride	23.3	5.0	ug/l	25.0		93	60-135			
Methyl-tert-butyl Ether (MTBE)	28.7	1.0	ug/l	25.0		115	55-145			
Naphthalene	27.9	1.0	ug/l	25.0		112	50-145			
n-Propylbenzene	28.1	1.0	ug/l	25.0		112	75-130			
Styrene	29.9	1.0	ug/l	25.0		120	80-135			
1,1,1,2-Tetrachloroethane	27.9	1.0	ug/l	25.0		112	70-145			
1,1,2,2-Tetrachloroethane	25.6	1.0	ug/l	25.0		102	60-135			
Tetrachloroethene	25.5	1.0	ug/l	25.0		102	75-125			
Toluene	26.6	0.50	ug/l	25.0		106	75-120			
1,2,3-Trichlorobenzene	26.9	1.0	ug/l	25.0		108	65-135			
1,2,4-Trichlorobenzene	27.9	1.0	ug/l	25.0		112	70-140			
1,1,1-Trichloroethane	29.8	1.0	ug/l	25.0		119	75-140			
1,1,2-Trichloroethane	25.2	1.0	ug/l	25.0		101	70-125			
Trichloroethene	26.3	1.0	ug/l	25.0		105	80-120			
Trichlorofluoromethane	30.2	1.0	ug/l	25.0		121	65-145			
1,2,3-Trichloropropane	25.8	1.0	ug/l	25.0		103	60-130			
1,2,4-Trimethylbenzene	28.4	1.0	ug/l	25.0		114	75-125			
1,3,5-Trimethylbenzene	28.7	1.0	ug/l	25.0		115	75-125			
Vinyl chloride	24.0	0.50	ug/l	25.0		96	50-130			
o-Xylene	27.7	0.50	ug/l	25.0		111	75-125			
m,p-Xylenes	55.6	1.0	ug/l	50.0		111	75-120			
Surrogate: Dibromofluoromethane	*27.1*		*ug/l*	*25.0*		*108*	*80-120*			
Surrogate: Toluene-d8	*26.7*		*ug/l*	*25.0*		*107*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*29.4*		*ug/l*	*25.0*		*118*	*80-120*			

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Report Number: IOB1727

Sampled: 02/22/05
Received: 02/23/05

METHOD BLANK/QC DATA

VOLATILE ORGANICS with MTBE by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 5C03016 Extracted: 03/03/05										
Matrix Spike Analyzed: 03/03/2005 (5C03016-MS1)					**Source: IOB1727-01**					
Benzene	26.2	0.50	ug/l	25.0	ND	105	70-120			
Bromobenzene	26.5	1.0	ug/l	25.0	ND	106	65-130			
Bromochloromethane	26.9	1.0	ug/l	25.0	ND	108	65-140			
Bromodichloromethane	29.1	1.0	ug/l	25.0	ND	116	70-140			
Bromoform	29.0	1.0	ug/l	25.0	ND	116	55-140			
Bromomethane	24.7	1.0	ug/l	25.0	ND	99	50-145			
n-Butylbenzene	28.4	1.0	ug/l	25.0	ND	114	70-140			
sec-Butylbenzene	27.8	1.0	ug/l	25.0	ND	111	70-130			
tert-Butylbenzene	27.6	1.0	ug/l	25.0	ND	110	70-130			
Carbon tetrachloride	30.9	0.50	ug/l	25.0	ND	124	70-145			
Chlorobenzene	26.5	1.0	ug/l	25.0	ND	106	80-125			
Chloroethane	24.5	1.0	ug/l	25.0	ND	98	50-145			
Chloroform	28.5	1.0	ug/l	25.0	0.42	112	70-135			
Chloromethane	23.6	1.0	ug/l	25.0	ND	94	35-145			
2-Chlorotoluene	26.8	1.0	ug/l	25.0	ND	107	70-140			
4-Chlorotoluene	27.3	1.0	ug/l	25.0	ND	109	70-140			
Dibromochloromethane	30.8	1.0	ug/l	25.0	ND	123	65-145			
1,2-Dibromo-3-chloropropane	33.3	5.0	ug/l	25.0	ND	133	45-155			
1,2-Dibromoethane (EDB)	30.5	1.0	ug/l	25.0	ND	122	70-130			
Dibromomethane	30.5	1.0	ug/l	25.0	ND	122	65-140			
1,2-Dichlorobenzene	27.7	1.0	ug/l	25.0	ND	111	75-130			
1,3-Dichlorobenzene	26.8	1.0	ug/l	25.0	ND	107	75-130			
1,4-Dichlorobenzene	27.0	1.0	ug/l	25.0	ND	108	80-120			
Dichlorodifluoromethane	36.9	2.0	ug/l	25.0	14	92	10-160			
1,1-Dichloroethane	30.1	1.0	ug/l	25.0	4.8	101	65-135			
1,2-Dichloroethane	35.0	0.50	ug/l	25.0	1.3	135	60-150			
1,1-Dichloroethene	24.6	1.0	ug/l	25.0	ND	98	65-140			
cis-1,2-Dichloroethene	48.5	1.0	ug/l	25.0	28	82	65-130			
trans-1,2-Dichloroethene	25.8	1.0	ug/l	25.0	ND	103	65-135			
1,2-Dichloropropane	26.0	1.0	ug/l	25.0	0.55	102	65-130			
1,3-Dichloropropane	29.0	1.0	ug/l	25.0	ND	116	65-140			
2,2-Dichloropropane	30.7	1.0	ug/l	25.0	ND	123	60-150			
1,1-Dichloropropene	27.6	1.0	ug/l	25.0	ND	110	65-140			
cis-1,3-Dichloropropene	28.6	0.50	ug/l	25.0	ND	114	70-140			
trans-1,3-Dichloropropene	30.7	0.50	ug/l	25.0	ND	123	70-140			

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WH Americas - Brea
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Attention: Lisa Hall

Project ID: Honeywell, North Hollywood

Report Number: IOB1727

Sampled: 02/22/05
Received: 02/23/05

METHOD BLANK/QC DATA

VOLATILE ORGANICS with MTBE by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 5C03016 Extracted: 03/03/05										
Matrix Spike Analyzed: 03/03/2005 (5C03016-MS1)					**Source: IOB1727-01**					
Ethylbenzene	29.2	0.50	ug/l	25.0	ND	117	70-130			
Hexachlorobutadiene	25.3	1.0	ug/l	25.0	ND	101	65-140			
Isopropylbenzene	28.3	1.0	ug/l	25.0	ND	113	70-130			
p-Isopropyltoluene	27.7	1.0	ug/l	25.0	ND	111	70-130			
Methylene chloride	23.8	5.0	ug/l	25.0	ND	95	60-135			
Methyl-tert-butyl Ether (MTBE)	31.0	1.0	ug/l	25.0	ND	124	50-155			
Naphthalene	31.2	1.0	ug/l	25.0	ND	125	50-150			
n-Propylbenzene	28.3	1.0	ug/l	25.0	ND	113	70-135			
Styrene	29.4	1.0	ug/l	25.0	ND	118	55-145			
1,1,1,2-Tetrachloroethane	27.9	1.0	ug/l	25.0	ND	112	70-145			
,2-Tetrachloroethane	29.6	1.0	ug/l	25.0	ND	118	60-145			
rachloroethene	40.9	1.0	ug/l	25.0	17	96	70-130			
Toluene	26.4	0.50	ug/l	25.0	ND	106	70-120			
1,2,3-Trichlorobenzene	27.6	1.0	ug/l	25.0	ND	110	60-140			
1,2,4-Trichlorobenzene	27.5	1.0	ug/l	25.0	ND	110	60-140			
1,1,1-Trichloroethane	29.1	1.0	ug/l	25.0	ND	116	75-140			
1,1,2-Trichloroethane	26.7	1.0	ug/l	25.0	ND	107	60-135			
Trichloroethene	35.3	1.0	ug/l	25.0	11	97	70-125			
Trichlorofluoromethane	29.3	1.0	ug/l	25.0	ND	117	55-145			
1,2,3-Trichloropropane	28.8	1.0	ug/l	25.0	ND	115	55-140			
1,2,4-Trimethylbenzene	28.1	1.0	ug/l	25.0	ND	112	60-125			
1,3,5-Trimethylbenzene	28.6	1.0	ug/l	25.0	ND	114	70-130			
Vinyl chloride	25.3	0.50	ug/l	25.0	ND	101	40-135			
o-Xylene	27.6	0.50	ug/l	25.0	ND	110	65-125			
m,p-Xylenes	55.4	1.0	ug/l	50.0	ND	111	65-130			
Surrogate: Dibromofluoromethane	*27.6*		*ug/l*	*25.0*		*110*	*80-120*			
Surrogate: Toluene-d8	*26.7*		*ug/l*	*25.0*		*107*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*28.4*		*ug/l*	*25.0*		*114*	*80-120*			

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Project ID: Honeywell, North Hollywood
Report Number: IOB1727

Sampled: 02/22/05
Received: 02/23/05

METHOD BLANK/QC DATA

VOLATILE ORGANICS with MTBE by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 5C03016 Extracted: 03/03/05										
Matrix Spike Dup Analyzed: 03/03/2005 (5C03016-MSD1)					**Source: IOB1727-01**					
Benzene	26.6	0.50	ug/l	25.0	ND	106	70-120	2	20	
Bromobenzene	26.2	1.0	ug/l	25.0	ND	105	65-130	1	20	
Bromochloromethane	24.8	1.0	ug/l	25.0	ND	99	65-140	8	25	
Bromodichloromethane	27.3	1.0	ug/l	25.0	ND	109	70-140	6	20	
Bromoform	21.9	1.0	ug/l	25.0	ND	88	55-140	28	25	*R*
Bromomethane	26.2	1.0	ug/l	25.0	ND	105	50-145	6	25	
n-Butylbenzene	28.7	1.0	ug/l	25.0	ND	115	70-140	1	20	
sec-Butylbenzene	28.6	1.0	ug/l	25.0	ND	114	70-130	3	20	
tert-Butylbenzene	28.4	1.0	ug/l	25.0	ND	114	70-130	3	20	
Carbon tetrachloride	30.6	0.50	ug/l	25.0	ND	122	70-145	1	25	
Chlorobenzene	26.5	1.0	ug/l	25.0	ND	106	80-125	0	20	
Chloroethane	26.0	1.0	ug/l	25.0	ND	104	50-145	6	25	
Chloroform	28.2	1.0	ug/l	25.0	0.42	111	70-135	1	20	
Chloromethane	24.7	1.0	ug/l	25.0	ND	99	35-145	5	25	
2-Chlorotoluene	27.3	1.0	ug/l	25.0	ND	109	70-140	2	20	
4-Chlorotoluene	27.7	1.0	ug/l	25.0	ND	111	70-140	1	20	
Dibromochloromethane	26.7	1.0	ug/l	25.0	ND	107	65-145	14	25	
1,2-Dibromo-3-chloropropane	21.4	5.0	ug/l	25.0	ND	86	45-155	44	30	*R*
1,2-Dibromoethane (EDB)	24.7	1.0	ug/l	25.0	ND	99	70-130	21	25	
Dibromomethane	25.4	1.0	ug/l	25.0	ND	102	65-140	18	25	
1,2-Dichlorobenzene	26.2	1.0	ug/l	25.0	ND	105	75-130	6	20	
1,3-Dichlorobenzene	26.3	1.0	ug/l	25.0	ND	105	75-130	2	20	
1,4-Dichlorobenzene	26.6	1.0	ug/l	25.0	ND	106	80-120	1	20	
Dichlorodifluoromethane	38.8	2.0	ug/l	25.0	14	99	10-160	5	30	
1,1-Dichloroethane	30.8	1.0	ug/l	25.0	4.8	104	65-135	2	20	
1,2-Dichloroethane	30.2	0.50	ug/l	25.0	1.3	116	60-150	15	20	
1,1-Dichloroethene	26.1	1.0	ug/l	25.0	ND	104	65-140	6	20	
cis-1,2-Dichloroethene	49.8	1.0	ug/l	25.0	28	87	65-130	3	20	
trans-1,2-Dichloroethene	26.1	1.0	ug/l	25.0	ND	104	65-135	1	20	
1,2-Dichloropropane	25.3	1.0	ug/l	25.0	0.55	99	65-130	3	20	
1,3-Dichloropropane	24.2	1.0	ug/l	25.0	ND	97	65-140	18	25	
2,2-Dichloropropane	31.1	1.0	ug/l	25.0	ND	124	60-150	1	25	
1,1-Dichloropropene	27.7	1.0	ug/l	25.0	ND	111	65-140	0	20	
cis-1,3-Dichloropropene	26.3	0.50	ug/l	25.0	ND	105	70-140	8	20	
trans-1,3-Dichloropropene	26.7	0.50	ug/l	25.0	ND	107	70-140	14	25	

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Report Number: IOB1727

Sampled: 02/22/05
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METHOD BLANK/QC DATA

VOLATILE ORGANICS with MTBE by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 5C03016 Extracted: 03/03/05										
Matrix Spike Dup Analyzed: 03/03/2005 (5C03016-MSD1)					**Source: IOB1727-01**					
Ethylbenzene	29.3	0.50	ug/l	25.0	ND	117	70-130	0	20	
Hexachlorobutadiene	25.0	1.0	ug/l	25.0	ND	100	65-140	1	20	
Isopropylbenzene	28.4	1.0	ug/l	25.0	ND	114	70-130	0	20	
p-Isopropyltoluene	28.2	1.0	ug/l	25.0	ND	113	70-130	2	20	
Methylene chloride	24.0	5.0	ug/l	25.0	ND	96	60-135	1	20	
Methyl-tert-butyl Ether (MTBE)	24.2	1.0	ug/l	25.0	ND	97	50-155	25	25	
Naphthalene	22.9	1.0	ug/l	25.0	ND	92	50-150	31	30	R
n-Propylbenzene	28.6	1.0	ug/l	25.0	ND	114	70-135	1	20	
Styrene	29.3	1.0	ug/l	25.0	ND	117	55-145	0	30	
1,1,1,2-Tetrachloroethane	27.2	1.0	ug/l	25.0	ND	109	70-145	3	20	
1,1,2,2-Tetrachloroethane	21.0	1.0	ug/l	25.0	ND	84	60-145	34	30	R
Tetrachloroethene	41.8	1.0	ug/l	25.0	17	99	70-130	2	20	
Toluene	26.3	0.50	ug/l	25.0	ND	105	70-120	0	20	
1,2,3-Trichlorobenzene	23.8	1.0	ug/l	25.0	ND	95	60-140	15	20	
1,2,4-Trichlorobenzene	25.5	1.0	ug/l	25.0	ND	102	60-140	8	20	
1,1,1-Trichloroethane	29.5	1.0	ug/l	25.0	ND	118	75-140	1	20	
1,1,2-Trichloroethane	22.4	1.0	ug/l	25.0	ND	90	60-135	18	25	
Trichloroethene	35.9	1.0	ug/l	25.0	11	100	70-125	2	20	
Trichlorofluoromethane	30.1	1.0	ug/l	25.0	ND	120	55-145	3	25	
1,2,3-Trichloropropane	20.8	1.0	ug/l	25.0	ND	83	55-140	32	30	R
1,2,4-Trimethylbenzene	28.8	1.0	ug/l	25.0	ND	115	60-125	2	25	
1,3,5-Trimethylbenzene	29.5	1.0	ug/l	25.0	ND	118	70-130	3	20	
Vinyl chloride	26.5	0.50	ug/l	25.0	ND	106	40-135	5	30	
o-Xylene	27.6	0.50	ug/l	25.0	ND	110	65-125	0	20	
m,p-Xylenes	56.2	1.0	ug/l	50.0	ND	112	65-130	1	25	
Surrogate: Dibromofluoromethane	*26.5*		*ug/l*	*25.0*		*106*	*80-120*			
Surrogate: Toluene-d8	*26.4*		*ug/l*	*25.0*		*106*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*28.1*		*ug/l*	*25.0*		*112*	*80-120*			

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Attention: Lisa Hall

Project ID: Honeywell, North Hollywood

Report Number: IOB1727

Sampled: 02/22/05
Received: 02/23/05

METHOD BLANK/QC DATA

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3520C/8270C MOD)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 5B24040 Extracted: 02/24/05										
Blank Analyzed: 02/25/2005 (5B24040-BLK1)										
1,4-Dioxane	ND	1.0	ug/l							
Surrogate: 1,4-Dioxane-d8	*1.06*		*ug/l*	*2.00*		*53*	*35-120*			
LCS Analyzed: 02/25/2005 (5B24040-BS1)										
1,4-Dioxane	1.16	1.0	ug/l	2.00		58	35-120			
Surrogate: 1,4-Dioxane-d8	*1.05*		*ug/l*	*2.00*		*52*	*35-120*			
Matrix Spike Analyzed: 02/25/2005 (5B24040-MS1)					**Source: IOB1817-04**					
1,4-Dioxane	7.74	2.0	ug/l	4.00	5.4	58	35-120			
Surrogate: 1,4-Dioxane-d8	*2.19*		*ug/l*	*4.00*		*55*	*35-120*			
Matrix Spike Dup Analyzed: 02/25/2005 (5B24040-MSD1)					**Source: IOB1817-04**					
1,4-Dioxane	7.77	2.0	ug/l	4.00	5.4	59	35-120	0	25	
Surrogate: 1,4-Dioxane-d8	*2.29*		*ug/l*	*4.00*		*57*	*35-120*			

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METHOD BLANK/QC DATA

METALS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 5B24082 Extracted: 02/24/05										
Blank Analyzed: 02/24/2005 (5B24082-BLK1)										
Mercury	ND	0.00020	mg/l							
LCS Analyzed: 02/24/2005 (5B24082-BS1)										
Mercury	0.00799	0.00020	mg/l	0.00800		100	90-115			
Matrix Spike Analyzed: 02/24/2005 (5B24082-MS1)					Source: IOB1727-09					
Mercury	0.00819	0.00020	mg/l	0.00800	ND	102	75-120			
Matrix Spike Dup Analyzed: 02/24/2005 (5B24082-MSD1)					Source: IOB1727-09					
Mercury	0.00810	0.00020	mg/l	0.00800	ND	101	75-120	1	20	
Batch: 5B25103 Extracted: 02/25/05										
Blank Analyzed: 02/26/2005 (5B25103-BLK1)										
Antimony	ND	0.010	mg/l							
Arsenic	ND	0.0050	mg/l							
Barium	ND	0.010	mg/l							
Beryllium	ND	0.0040	mg/l							
Cadmium	ND	0.0050	mg/l							
Chromium	ND	0.0050	mg/l							
Cobalt	ND	0.010	mg/l							
Copper	ND	0.010	mg/l							
Lead	ND	0.0050	mg/l							
Molybdenum	ND	0.020	mg/l							
Nickel	ND	0.010	mg/l							
Selenium	ND	0.0050	mg/l							
Silver	ND	0.010	mg/l							
Thallium	ND	0.0050	mg/l							
Vanadium	ND	0.010	mg/l							
Zinc	ND	0.020	mg/l							

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METHOD BLANK/QC DATA

METALS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 5B25103 Extracted: 02/25/05										
LCS Analyzed: 02/26/2005 (5B25103-BS1)										
Antimony	1.04	0.010	mg/l	1.00		104	80-120			
Arsenic	0.978	0.0050	mg/l	1.00		98	80-120			
Barium	0.973	0.010	mg/l	1.00		97	80-120			
Beryllium	0.969	0.0040	mg/l	1.00		97	80-120			
Cadmium	0.958	0.0050	mg/l	1.00		96	80-120			
Chromium	0.977	0.0050	mg/l	1.00		98	80-120			
Cobalt	0.966	0.010	mg/l	1.00		97	80-120			
Copper	0.957	0.010	mg/l	1.00		96	80-120			
Lead	0.964	0.0050	mg/l	1.00		96	80-120			
Molybdenum	0.981	0.020	mg/l	1.00		98	80-120			
Nickel	0.960	0.010	mg/l	1.00		96	80-120			
Selenium	0.954	0.0050	mg/l	1.00		95	80-120			
Silver	0.489	0.010	mg/l	0.500		98	80-120			
Thallium	0.938	0.0050	mg/l	1.00		94	80-120			
Vanadium	0.974	0.010	mg/l	1.00		97	80-120			
Zinc	0.942	0.020	mg/l	1.00		94	80-120			
Matrix Spike Analyzed: 02/26/2005 (5B25103-MS1)					**Source: IOB1727-04**					
Antimony	1.04	0.010	mg/l	1.00	0.0045	104	75-125			
Arsenic	0.988	0.0050	mg/l	1.00	0.0048	98	75-125			
Barium	0.971	0.010	mg/l	1.00	ND	97	75-125			
Beryllium	0.971	0.0040	mg/l	1.00	ND	97	75-125			
Cadmium	0.953	0.0050	mg/l	1.00	ND	95	75-125			
Chromium	0.979	0.0050	mg/l	1.00	ND	98	75-125			
Cobalt	0.963	0.010	mg/l	1.00	ND	96	75-125			
Copper	0.952	0.010	mg/l	1.00	ND	95	75-125			
Lead	0.964	0.0050	mg/l	1.00	ND	96	75-125			
Molybdenum	0.984	0.020	mg/l	1.00	ND	98	75-125			
Nickel	0.956	0.010	mg/l	1.00	ND	96	75-125			
Selenium	0.959	0.0050	mg/l	1.00	ND	96	75-125			
Silver	0.488	0.010	mg/l	0.500	ND	98	75-125			
Thallium	0.941	0.0050	mg/l	1.00	ND	94	75-125			
Vanadium	0.971	0.010	mg/l	1.00	ND	97	75-125			
Zinc	0.937	0.020	mg/l	1.00	ND	94	75-125			

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Chris Roberts
Project Manager

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HWH Americas - Brea
3050 Saturn St., Suite 205
Brea, CA 92821
Attention: Lisa Hall

Project ID: Honeywell, North Hollywood

Report Number: IOB1727

Sampled: 02/22/05
Received: 02/23/05

METHOD BLANK/QC DATA

METALS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 5B25103 Extracted: 02/25/05										
Matrix Spike Dup Analyzed: 02/26/2005 (5B25103-MSD1)					**Source: IOB1727-04**					
Antimony	1.03	0.010	mg/l	1.00	0.0045	103	75-125	1	20	
Arsenic	0.983	0.0050	mg/l	1.00	0.0048	98	75-125	1	20	
Barium	0.969	0.010	mg/l	1.00	ND	97	75-125	0	20	
Beryllium	0.972	0.0040	mg/l	1.00	ND	97	75-125	0	20	
Cadmium	0.954	0.0050	mg/l	1.00	ND	95	75-125	0	20	
Chromium	0.972	0.0050	mg/l	1.00	ND	97	75-125	1	20	
Cobalt	0.962	0.010	mg/l	1.00	ND	96	75-125	0	20	
Copper	0.952	0.010	mg/l	1.00	ND	95	75-125	0	20	
Lead	0.962	0.0050	mg/l	1.00	ND	96	75-125	0	20	
Molybdenum	0.978	0.020	mg/l	1.00	ND	98	75-125	1	20	
Nickel	0.957	0.010	mg/l	1.00	ND	96	75-125	0	20	
Selenium	0.954	0.0050	mg/l	1.00	ND	95	75-125	1	20	
Silver	0.487	0.010	mg/l	0.500	ND	97	75-125	0	20	
Thallium	0.943	0.0050	mg/l	1.00	ND	94	75-125	0	20	
Vanadium	0.971	0.010	mg/l	1.00	ND	97	75-125	0	20	
Zinc	0.936	0.020	mg/l	1.00	ND	94	75-125	0	20	
Batch: 5C02082 Extracted: 03/02/05										
Blank Analyzed: 03/03/2005 (5C02082-BLK1)										
Thallium	ND	1.0	ug/l							
LCS Analyzed: 03/03/2005 (5C02082-BS1)										
Thallium	90.2	1.0	ug/l	80.0		113	80-120			
Matrix Spike Analyzed: 03/03/2005 (5C02082-MS1)					**Source: IOB1727-07**					
Thallium	85.5	1.0	ug/l	80.0	0.20	107	75-125			

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Attention: Lisa Hall

Project ID: Honeywell, North Hollywood

Report Number: IOB1727

Sampled: 02/22/05
Received: 02/23/05

METHOD BLANK/QC DATA

METALS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 5C02082 Extracted: 03/02/05										
Matrix Spike Dup Analyzed: 03/03/2005 (5C02082-MSD1)					**Source: IOB1727-07**					
Thallium	85.5	1.0	ug/l	80.0	0.20	107	75-125	0	20	

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Project ID: Honeywell, North Hollywood

Report Number: IOB1727

Sampled: 02/22/05
Received: 02/23/05

METHOD BLANK/QC DATA

INORGANICS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 5B23063 Extracted: 02/23/05										
Blank Analyzed: 02/23/2005 (5B23063-BLK1)										
Chromium VI	ND	0.0010	mg/l							
LCS Analyzed: 02/23/2005 (5B23063-BS1)										
Chromium VI	0.0493	0.0010	mg/l	0.0500		99	90-110			
Matrix Spike Analyzed: 02/23/2005 (5B23063-MS1)					**Source: IOB1727-03**					
Chromium VI	0.0466	0.0010	mg/l	0.0500	0.00078	92	80-115			
Matrix Spike Analyzed: 02/24/2005 (5B23063-MS2)					**Source: IOB1817-04**					
Chromium VI	0.379	0.0050	mg/l	0.250	0.17	84	80-115			
Matrix Spike Dup Analyzed: 02/23/2005 (5B23063-MSD1)					**Source: IOB1727-03**					
Chromium VI	0.0476	0.0010	mg/l	0.0500	0.00078	94	80-115	2	15	
Matrix Spike Dup Analyzed: 02/24/2005 (5B23063-MSD2)					**Source: IOB1817-04**					
Chromium VI	0.384	0.0050	mg/l	0.250	0.17	86	80-115	1	15	
Batch: 5B28103 Extracted: 02/28/05										
Blank Analyzed: 02/28/2005 (5B28103-BLK1)										
Perchlorate	ND	2.0	ug/l							
LCS Analyzed: 02/28/2005 (5B28103-BS1)										
Perchlorate	51.9	2.0	ug/l	50.0		104	85-115			
Matrix Spike Analyzed: 03/01/2005 (5B28103-MS1)					**Source: IOB1879-01RE1**					
Perchlorate	53.1	2.0	ug/l	50.0	5.7	95	80-120			

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Del Mar Analytical

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Attention: Lisa Hall

Project ID: Honeywell, North Hollywood

Report Number: IOB1727

Sampled: 02/22/05
Received: 02/23/05

METHOD BLANK/QC DATA

INORGANICS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 5B28103 Extracted: 02/28/05										
Matrix Spike Dup Analyzed: 03/01/2005 (5B28103-MSD1)					**Source: IOB1879-01RE1**					
Perchlorate	53.7	2.0	ug/l	50.0	5.7	96	80-120	1	20	
Batch: 5C02057 Extracted: 03/02/05										
Blank Analyzed: 03/02/2005 (5C02057-BLK1)										
Perchlorate	ND	2.0	ug/l							
LCS Analyzed: 03/02/2005 (5C02057-BS1)										
Perchlorate	50.9	2.0	ug/l	50.0		102	85-115			
Matrix Spike Analyzed: 03/02/2005 (5C02057-MS1)					**Source: IOB1811-01**					
Perchlorate	56.1	2.0	ug/l	50.0	ND	112	80-120			
Matrix Spike Dup Analyzed: 03/02/2005 (5C02057-MSD1)					**Source: IOB1811-01**					
Perchlorate	55.3	2.0	ug/l	50.0	ND	111	80-120	1	20	

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Project ID: Honeywell, North Hollywood

Report Number: IOB1727

Sampled: 02/22/05
Received: 02/23/05

DATA QUALIFIERS AND DEFINITIONS

H	Sample analysis performed past method-specified holding time.
R	The RPD exceeded the method control limit due to sample matrix effects. The individual analyte QA/QC recoveries, however, were within acceptance limits.
ND	Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified.
RPD	Relative Percent Difference

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Project ID: Honeywell, North Hollywood

Report Number: IOB1727

Sampled: 02/22/05
Received: 02/23/05

Certification Summary

Del Mar Analytical, Irvine

Method	Matrix	Nelac	California
EPA 314.0	Water	N/A	X
EPA 6010B	Water	X	X
EPA 6020	Water	X	X
EPA 7199	Water	X	X
EPA 7470A	Water	X	X
EPA 8260B	Water	X	X
EPA 8270C MOD	Water	X	X

Nevada and NELAP provide analyte specific accreditations. Analyte specific information for Del Mar Analytical may be obtained by contacting the laboratory or visiting our website at www.dmalabs.com.

Del Mar Analytical, Irvine
Chris Roberts
Project Manager

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JOB1727

DEL MAR ANALYTICAL
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Irvine, CA 92606
Phone: (949)261-1022 Fax: (949) 435-0858

Honeywell

Chain Of Custody / Analysis Request

AESI Ref: 38271.38932
COC #: 37070-0021
Lab Use Only
Lab Proj #:
Lab ID: DMA

A/C Manager: Mike Parkinson
Client Contact: (name, co., address)
Mike Flaugher/Lisa Hall
MWH
3050 Saturn Street, Suite 205, Brea, CA 92821
Michael.E.Flaugher@mwhglobal.com
Contact Phone/Cell: (714)936-3397
Hardcopy Report To:
Invoice To:

Privileged & Confidential
EDD To:
Sampler: J.Plummer
PO# 1890933.05
Analysis Turnaround Time: 10
Standard -
Rush Charges Authorized for -
2 weeks -
1 week -
Next Day -

Site Name: NORTHHOLLY
Location of Site: Honeywell - North Hollywood Site - 11600 Sherman Way, North Hollywood, CA

Job No: 1890933.05

Written and maintained by AESI (Ver 3.5) 11-05-04

	Location ID	Start Depth (ft)	End Depth (ft)	Field Sample ID	Sample Date	Sample Time	Sample Type	Sample Matrix	Sample Purpose	# of Cont.	Grab/Composite	Field Filtered Sample ?	Title 22 CAM Metals List (w/o Hg)	SW7470 Title 22 CAM Mercury	SW7199 Chromium VI	SW6020 Thallium	SW8270C MOD 1,4-Dioxane	E314.0 Perclorate	E8260 Volatile Organics							Lab Sample Number
													Preservative													
													0	0	0	0	0	0	0	0	0	0	0	0	0	
											Units		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L							
1	GW-6			GW-6-2/22/05-F	2/22/05	1110	GW	Water	Reg	1			X	X		X										1-500 HNO3
2	GW-6			GW-6-2/22/05		1110				6					X		X	X	X							1 Amber, 2 500 ML, 3 40
3	GW-2			GW-2-2/22/05F		1250				1			X	X		X										1-500 Poly HNO3
4	GW-2			GW-2-2/22/05		1250				6					X		X	X	X							1 Amber, 1500; 3 VOAs
5	GW-9			GW-9-2/22/05-F		1410				1			X	X		X										1-500 ML HNO3
6	GW-9			GW-9-2/22/05		1410				4					X				X							1-500ML, 3 VOA'S H
7	GW-9			GW-9-2/22/05-F MS/MSD		1410				1			X	X		X										1 500 HNO3
8	GW-9			GW-9-2/22/05-MS/MSD		1410				4					X				X							1-500 HNO3, 3 VOA
9	TB			TB-022205		0930				2									X							2 TB
10	EB			EB-01-02/22/05		1000				7			X	X	X	X	X	X	X							1 Amber, 1500 HNO3, 1 500 3
11	GW-8			GW-8-2/22/05-F		1600				1			X	X		X										1-500 HNO3
12	GW-8			GW-8-2/22/05	2/22/05	1600	GW	Water	Reg	4					X				X							3 - VOA'S

Special Instructions: EPA 6010B - Title 22 CAM Metals List - Sb, As, Ba, Be, Cd, Cr, Co, Cu, Pb, Mo, Ni, Se, Ag, Va, Zn; EPA 7470A - Title 22 CAM Metals List - Hg

Relinquished by	Company	Date/Time	Received by	Company	Date/Time	Condition	Custody Seals Intact
[signature]	MWH	2/23/05 0900	[signature]	DMA	2-23-05 0900	Cooler Temp.	
[signature]	DEL MAR	2-23-05 1050	[signature]	DMAI	2-23-05 9:00	Condition intact	
						Cooler Temp. 8.4°C 7°C	

Preservatives: 0 = None; [1 = HCL]; [2 = HNO3]; [3 = H2SO4]; [4 = NaOH]; [5 = Zn. Acetate]; [6 = MeOH]; [7 = NaHSO4]; 8 = Other (specify):

3/28/06 104(e)
0659

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LABORATORY REPORT

Prepared For: MWH Americas - Brea
3050 Saturn Ave., Suite 205
Brea, CA 92821
Attention: Lisa Hall

Project: Honeywell, North Hollywood
1890933.0501

Sampled: 02/23/05
Received: 02/23/05
Issued: 03/01/05 17:30

NELAP #01108CA California ELAP#1197 CSDLAC #10117

The results listed within this Laboratory Report pertain only to the samples tested in the laboratory. The analyses contained in this report were performed in accordance with the applicable certifications as noted. All soil samples are reported on a wet weight basis unless otherwise noted in the report. This Laboratory Report is confidential and is intended for the sole use of Del Mar Analytical and its client. This report shall not be reproduced, except in full, without written permission from Del Mar Analytical. The Chain(s) of Custody, 2 pages, are included and are an integral part of this report.
This entire report was reviewed and approved for release.

SAMPLE CROSS REFERENCE

LABORATORY ID	CLIENT ID	MATRIX
IOB1817-01	GW-1-2/23/05-F	Water
IOB1817-02	GW-1-2/23/05	Water
IOB1817-03	GW-3-2/23/05-F	Water
IOB1817-04	GW-3-2/23/05	Water
IOB1817-05	GW-14A-PA-2/23/05-F	Water
IOB1817-06	GW-14A-PA-2/23/05	Water
IOB1817-07	GW-14A-2/23/05-F	Water
IOB1817-08	GW-14A-2/23/05	Water
IOB1817-09	GW-14A-PC-2/23/05-F	Water
IOB1817-10	GW-14A-PC-2/23/05	Water
IOB1817-11	GW-14B-PA-2/23/05-F	Water
IOB1817-12	GW-14B-PA-2/23/05	Water
IOB1817-13	TB-022305	Water
IOB1817-14	GW-14A-PD-2/23/05	Water

Reviewed By:

Del Mar Analytical, Irvine
Chris Roberts
Project Manager

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MWH Americas - Brea
3050 Saturn Ave., Suite 205
Brea, CA 92821
Attention: Lisa Hall

Project ID: Honeywell, North Hollywood
1890933.0501
Report Number: IOB1817

Sampled: 02/23/05
Received: 02/23/05

VOLATILE ORGANICS with MTBE by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IOB1817-02 (GW-1-2/23/05 - Water)								
Reporting Units: ug/l								
Benzene	EPA 8260B	5B24014	0.50	ND	1	2/24/2005	2/24/2005	
Bromobenzene	EPA 8260B	5B24014	1.0	ND	1	2/24/2005	2/24/2005	
Bromochloromethane	EPA 8260B	5B24014	1.0	ND	1	2/24/2005	2/24/2005	
Bromodichloromethane	EPA 8260B	5B24014	1.0	ND	1	2/24/2005	2/24/2005	
Bromoform	EPA 8260B	5B24014	1.0	ND	1	2/24/2005	2/24/2005	
Bromomethane	EPA 8260B	5B24014	1.0	ND	1	2/24/2005	2/24/2005	
n-Butylbenzene	EPA 8260B	5B24014	1.0	ND	1	2/24/2005	2/24/2005	
sec-Butylbenzene	EPA 8260B	5B24014	1.0	ND	1	2/24/2005	2/24/2005	
tert-Butylbenzene	EPA 8260B	5B24014	1.0	ND	1	2/24/2005	2/24/2005	
Carbon tetrachloride	EPA 8260B	5B24014	1.0	ND	1	2/24/2005	2/24/2005	
Chlorobenzene	EPA 8260B	5B24014	0.50	ND	1	2/24/2005	2/24/2005	
Chloroethane	EPA 8260B	5B24014	1.0	ND	1	2/24/2005	2/24/2005	
Chloroform	EPA 8260B	5B24014	1.0	ND	1	2/24/2005	2/24/2005	
Chloromethane	EPA 8260B	5B24014	1.0	ND	1	2/24/2005	2/24/2005	
2-Chlorotoluene	EPA 8260B	5B24014	1.0	ND	1	2/24/2005	2/24/2005	
[illegible]hlorotoluene	EPA 8260B	5B24014	1.0	ND	1	2/24/2005	2/24/2005	
Dibromochloromethane	EPA 8260B	5B24014	1.0	ND	1	2/24/2005	2/24/2005	
1,2-Dibromo-3-chloropropane	EPA 8260B	5B24014	1.0	ND	1	2/24/2005	2/24/2005	
1,2-Dibromoethane (EDB)	EPA 8260B	5B24014	5.0	ND	1	2/24/2005	2/24/2005	
Dibromomethane	EPA 8260B	5B24014	1.0	ND	1	2/24/2005	2/24/2005	
1,2-Dichlorobenzene	EPA 8260B	5B24014	1.0	ND	1	2/24/2005	2/24/2005	
1,3-Dichlorobenzene	EPA 8260B	5B24014	1.0	ND	1	2/24/2005	2/24/2005	
1,4-Dichlorobenzene	EPA 8260B	5B24014	1.0	ND	1	2/24/2005	2/24/2005	
Dichlorodifluoromethane	EPA 8260B	5B24014	1.0	ND	1	2/24/2005	2/24/2005	
1,1-Dichloroethane	EPA 8260B	5B24014	2.0	**10**	1	2/24/2005	2/24/2005	
1,2-Dichloroethane	EPA 8260B	5B24014	1.0	**3.1**	1	2/24/2005	2/24/2005	
1,1-Dichloroethene	EPA 8260B	5B24014	0.50	**0.91**	1	2/24/2005	2/24/2005	
cis-1,2-Dichloroethene	EPA 8260B	5B24014	1.0	ND	1	2/24/2005	2/24/2005	
trans-1,2-Dichloroethene	EPA 8260B	5B24014	1.0	**22**	1	2/24/2005	2/24/2005	
1,2-Dichloropropane	EPA 8260B	5B24014	1.0	ND	1	2/24/2005	2/24/2005	
1,3-Dichloropropane	EPA 8260B	5B24014	1.0	ND	1	2/24/2005	2/24/2005	
2,2-Dichloropropane	EPA 8260B	5B24014	1.0	ND	1	2/24/2005	2/24/2005	
1,1-Dichloropropene	EPA 8260B	5B24014	1.0	ND	1	2/24/2005	2/24/2005	
cis-1,3-Dichloropropene	EPA 8260B	5B24014	1.0	ND	1	2/24/2005	2/24/2005	
trans-1,3-Dichloropropene	EPA 8260B	5B24014	0.50	ND	1	2/24/2005	2/24/2005	
Ethylbenzene	EPA 8260B	5B24014	0.50	ND	1	2/24/2005	2/24/2005	
Hexachlorobutadiene	EPA 8260B	5B24014	0.50	ND	1	2/24/2005	2/24/2005	
Isopropylbenzene	EPA 8260B	5B24014	1.0	ND	1	2/24/2005	2/24/2005	
p-Isopropyltoluene	EPA 8260B	5B24014	1.0	ND	1	2/24/2005	2/24/2005	
Methylene chloride	EPA 8260B	5B24014	1.0	ND	1	2/24/2005	2/24/2005	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	5B24014	5.0	ND	1	2/24/2005	2/24/2005	
	EPA 8260B	5B24014	1.0	ND	1	2/24/2005	2/24/2005	

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Del Mar Analytical

MWH Americas - Brea
3050 Saturn Ave., Suite 205
Brea, CA 92821
Attention: Lisa Hall

Project ID: Honeywell, North Hollywood
1890933.0501
Report Number: IOB1817

Sampled: 02/23/05
Received: 02/23/05

VOLATILE ORGANICS with MTBE by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IOB1817-02 (GW-1-2/23/05 - Water) - cont.								
Reporting Units: ug/l								
Naphthalene	EPA 8260B	5B24014	1.0	ND	1	2/24/2005	2/24/2005	
n-Propylbenzene	EPA 8260B	5B24014	1.0	ND	1	2/24/2005	2/24/2005	
Styrene	EPA 8260B	5B24014	1.0	ND	1	2/24/2005	2/24/2005	
1,1,1,2-Tetrachloroethane	EPA 8260B	5B24014	1.0	ND	1	2/24/2005	2/24/2005	
1,1,2,2-Tetrachloroethane	EPA 8260B	5B24014	1.0	ND	1	2/24/2005	2/24/2005	
Tetrachloroethene	EPA 8260B	5B24014	1.0	12	1	2/24/2005	2/24/2005	
Toluene	EPA 8260B	5B24014	0.50	ND	1	2/24/2005	2/24/2005	
1,2,3-Trichlorobenzene	EPA 8260B	5B24014	1.0	ND	1	2/24/2005	2/24/2005	
1,2,4-Trichlorobenzene	EPA 8260B	5B24014	1.0	ND	1	2/24/2005	2/24/2005	
1,1,1-Trichloroethane	EPA 8260B	5B24014	1.0	ND	1	2/24/2005	2/24/2005	
1,1,2-Trichloroethane	EPA 8260B	5B24014	1.0	ND	1	2/24/2005	2/24/2005	
Trichloroethene	EPA 8260B	5B24014	1.0	11	1	2/24/2005	2/24/2005	
Trichlorofluoromethane	EPA 8260B	5B24014	1.0	ND	1	2/24/2005	2/24/2005	
1,2,3-Trichloropropane	EPA 8260B	5B24014	1.0	ND	1	2/24/2005	2/24/2005	
1,2,4-Trimethylbenzene	EPA 8260B	5B24014	1.0	ND	1	2/24/2005	2/24/2005	
1,3,5-Trimethylbenzene	EPA 8260B	5B24014	1.0	ND	1	2/24/2005	2/24/2005	
Vinyl chloride	EPA 8260B	5B24014	0.50	ND	1	2/24/2005	2/24/2005	
o-Xylene	EPA 8260B	5B24014	0.50	ND	1	2/24/2005	2/24/2005	
m,p-Xylenes	EPA 8260B	5B24014	1.0	ND	1	2/24/2005	2/24/2005	
Surrogate: Dibromofluoromethane (80-120%)				*102 %*				
Surrogate: Toluene-d8 (80-120%)				*106 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*102 %*				

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Project ID: Honeywell, North Hollywood
1890933.0501
Report Number: IOB1817

Sampled: 02/23/05
Received: 02/23/05

VOLATILE ORGANICS with MTBE by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IOB1817-04 (GW-3-2/23/05 - Water)								
Reporting Units: ug/l								
Benzene	EPA 8260B	5B24014	0.50	ND	1	2/24/2005	2/24/2005	
Bromobenzene	EPA 8260B	5B24014	1.0	ND	1	2/24/2005	2/24/2005	
Bromochloromethane	EPA 8260B	5B24014	1.0	ND	1	2/24/2005	2/24/2005	
Bromodichloromethane	EPA 8260B	5B24014	1.0	ND	1	2/24/2005	2/24/2005	
Bromoform	EPA 8260B	5B24014	1.0	ND	1	2/24/2005	2/24/2005	
Bromomethane	EPA 8260B	5B24014	1.0	ND	1	2/24/2005	2/24/2005	
n-Butylbenzene	EPA 8260B	5B24014	1.0	ND	1	2/24/2005	2/24/2005	
sec-Butylbenzene	EPA 8260B	5B24014	1.0	ND	1	2/24/2005	2/24/2005	
tert-Butylbenzene	EPA 8260B	5B24014	1.0	ND	1	2/24/2005	2/24/2005	
Carbon tetrachloride	EPA 8260B	5B24014	1.0	ND	1	2/24/2005	2/24/2005	
Chlorobenzene	EPA 8260B	5B24014	0.50	ND	1	2/24/2005	2/24/2005	
Chloroethane	EPA 8260B	5B24014	1.0	ND	1	2/24/2005	2/24/2005	
Chloroform	EPA 8260B	5B24014	1.0	ND	1	2/24/2005	2/24/2005	
Chloromethane	EPA 8260B	5B24014	1.0	ND	1	2/24/2005	2/24/2005	
2-Chlorotoluene	EPA 8260B	5B24014	1.0	ND	1	2/24/2005	2/24/2005	
4-Chlorotoluene	EPA 8260B	5B24014	1.0	ND	1	2/24/2005	2/24/2005	
Dibromochloromethane	EPA 8260B	5B24014	1.0	ND	1	2/24/2005	2/24/2005	
1,2-Dibromo-3-chloropropane	EPA 8260B	5B24014	1.0	ND	1	2/24/2005	2/24/2005	
1,2-Dibromoethane (EDB)	EPA 8260B	5B24014	5.0	ND	1	2/24/2005	2/24/2005	
Dibromomethane	EPA 8260B	5B24014	1.0	ND	1	2/24/2005	2/24/2005	
1,2-Dichlorobenzene	EPA 8260B	5B24014	1.0	ND	1	2/24/2005	2/24/2005	
1,3-Dichlorobenzene	EPA 8260B	5B24014	1.0	ND	1	2/24/2005	2/24/2005	
1,4-Dichlorobenzene	EPA 8260B	5B24014	1.0	ND	1	2/24/2005	2/24/2005	
Dichlorodifluoromethane	EPA 8260B	5B24014	1.0	ND	1	2/24/2005	2/24/2005	
1,1-Dichloroethane	EPA 8260B	5B24014	2.0	**14**	1	2/24/2005	2/24/2005	
1,2-Dichloroethane	EPA 8260B	5B24014	1.0	**3.8**	1	2/24/2005	2/24/2005	
1,1-Dichloroethene	EPA 8260B	5B24014	0.50	**1.3**	1	2/24/2005	2/24/2005	
cis-1,2-Dichloroethene	EPA 8260B	5B24014	1.0	ND	1	2/24/2005	2/24/2005	
trans-1,2-Dichloroethene	EPA 8260B	5B24014	1.0	**29**	1	2/24/2005	2/24/2005	
1,2-Dichloropropane	EPA 8260B	5B24014	1.0	ND	1	2/24/2005	2/24/2005	
1,3-Dichloropropane	EPA 8260B	5B24014	1.0	ND	1	2/24/2005	2/24/2005	
2,2-Dichloropropane	EPA 8260B	5B24014	1.0	ND	1	2/24/2005	2/24/2005	
1,1-Dichloropropene	EPA 8260B	5B24014	1.0	ND	1	2/24/2005	2/24/2005	
cis-1,3-Dichloropropene	EPA 8260B	5B24014	1.0	ND	1	2/24/2005	2/24/2005	
trans-1,3-Dichloropropene	EPA 8260B	5B24014	0.50	ND	1	2/24/2005	2/24/2005	
Ethylbenzene	EPA 8260B	5B24014	0.50	ND	1	2/24/2005	2/24/2005	
Hexachlorobutadiene	EPA 8260B	5B24014	0.50	ND	1	2/24/2005	2/24/2005	
Isopropylbenzene	EPA 8260B	5B24014	1.0	ND	1	2/24/2005	2/24/2005	
p-Isopropyltoluene	EPA 8260B	5B24014	1.0	ND	1	2/24/2005	2/24/2005	
Methylene chloride	EPA 8260B	5B24014	1.0	ND	1	2/24/2005	2/24/2005	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	5B24014	5.0	ND	1	2/24/2005	2/24/2005	
	EPA 8260B	5B24014	1.0	ND	1	2/24/2005	2/24/2005	

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Project Manager

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MWH Americas - Brea
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Attention: Lisa Hall

Project ID: Honeywell, North Hollywood
1890933.0501
Report Number: IOB1817

Sampled: 02/23/05
Received: 02/23/05

VOLATILE ORGANICS with MTBE by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IOB1817-04 (GW-3-2/23/05 - Water) - cont.								
Reporting Units: ug/l								
Naphthalene	EPA 8260B	5B24014	1.0	ND	1	2/24/2005	2/24/2005	
n-Propylbenzene	EPA 8260B	5B24014	1.0	ND	1	2/24/2005	2/24/2005	
Styrene	EPA 8260B	5B24014	1.0	ND	1	2/24/2005	2/24/2005	
1,1,1,2-Tetrachloroethane	EPA 8260B	5B24014	1.0	ND	1	2/24/2005	2/24/2005	
1,1,2,2-Tetrachloroethane	EPA 8260B	5B24014	1.0	ND	1	2/24/2005	2/24/2005	
Tetrachloroethene	EPA 8260B	5B24014	1.0	**16**	1	2/24/2005	2/24/2005	
Toluene	EPA 8260B	5B24014	0.50	ND	1	2/24/2005	2/24/2005	
1,2,3-Trichlorobenzene	EPA 8260B	5B24014	1.0	ND	1	2/24/2005	2/24/2005	
1,2,4-Trichlorobenzene	EPA 8260B	5B24014	1.0	ND	1	2/24/2005	2/24/2005	
1,1,1-Trichloroethane	EPA 8260B	5B24014	1.0	ND	1	2/24/2005	2/24/2005	
1,1,2-Trichloroethane	EPA 8260B	5B24014	1.0	ND	1	2/24/2005	2/24/2005	
Trichloroethene	EPA 8260B	5B24014	1.0	**12**	1	2/24/2005	2/24/2005	
Trichlorofluoromethane	EPA 8260B	5B24014	1.0	ND	1	2/24/2005	2/24/2005	
1,2,3-Trichloropropane	EPA 8260B	5B24014	1.0	ND	1	2/24/2005	2/24/2005	
1,2,4-Trimethylbenzene	EPA 8260B	5B24014	1.0	ND	1	2/24/2005	2/24/2005	
1,3,5-Trimethylbenzene	EPA 8260B	5B24014	1.0	ND	1	2/24/2005	2/24/2005	
Vinyl chloride	EPA 8260B	5B24014	0.50	ND	1	2/24/2005	2/24/2005	
o-Xylene	EPA 8260B	5B24014	0.50	ND	1	2/24/2005	2/24/2005	
m,p-Xylenes	EPA 8260B	5B24014	1.0	ND	1	2/24/2005	2/24/2005	
Surrogate: Dibromofluoromethane (80-120%)				*103 %*				
Surrogate: Toluene-d8 (80-120%)				*106 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*102 %*				

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Project ID: Honeywell, North Hollywood
1890933.0501
Report Number: IOB1817

Sampled: 02/23/05
Received: 02/23/05

VOLATILE ORGANICS with MTBE by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IOB1817-06 (GW-14A-PA-2/23/05 - Water)								
Reporting Units: ug/l								
Benzene	EPA 8260B	5B24007	0.50	ND	1	2/24/2005	2/24/2005	
Bromobenzene	EPA 8260B	5B24007	1.0	ND	1	2/24/2005	2/24/2005	
Bromochloromethane	EPA 8260B	5B24007	1.0	ND	1	2/24/2005	2/24/2005	
Bromodichloromethane	EPA 8260B	5B24007	1.0	ND	1	2/24/2005	2/24/2005	
Bromoform	EPA 8260B	5B24007	1.0	ND	1	2/24/2005	2/24/2005	
Bromomethane	EPA 8260B	5B24007	1.0	ND	1	2/24/2005	2/24/2005	
n-Butylbenzene	EPA 8260B	5B24007	1.0	ND	1	2/24/2005	2/24/2005	
sec-Butylbenzene	EPA 8260B	5B24007	1.0	ND	1	2/24/2005	2/24/2005	
tert-Butylbenzene	EPA 8260B	5B24007	1.0	ND	1	2/24/2005	2/24/2005	
Carbon tetrachloride	EPA 8260B	5B24007	1.0	ND	1	2/24/2005	2/24/2005	
Chlorobenzene	EPA 8260B	5B24007	0.50	ND	1	2/24/2005	2/24/2005	
Chloroethane	EPA 8260B	5B24007	1.0	ND	1	2/24/2005	2/24/2005	
Chloroform	EPA 8260B	5B24007	1.0	ND	1	2/24/2005	2/24/2005	
Chloromethane	EPA 8260B	5B24007	1.0	ND	1	2/24/2005	2/24/2005	
2-Chlorotoluene	EPA 8260B	5B24007	1.0	ND	1	2/24/2005	2/24/2005	
Chlorotoluene	EPA 8260B	5B24007	1.0	ND	1	2/24/2005	2/24/2005	
Dibromochloromethane	EPA 8260B	5B24007	1.0	ND	1	2/24/2005	2/24/2005	
1,2-Dibromo-3-chloropropane	EPA 8260B	5B24007	1.0	ND	1	2/24/2005	2/24/2005	
1,2-Dibromoethane (EDB)	EPA 8260B	5B24007	5.0	ND	1	2/24/2005	2/24/2005	
Dibromomethane	EPA 8260B	5B24007	1.0	ND	1	2/24/2005	2/24/2005	
1,2-Dichlorobenzene	EPA 8260B	5B24007	1.0	ND	1	2/24/2005	2/24/2005	
1,3-Dichlorobenzene	EPA 8260B	5B24007	1.0	ND	1	2/24/2005	2/24/2005	
1,4-Dichlorobenzene	EPA 8260B	5B24007	1.0	ND	1	2/24/2005	2/24/2005	
Dichlorodifluoromethane	EPA 8260B	5B24007	1.0	ND	1	2/24/2005	2/24/2005	
1,1-Dichloroethane	EPA 8260B	5B24007	2.0	5.8	1	2/24/2005	2/24/2005	
1,2-Dichloroethane	EPA 8260B	5B24007	1.0	3.9	1	2/24/2005	2/24/2005	
1,1-Dichloroethene	EPA 8260B	5B24007	0.50	1.5	1	2/24/2005	2/24/2005	
cis-1,2-Dichloroethene	EPA 8260B	5B24007	1.0	ND	1	2/24/2005	2/24/2005	
trans-1,2-Dichloroethene	EPA 8260B	5B24007	1.0	31	1	2/24/2005	2/24/2005	
1,2-Dichloropropane	EPA 8260B	5B24007	1.0	ND	1	2/24/2005	2/24/2005	
1,3-Dichloropropane	EPA 8260B	5B24007	1.0	ND	1	2/24/2005	2/24/2005	
2,2-Dichloropropane	EPA 8260B	5B24007	1.0	ND	1	2/24/2005	2/24/2005	
1,1-Dichloropropene	EPA 8260B	5B24007	1.0	ND	1	2/24/2005	2/24/2005	
cis-1,3-Dichloropropene	EPA 8260B	5B24007	1.0	ND	1	2/24/2005	2/24/2005	
trans-1,3-Dichloropropene	EPA 8260B	5B24007	0.50	ND	1	2/24/2005	2/24/2005	
Ethylbenzene	EPA 8260B	5B24007	0.50	ND	1	2/24/2005	2/24/2005	
Hexachlorobutadiene	EPA 8260B	5B24007	0.50	ND	1	2/24/2005	2/24/2005	
Isopropylbenzene	EPA 8260B	5B24007	1.0	ND	1	2/24/2005	2/24/2005	
p-Isopropyltoluene	EPA 8260B	5B24007	1.0	ND	1	2/24/2005	2/24/2005	
Methylene chloride	EPA 8260B	5B24007	1.0	ND	1	2/24/2005	2/24/2005	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	5B24007	5.0	ND	1	2/24/2005	2/24/2005	
	EPA 8260B	5B24007	1.0	ND	1	2/24/2005	2/24/2005	

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Del Mar Analytical

MWH Americas - Brea
3050 Saturn Ave., Suite 205
Brea, CA 92821
Attention: Lisa Hall

Project ID: Honeywell, North Hollywood
1890933.0501
Report Number: IOB1817

Sampled: 02/23/05
Received: 02/23/05

VOLATILE ORGANICS with MTBE by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IOB1817-06 (GW-14A-PA-2/23/05 - Water) - cont.								
Reporting Units: ug/l								
Naphthalene	EPA 8260B	5B24007	1.0	ND	1	2/24/2005	2/24/2005	
n-Propylbenzene	EPA 8260B	5B24007	1.0	ND	1	2/24/2005	2/24/2005	
Styrene	EPA 8260B	5B24007	1.0	ND	1	2/24/2005	2/24/2005	
1,1,1,2-Tetrachloroethane	EPA 8260B	5B24007	1.0	ND	1	2/24/2005	2/24/2005	
1,1,2,2-Tetrachloroethane	EPA 8260B	5B24007	1.0	ND	1	2/24/2005	2/24/2005	
Tetrachloroethene	EPA 8260B	5B24007	1.0	17	1	2/24/2005	2/24/2005	
Toluene	EPA 8260B	5B24007	0.50	ND	1	2/24/2005	2/24/2005	
1,2,3-Trichlorobenzene	EPA 8260B	5B24007	1.0	ND	1	2/24/2005	2/24/2005	
1,2,4-Trichlorobenzene	EPA 8260B	5B24007	1.0	ND	1	2/24/2005	2/24/2005	
1,1,1-Trichloroethane	EPA 8260B	5B24007	1.0	ND	1	2/24/2005	2/24/2005	
1,1,2-Trichloroethane	EPA 8260B	5B24007	1.0	ND	1	2/24/2005	2/24/2005	
Trichloroethene	EPA 8260B	5B24007	1.0	13	1	2/24/2005	2/24/2005	
Trichlorofluoromethane	EPA 8260B	5B24007	1.0	ND	1	2/24/2005	2/24/2005	
1,2,3-Trichloropropane	EPA 8260B	5B24007	1.0	ND	1	2/24/2005	2/24/2005	
1,2,4-Trimethylbenzene	EPA 8260B	5B24007	1.0	ND	1	2/24/2005	2/24/2005	
1,3,5-Trimethylbenzene	EPA 8260B	5B24007	1.0	ND	1	2/24/2005	2/24/2005	
Vinyl chloride	EPA 8260B	5B24007	0.50	ND	1	2/24/2005	2/24/2005	
o-Xylene	EPA 8260B	5B24007	0.50	ND	1	2/24/2005	2/24/2005	
m,p-Xylenes	EPA 8260B	5B24007	1.0	ND	1	2/24/2005	2/24/2005	
Surrogate: Dibromofluoromethane (80-120%)				*106 %*				
Surrogate: Toluene-d8 (80-120%)				*100 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*99 %*				

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Project ID: Honeywell, North Hollywood
1890933.0501
Report Number: IOB1817

Sampled: 02/23/05
Received: 02/23/05

VOLATILE ORGANICS with MTBE by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IOB1817-08 (GW-14A-2/23/05 - Water)								
Reporting Units: ug/l								
Benzene	EPA 8260B	5B24012	0.50	ND	1	2/24/2005	2/24/2005	
Bromobenzene	EPA 8260B	5B24012	1.0	ND	1	2/24/2005	2/24/2005	
Bromochloromethane	EPA 8260B	5B24012	1.0	ND	1	2/24/2005	2/24/2005	
Bromodichloromethane	EPA 8260B	5B24012	1.0	ND	1	2/24/2005	2/24/2005	
Bromoform	EPA 8260B	5B24012	1.0	ND	1	2/24/2005	2/24/2005	
Bromomethane	EPA 8260B	5B24012	1.0	ND	1	2/24/2005	2/24/2005	
n-Butylbenzene	EPA 8260B	5B24012	1.0	ND	1	2/24/2005	2/24/2005	
sec-Butylbenzene	EPA 8260B	5B24012	1.0	ND	1	2/24/2005	2/24/2005	
tert-Butylbenzene	EPA 8260B	5B24012	1.0	ND	1	2/24/2005	2/24/2005	
Carbon tetrachloride	EPA 8260B	5B24012	1.0	ND	1	2/24/2005	2/24/2005	
Chlorobenzene	EPA 8260B	5B24012	0.50	ND	1	2/24/2005	2/24/2005	
Chloroethane	EPA 8260B	5B24012	1.0	ND	1	2/24/2005	2/24/2005	
Chloroform	EPA 8260B	5B24012	1.0	ND	1	2/24/2005	2/24/2005	
Chloromethane	EPA 8260B	5B24012	1.0	ND	1	2/24/2005	2/24/2005	
2-Chlorotoluene	EPA 8260B	5B24012	1.0	ND	1	2/24/2005	2/24/2005	
Chlorotoluene	EPA 8260B	5B24012	1.0	ND	1	2/24/2005	2/24/2005	
bromochloromethane	EPA 8260B	5B24012	1.0	ND	1	2/24/2005	2/24/2005	
1,2-Dibromo-3-chloropropane	EPA 8260B	5B24012	1.0	ND	1	2/24/2005	2/24/2005	
1,2-Dibromoethane (EDB)	EPA 8260B	5B24012	5.0	ND	1	2/24/2005	2/24/2005	
Dibromomethane	EPA 8260B	5B24012	1.0	ND	1	2/24/2005	2/24/2005	
1,2-Dichlorobenzene	EPA 8260B	5B24012	1.0	ND	1	2/24/2005	2/24/2005	
1,3-Dichlorobenzene	EPA 8260B	5B24012	1.0	ND	1	2/24/2005	2/24/2005	
1,4-Dichlorobenzene	EPA 8260B	5B24012	1.0	ND	1	2/24/2005	2/24/2005	
Dichlorodifluoromethane	EPA 8260B	5B24012	1.0	ND	1	2/24/2005	2/24/2005	
1,1-Dichloroethane	EPA 8260B	5B24012	2.0	**7.0**	1	2/24/2005	2/24/2005	
1,2-Dichloroethane	EPA 8260B	5B24012	1.0	**3.9**	1	2/24/2005	2/24/2005	
1,1-Dichloroethene	EPA 8260B	5B24012	0.50	**1.6**	1	2/24/2005	2/24/2005	
cis-1,2-Dichloroethene	EPA 8260B	5B24012	1.0	ND	1	2/24/2005	2/24/2005	
trans-1,2-Dichloroethene	EPA 8260B	5B24012	1.0	**31**	1	2/24/2005	2/24/2005	
1,2-Dichloropropane	EPA 8260B	5B24012	1.0	ND	1	2/24/2005	2/24/2005	
1,3-Dichloropropane	EPA 8260B	5B24012	1.0	ND	1	2/24/2005	2/24/2005	
2,2-Dichloropropane	EPA 8260B	5B24012	1.0	ND	1	2/24/2005	2/24/2005	
1,1-Dichloropropene	EPA 8260B	5B24012	1.0	ND	1	2/24/2005	2/24/2005	
cis-1,3-Dichloropropene	EPA 8260B	5B24012	1.0	ND	1	2/24/2005	2/24/2005	
trans-1,3-Dichloropropene	EPA 8260B	5B24012	0.50	ND	1	2/24/2005	2/24/2005	
Ethylbenzene	EPA 8260B	5B24012	0.50	ND	1	2/24/2005	2/24/2005	
Hexachlorobutadiene	EPA 8260B	5B24012	0.50	ND	1	2/24/2005	2/24/2005	
Isopropylbenzene	EPA 8260B	5B24012	1.0	ND	1	2/24/2005	2/24/2005	
p-Isopropyltoluene	EPA 8260B	5B24012	1.0	ND	1	2/24/2005	2/24/2005	
Methylene chloride	EPA 8260B	5B24012	1.0	ND	1	2/24/2005	2/24/2005	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	5B24012	5.0	ND	1	2/24/2005	2/24/2005	
	EPA 8260B	5B24012	1.0	ND	1	2/24/2005	2/24/2005	

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Iris Roberts
Project Manager

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MWH Americas - Brea
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Attention: Lisa Hall

Project ID: Honeywell, North Hollywood
1890933.0501
Report Number: IOB1817

Sampled: 02/23/05
Received: 02/23/05

VOLATILE ORGANICS with MTBE by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IOB1817-08 (GW-14A-2/23/05 - Water) - cont.								
Reporting Units: ug/l								
Naphthalene	EPA 8260B	5B24012	1.0	ND	1	2/24/2005	2/24/2005	
n-Propylbenzene	EPA 8260B	5B24012	1.0	ND	1	2/24/2005	2/24/2005	
Styrene	EPA 8260B	5B24012	1.0	ND	1	2/24/2005	2/24/2005	
1,1,1,2-Tetrachloroethane	EPA 8260B	5B24012	1.0	ND	1	2/24/2005	2/24/2005	
1,1,2,2-Tetrachloroethane	EPA 8260B	5B24012	1.0	ND	1	2/24/2005	2/24/2005	
Tetrachloroethene	EPA 8260B	5B24012	1.0	**16**	1	2/24/2005	2/24/2005	
Toluene	EPA 8260B	5B24012	0.50	ND	1	2/24/2005	2/24/2005	
1,2,3-Trichlorobenzene	EPA 8260B	5B24012	1.0	ND	1	2/24/2005	2/24/2005	
1,2,4-Trichlorobenzene	EPA 8260B	5B24012	1.0	ND	1	2/24/2005	2/24/2005	
1,1,1-Trichloroethane	EPA 8260B	5B24012	1.0	ND	1	2/24/2005	2/24/2005	
1,1,2-Trichloroethane	EPA 8260B	5B24012	1.0	ND	1	2/24/2005	2/24/2005	
Trichloroethene	EPA 8260B	5B24012	1.0	**14**	1	2/24/2005	2/24/2005	
Trichlorofluoromethane	EPA 8260B	5B24012	1.0	ND	1	2/24/2005	2/24/2005	
1,2,3-Trichloropropane	EPA 8260B	5B24012	1.0	ND	1	2/24/2005	2/24/2005	
1,2,4-Trimethylbenzene	EPA 8260B	5B24012	1.0	ND	1	2/24/2005	2/24/2005	
1,3,5-Trimethylbenzene	EPA 8260B	5B24012	1.0	ND	1	2/24/2005	2/24/2005	
Vinyl chloride	EPA 8260B	5B24012	0.50	ND	1	2/24/2005	2/24/2005	
o-Xylene	EPA 8260B	5B24012	0.50	ND	1	2/24/2005	2/24/2005	
m,p-Xylenes	EPA 8260B	5B24012	1.0	ND	1	2/24/2005	2/24/2005	
Surrogate: Dibromofluoromethane (80-120%)				*103 %*				
Surrogate: Toluene-d8 (80-120%)				*98 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*91 %*				

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VOLATILE ORGANICS with MTBE by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IOB1817-10 (GW-14A-PC-2/23/05 - Water)								
Reporting Units: ug/l								
Benzene	EPA 8260B	5B24012	0.50	ND	1	2/24/2005	2/24/2005	
Bromobenzene	EPA 8260B	5B24012	1.0	ND	1	2/24/2005	2/24/2005	
Bromochloromethane	EPA 8260B	5B24012	1.0	ND	1	2/24/2005	2/24/2005	
Bromodichloromethane	EPA 8260B	5B24012	1.0	ND	1	2/24/2005	2/24/2005	
Bromoform	EPA 8260B	5B24012	1.0	ND	1	2/24/2005	2/24/2005	
Bromomethane	EPA 8260B	5B24012	1.0	ND	1	2/24/2005	2/24/2005	
n-Butylbenzene	EPA 8260B	5B24012	1.0	ND	1	2/24/2005	2/24/2005	
sec-Butylbenzene	EPA 8260B	5B24012	1.0	ND	1	2/24/2005	2/24/2005	
tert-Butylbenzene	EPA 8260B	5B24012	1.0	ND	1	2/24/2005	2/24/2005	
Carbon tetrachloride	EPA 8260B	5B24012	1.0	ND	1	2/24/2005	2/24/2005	
Chlorobenzene	EPA 8260B	5B24012	0.50	ND	1	2/24/2005	2/24/2005	
Chloroethane	EPA 8260B	5B24012	1.0	ND	1	2/24/2005	2/24/2005	
Chloroform	EPA 8260B	5B24012	1.0	ND	1	2/24/2005	2/24/2005	
Chloromethane	EPA 8260B	5B24012	1.0	ND	1	2/24/2005	2/24/2005	
Chlorotoluene	EPA 8260B	5B24012	1.0	ND	1	2/24/2005	2/24/2005	
Chlorotoluene	EPA 8260B	5B24012	1.0	ND	1	2/24/2005	2/24/2005	
Dibromochloromethane	EPA 8260B	5B24012	1.0	ND	1	2/24/2005	2/24/2005	
1,2-Dibromo-3-chloropropane	EPA 8260B	5B24012	1.0	ND	1	2/24/2005	2/24/2005	
1,2-Dibromoethane (EDB)	EPA 8260B	5B24012	5.0	ND	1	2/24/2005	2/24/2005	
Dibromomethane	EPA 8260B	5B24012	1.0	ND	1	2/24/2005	2/24/2005	
1,2-Dichlorobenzene	EPA 8260B	5B24012	1.0	ND	1	2/24/2005	2/24/2005	
1,3-Dichlorobenzene	EPA 8260B	5B24012	1.0	ND	1	2/24/2005	2/24/2005	
1,4-Dichlorobenzene	EPA 8260B	5B24012	1.0	ND	1	2/24/2005	2/24/2005	
Dichlorodifluoromethane	EPA 8260B	5B24012	1.0	ND	1	2/24/2005	2/24/2005	
1,1-Dichloroethane	EPA 8260B	5B24012	2.0	**6.3**	1	2/24/2005	2/24/2005	
1,2-Dichloroethane	EPA 8260B	5B24012	1.0	**4.0**	1	2/24/2005	2/24/2005	
1,1-Dichloroethene	EPA 8260B	5B24012	0.50	**1.6**	1	2/24/2005	2/24/2005	
cis-1,2-Dichloroethene	EPA 8260B	5B24012	1.0	ND	1	2/24/2005	2/24/2005	
trans-1,2-Dichloroethene	EPA 8260B	5B24012	1.0	**31**	1	2/24/2005	2/24/2005	
1,2-Dichloropropane	EPA 8260B	5B24012	1.0	ND	1	2/24/2005	2/24/2005	
1,3-Dichloropropane	EPA 8260B	5B24012	1.0	ND	1	2/24/2005	2/24/2005	
2,2-Dichloropropane	EPA 8260B	5B24012	1.0	ND	1	2/24/2005	2/24/2005	
1,1-Dichloropropene	EPA 8260B	5B24012	1.0	ND	1	2/24/2005	2/24/2005	
cis-1,3-Dichloropropene	EPA 8260B	5B24012	1.0	ND	1	2/24/2005	2/24/2005	
trans-1,3-Dichloropropene	EPA 8260B	5B24012	0.50	ND	1	2/24/2005	2/24/2005	
Ethylbenzene	EPA 8260B	5B24012	0.50	ND	1	2/24/2005	2/24/2005	
Hexachlorobutadiene	EPA 8260B	5B24012	0.50	ND	1	2/24/2005	2/24/2005	
Isopropylbenzene	EPA 8260B	5B24012	1.0	ND	1	2/24/2005	2/24/2005	
p-Isopropyltoluene	EPA 8260B	5B24012	1.0	ND	1	2/24/2005	2/24/2005	
Methylene chloride	EPA 8260B	5B24012	1.0	ND	1	2/24/2005	2/24/2005	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	5B24012	5.0	ND	1	2/24/2005	2/24/2005	
	EPA 8260B	5B24012	1.0	ND	1	2/24/2005	2/24/2005	

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Project Manager

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VOLATILE ORGANICS with MTBE by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IOB1817-10 (GW-14A-PC-2/23/05 - Water) - cont.								
Reporting Units: ug/l								
Naphthalene	EPA 8260B	5B24012	1.0	ND	1	2/24/2005	2/24/2005	
n-Propylbenzene	EPA 8260B	5B24012	1.0	ND	1	2/24/2005	2/24/2005	
Styrene	EPA 8260B	5B24012	1.0	ND	1	2/24/2005	2/24/2005	
1,1,1,2-Tetrachloroethane	EPA 8260B	5B24012	1.0	ND	1	2/24/2005	2/24/2005	
1,1,2,2-Tetrachloroethane	EPA 8260B	5B24012	1.0	ND	1	2/24/2005	2/24/2005	
Tetrachloroethene	EPA 8260B	5B24012	1.0	**16**	1	2/24/2005	2/24/2005	
Toluene	EPA 8260B	5B24012	0.50	ND	1	2/24/2005	2/24/2005	
1,2,3-Trichlorobenzene	EPA 8260B	5B24012	1.0	ND	1	2/24/2005	2/24/2005	
1,2,4-Trichlorobenzene	EPA 8260B	5B24012	1.0	ND	1	2/24/2005	2/24/2005	
1,1,1-Trichloroethane	EPA 8260B	5B24012	1.0	ND	1	2/24/2005	2/24/2005	
1,1,2-Trichloroethane	EPA 8260B	5B24012	1.0	ND	1	2/24/2005	2/24/2005	
Trichloroethene	EPA 8260B	5B24012	1.0	**14**	1	2/24/2005	2/24/2005	
Trichlorofluoromethane	EPA 8260B	5B24012	1.0	ND	1	2/24/2005	2/24/2005	
1,2,3-Trichloropropane	EPA 8260B	5B24012	1.0	ND	1	2/24/2005	2/24/2005	
1,2,4-Trimethylbenzene	EPA 8260B	5B24012	1.0	ND	1	2/24/2005	2/24/2005	
1,3,5-Trimethylbenzene	EPA 8260B	5B24012	1.0	ND	1	2/24/2005	2/24/2005	
Vinyl chloride	EPA 8260B	5B24012	0.50	ND	1	2/24/2005	2/24/2005	
o-Xylene	EPA 8260B	5B24012	0.50	ND	1	2/24/2005	2/24/2005	
m,p-Xylenes	EPA 8260B	5B24012	1.0	ND	1	2/24/2005	2/24/2005	
Surrogate: Dibromofluoromethane (80-120%)				*105 %*				
Surrogate: Toluene-d8 (80-120%)				*97 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*92 %*				

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Project Manager

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TWH Americas - Brea
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Attention: Lisa Hall

Project ID: Honeywell, North Hollywood
1890933.0501
Report Number: IOB1817

Sampled: 02/23/05
Received: 02/23/05

VOLATILE ORGANICS with MTBE by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IOB1817-12 (GW-14B-PA-2/23/05 - Water)								
Reporting Units: ug/l								
Benzene	EPA 8260B	5B24007	0.50	ND	1	2/24/2005	2/24/2005	
Bromobenzene	EPA 8260B	5B24007	1.0	ND	1	2/24/2005	2/24/2005	
Bromochloromethane	EPA 8260B	5B24007	1.0	ND	1	2/24/2005	2/24/2005	
Bromodichloromethane	EPA 8260B	5B24007	1.0	ND	1	2/24/2005	2/24/2005	
Bromoform	EPA 8260B	5B24007	1.0	ND	1	2/24/2005	2/24/2005	
Bromomethane	EPA 8260B	5B24007	1.0	ND	1	2/24/2005	2/24/2005	
n-Butylbenzene	EPA 8260B	5B24007	1.0	ND	1	2/24/2005	2/24/2005	
sec-Butylbenzene	EPA 8260B	5B24007	1.0	ND	1	2/24/2005	2/24/2005	
tert-Butylbenzene	EPA 8260B	5B24007	1.0	ND	1	2/24/2005	2/24/2005	
Carbon tetrachloride	EPA 8260B	5B24007	1.0	ND	1	2/24/2005	2/24/2005	
Chlorobenzene	EPA 8260B	5B24007	0.50	ND	1	2/24/2005	2/24/2005	
Chloroethane	EPA 8260B	5B24007	1.0	ND	1	2/24/2005	2/24/2005	
Chloroform	EPA 8260B	5B24007	1.0	ND	1	2/24/2005	2/24/2005	
Chloromethane	EPA 8260B	5B24007	1.0	ND	1	2/24/2005	2/24/2005	
2-Chlorotoluene	EPA 8260B	5B24007	1.0	ND	1	2/24/2005	2/24/2005	
Chlorotoluene	EPA 8260B	5B24007	1.0	ND	1	2/24/2005	2/24/2005	
Dibromochloromethane	EPA 8260B	5B24007	1.0	ND	1	2/24/2005	2/24/2005	
1,2-Dibromo-3-chloropropane	EPA 8260B	5B24007	5.0	ND	1	2/24/2005	2/24/2005	
1,2-Dibromoethane (EDB)	EPA 8260B	5B24007	1.0	ND	1	2/24/2005	2/24/2005	
Dibromomethane	EPA 8260B	5B24007	1.0	ND	1	2/24/2005	2/24/2005	
1,2-Dichlorobenzene	EPA 8260B	5B24007	1.0	ND	1	2/24/2005	2/24/2005	
1,3-Dichlorobenzene	EPA 8260B	5B24007	1.0	ND	1	2/24/2005	2/24/2005	
1,4-Dichlorobenzene	EPA 8260B	5B24007	1.0	ND	1	2/24/2005	2/24/2005	
Dichlorodifluoromethane	EPA 8260B	5B24007	2.0	14	1	2/24/2005	2/24/2005	
1,1-Dichloroethane	EPA 8260B	5B24007	1.0	4.0	1	2/24/2005	2/24/2005	
1,2-Dichloroethane	EPA 8260B	5B24007	0.50	1.6	1	2/24/2005	2/24/2005	
1,1-Dichloroethene	EPA 8260B	5B24007	1.0	ND	1	2/24/2005	2/24/2005	
cis-1,2-Dichloroethene	EPA 8260B	5B24007	1.0	33	1	2/24/2005	2/24/2005	
trans-1,2-Dichloroethene	EPA 8260B	5B24007	1.0	ND	1	2/24/2005	2/24/2005	
1,2-Dichloropropane	EPA 8260B	5B24007	1.0	ND	1	2/24/2005	2/24/2005	
1,3-Dichloropropane	EPA 8260B	5B24007	1.0	ND	1	2/24/2005	2/24/2005	
2,2-Dichloropropane	EPA 8260B	5B24007	1.0	ND	1	2/24/2005	2/24/2005	
1,1-Dichloropropene	EPA 8260B	5B24007	1.0	ND	1	2/24/2005	2/24/2005	
cis-1,3-Dichloropropene	EPA 8260B	5B24007	0.50	ND	1	2/24/2005	2/24/2005	
trans-1,3-Dichloropropene	EPA 8260B	5B24007	0.50	ND	1	2/24/2005	2/24/2005	
Ethylbenzene	EPA 8260B	5B24007	0.50	ND	1	2/24/2005	2/24/2005	
Hexachlorobutadiene	EPA 8260B	5B24007	1.0	ND	1	2/24/2005	2/24/2005	
Isopropylbenzene	EPA 8260B	5B24007	1.0	ND	1	2/24/2005	2/24/2005	
p-Isopropyltoluene	EPA 8260B	5B24007	1.0	ND	1	2/24/2005	2/24/2005	
Methylene chloride	EPA 8260B	5B24007	5.0	ND	1	2/24/2005	2/24/2005	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	5B24007	1.0	ND	1	2/24/2005	2/24/2005	

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MWH Americas - Brea
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Attention: Lisa Hall

Project ID: Honeywell, North Hollywood
1890933.0501
Report Number: IOB1817

Sampled: 02/23/05
Received: 02/23/05

VOLATILE ORGANICS with MTBE by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IOB1817-12 (GW-14B-PA-2/23/05 - Water) - cont.								
Reporting Units: ug/l								
Naphthalene	EPA 8260B	5B24007	1.0	ND	1	2/24/2005	2/24/2005	
n-Propylbenzene	EPA 8260B	5B24007	1.0	ND	1	2/24/2005	2/24/2005	
Styrene	EPA 8260B	5B24007	1.0	ND	1	2/24/2005	2/24/2005	
1,1,1,2-Tetrachloroethane	EPA 8260B	5B24007	1.0	ND	1	2/24/2005	2/24/2005	
1,1,2,2-Tetrachloroethane	EPA 8260B	5B24007	1.0	ND	1	2/24/2005	2/24/2005	
Tetrachloroethene	EPA 8260B	5B24007	1.0	**18**	1	2/24/2005	2/24/2005	
Toluene	EPA 8260B	5B24007	0.50	ND	1	2/24/2005	2/24/2005	
1,2,3-Trichlorobenzene	EPA 8260B	5B24007	1.0	ND	1	2/24/2005	2/24/2005	
1,2,4-Trichlorobenzene	EPA 8260B	5B24007	1.0	ND	1	2/24/2005	2/24/2005	
1,1,1-Trichloroethane	EPA 8260B	5B24007	1.0	ND	1	2/24/2005	2/24/2005	
1,1,2-Trichloroethane	EPA 8260B	5B24007	1.0	ND	1	2/24/2005	2/24/2005	
Trichloroethene	EPA 8260B	5B24007	1.0	**8.7**	1	2/24/2005	2/24/2005	
Trichlorofluoromethane	EPA 8260B	5B24007	1.0	ND	1	2/24/2005	2/24/2005	
1,2,3-Trichloropropane	EPA 8260B	5B24007	1.0	ND	1	2/24/2005	2/24/2005	
1,2,4-Trimethylbenzene	EPA 8260B	5B24007	1.0	ND	1	2/24/2005	2/24/2005	
1,3,5-Trimethylbenzene	EPA 8260B	5B24007	1.0	ND	1	2/24/2005	2/24/2005	
Vinyl chloride	EPA 8260B	5B24007	0.50	ND	1	2/24/2005	2/24/2005	
o-Xylene	EPA 8260B	5B24007	0.50	ND	1	2/24/2005	2/24/2005	
m,p-Xylenes	EPA 8260B	5B24007	1.0	ND	1	2/24/2005	2/24/2005	
Surrogate: Dibromofluoromethane (80-120%)				*106 %*				
Surrogate: Toluene-d8 (80-120%)				*99 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*100 %*				

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Report Number: IOB1817

Sampled: 02/23/05
Received: 02/23/05

VOLATILE ORGANICS with MTBE by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IOB1817-13 (TB-022305 - Water)								
Reporting Units: ug/l								
Benzene	EPA 8260B	5B24014	0.50	ND	1	2/24/2005	2/24/2005	
Bromobenzene	EPA 8260B	5B24014	1.0	ND	1	2/24/2005	2/24/2005	
Bromochloromethane	EPA 8260B	5B24014	1.0	ND	1	2/24/2005	2/24/2005	
Bromodichloromethane	EPA 8260B	5B24014	1.0	ND	1	2/24/2005	2/24/2005	
Bromoform	EPA 8260B	5B24014	1.0	ND	1	2/24/2005	2/24/2005	
Bromomethane	EPA 8260B	5B24014	1.0	ND	1	2/24/2005	2/24/2005	
n-Butylbenzene	EPA 8260B	5B24014	1.0	ND	1	2/24/2005	2/24/2005	
sec-Butylbenzene	EPA 8260B	5B24014	1.0	ND	1	2/24/2005	2/24/2005	
tert-Butylbenzene	EPA 8260B	5B24014	1.0	ND	1	2/24/2005	2/24/2005	
Carbon tetrachloride	EPA 8260B	5B24014	1.0	ND	1	2/24/2005	2/24/2005	
Chlorobenzene	EPA 8260B	5B24014	0.50	ND	1	2/24/2005	2/24/2005	
Chloroethane	EPA 8260B	5B24014	1.0	ND	1	2/24/2005	2/24/2005	
Chloroform	EPA 8260B	5B24014	1.0	ND	1	2/24/2005	2/24/2005	
Chloromethane	EPA 8260B	5B24014	1.0	ND	1	2/24/2005	2/24/2005	
2-Chlorotoluene	EPA 8260B	5B24014	1.0	ND	1	2/24/2005	2/24/2005	
4-Chlorotoluene	EPA 8260B	5B24014	1.0	ND	1	2/24/2005	2/24/2005	
Dibromochloromethane	EPA 8260B	5B24014	1.0	ND	1	2/24/2005	2/24/2005	
1,2-Dibromo-3-chloropropane	EPA 8260B	5B24014	1.0	ND	1	2/24/2005	2/24/2005	
1,2-Dibromoethane (EDB)	EPA 8260B	5B24014	5.0	ND	1	2/24/2005	2/24/2005	
Dibromomethane	EPA 8260B	5B24014	1.0	ND	1	2/24/2005	2/24/2005	
1,2-Dichlorobenzene	EPA 8260B	5B24014	1.0	ND	1	2/24/2005	2/24/2005	
1,3-Dichlorobenzene	EPA 8260B	5B24014	1.0	ND	1	2/24/2005	2/24/2005	
1,4-Dichlorobenzene	EPA 8260B	5B24014	1.0	ND	1	2/24/2005	2/24/2005	
Dichlorodifluoromethane	EPA 8260B	5B24014	1.0	ND	1	2/24/2005	2/24/2005	
1,1-Dichloroethane	EPA 8260B	5B24014	2.0	ND	1	2/24/2005	2/24/2005	
1,2-Dichloroethane	EPA 8260B	5B24014	1.0	ND	1	2/24/2005	2/24/2005	
1,1-Dichloroethene	EPA 8260B	5B24014	0.50	ND	1	2/24/2005	2/24/2005	
cis-1,2-Dichloroethene	EPA 8260B	5B24014	1.0	ND	1	2/24/2005	2/24/2005	
trans-1,2-Dichloroethene	EPA 8260B	5B24014	1.0	ND	1	2/24/2005	2/24/2005	
1,2-Dichloropropane	EPA 8260B	5B24014	1.0	ND	1	2/24/2005	2/24/2005	
1,3-Dichloropropane	EPA 8260B	5B24014	1.0	ND	1	2/24/2005	2/24/2005	
2,2-Dichloropropane	EPA 8260B	5B24014	1.0	ND	1	2/24/2005	2/24/2005	
1,1-Dichloropropene	EPA 8260B	5B24014	1.0	ND	1	2/24/2005	2/24/2005	
cis-1,3-Dichloropropene	EPA 8260B	5B24014	1.0	ND	1	2/24/2005	2/24/2005	
trans-1,3-Dichloropropene	EPA 8260B	5B24014	0.50	ND	1	2/24/2005	2/24/2005	
Ethylbenzene	EPA 8260B	5B24014	0.50	ND	1	2/24/2005	2/24/2005	
Hexachlorobutadiene	EPA 8260B	5B24014	0.50	ND	1	2/24/2005	2/24/2005	
Isopropylbenzene	EPA 8260B	5B24014	1.0	ND	1	2/24/2005	2/24/2005	
p-Isopropyltoluene	EPA 8260B	5B24014	1.0	ND	1	2/24/2005	2/24/2005	
Methylene chloride	EPA 8260B	5B24014	1.0	ND	1	2/24/2005	2/24/2005	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	5B24014	5.0	ND	1	2/24/2005	2/24/2005	
	EPA 8260B	5B24014	1.0	ND	1	2/24/2005	2/24/2005	

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Project ID: Honeywell, North Hollywood
1890933.0501
Report Number: IOB1817

Sampled: 02/23/05
Received: 02/23/05

VOLATILE ORGANICS with MTBE by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IOB1817-13 (TB-022305 - Water) - cont.								
Reporting Units: ug/l								
Naphthalene	EPA 8260B	5B24014	1.0	ND	1	2/24/2005	2/24/2005	
n-Propylbenzene	EPA 8260B	5B24014	1.0	ND	1	2/24/2005	2/24/2005	
Styrene	EPA 8260B	5B24014	1.0	ND	1	2/24/2005	2/24/2005	
1,1,1,2-Tetrachloroethane	EPA 8260B	5B24014	1.0	ND	1	2/24/2005	2/24/2005	
1,1,2,2-Tetrachloroethane	EPA 8260B	5B24014	1.0	ND	1	2/24/2005	2/24/2005	
Tetrachloroethene	EPA 8260B	5B24014	1.0	ND	1	2/24/2005	2/24/2005	
Toluene	EPA 8260B	5B24014	0.50	ND	1	2/24/2005	2/24/2005	
1,2,3-Trichlorobenzene	EPA 8260B	5B24014	1.0	ND	1	2/24/2005	2/24/2005	
1,2,4-Trichlorobenzene	EPA 8260B	5B24014	1.0	ND	1	2/24/2005	2/24/2005	
1,1,1-Trichloroethane	EPA 8260B	5B24014	1.0	ND	1	2/24/2005	2/24/2005	
1,1,2-Trichloroethane	EPA 8260B	5B24014	1.0	ND	1	2/24/2005	2/24/2005	
Trichloroethene	EPA 8260B	5B24014	1.0	ND	1	2/24/2005	2/24/2005	
Trichlorofluoromethane	EPA 8260B	5B24014	1.0	ND	1	2/24/2005	2/24/2005	
1,2,3-Trichloropropane	EPA 8260B	5B24014	1.0	ND	1	2/24/2005	2/24/2005	
1,2,4-Trimethylbenzene	EPA 8260B	5B24014	1.0	ND	1	2/24/2005	2/24/2005	
1,3,5-Trimethylbenzene	EPA 8260B	5B24014	1.0	ND	1	2/24/2005	2/24/2005	
Vinyl chloride	EPA 8260B	5B24014	0.50	ND	1	2/24/2005	2/24/2005	
o-Xylene	EPA 8260B	5B24014	0.50	ND	1	2/24/2005	2/24/2005	
m,p-Xylenes	EPA 8260B	5B24014	1.0	ND	1	2/24/2005	2/24/2005	
Surrogate: Dibromofluoromethane (80-120%)				*102 %*				
Surrogate: Toluene-d8 (80-120%)				*107 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*102 %*				

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Sampled: 02/23/05
Received: 02/23/05

VOLATILE ORGANICS with MTBE by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IOB1817-14 (GW-14A-PD-2/23/05 - Water)								
Reporting Units: ug/l								
Benzene	EPA 8260B	5B25031	0.50	ND	1	2/25/2005	2/25/2005	
Bromobenzene	EPA 8260B	5B25031	1.0	ND	1	2/25/2005	2/25/2005	
Bromochloromethane	EPA 8260B	5B25031	1.0	ND	1	2/25/2005	2/25/2005	
Bromodichloromethane	EPA 8260B	5B25031	1.0	ND	1	2/25/2005	2/25/2005	
Bromoform	EPA 8260B	5B25031	1.0	ND	1	2/25/2005	2/25/2005	
Bromomethane	EPA 8260B	5B25031	1.0	ND	1	2/25/2005	2/25/2005	
n-Butylbenzene	EPA 8260B	5B25031	1.0	ND	1	2/25/2005	2/25/2005	
sec-Butylbenzene	EPA 8260B	5B25031	1.0	ND	1	2/25/2005	2/25/2005	
tert-Butylbenzene	EPA 8260B	5B25031	1.0	ND	1	2/25/2005	2/25/2005	
Carbon tetrachloride	EPA 8260B	5B25031	1.0	ND	1	2/25/2005	2/25/2005	
Chlorobenzene	EPA 8260B	5B25031	0.50	ND	1	2/25/2005	2/25/2005	
Chloroethane	EPA 8260B	5B25031	1.0	ND	1	2/25/2005	2/25/2005	
Chloroform	EPA 8260B	5B25031	1.0	ND	1	2/25/2005	2/25/2005	
Chloromethane	EPA 8260B	5B25031	1.0	ND	1	2/25/2005	2/25/2005	
2-Chlorotoluene	EPA 8260B	5B25031	1.0	ND	1	2/25/2005	2/25/2005	
Chlorotoluene	EPA 8260B	5B25031	1.0	ND	1	2/25/2005	2/25/2005	
Dibromochloromethane	EPA 8260B	5B25031	1.0	ND	1	2/25/2005	2/25/2005	
1,2-Dibromo-3-chloropropane	EPA 8260B	5B25031	1.0	ND	1	2/25/2005	2/25/2005	
1,2-Dibromoethane (EDB)	EPA 8260B	5B25031	5.0	ND	1	2/25/2005	2/25/2005	
Dibromomethane	EPA 8260B	5B25031	1.0	ND	1	2/25/2005	2/25/2005	
1,2-Dichlorobenzene	EPA 8260B	5B25031	1.0	ND	1	2/25/2005	2/25/2005	
1,3-Dichlorobenzene	EPA 8260B	5B25031	1.0	ND	1	2/25/2005	2/25/2005	
1,4-Dichlorobenzene	EPA 8260B	5B25031	1.0	ND	1	2/25/2005	2/25/2005	
Dichlorodifluoromethane	EPA 8260B	5B25031	2.0	3.8	1	2/25/2005	2/25/2005	
1,1-Dichloroethane	EPA 8260B	5B25031	1.0	3.5	1	2/25/2005	2/25/2005	
1,2-Dichloroethane	EPA 8260B	5B25031	0.50	1.3	1	2/25/2005	2/25/2005	
1,1-Dichloroethene	EPA 8260B	5B25031	1.0	1.1	1	2/25/2005	2/25/2005	
cis-1,2-Dichloroethene	EPA 8260B	5B25031	1.0	25	1	2/25/2005	2/25/2005	
trans-1,2-Dichloroethene	EPA 8260B	5B25031	1.0	ND	1	2/25/2005	2/25/2005	
1,2-Dichloropropane	EPA 8260B	5B25031	1.0	ND	1	2/25/2005	2/25/2005	
1,3-Dichloropropane	EPA 8260B	5B25031	1.0	ND	1	2/25/2005	2/25/2005	
2,2-Dichloropropane	EPA 8260B	5B25031	1.0	ND	1	2/25/2005	2/25/2005	
1,1-Dichloropropene	EPA 8260B	5B25031	1.0	ND	1	2/25/2005	2/25/2005	
cis-1,3-Dichloropropene	EPA 8260B	5B25031	0.50	ND	1	2/25/2005	2/25/2005	
trans-1,3-Dichloropropene	EPA 8260B	5B25031	0.50	ND	1	2/25/2005	2/25/2005	
Ethylbenzene	EPA 8260B	5B25031	0.50	ND	1	2/25/2005	2/25/2005	
Hexachlorobutadiene	EPA 8260B	5B25031	1.0	ND	1	2/25/2005	2/25/2005	
Isopropylbenzene	EPA 8260B	5B25031	1.0	ND	1	2/25/2005	2/25/2005	
p-Isopropyltoluene	EPA 8260B	5B25031	1.0	ND	1	2/25/2005	2/25/2005	
Methylene chloride	EPA 8260B	5B25031	5.0	ND	1	2/25/2005	2/25/2005	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	5B25031	1.0	ND	1	2/25/2005	2/25/2005	

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Attention: Lisa Hall

Project ID: Honeywell, North Hollywood
1890933.0501
Report Number: IOB1817

Sampled: 02/23/05
Received: 02/23/05

VOLATILE ORGANICS with MTBE by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IOB1817-14 (GW-14A-PD-2/23/05 - Water) - cont.								
Reporting Units: ug/l								
Naphthalene	EPA 8260B	5B25031	1.0	ND	1	2/25/2005	2/25/2005	
n-Propylbenzene	EPA 8260B	5B25031	1.0	ND	1	2/25/2005	2/25/2005	
Styrene	EPA 8260B	5B25031	1.0	ND	1	2/25/2005	2/25/2005	
1,1,1,2-Tetrachloroethane	EPA 8260B	5B25031	1.0	ND	1	2/25/2005	2/25/2005	
1,1,2,2-Tetrachloroethane	EPA 8260B	5B25031	1.0	ND	1	2/25/2005	2/25/2005	
Tetrachloroethene	EPA 8260B	5B25031	1.0	**14**	1	2/25/2005	2/25/2005	
Toluene	EPA 8260B	5B25031	0.50	ND	1	2/25/2005	2/25/2005	
1,2,3-Trichlorobenzene	EPA 8260B	5B25031	1.0	ND	1	2/25/2005	2/25/2005	
1,2,4-Trichlorobenzene	EPA 8260B	5B25031	1.0	ND	1	2/25/2005	2/25/2005	
1,1,1-Trichloroethane	EPA 8260B	5B25031	1.0	ND	1	2/25/2005	2/25/2005	
1,1,2-Trichloroethane	EPA 8260B	5B25031	1.0	ND	1	2/25/2005	2/25/2005	
Trichloroethene	EPA 8260B	5B25031	1.0	**24**	1	2/25/2005	2/25/2005	
Trichlorofluoromethane	EPA 8260B	5B25031	1.0	ND	1	2/25/2005	2/25/2005	
1,2,3-Trichloropropane	EPA 8260B	5B25031	1.0	ND	1	2/25/2005	2/25/2005	
1,2,4-Trimethylbenzene	EPA 8260B	5B25031	1.0	ND	1	2/25/2005	2/25/2005	
1,3,5-Trimethylbenzene	EPA 8260B	5B25031	1.0	ND	1	2/25/2005	2/25/2005	
Vinyl chloride	EPA 8260B	5B25031	0.50	ND	1	2/25/2005	2/25/2005	
o-Xylene	EPA 8260B	5B25031	0.50	ND	1	2/25/2005	2/25/2005	
m,p-Xylenes	EPA 8260B	5B25031	1.0	ND	1	2/25/2005	2/25/2005	
Surrogate: Dibromofluoromethane (80-120%)				*106 %*				
Surrogate: Toluene-d8 (80-120%)				*113 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*106 %*				

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SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3520C/8270C MOD)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IOB1817-04 (GW-3-2/23/05 - Water)								
Reporting Units: ug/l								
1,4-Dioxane	EPA 8270C MOD	5B24040	1.0	5.4	0.962	2/24/2005	2/25/2005	
Surrogate: 1,4-Dioxane-d8 (35-120%)				*60 %*				

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Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IOB1817-01 (GW-1-2/23/05-F - Water)								
Reporting Units: mg/l								
Antimony	EPA 6010B	5B24047	0.010	ND	1	2/24/2005	2/24/2005	
Arsenic	EPA 6010B	5B24047	0.0050	**0.012**	1	2/24/2005	2/25/2005	
Barium	EPA 6010B	5B24047	0.010	**0.37**	1	2/24/2005	2/24/2005	
Beryllium	EPA 6010B	5B24047	0.0040	ND	1	2/24/2005	2/24/2005	
Cadmium	EPA 6010B	5B24047	0.0050	ND	1	2/24/2005	2/24/2005	
Chromium	EPA 6010B	5B24047	0.0050	ND	1	2/24/2005	2/24/2005	
Cobalt	EPA 6010B	5B24047	0.010	ND	1	2/24/2005	2/24/2005	
Copper	EPA 6010B	5B24047	0.010	ND	1	2/24/2005	2/24/2005	
Lead	EPA 6010B	5B24047	0.0050	ND	1	2/24/2005	2/24/2005	
Mercury	EPA 7470A	5B24046	0.00020	ND	1	2/24/2005	2/24/2005	
Molybdenum	EPA 6010B	5B24047	0.020	ND	1	2/24/2005	2/24/2005	
Nickel	EPA 6010B	5B24047	0.010	ND	1	2/24/2005	2/24/2005	
Selenium	EPA 6010B	5B24047	0.0050	ND	1	2/24/2005	2/25/2005	
Silver	EPA 6010B	5B24047	0.010	ND	1	2/24/2005	2/25/2005	
Vanadium	EPA 6010B	5B24047	0.010	ND	1	2/24/2005	2/24/2005	
Zinc	EPA 6010B	5B24047	0.020	**0.055**	1	2/24/2005	2/24/2005	
Sample ID: IOB1817-01 (GW-1-2/23/05-F - Water)								
Reporting Units: ug/l								
Thallium	EPA 6020	5B24052	1.0	ND	1	2/24/2005	2/24/2005	
Sample ID: IOB1817-03 (GW-3-2/23/05-F - Water)								
Reporting Units: mg/l								
Antimony	EPA 6010B	5B24047	0.010	ND	1	2/24/2005	2/24/2005	
Arsenic	EPA 6010B	5B24047	0.0050	**0.0082**	1	2/24/2005	2/25/2005	
Barium	EPA 6010B	5B24047	0.010	**0.36**	1	2/24/2005	2/24/2005	
Beryllium	EPA 6010B	5B24047	0.0040	ND	1	2/24/2005	2/24/2005	
Cadmium	EPA 6010B	5B24047	0.0050	ND	1	2/24/2005	2/24/2005	
Chromium	EPA 6010B	5B24047	0.0050	**0.18**	1	2/24/2005	2/24/2005	
Cobalt	EPA 6010B	5B24047	0.010	ND	1	2/24/2005	2/24/2005	
Copper	EPA 6010B	5B24047	0.010	ND	1	2/24/2005	2/24/2005	
Lead	EPA 6010B	5B24047	0.0050	ND	1	2/24/2005	2/24/2005	
Mercury	EPA 7470A	5B24046	0.00020	ND	1	2/24/2005	2/24/2005	
Molybdenum	EPA 6010B	5B24047	0.020	ND	1	2/24/2005	2/24/2005	
Nickel	EPA 6010B	5B24047	0.010	ND	1	2/24/2005	2/24/2005	
Selenium	EPA 6010B	5B24047	0.0050	ND	1	2/24/2005	2/25/2005	
Silver	EPA 6010B	5B24047	0.010	ND	1	2/24/2005	2/25/2005	
Vanadium	EPA 6010B	5B24047	0.010	ND	1	2/24/2005	2/24/2005	
Zinc	EPA 6010B	5B24047	0.020	**0.072**	1	2/24/2005	2/24/2005	
Sample ID: IOB1817-03 (GW-3-2/23/05-F - Water)								
Reporting Units: ug/l								

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METALS

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IOB1817-03 (GW-3-2/23/05-F - Water)								
Reporting Units: ug/l								
Thallium	EPA 6020	5B24052	1.0	ND	1	2/24/2005	2/24/2005	
Sample ID: IOB1817-05 (GW-14A-PA-2/23/05-F - Water)								
Reporting Units: mg/l								
Antimony	EPA 6010B	5B24047	0.010	ND	1	2/24/2005	2/24/2005	
Arsenic	EPA 6010B	5B24047	0.0050	ND	1	2/24/2005	2/24/2005	
Barium	EPA 6010B	5B24047	0.010	**0.38**	1	2/24/2005	2/24/2005	
Beryllium	EPA 6010B	5B24047	0.0040	ND	1	2/24/2005	2/24/2005	
Cadmium	EPA 6010B	5B24047	0.0050	ND	1	2/24/2005	2/24/2005	
Chromium	EPA 6010B	5B24047	0.0050	**0.43**	1	2/24/2005	2/24/2005	
Cobalt	EPA 6010B	5B24047	0.010	ND	1	2/24/2005	2/24/2005	
Copper	EPA 6010B	5B24047	0.010	ND	1	2/24/2005	2/24/2005	
Lead	EPA 6010B	5B24047	0.0050	ND	1	2/24/2005	2/24/2005	
Mercury	EPA 7470A	5B24046	0.00020	ND	1	2/24/2005	2/24/2005	
Molybdenum	EPA 6010B	5B24047	0.020	ND	1	2/24/2005	2/24/2005	
Nickel	EPA 6010B	5B24047	0.010	ND	1	2/24/2005	2/24/2005	
Selenium	EPA 6010B	5B24047	0.0050	ND	1	2/24/2005	2/25/2005	
Silver	EPA 6010B	5B24047	0.010	ND	1	2/24/2005	2/25/2005	
Vanadium	EPA 6010B	5B24047	0.010	ND	1	2/24/2005	2/24/2005	
Zinc	EPA 6010B	5B24047	0.020	**0.15**	1	2/24/2005	2/24/2005	
Sample ID: IOB1817-05 (GW-14A-PA-2/23/05-F - Water)								
Reporting Units: ug/l								
Thallium	EPA 6020	5B24052	1.0	ND	1	2/24/2005	2/24/2005	
Sample ID: IOB1817-07 (GW-14A-2/23/05-F - Water)								
Reporting Units: mg/l								
Antimony	EPA 6010B	5B24047	0.010	ND	1	2/24/2005	2/24/2005	
Arsenic	EPA 6010B	5B24047	0.0050	ND	1	2/24/2005	2/24/2005	
Barium	EPA 6010B	5B24047	0.010	**0.36**	1	2/24/2005	2/24/2005	
Beryllium	EPA 6010B	5B24047	0.0040	ND	1	2/24/2005	2/24/2005	
Cadmium	EPA 6010B	5B24047	0.0050	ND	1	2/24/2005	2/24/2005	
Chromium	EPA 6010B	5B24047	0.0050	**0.82**	1	2/24/2005	2/24/2005	
Cobalt	EPA 6010B	5B24047	0.010	ND	1	2/24/2005	2/24/2005	
Copper	EPA 6010B	5B24047	0.010	ND	1	2/24/2005	2/24/2005	
Lead	EPA 6010B	5B24047	0.0050	ND	1	2/24/2005	2/24/2005	
Mercury	EPA 7470A	5B24046	0.00020	ND	1	2/24/2005	2/24/2005	
Molybdenum	EPA 6010B	5B24047	0.020	ND	1	2/24/2005	2/24/2005	
Nickel	EPA 6010B	5B24047	0.010	ND	1	2/24/2005	2/24/2005	
Selenium	EPA 6010B	5B24047	0.0050	ND	1	2/24/2005	2/25/2005	
Silver	EPA 6010B	5B24047	0.010	ND	1	2/24/2005	2/25/2005	
Vanadium	EPA 6010B	5B24047	0.010	ND	1	2/24/2005	2/24/2005	

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METALS

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IOB1817-07 (GW-14A-2/23/05-F - Water) - cont.								
Reporting Units: mg/l								
Zinc	EPA 6010B	5B24047	0.020	**0.058**	1	2/24/2005	2/24/2005	
Sample ID: IOB1817-07 (GW-14A-2/23/05-F - Water)								
Reporting Units: ug/l								
Thallium	EPA 6020	5B24052	1.0	ND	1	2/24/2005	2/24/2005	
Sample ID: IOB1817-09 (GW-14A-PC-2/23/05-F - Water)								
Reporting Units: mg/l								
Antimony	EPA 6010B	5B24047	0.010	ND	1	2/24/2005	2/24/2005	
Arsenic	EPA 6010B	5B24047	0.0050	ND	1	2/24/2005	2/24/2005	
Barium	EPA 6010B	5B24047	0.010	**0.39**	1	2/24/2005	2/24/2005	
Beryllium	EPA 6010B	5B24047	0.0040	ND	1	2/24/2005	2/24/2005	
Cadmium	EPA 6010B	5B24047	0.0050	ND	1	2/24/2005	2/24/2005	
Chromium	EPA 6010B	5B24047	0.0050	**1.1**	1	2/24/2005	2/24/2005	
Cobalt	EPA 6010B	5B24047	0.010	ND	1	2/24/2005	2/24/2005	
Copper	EPA 6010B	5B24047	0.010	ND	1	2/24/2005	2/24/2005	
Lead	EPA 6010B	5B24047	0.0050	ND	1	2/24/2005	2/24/2005	
Mercury	EPA 7470A	5B24046	0.00020	ND	1	2/24/2005	2/24/2005	
Molybdenum	EPA 6010B	5B24047	0.020	ND	1	2/24/2005	2/24/2005	
Nickel	EPA 6010B	5B24047	0.010	ND	1	2/24/2005	2/24/2005	
Selenium	EPA 6010B	5B24047	0.0050	ND	1	2/24/2005	2/25/2005	
Silver	EPA 6010B	5B24047	0.010	ND	1	2/24/2005	2/25/2005	
Vanadium	EPA 6010B	5B24047	0.010	ND	1	2/24/2005	2/24/2005	
Zinc	EPA 6010B	5B24047	0.020	**0.086**	1	2/24/2005	2/24/2005	
Sample ID: IOB1817-09 (GW-14A-PC-2/23/05-F - Water)								
Reporting Units: ug/l								
Thallium	EPA 6020	5B24052	1.0	ND	1	2/24/2005	2/24/2005	

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Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IOB1817-11 (GW-14B-PA-2/23/05-F - Water)								
Reporting Units: mg/l								
Antimony	EPA 6010B	5B24047	0.010	ND	1	2/24/2005	2/24/2005	
Arsenic	EPA 6010B	5B24047	0.0050	ND	1	2/24/2005	2/24/2005	
Barium	EPA 6010B	5B24047	0.010	**0.61**	1	2/24/2005	2/24/2005	
Beryllium	EPA 6010B	5B24047	0.0040	ND	1	2/24/2005	2/24/2005	
Cadmium	EPA 6010B	5B24047	0.0050	ND	1	2/24/2005	2/24/2005	
Chromium	EPA 6010B	5B24047	0.0050	**0.046**	1	2/24/2005	2/24/2005	
Cobalt	EPA 6010B	5B24047	0.010	ND	1	2/24/2005	2/24/2005	
Copper	EPA 6010B	5B24047	0.010	ND	1	2/24/2005	2/24/2005	
Lead	EPA 6010B	5B24047	0.0050	ND	1	2/24/2005	2/24/2005	
Mercury	EPA 7470A	5B24046	0.00020	ND	1	2/24/2005	2/24/2005	
Molybdenum	EPA 6010B	5B24047	0.020	ND	1	2/24/2005	2/24/2005	
Nickel	EPA 6010B	5B24047	0.010	ND	1	2/24/2005	2/24/2005	
Selenium	EPA 6010B	5B24047	0.0050	ND	1	2/24/2005	2/25/2005	
Silver	EPA 6010B	5B24047	0.010	ND	1	2/24/2005	2/25/2005	
Vanadium	EPA 6010B	5B24047	0.010	ND	1	2/24/2005	2/24/2005	
Zinc	EPA 6010B	5B24047	0.020	**0.13**	1	2/24/2005	2/24/2005	
Sample ID: IOB1817-11 (GW-14B-PA-2/23/05-F - Water)								
Reporting Units: ug/l								
Thallium	EPA 6020	5B24052	1.0	ND	1	2/24/2005	2/24/2005	
Sample ID: IOB1817-14 (GW-14A-PD-2/23/05 - Water)								
Reporting Units: mg/l								
Antimony	EPA 6010B	5B25093	0.010	ND	1	2/25/2005	2/26/2005	
Arsenic	EPA 6010B	5B25093	0.0050	ND	1	2/25/2005	2/26/2005	
Barium	EPA 6010B	5B25093	0.010	**0.47**	1	2/25/2005	2/26/2005	
Beryllium	EPA 6010B	5B25093	0.0040	ND	1	2/25/2005	2/26/2005	
Cadmium	EPA 6010B	5B25093	0.0050	ND	1	2/25/2005	2/26/2005	
Chromium	EPA 6010B	5B25093	0.0050	**4.2**	1	2/25/2005	2/26/2005	
Cobalt	EPA 6010B	5B25093	0.010	ND	1	2/25/2005	2/26/2005	
Copper	EPA 6010B	5B25093	0.010	ND	1	2/25/2005	2/26/2005	
Lead	EPA 6010B	5B25093	0.0050	ND	1	2/25/2005	2/26/2005	
Mercury	EPA 7470A	5B25106	0.00020	ND	1	2/25/2005	2/25/2005	
Molybdenum	EPA 6010B	5B25093	0.020	ND	1	2/25/2005	2/26/2005	
Nickel	EPA 6010B	5B25093	0.010	ND	1	2/25/2005	2/26/2005	
Selenium	EPA 6010B	5B25093	0.0050	ND	1	2/25/2005	2/26/2005	
Silver	EPA 6010B	5B25093	0.010	ND	1	2/25/2005	2/26/2005	
Vanadium	EPA 6010B	5B25093	0.010	ND	1	2/25/2005	2/26/2005	
Zinc	EPA 6010B	5B25093	0.020	**0.12**	1	2/25/2005	2/26/2005	
Sample ID: IOB1817-14 (GW-14A-PD-2/23/05 - Water)								
Reporting Units: ug/l								

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MWH Americas - Brea
3050 Saturn Ave., Suite 205
Brea, CA 92821
Attention: Lisa Hall

Project ID: Honeywell, North Hollywood
1890933.0501
Report Number: IOB1817

Sampled: 02/23/05
Received: 02/23/05

METALS

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IOB1817-14 (GW-14A-PD-2/23/05 - Water)								
Reporting Units: ug/l								
Thallium	EPA 6020	5B25114	1.0	ND	1	2/25/2005	2/26/2005	

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Attention: Lisa Hall

Project ID: Honeywell, North Hollywood
1890933.0501
Report Number: IOB1817

Sampled: 02/23/05
Received: 02/23/05

INORGANICS

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IOB1817-02 (GW-1-2/23/05 - Water)								
Reporting Units: mg/l								
Chromium VI	EPA 7199	5B23063	0.0010	**0.0018**	1	2/23/2005	2/23/2005	
Sample ID: IOB1817-02 (GW-1-2/23/05 - Water)								
Reporting Units: ug/l								
Perchlorate	EPA 314.0	5B24061	2.0	ND	1	2/24/2005	2/24/2005	
Sample ID: IOB1817-04 (GW-3-2/23/05 - Water)								
Reporting Units: mg/l								
Chromium VI	EPA 7199	5B23063	0.0050	**0.17**	5	2/23/2005	2/23/2005	
Sample ID: IOB1817-04 (GW-3-2/23/05 - Water)								
Reporting Units: ug/l								
Perchlorate	EPA 314.0	5B24061	2.0	ND	1	2/24/2005	2/24/2005	
Sample ID: IOB1817-06 (GW-14A-PA-2/23/05 - Water)								
Reporting Units: mg/l								
Chromium VI	EPA 7199	5B23063	0.010	**0.39**	10	2/23/2005	2/23/2005	
Sample ID: IOB1817-08 (GW-14A-2/23/05 - Water)								
Reporting Units: mg/l								
Chromium VI	EPA 7199	5B23063	0.020	**0.72**	20	2/23/2005	2/24/2005	
Sample ID: IOB1817-10 (GW-14A-PC-2/23/05 - Water)								
Reporting Units: mg/l								
Chromium VI	EPA 7199	5B23063	0.020	**1.1**	20	2/23/2005	2/24/2005	
Sample ID: IOB1817-12 (GW-14B-PA-2/23/05 - Water)								
Reporting Units: mg/l								
Chromium VI	EPA 7199	5B23063	0.0010	**0.048**	1	2/23/2005	2/23/2005	
Sample ID: IOB1817-14 (GW-14A-PD-2/23/05 - Water)								
Reporting Units: mg/l								
Chromium VI	EPA 7199	5B25084	0.050	**3.4**	50	2/25/2005	2/25/2005	H
Sample ID: IOB1817-14 (GW-14A-PD-2/23/05 - Water)								
Reporting Units: ug/l								
Perchlorate	EPA 314.0	5B25064	2.0	**9.9**	1	2/25/2005	2/25/2005	

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Attention: Lisa Hall

Project ID: Honeywell, North Hollywood
1890933.0501
Report Number: IOB1817

Sampled: 02/23/05
Received: 02/23/05

SHORT HOLD TIME DETAIL REPORT

	Hold Time (in days)	Date/Time Sampled	Date/Time Received	Date/Time Extracted	Date/Time Analyzed
Sample ID: GW-1-2/23/05 (IOB1817-02) - Water					
EPA 7199	1	02/23/2005 08:45	02/23/2005 21:00	02/23/2005 21:15	02/23/2005 21:49
Sample ID: GW-3-2/23/05 (IOB1817-04) - Water					
EPA 7199	1	02/23/2005 10:15	02/23/2005 21:00	02/23/2005 21:15	02/23/2005 23:30
Sample ID: GW-14A-PA-2/23/05 (IOB1817-06) - Water					
EPA 7199	1	02/23/2005 11:00	02/23/2005 21:00	02/23/2005 21:15	02/23/2005 23:40
Sample ID: GW-14A-2/23/05 (IOB1817-08) - Water					
EPA 7199	1	02/23/2005 11:55	02/23/2005 21:00	02/23/2005 21:15	02/24/2005 00:10
Sample ID: GW-14A-PC-2/23/05 (IOB1817-10) - Water					
EPA 7199	1	02/23/2005 12:55	02/23/2005 21:00	02/23/2005 21:15	02/24/2005 00:20
Sample ID: GW-14B-PA-2/23/05 (IOB1817-12) - Water					
EPA 7199	1	02/23/2005 15:10	02/23/2005 21:00	02/23/2005 21:15	02/23/2005 22:40
Sample ID: GW-14A-PD-2/23/05 (IOB1817-14) - Water					
EPA 7199	1	02/23/2005 14:00	02/23/2005 21:00	02/25/2005 14:10	02/25/2005 17:29

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Project ID: Honeywell, North Hollywood
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Report Number: IOB1817

Sampled: 02/23/05
Received: 02/23/05

METHOD BLANK/QC DATA

VOLATILE ORGANICS with MTBE by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 5B24007 Extracted: 02/24/05										
Blank Analyzed: 02/24/2005 (5B24007-BLK1)										
Benzene	ND	0.50	ug/l							
Bromobenzene	ND	1.0	ug/l							
Bromochloromethane	ND	1.0	ug/l							
Bromodichloromethane	ND	1.0	ug/l							
Bromoform	ND	1.0	ug/l							
Bromomethane	ND	1.0	ug/l							
n-Butylbenzene	ND	1.0	ug/l							
sec-Butylbenzene	ND	1.0	ug/l							
tert-Butylbenzene	ND	1.0	ug/l							
Carbon tetrachloride	ND	0.50	ug/l							
Chlorobenzene	ND	1.0	ug/l							
Chloroethane	ND	1.0	ug/l							
Chloroform	ND	1.0	ug/l							
Chloromethane	ND	1.0	ug/l							
2-Chlorotoluene	ND	1.0	ug/l							
4-Chlorotoluene	ND	1.0	ug/l							
Dibromochloromethane	ND	1.0	ug/l							
1,2-Dibromo-3-chloropropane	ND	5.0	ug/l							
1,2-Dibromoethane (EDB)	ND	1.0	ug/l							
Dibromomethane	ND	1.0	ug/l							
1,2-Dichlorobenzene	ND	1.0	ug/l							
1,3-Dichlorobenzene	ND	1.0	ug/l							
1,4-Dichlorobenzene	ND	1.0	ug/l							
Dichlorodifluoromethane	ND	2.0	ug/l							
1,1-Dichloroethane	ND	1.0	ug/l							
1,2-Dichloroethane	ND	0.50	ug/l							
1,1-Dichloroethene	ND	1.0	ug/l							
cis-1,2-Dichloroethene	ND	1.0	ug/l							
trans-1,2-Dichloroethene	ND	1.0	ug/l							
1,2-Dichloropropane	ND	1.0	ug/l							
1,3-Dichloropropane	ND	1.0	ug/l							
2,2-Dichloropropane	ND	1.0	ug/l							
1,1-Dichloropropene	ND	1.0	ug/l							
cis-1,3-Dichloropropene	ND	0.50	ug/l							
trans-1,3-Dichloropropene	ND	0.50	ug/l							

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Del Mar Analytical

MWH Americas - Brea 3050 Saturn Ave., Suite 205 Brea, CA 92821 Attention: Lisa Hall	Project ID: Honeywell, North Hollywood 1890933.0501 Report Number: IOB1817	Sampled: 02/23/05 Received: 02/23/05

METHOD BLANK/QC DATA

VOLATILE ORGANICS with MTBE by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 5B24007 Extracted: 02/24/05										
Blank Analyzed: 02/24/2005 (5B24007-BLK1)										
Ethylbenzene	ND	0.50	ug/l							
Hexachlorobutadiene	ND	1.0	ug/l							
Isopropylbenzene	ND	1.0	ug/l							
p-Isopropyltoluene	ND	1.0	ug/l							
Methylene chloride	ND	5.0	ug/l							
Methyl-tert-butyl Ether (MTBE)	ND	1.0	ug/l							
Naphthalene	ND	1.0	ug/l							
n-Propylbenzene	ND	1.0	ug/l							
Styrene	ND	1.0	ug/l							
1,1,1,2-Tetrachloroethane	ND	1.0	ug/l							
1,1,2,2-Tetrachloroethane	ND	1.0	ug/l							
Tetrachloroethene	ND	1.0	ug/l							
Toluene	ND	0.50	ug/l							
1,2,3-Trichlorobenzene	ND	1.0	ug/l							
1,2,4-Trichlorobenzene	ND	1.0	ug/l							
1,1,1-Trichloroethane	ND	1.0	ug/l							
1,1,2-Trichloroethane	ND	1.0	ug/l							
Trichloroethene	ND	1.0	ug/l							
Trichlorofluoromethane	ND	1.0	ug/l							
1,2,3-Trichloropropane	ND	1.0	ug/l							
1,2,4-Trimethylbenzene	ND	1.0	ug/l							
1,3,5-Trimethylbenzene	ND	1.0	ug/l							
Vinyl chloride	ND	0.50	ug/l							
o-Xylene	ND	0.50	ug/l							
m,p-Xylenes	ND	1.0	ug/l							
Surrogate: Dibromofluoromethane	*25.1*		*ug/l*	*25.0*		*100*	*80-120*			
Surrogate: Toluene-d8	*23.5*		*ug/l*	*25.0*		*94*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*23.7*		*ug/l*	*25.0*		*95*	*80-120*			

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Attention: Lisa Hall

Project ID: Honeywell, North Hollywood
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Report Number: IOB1817

Sampled: 02/23/05
Received: 02/23/05

METHOD BLANK/QC DATA

VOLATILE ORGANICS with MTBE by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 5B24007 Extracted: 02/24/05										
LCS Analyzed: 02/24/2005 (5B24007-BS1)										
Benzene	24.7	0.50	ug/l	25.0		99	70-120			
Bromobenzene	23.6	1.0	ug/l	25.0		94	80-120			
Bromochloromethane	23.9	1.0	ug/l	25.0		96	65-135			
Bromodichloromethane	23.2	1.0	ug/l	25.0		93	70-140			
Bromoform	19.7	1.0	ug/l	25.0		79	55-135			
Bromomethane	23.9	1.0	ug/l	25.0		96	60-140			
n-Butylbenzene	25.8	1.0	ug/l	25.0		103	75-130			
sec-Butylbenzene	23.9	1.0	ug/l	25.0		96	75-125			
tert-Butylbenzene	23.4	1.0	ug/l	25.0		94	75-125			
Carbon tetrachloride	22.9	0.50	ug/l	25.0		92	70-140			
Chlorobenzene	23.8	1.0	ug/l	25.0		95	80-125			
Chloroethane	23.9	1.0	ug/l	25.0		96	60-145			
Chloroform	25.8	1.0	ug/l	25.0		103	75-130			
Chloromethane	22.4	1.0	ug/l	25.0		90	40-145			
2-Chlorotoluene	23.5	1.0	ug/l	25.0		94	75-125			
4-Chlorotoluene	24.1	1.0	ug/l	25.0		96	75-125			
Dibromochloromethane	23.5	1.0	ug/l	25.0		94	65-145			
1,2-Dibromo-3-chloropropane	22.3	5.0	ug/l	25.0		89	50-135			
1,2-Dibromoethane (EDB)	24.3	1.0	ug/l	25.0		97	75-125			
Dibromomethane	23.8	1.0	ug/l	25.0		95	75-130			
1,2-Dichlorobenzene	23.8	1.0	ug/l	25.0		95	80-120			
1,3-Dichlorobenzene	23.4	1.0	ug/l	25.0		94	80-120			
1,4-Dichlorobenzene	23.1	1.0	ug/l	25.0		92	80-120			
Dichlorodifluoromethane	20.8	2.0	ug/l	25.0		83	10-160			
1,1-Dichloroethane	25.0	1.0	ug/l	25.0		100	70-135			
1,2-Dichloroethane	24.6	0.50	ug/l	25.0		98	60-150			
1,1-Dichloroethene	24.2	1.0	ug/l	25.0		97	75-135			
cis-1,2-Dichloroethene	24.5	1.0	ug/l	25.0		98	70-125			
trans-1,2-Dichloroethene	25.0	1.0	ug/l	25.0		100	70-130			
1,2-Dichloropropane	24.2	1.0	ug/l	25.0		97	70-120			
1,3-Dichloropropane	24.6	1.0	ug/l	25.0		98	70-130			
2,2-Dichloropropane	25.6	1.0	ug/l	25.0		102	65-150			
1,1-Dichloropropene	24.6	1.0	ug/l	25.0		98	75-130			
cis-1,3-Dichloropropene	25.1	0.50	ug/l	25.0		100	75-130			
trans-1,3-Dichloropropene	24.4	0.50	ug/l	25.0		98	75-135			

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Attention: Lisa Hall

Project ID: Honeywell, North Hollywood
1890933.0501
Report Number: IOB1817

Sampled: 02/23/05
Received: 02/23/05

METHOD BLANK/QC DATA

VOLATILE ORGANICS with MTBE by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 5B24007 Extracted: 02/24/05										
LCS Analyzed: 02/24/2005 (5B24007-BS1)										
Ethylbenzene	25.1	0.50	ug/l	25.0		100	80-120			
Hexachlorobutadiene	22.0	1.0	ug/l	25.0		88	65-140			
Isopropylbenzene	24.2	1.0	ug/l	25.0		97	75-125			
p-Isopropyltoluene	23.8	1.0	ug/l	25.0		95	75-125			
Methylene chloride	25.3	5.0	ug/l	25.0		101	60-135			
Methyl-tert-butyl Ether (MTBE)	25.1	1.0	ug/l	25.0		100	55-145			
Naphthalene	24.8	1.0	ug/l	25.0		99	50-145			
n-Propylbenzene	24.8	1.0	ug/l	25.0		99	75-130			
Styrene	24.8	1.0	ug/l	25.0		99	80-135			
1,1,1,2-Tetrachloroethane	23.4	1.0	ug/l	25.0		94	70-145			
1,1,2,2-Tetrachloroethane	24.0	1.0	ug/l	25.0		96	60-135			
Tetrachloroethene	22.3	1.0	ug/l	25.0		89	75-125			
Toluene	24.2	0.50	ug/l	25.0		97	75-120			
1,2,3-Trichlorobenzene	24.4	1.0	ug/l	25.0		98	65-135			
1,2,4-Trichlorobenzene	24.9	1.0	ug/l	25.0		100	70-140			
1,1,1-Trichloroethane	24.6	1.0	ug/l	25.0		98	75-140			
1,1,2-Trichloroethane	24.2	1.0	ug/l	25.0		97	70-125			
Trichloroethene	23.3	1.0	ug/l	25.0		93	80-120			
Trichlorofluoromethane	24.3	1.0	ug/l	25.0		97	65-145			
1,2,3-Trichloropropane	23.7	1.0	ug/l	25.0		95	60-130			
1,2,4-Trimethylbenzene	24.2	1.0	ug/l	25.0		97	75-125			
1,3,5-Trimethylbenzene	24.6	1.0	ug/l	25.0		98	75-125			
Vinyl chloride	22.7	0.50	ug/l	25.0		91	50-130			
o-Xylene	23.8	0.50	ug/l	25.0		95	75-125			
m,p-Xylenes	48.8	1.0	ug/l	50.0		98	75-120			
Surrogate: Dibromofluoromethane	*25.0*		*ug/l*	*25.0*		*100*	*80-120*			
Surrogate: Toluene-d8	*24.1*		*ug/l*	*25.0*		*96*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*24.4*		*ug/l*	*25.0*		*98*	*80-120*			

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WH Americas - Brea
050 Saturn Ave., Suite 205
Brea, CA 92821
Attention: Lisa Hall

Project ID: Honeywell, North Hollywood
1890933.0501
Report Number: IOB1817

Sampled: 02/23/05
Received: 02/23/05

METHOD BLANK QC DATA

VOLATILE ORGANICS with MTBE by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 5B24007 Extracted: 02/24/05										
Matrix Spike Analyzed: 02/24/2005 (5B24007-MS1)					**Source: IOB1817-12**					
Benzene	27.1	0.50	ug/l	25.0	ND	108	70-120			
Bromobenzene	25.4	1.0	ug/l	25.0	ND	102	65-130			
Bromochloromethane	27.5	1.0	ug/l	25.0	ND	110	65-140			
Bromodichloromethane	26.6	1.0	ug/l	25.0	ND	106	70-140			
Bromoform	22.0	1.0	ug/l	25.0	ND	88	55-140			
Bromomethane	25.8	1.0	ug/l	25.0	ND	103	50-145			
n-Butylbenzene	27.9	1.0	ug/l	25.0	ND	112	70-140			
sec-Butylbenzene	25.4	1.0	ug/l	25.0	ND	102	70-130			
tert-Butylbenzene	24.8	1.0	ug/l	25.0	ND	99	70-130			
Carbon tetrachloride	25.2	0.50	ug/l	25.0	ND	101	70-145			
orobenzene	26.3	1.0	ug/l	25.0	ND	105	80-125			
oroethane	27.2	1.0	ug/l	25.0	ND	109	50-145			
Chloroform	29.2	1.0	ug/l	25.0	0.41	115	70-135			
Chloromethane	25.6	1.0	ug/l	25.0	ND	102	35-145			
2-Chlorotoluene	25.2	1.0	ug/l	25.0	ND	101	70-140			
4-Chlorotoluene	25.6	1.0	ug/l	25.0	ND	102	70-140			
Dibromochloromethane	26.4	1.0	ug/l	25.0	ND	106	65-145			
1,2-Dibromo-3-chloropropane	24.8	5.0	ug/l	25.0	ND	99	45-155			
1,2-Dibromoethane (EDB)	27.3	1.0	ug/l	25.0	ND	109	70-130			
Dibromomethane	26.9	1.0	ug/l	25.0	ND	108	65-140			
1,2-Dichlorobenzene	26.3	1.0	ug/l	25.0	ND	105	75-130			
1,3-Dichlorobenzene	25.6	1.0	ug/l	25.0	ND	102	75-130			
1,4-Dichlorobenzene	25.3	1.0	ug/l	25.0	ND	101	80-120			
Dichlorodifluoromethane	37.3	2.0	ug/l	25.0	14	93	10-160			
1,1-Dichloroethane	31.7	1.0	ug/l	25.0	4.0	111	65-135			
1,2-Dichloroethane	29.8	0.50	ug/l	25.0	1.6	113	60-150			
1,1-Dichloroethene	27.1	1.0	ug/l	25.0	ND	108	65-140			
cis-1,2-Dichloroethene	61.3	1.0	ug/l	25.0	33	113	65-130			
trans-1,2-Dichloroethene	27.9	1.0	ug/l	25.0	ND	112	65-135			
1,2-Dichloropropane	28.0	1.0	ug/l	25.0	0.57	110	65-130			
1,3-Dichloropropane	27.2	1.0	ug/l	25.0	ND	109	65-140			
2,2-Dichloropropane	28.3	1.0	ug/l	25.0	ND	113	60-150			
1,1-Dichloropropene	26.8	1.0	ug/l	25.0	ND	107	65-140			
cis-1,3-Dichloropropene	28.5	0.50	ug/l	25.0	ND	114	70-140			
trans-1,3-Dichloropropene	28.7	0.50	ug/l	25.0	ND	115	70-140			

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Project Manager

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MWH Americas - Brea	Project ID:	Honeywell, North Hollywood	
3050 Saturn Ave., Suite 205		1890933.0501	Sampled: 02/23/05
Brea, CA 92821	Report Number:	IOB1817	Received: 02/23/05
Attention: Lisa Hall			

METHOD BLANK/QC DATA

VOLATILE ORGANICS with MTBE by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 5B24007 Extracted: 02/24/05										
Matrix Spike Analyzed: 02/24/2005 (5B24007-MS1)					**Source: IOB1817-12**					
Ethylbenzene	27.5	0.50	ug/l	25.0	ND	110	70-130			
Hexachlorobutadiene	24.0	1.0	ug/l	25.0	ND	96	65-140			
Isopropylbenzene	25.7	1.0	ug/l	25.0	ND	103	70-130			
p-Isopropyltoluene	25.6	1.0	ug/l	25.0	ND	102	70-130			
Methylene chloride	29.4	5.0	ug/l	25.0	ND	118	60-135			
Methyl-tert-butyl Ether (MTBE)	29.8	1.0	ug/l	25.0	ND	119	50-155			
Naphthalene	27.9	1.0	ug/l	25.0	ND	112	50-150			
n-Propylbenzene	26.1	1.0	ug/l	25.0	ND	104	70-135			
Styrene	26.3	1.0	ug/l	25.0	ND	105	55-145			
1,1,1,2-Tetrachloroethane	26.1	1.0	ug/l	25.0	ND	104	70-145			
1,1,2,2-Tetrachloroethane	27.3	1.0	ug/l	25.0	ND	109	60-145			
Tetrachloroethene	41.9	1.0	ug/l	25.0	18	96	70-130			
Toluene	27.2	0.50	ug/l	25.0	0.39	107	70-120			
1,2,3-Trichlorobenzene	28.1	1.0	ug/l	25.0	ND	112	60-140			
1,2,4-Trichlorobenzene	28.6	1.0	ug/l	25.0	ND	114	60-140			
1,1,1-Trichloroethane	27.4	1.0	ug/l	25.0	ND	110	75-140			
1,1,2-Trichloroethane	27.9	1.0	ug/l	25.0	ND	112	60-135			
Trichloroethene	33.9	1.0	ug/l	25.0	8.7	101	70-125			
Trichlorofluoromethane	27.1	1.0	ug/l	25.0	ND	108	55-145			
1,2,3-Trichloropropane	25.5	1.0	ug/l	25.0	ND	102	55-140			
1,2,4-Trimethylbenzene	26.0	1.0	ug/l	25.0	ND	104	60-125			
1,3,5-Trimethylbenzene	26.2	1.0	ug/l	25.0	ND	105	70-130			
Vinyl chloride	25.6	0.50	ug/l	25.0	ND	102	40-135			
o-Xylene	26.1	0.50	ug/l	25.0	ND	104	65-125			
m,p-Xylenes	53.5	1.0	ug/l	50.0	ND	107	65-130			
Surrogate: Dibromofluoromethane	*26.8*		*ug/l*	*25.0*		*107*	*80-120*			
Surrogate: Toluene-d8	*25.3*		*ug/l*	*25.0*		*101*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*25.6*		*ug/l*	*25.0*		*102*	*80-120*			

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Project Manager

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WH Americas - Brea
3050 Saturn Ave., Suite 205
Brea, CA 92821
Attention: Lisa Hall

Project ID: Honeywell, North Hollywood
1890933.0501
Report Number: IOB1817

Sampled: 02/23/05
Received: 02/23/05

METHOD BLANK/QC DATA

VOLATILE ORGANICS with MTBE by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 5B24007 Extracted: 02/24/05										
Matrix Spike Dup Analyzed: 02/24/2005 (5B24007-MSD1)					**Source: IOB1817-12**					
Benzene	24.9	0.50	ug/l	25.0	ND	100	70-120	8	20	
Bromobenzene	23.5	1.0	ug/l	25.0	ND	94	65-130	8	20	
Bromochloromethane	25.4	1.0	ug/l	25.0	ND	102	65-140	8	25	
Bromodichloromethane	24.2	1.0	ug/l	25.0	ND	97	70-140	9	20	
Bromoform	20.1	1.0	ug/l	25.0	ND	80	55-140	9	25	
Bromomethane	22.7	1.0	ug/l	25.0	ND	91	50-145	13	25	
n-Butylbenzene	25.4	1.0	ug/l	25.0	ND	102	70-140	9	20	
sec-Butylbenzene	23.7	1.0	ug/l	25.0	ND	95	70-130	7	20	
tert-Butylbenzene	23.2	1.0	ug/l	25.0	ND	93	70-130	7	20	
Carbon tetrachloride	22.9	0.50	ug/l	25.0	ND	92	70-145	10	25	
robenzene	23.9	1.0	ug/l	25.0	ND	96	80-125	10	20	
Chloroethane	23.5	1.0	ug/l	25.0	ND	94	50-145	15	25	
Chloroform	26.2	1.0	ug/l	25.0	0.41	103	70-135	11	20	
Chloromethane	22.5	1.0	ug/l	25.0	ND	90	35-145	13	25	
2-Chlorotoluene	23.2	1.0	ug/l	25.0	ND	93	70-140	8	20	
4-Chlorotoluene	23.8	1.0	ug/l	25.0	ND	95	70-140	7	20	
Dibromochloromethane	24.1	1.0	ug/l	25.0	ND	96	65-145	9	25	
1,2-Dibromo-3-chloropropane	22.1	5.0	ug/l	25.0	ND	88	45-155	12	30	
1,2-Dibromoethane (EDB)	24.7	1.0	ug/l	25.0	ND	99	70-130	10	25	
Dibromomethane	24.8	1.0	ug/l	25.0	ND	99	65-140	8	25	
1,2-Dichlorobenzene	24.4	1.0	ug/l	25.0	ND	98	75-130	7	20	
1,3-Dichlorobenzene	24.1	1.0	ug/l	25.0	ND	96	75-130	6	20	
1,4-Dichlorobenzene	23.5	1.0	ug/l	25.0	ND	94	80-120	7	20	
Dichlorodifluoromethane	33.8	2.0	ug/l	25.0	14	79	10-160	10	30	
1,1-Dichloroethane	29.1	1.0	ug/l	25.0	4.0	100	65-135	9	20	
1,2-Dichloroethane	27.3	0.50	ug/l	25.0	1.6	103	60-150	9	20	
1,1-Dichloroethene	24.0	1.0	ug/l	25.0	ND	96	65-140	12	20	
cis-1,2-Dichloroethene	58.0	1.0	ug/l	25.0	33	100	65-130	6	20	
trans-1,2-Dichloroethene	25.3	1.0	ug/l	25.0	ND	101	65-135	10	20	
1,2-Dichloropropane	25.5	1.0	ug/l	25.0	0.57	100	65-130	9	20	
1,3-Dichloropropane	24.7	1.0	ug/l	25.0	ND	99	65-140	10	25	
2,2-Dichloropropane	24.8	1.0	ug/l	25.0	ND	99	60-150	13	25	
1,1-Dichloropropene	24.5	1.0	ug/l	25.0	ND	98	65-140	9	20	
cis-1,3-Dichloropropene	26.0	0.50	ug/l	25.0	ND	104	70-140	9	20	
trans-1,3-Dichloropropene	25.8	0.50	ug/l	25.0	ND	103	70-140	11	25	

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Project Manager

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Report Number: IOB1817

Sampled: 02/23/05
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METHOD BLANK/QC DATA

VOLATILE ORGANICS with MTBE by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 5B24007 Extracted: 02/24/05										
Matrix Spike Dup Analyzed: 02/24/2005 (5B24007-MSD1)					**Source: IOB1817-12**					
Ethylbenzene	24.9	0.50	ug/l	25.0	ND	100	70-130	10	20	
Hexachlorobutadiene	21.8	1.0	ug/l	25.0	ND	87	65-140	10	20	
Isopropylbenzene	23.5	1.0	ug/l	25.0	ND	94	70-130	9	20	
p-Isopropyltoluene	23.7	1.0	ug/l	25.0	ND	95	70-130	8	20	
Methylene chloride	26.3	5.0	ug/l	25.0	ND	105	60-135	11	20	
Methyl-tert-butyl Ether (MTBE)	26.7	1.0	ug/l	25.0	ND	107	50-155	11	25	
Naphthalene	25.5	1.0	ug/l	25.0	ND	102	50-150	9	30	
n-Propylbenzene	24.0	1.0	ug/l	25.0	ND	96	70-135	8	20	
Styrene	23.9	1.0	ug/l	25.0	ND	96	55-145	10	30	
1,1,1,2-Tetrachloroethane	24.0	1.0	ug/l	25.0	ND	96	70-145	8	20	
1,1,2,2-Tetrachloroethane	25.4	1.0	ug/l	25.0	ND	102	60-145	7	30	
Tetrachloroethene	40.2	1.0	ug/l	25.0	18	89	70-130	4	20	
Toluene	24.9	0.50	ug/l	25.0	0.39	98	70-120	9	20	
1,2,3-Trichlorobenzene	25.5	1.0	ug/l	25.0	ND	102	60-140	10	20	
1,2,4-Trichlorobenzene	26.0	1.0	ug/l	25.0	ND	104	60-140	10	20	
1,1,1-Trichloroethane	24.1	1.0	ug/l	25.0	ND	96	75-140	13	20	
1,1,2-Trichloroethane	24.7	1.0	ug/l	25.0	ND	99	60-135	12	25	
Trichloroethene	31.8	1.0	ug/l	25.0	8.7	92	70-125	6	20	
Trichlorofluoromethane	24.0	1.0	ug/l	25.0	ND	96	55-145	12	25	
1,2,3-Trichloropropane	23.6	1.0	ug/l	25.0	ND	94	55-140	8	30	
1,2,4-Trimethylbenzene	24.3	1.0	ug/l	25.0	ND	97	60-125	7	25	
1,3,5-Trimethylbenzene	24.3	1.0	ug/l	25.0	ND	97	70-130	8	20	
Vinyl chloride	22.6	0.50	ug/l	25.0	ND	90	40-135	12	30	
o-Xylene	23.6	0.50	ug/l	25.0	ND	94	65-125	10	20	
m,p-Xylenes	48.5	1.0	ug/l	50.0	ND	97	65-130	10	25	
Surrogate: Dibromofluoromethane	*26.4*		*ug/l*	*25.0*		*106*	*80-120*			
Surrogate: Toluene-d8	*25.0*		*ug/l*	*25.0*		*100*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*25.1*		*ug/l*	*25.0*		*100*	*80-120*			

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Chris Roberts
Project Manager

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Attention: Lisa Hall

Project ID: Honeywell, North Hollywood
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Report Number: IOB1817

Sampled: 02/23/05
Received: 02/23/05

METHOD BLANK/QC DATA

VOLATILE ORGANICS with MTBE by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 5B24012 Extracted: 02/24/05										
Blank Analyzed: 02/24/2005 (5B24012-BLK1)										
Benzene	ND	0.50	ug/l							
Bromobenzene	ND	1.0	ug/l							
Bromochloromethane	ND	1.0	ug/l							
Bromodichloromethane	ND	1.0	ug/l							
Bromoform	ND	1.0	ug/l							
Bromomethane	ND	1.0	ug/l							
n-Butylbenzene	ND	1.0	ug/l							
sec-Butylbenzene	ND	1.0	ug/l							
tert-Butylbenzene	ND	1.0	ug/l							
Carbon tetrachloride	ND	0.50	ug/l							
Chlorobenzene	ND	1.0	ug/l							
Chloroethane	ND	1.0	ug/l							
Chloroform	ND	1.0	ug/l							
Chloromethane	ND	1.0	ug/l							
2-Chlorotoluene	ND	1.0	ug/l							
4-Chlorotoluene	ND	1.0	ug/l							
Dibromochloromethane	ND	1.0	ug/l							
1,2-Dibromo-3-chloropropane	ND	5.0	ug/l							
1,2-Dibromoethane (EDB)	ND	1.0	ug/l							
Dibromomethane	ND	1.0	ug/l							
1,2-Dichlorobenzene	ND	1.0	ug/l							
1,3-Dichlorobenzene	ND	1.0	ug/l							
1,4-Dichlorobenzene	ND	1.0	ug/l							
Dichlorodifluoromethane	ND	2.0	ug/l							
1,1-Dichloroethane	ND	1.0	ug/l							
1,2-Dichloroethane	ND	0.50	ug/l							
1,1-Dichloroethene	ND	1.0	ug/l							
cis-1,2-Dichloroethene	ND	1.0	ug/l							
trans-1,2-Dichloroethene	ND	1.0	ug/l							
1,2-Dichloropropane	ND	1.0	ug/l							
1,3-Dichloropropane	ND	1.0	ug/l							
2,2-Dichloropropane	ND	1.0	ug/l							
1,1-Dichloropropene	ND	1.0	ug/l							
cis-1,3-Dichloropropene	ND	0.50	ug/l							
trans-1,3-Dichloropropene	ND	0.50	ug/l							

Del Mar Analytical, Irvine
Iris Roberts
Project Manager

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Del Mar Analytical

MWH Americas - Brea 3050 Saturn Ave., Suite 205 Brea, CA 92821 Attention: Lisa Hall	Project ID: Honeywell, North Hollywood 1890933.0501 Report Number: IOB1817	Sampled: 02/23/05 Received: 02/23/05

METHOD BLANK QC DATA

VOLATILE ORGANICS with MTBE by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 5B24012 Extracted: 02/24/05										
Blank Analyzed: 02/24/2005 (5B24012-BLK1)										
Ethylbenzene	ND	0.50	ug/l							
Hexachlorobutadiene	ND	1.0	ug/l							
Isopropylbenzene	ND	1.0	ug/l							
p-Isopropyltoluene	ND	1.0	ug/l							
Methylene chloride	ND	5.0	ug/l							
Methyl-tert-butyl Ether (MTBE)	ND	1.0	ug/l							
Naphthalene	ND	1.0	ug/l							
n-Propylbenzene	ND	1.0	ug/l							
Styrene	ND	1.0	ug/l							
1,1,1,2-Tetrachloroethane	ND	1.0	ug/l							
1,1,2,2-Tetrachloroethane	ND	1.0	ug/l							
Tetrachloroethene	ND	1.0	ug/l							
Toluene	ND	0.50	ug/l							
1,2,3-Trichlorobenzene	ND	1.0	ug/l							
1,2,4-Trichlorobenzene	ND	1.0	ug/l							
1,1,1-Trichloroethane	ND	1.0	ug/l							
1,1,2-Trichloroethane	ND	1.0	ug/l							
Trichloroethene	ND	1.0	ug/l							
Trichlorofluoromethane	ND	1.0	ug/l							
1,2,3-Trichloropropane	ND	1.0	ug/l							
1,2,4-Trimethylbenzene	ND	1.0	ug/l							
1,3,5-Trimethylbenzene	ND	1.0	ug/l							
Vinyl chloride	ND	0.50	ug/l							
o-Xylene	ND	0.50	ug/l							
m,p-Xylenes	ND	1.0	ug/l							
Surrogate: Dibromofluoromethane	*25.1*		*ug/l*	*25.0*		*100*	*80-120*			
Surrogate: Toluene-d8	*24.3*		*ug/l*	*25.0*		*97*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*22.7*		*ug/l*	*25.0*		*91*	*80-120*			

Del Mar Analytical, Irvine
Chris Roberts
Project Manager

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MWH Americas - Brea
3050 Saturn Ave., Suite 205
Brea, CA 92821
Attention: Lisa Hall

Project ID: Honeywell, North Hollywood
1890933.0501
Report Number: IOB1817

Sampled: 02/23/05
Received: 02/23/05

METHOD BLANK/QC DATA

VOLATILE ORGANICS with MTBE by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 5B24012 Extracted: 02/24/05										
LCS Analyzed: 02/24/2005 (5B24012-BS1)										
Benzene	24.1	0.50	ug/l	25.0		96	70-120			
Bromobenzene	23.6	1.0	ug/l	25.0		94	80-120			
Bromochloromethane	24.7	1.0	ug/l	25.0		99	65-135			
Bromodichloromethane	24.2	1.0	ug/l	25.0		97	70-140			
Bromoform	23.8	1.0	ug/l	25.0		95	55-135			
Bromomethane	29.4	1.0	ug/l	25.0		118	60-140			
n-Butylbenzene	25.0	1.0	ug/l	25.0		100	75-130			
sec-Butylbenzene	25.1	1.0	ug/l	25.0		100	75-125			
tert-Butylbenzene	24.7	1.0	ug/l	25.0		99	75-125			
Carbon tetrachloride	25.3	0.50	ug/l	25.0		101	70-140			
Chlorobenzene	22.7	1.0	ug/l	25.0		91	80-125			
Chloroethane	27.9	1.0	ug/l	25.0		112	60-145			
Chloroform	24.9	1.0	ug/l	25.0		100	75-130			
Chloromethane	26.4	1.0	ug/l	25.0		106	40-145			
2-Chlorotoluene	24.4	1.0	ug/l	25.0		98	75-125			
4-Chlorotoluene	24.7	1.0	ug/l	25.0		99	75-125			
Dibromochloromethane	24.6	1.0	ug/l	25.0		98	65-145			
1,2-Dibromo-3-chloropropane	22.7	5.0	ug/l	25.0		91	50-135			
1,2-Dibromoethane (EDB)	24.4	1.0	ug/l	25.0		98	75-125			
Dibromomethane	24.7	1.0	ug/l	25.0		99	75-130			
1,2-Dichlorobenzene	23.0	1.0	ug/l	25.0		92	80-120			
1,3-Dichlorobenzene	23.1	1.0	ug/l	25.0		92	80-120			
1,4-Dichlorobenzene	22.9	1.0	ug/l	25.0		92	80-120			
Dichlorodifluoromethane	25.9	2.0	ug/l	25.0		104	10-160			
1,1-Dichloroethane	24.8	1.0	ug/l	25.0		99	70-135			
1,2-Dichloroethane	25.4	0.50	ug/l	25.0		102	60-150			
1,1-Dichloroethene	24.3	1.0	ug/l	25.0		97	75-135			
cis-1,2-Dichloroethene	24.5	1.0	ug/l	25.0		98	70-125			
trans-1,2-Dichloroethene	24.6	1.0	ug/l	25.0		98	70-130			
1,2-Dichloropropane	24.4	1.0	ug/l	25.0		98	70-120			
1,3-Dichloropropane	24.2	1.0	ug/l	25.0		97	70-130			
2,2-Dichloropropane	29.2	1.0	ug/l	25.0		117	65-150			
1,1-Dichloropropene	25.5	1.0	ug/l	25.0		102	75-130			
cis-1,3-Dichloropropene	25.1	0.50	ug/l	25.0		100	75-130			
trans-1,3-Dichloropropene	25.3	0.50	ug/l	25.0		101	75-135			

Del Mar Analytical, Irvine
Chris Roberts
Project Manager

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Del Mar Analytical

MWH Americas - Brea
3050 Saturn Ave., Suite 205
Brea, CA 92821
Attention: Lisa Hall

Project ID: Honeywell, North Hollywood
1890933.0501
Report Number: IOB1817

Sampled: 02/23/05
Received: 02/23/05

METHOD BLANK/QC DATA

VOLATILE ORGANICS with MTBE by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 5B24012 Extracted: 02/24/05										
LCS Analyzed: 02/24/2005 (5B24012-BS1)										
Ethylbenzene	25.1	0.50	ug/l	25.0		100	80-120			
Hexachlorobutadiene	25.2	1.0	ug/l	25.0		101	65-140			
Isopropylbenzene	25.9	1.0	ug/l	25.0		104	75-125			
p-Isopropyltoluene	24.2	1.0	ug/l	25.0		97	75-125			
Methylene chloride	25.2	5.0	ug/l	25.0		101	60-135			
Methyl-tert-butyl Ether (MTBE)	25.4	1.0	ug/l	25.0		102	55-145			
Naphthalene	20.7	1.0	ug/l	25.0		83	50-145			
n-Propylbenzene	25.7	1.0	ug/l	25.0		103	75-130			
Styrene	26.6	1.0	ug/l	25.0		106	80-135			
1,1,1,2-Tetrachloroethane	24.3	1.0	ug/l	25.0		97	70-145			
1,1,2,2-Tetrachloroethane	23.7	1.0	ug/l	25.0		95	60-135			
Tetrachloroethene	23.1	1.0	ug/l	25.0		92	75-125			
Toluene	23.8	0.50	ug/l	25.0		95	75-120			
1,2,3-Trichlorobenzene	22.0	1.0	ug/l	25.0		88	65-135			
1,2,4-Trichlorobenzene	21.6	1.0	ug/l	25.0		86	70-140			
1,1,1-Trichloroethane	25.7	1.0	ug/l	25.0		103	75-140			
1,1,2-Trichloroethane	24.6	1.0	ug/l	25.0		98	70-125			
Trichloroethene	23.8	1.0	ug/l	25.0		95	80-120			
Trichlorofluoromethane	25.8	1.0	ug/l	25.0		103	65-145			
1,2,3-Trichloropropane	24.5	1.0	ug/l	25.0		98	60-130			
1,2,4-Trimethylbenzene	25.3	1.0	ug/l	25.0		101	75-125			
1,3,5-Trimethylbenzene	25.6	1.0	ug/l	25.0		102	75-125			
Vinyl chloride	26.2	0.50	ug/l	25.0		105	50-130			
o-Xylene	24.5	0.50	ug/l	25.0		98	75-125			
m,p-Xylenes	49.2	1.0	ug/l	50.0		98	75-120			
Surrogate: Dibromofluoromethane	*25.1*		*ug/l*	*25.0*		*100*	*80-120*			
Surrogate: Toluene-d8	*24.0*		*ug/l*	*25.0*		*96*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*24.5*		*ug/l*	*25.0*		*98*	*80-120*			

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Chris Roberts
Project Manager

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MWH Americas - Brea
3050 Saturn Ave., Suite 205
Brea, CA 92821
Attention: Lisa Hall

Project ID: Honeywell, North Hollywood
1890933.0501
Report Number: IOB1817

Sampled: 02/23/05
Received: 02/23/05

METHOD BLANK/QC DATA

VOLATILE ORGANICS with MTBE by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 5B24012 Extracted: 02/24/05										
Matrix Spike Analyzed: 02/24/2005 (5B24012-MS1)					**Source: IOB1788-05**					
Benzene	25.3	0.50	ug/l	25.0	ND	101	70-120			
Bromobenzene	24.1	1.0	ug/l	25.0	ND	96	65-130			
Bromochloromethane	24.9	1.0	ug/l	25.0	ND	100	65-140			
Bromodichloromethane	25.6	1.0	ug/l	25.0	ND	102	70-140			
Bromoform	24.1	1.0	ug/l	25.0	ND	96	55-140			
Bromomethane	29.8	1.0	ug/l	25.0	ND	119	50-145			
n-Butylbenzene	26.3	1.0	ug/l	25.0	ND	105	70-140			
sec-Butylbenzene	26.0	1.0	ug/l	25.0	ND	104	70-130			
tert-Butylbenzene	25.8	1.0	ug/l	25.0	ND	103	70-130			
Carbon tetrachloride	26.8	0.50	ug/l	25.0	ND	107	70-145			
[illegible]robenzene	23.7	1.0	ug/l	25.0	ND	95	80-125			
[illegible]hloroethane	28.7	1.0	ug/l	25.0	ND	115	50-145			
Chloroform	27.0	1.0	ug/l	25.0	1.2	103	70-135			
Chloromethane	26.4	1.0	ug/l	25.0	ND	106	35-145			
2-Chlorotoluene	25.4	1.0	ug/l	25.0	ND	102	70-140			
4-Chlorotoluene	25.8	1.0	ug/l	25.0	ND	103	70-140			
Dibromochloromethane	25.0	1.0	ug/l	25.0	ND	100	65-145			
1,2-Dibromo-3-chloropropane	23.3	5.0	ug/l	25.0	ND	93	45-155			
1,2-Dibromoethane (EDB)	24.9	1.0	ug/l	25.0	ND	100	70-130			
Dibromomethane	25.4	1.0	ug/l	25.0	ND	102	65-140			
1,2-Dichlorobenzene	23.7	1.0	ug/l	25.0	ND	95	75-130			
1,3-Dichlorobenzene	23.8	1.0	ug/l	25.0	ND	95	75-130			
1,4-Dichlorobenzene	23.4	1.0	ug/l	25.0	ND	94	80-120			
Dichlorodifluoromethane	26.5	2.0	ug/l	25.0	ND	106	10-160			
1,1-Dichloroethane	25.6	1.0	ug/l	25.0	ND	102	65-135			
1,2-Dichloroethane	26.5	0.50	ug/l	25.0	ND	106	60-150			
1,1-Dichloroethene	32.7	1.0	ug/l	25.0	8.5	97	65-140			
cis-1,2-Dichloroethene	25.7	1.0	ug/l	25.0	ND	103	65-130			
trans-1,2-Dichloroethene	25.9	1.0	ug/l	25.0	ND	104	65-135			
1,2-Dichloropropane	25.5	1.0	ug/l	25.0	ND	102	65-130			
1,3-Dichloropropane	24.9	1.0	ug/l	25.0	ND	100	65-140			
2,2-Dichloropropane	31.6	1.0	ug/l	25.0	ND	126	60-150			
1,1-Dichloropropene	26.6	1.0	ug/l	25.0	ND	106	65-140			
cis-1,3-Dichloropropene	25.8	0.50	ug/l	25.0	ND	103	70-140			
trans-1,3-Dichloropropene	26.3	0.50	ug/l	25.0	ND	105	70-140			

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[illegible]s Roberts
Project Manager

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MWH Americas - Brea
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Attention: Lisa Hall

Project ID: Honeywell, North Hollywood
1890933.0501
Report Number: IOB1817

Sampled: 02/23/05
Received: 02/23/05

METHOD BLANK QC DATA

VOLATILE ORGANICS with MTBE by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 5B24012 Extracted: 02/24/05										
Matrix Spike Analyzed: 02/24/2005 (5B24012-MS1)					**Source: IOB1788-05**					
Ethylbenzene	26.4	0.50	ug/l	25.0	ND	106	70-130			
Hexachlorobutadiene	26.8	1.0	ug/l	25.0	ND	107	65-140			
Isopropylbenzene	26.9	1.0	ug/l	25.0	ND	108	70-130			
p-Isopropyltoluene	24.9	1.0	ug/l	25.0	ND	100	70-130			
Methylene chloride	25.8	5.0	ug/l	25.0	ND	103	60-135			
Methyl-tert-butyl Ether (MTBE)	25.3	1.0	ug/l	25.0	ND	101	50-155			
Naphthalene	22.1	1.0	ug/l	25.0	ND	88	50-150			
n-Propylbenzene	27.1	1.0	ug/l	25.0	ND	108	70-135			
Styrene	26.5	1.0	ug/l	25.0	ND	106	55-145			
1,1,1,2-Tetrachloroethane	25.4	1.0	ug/l	25.0	ND	102	70-145			
1,1,2,2-Tetrachloroethane	25.2	1.0	ug/l	25.0	ND	101	60-145			
Tetrachloroethene	52.3	1.0	ug/l	25.0	32	81	70-130			
Toluene	24.9	0.50	ug/l	25.0	ND	100	70-120			
1,2,3-Trichlorobenzene	23.6	1.0	ug/l	25.0	ND	94	60-140			
1,2,4-Trichlorobenzene	23.3	1.0	ug/l	25.0	ND	93	60-140			
1,1,1-Trichloroethane	28.0	1.0	ug/l	25.0	1.1	108	75-140			
1,1,2-Trichloroethane	25.3	1.0	ug/l	25.0	ND	101	60-135			
Trichloroethene	40.6	1.0	ug/l	25.0	19	86	70-125			
Trichlorofluoromethane	27.0	1.0	ug/l	25.0	ND	108	55-145			
1,2,3-Trichloropropane	24.0	1.0	ug/l	25.0	ND	96	55-140			
1,2,4-Trimethylbenzene	25.7	1.0	ug/l	25.0	ND	103	60-125			
1,3,5-Trimethylbenzene	26.3	1.0	ug/l	25.0	ND	105	70-130			
Vinyl chloride	27.3	0.50	ug/l	25.0	ND	109	40-135			
o-Xylene	25.4	0.50	ug/l	25.0	ND	102	65-125			
m,p-Xylenes	51.6	1.0	ug/l	50.0	ND	103	65-130			
Surrogate: Dibromofluoromethane	*25.3*		*ug/l*	*25.0*		*101*	*80-120*			
Surrogate: Toluene-d8	*24.3*		*ug/l*	*25.0*		*97*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*25.2*		*ug/l*	*25.0*		*101*	*80-120*			

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Chris Roberts
Project Manager

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MWH Americas - Brea
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Attention: Lisa Hall

Project ID: Honeywell, North Hollywood
1890933.0501
Report Number: IOB1817

Sampled: 02/23/05
Received: 02/23/05

METHOD BLANK/QC DATA

VOLATILE ORGANICS with MTBE by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 5B24012 Extracted: 02/24/05										
Matrix Spike Dup Analyzed: 02/24/2005 (5B24012-MSD1)					**Source: IOB1788-05**					
Benzene	26.0	0.50	ug/l	25.0	ND	104	70-120	3	20	
Bromobenzene	25.0	1.0	ug/l	25.0	ND	100	65-130	4	20	
Bromochloromethane	26.1	1.0	ug/l	25.0	ND	104	65-140	5	25	
Bromodichloromethane	26.0	1.0	ug/l	25.0	ND	104	70-140	2	20	
Bromoform	25.3	1.0	ug/l	25.0	ND	101	55-140	5	25	
Bromomethane	30.5	1.0	ug/l	25.0	ND	122	50-145	2	25	
n-Butylbenzene	26.2	1.0	ug/l	25.0	ND	105	70-140	0	20	
sec-Butylbenzene	25.9	1.0	ug/l	25.0	ND	104	70-130	0	20	
tert-Butylbenzene	25.8	1.0	ug/l	25.0	ND	103	70-130	0	20	
Carbon tetrachloride	26.7	0.50	ug/l	25.0	ND	107	70-145	0	25	
[illegible]robenzene	24.1	1.0	ug/l	25.0	ND	96	80-125	2	20	
[illegible]loroethane	28.9	1.0	ug/l	25.0	ND	116	50-145	1	25	
Chloroform	27.1	1.0	ug/l	25.0	1.2	104	70-135	0	20	
Chloromethane	27.0	1.0	ug/l	25.0	ND	108	35-145	2	25	
2-Chlorotoluene	25.5	1.0	ug/l	25.0	ND	102	70-140	0	20	
4-Chlorotoluene	25.7	1.0	ug/l	25.0	ND	103	70-140	0	20	
Dibromochloromethane	25.8	1.0	ug/l	25.0	ND	103	65-145	3	25	
1,2-Dibromo-3-chloropropane	26.0	5.0	ug/l	25.0	ND	104	45-155	11	30	
1,2-Dibromoethane (EDB)	25.9	1.0	ug/l	25.0	ND	104	70-130	4	25	
Dibromomethane	26.5	1.0	ug/l	25.0	ND	106	65-140	4	25	
1,2-Dichlorobenzene	23.8	1.0	ug/l	25.0	ND	95	75-130	0	20	
1,3-Dichlorobenzene	23.9	1.0	ug/l	25.0	ND	96	75-130	0	20	
1,4-Dichlorobenzene	23.5	1.0	ug/l	25.0	ND	94	80-120	0	20	
Dichlorodifluoromethane	26.7	2.0	ug/l	25.0	ND	107	10-160	1	30	
1,1-Dichloroethane	26.3	1.0	ug/l	25.0	ND	105	65-135	3	20	
1,2-Dichloroethane	27.1	0.50	ug/l	25.0	ND	108	60-150	2	20	
1,1-Dichloroethene	32.7	1.0	ug/l	25.0	8.5	97	65-140	0	20	
cis-1,2-Dichloroethene	25.7	1.0	ug/l	25.0	ND	103	65-130	0	20	
trans-1,2-Dichloroethene	26.1	1.0	ug/l	25.0	ND	104	65-135	1	20	
1,2-Dichloropropane	25.8	1.0	ug/l	25.0	ND	103	65-130	1	20	
1,3-Dichloropropane	25.8	1.0	ug/l	25.0	ND	103	65-140	4	25	
2,2-Dichloropropane	32.0	1.0	ug/l	25.0	ND	128	60-150	1	25	
1,1-Dichloropropene	27.2	1.0	ug/l	25.0	ND	109	65-140	2	20	
cis-1,3-Dichloropropene	26.9	0.50	ug/l	25.0	ND	108	70-140	4	20	
trans-1,3-Dichloropropene	27.4	0.50	ug/l	25.0	ND	110	70-140	4	25	

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[illegible]s Roberts
Project Manager

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Del Mar Analytical

MWH Americas - Brea 3050 Saturn Ave., Suite 205 Brea, CA 92821 Attention: Lisa Hall	Project ID: Honeywell, North Hollywood 1890933.0501 Report Number: IOB1817	Sampled: 02/23/05 Received: 02/23/05

METHOD BLANK/QC DATA

VOLATILE ORGANICS with MTBE by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 5B24012 Extracted: 02/24/05										
Matrix Spike Dup Analyzed: 02/24/2005 (5B24012-MSD1)					**Source: IOB1788-05**					
Ethylbenzene	26.6	0.50	ug/l	25.0	ND	106	70-130	1	20	
Hexachlorobutadiene	26.2	1.0	ug/l	25.0	ND	105	65-140	2	20	
Isopropylbenzene	27.3	1.0	ug/l	25.0	ND	109	70-130	1	20	
p-Isopropyltoluene	24.8	1.0	ug/l	25.0	ND	99	70-130	0	20	
Methylene chloride	26.1	5.0	ug/l	25.0	ND	104	60-135	1	20	
Methyl-tert-butyl Ether (MTBE)	27.0	1.0	ug/l	25.0	ND	108	50-155	7	25	
Naphthalene	23.9	1.0	ug/l	25.0	ND	96	50-150	8	30	
n-Propylbenzene	27.0	1.0	ug/l	25.0	ND	108	70-135	0	20	
Styrene	27.5	1.0	ug/l	25.0	ND	110	55-145	4	30	
1,1,1,2-Tetrachloroethane	26.0	1.0	ug/l	25.0	ND	104	70-145	2	20	
1,1,2,2-Tetrachloroethane	26.4	1.0	ug/l	25.0	ND	106	60-145	5	30	
Tetrachloroethene	51.3	1.0	ug/l	25.0	32	77	70-130	2	20	
Toluene	25.6	0.50	ug/l	25.0	ND	102	70-120	3	20	
1,2,3-Trichlorobenzene	24.6	1.0	ug/l	25.0	ND	98	60-140	4	20	
1,2,4-Trichlorobenzene	23.9	1.0	ug/l	25.0	ND	96	60-140	3	20	
1,1,1-Trichloroethane	28.4	1.0	ug/l	25.0	1.1	109	75-140	1	20	
1,1,2-Trichloroethane	26.6	1.0	ug/l	25.0	ND	106	60-135	5	25	
Trichloroethene	41.0	1.0	ug/l	25.0	19	88	70-125	1	20	
Trichlorofluoromethane	26.7	1.0	ug/l	25.0	ND	107	55-145	1	25	
1,2,3-Trichloropropane	25.6	1.0	ug/l	25.0	ND	102	55-140	6	30	
1,2,4-Trimethylbenzene	26.3	1.0	ug/l	25.0	ND	105	60-125	2	25	
1,3,5-Trimethylbenzene	26.8	1.0	ug/l	25.0	ND	107	70-130	2	20	
Vinyl chloride	27.3	0.50	ug/l	25.0	ND	109	40-135	0	30	
o-Xylene	25.6	0.50	ug/l	25.0	ND	102	65-125	1	20	
m,p-Xylenes	51.8	1.0	ug/l	50.0	ND	104	65-130	0	25	
Surrogate: Dibromofluoromethane	*25.5*		*ug/l*	*25.0*		*102*	*80-120*			
Surrogate: Toluene-d8	*24.2*		*ug/l*	*25.0*		*97*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*24.7*		*ug/l*	*25.0*		*99*	*80-120*			

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Project Manager

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MWH Americas - Brea
3050 Saturn Ave., Suite 205
Brea, CA 92821
Attention: Lisa Hall

Project ID: Honeywell, North Hollywood
1890933.0501
Report Number: IOB1817

Sampled: 02/23/05
Received: 02/23/05

METHOD BLANK/QC DATA

VOLATILE ORGANICS with MTBE by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 5B24014 Extracted: 02/24/05										
Blank Analyzed: 02/24/2005 (5B24014-BLK1)										
Benzene	ND	0.50	ug/l							
Bromobenzene	ND	1.0	ug/l							
Bromochloromethane	ND	1.0	ug/l							
Bromodichloromethane	ND	1.0	ug/l							
Bromoform	ND	1.0	ug/l							
Bromomethane	ND	1.0	ug/l							
n-Butylbenzene	ND	1.0	ug/l							
sec-Butylbenzene	ND	1.0	ug/l							
tert-Butylbenzene	ND	1.0	ug/l							
Carbon tetrachloride	ND	0.50	ug/l							
Chlorobenzene	ND	1.0	ug/l							
Chloroethane	ND	1.0	ug/l							
Chloroform	ND	1.0	ug/l							
Chloromethane	ND	1.0	ug/l							
2-Chlorotoluene	ND	1.0	ug/l							
4-Chlorotoluene	ND	1.0	ug/l							
Dibromochloromethane	ND	1.0	ug/l							
1,2-Dibromo-3-chloropropane	ND	5.0	ug/l							
1,2-Dibromoethane (EDB)	ND	1.0	ug/l							
Dibromomethane	ND	1.0	ug/l							
1,2-Dichlorobenzene	ND	1.0	ug/l							
1,3-Dichlorobenzene	ND	1.0	ug/l							
1,4-Dichlorobenzene	ND	1.0	ug/l							
Dichlorodifluoromethane	ND	2.0	ug/l							
1,1-Dichloroethane	ND	1.0	ug/l							
1,2-Dichloroethane	ND	0.50	ug/l							
1,1-Dichloroethene	ND	1.0	ug/l							
cis-1,2-Dichloroethene	ND	1.0	ug/l							
trans-1,2-Dichloroethene	ND	1.0	ug/l							
1,2-Dichloropropane	ND	1.0	ug/l							
1,3-Dichloropropane	ND	1.0	ug/l							
2,2-Dichloropropane	ND	1.0	ug/l							
1,1-Dichloropropene	ND	1.0	ug/l							
cis-1,3-Dichloropropene	ND	0.50	ug/l							
trans-1,3-Dichloropropene	ND	0.50	ug/l							

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MWH Americas - Brea 3050 Saturn Ave., Suite 205 Brea, CA 92821 Attention: Lisa Hall	Project ID: Honeywell, North Hollywood 1890933.0501 Report Number: IOB1817	Sampled: 02/23/05 Received: 02/23/05

METHOD BLANK/QC DATA

VOLATILE ORGANICS with MTBE by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 5B24014 Extracted: 02/24/05										
Blank Analyzed: 02/24/2005 (5B24014-BLK1)										
Ethylbenzene	ND	0.50	ug/l							
Hexachlorobutadiene	ND	1.0	ug/l							
Isopropylbenzene	ND	1.0	ug/l							
p-Isopropyltoluene	ND	1.0	ug/l							
Methylene chloride	ND	5.0	ug/l							
Methyl-tert-butyl Ether (MTBE)	ND	1.0	ug/l							
Naphthalene	ND	1.0	ug/l							
n-Propylbenzene	ND	1.0	ug/l							
Styrene	ND	1.0	ug/l							
1,1,1,2-Tetrachloroethane	ND	1.0	ug/l							
1,1,2,2-Tetrachloroethane	ND	1.0	ug/l							
Tetrachloroethene	ND	1.0	ug/l							
Toluene	ND	0.50	ug/l							
1,2,3-Trichlorobenzene	ND	1.0	ug/l							
1,2,4-Trichlorobenzene	ND	1.0	ug/l							
1,1,1-Trichloroethane	ND	1.0	ug/l							
1,1,2-Trichloroethane	ND	1.0	ug/l							
Trichloroethene	ND	1.0	ug/l							
Trichlorofluoromethane	ND	1.0	ug/l							
1,2,3-Trichloropropane	ND	1.0	ug/l							
1,2,4-Trimethylbenzene	ND	1.0	ug/l							
1,3,5-Trimethylbenzene	ND	1.0	ug/l							
Vinyl chloride	ND	0.50	ug/l							
o-Xylene	ND	0.50	ug/l							
m,p-Xylenes	ND	1.0	ug/l							
Surrogate: Dibromofluoromethane	*25.0*		*ug/l*	*25.0*		*100*	*80-120*			
Surrogate: Toluene-d8	*27.3*		*ug/l*	*25.0*		*109*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*25.8*		*ug/l*	*25.0*		*103*	*80-120*			

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MWH Americas - Brea
3050 Saturn Ave., Suite 205
Brea, CA 92821
Attention: Lisa Hall

Project ID: Honeywell, North Hollywood
1890933.0501
Report Number: IOB1817

Sampled: 02/23/05
Received: 02/23/05

METHOD BLANK/QC DATA

VOLATILE ORGANICS with MTBE by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 5B24014 Extracted: 02/24/05										
LCS Analyzed: 02/24/2005 (5B24014-BS1)										
Benzene	24.6	0.50	ug/l	25.0		98	70-120			
Bromobenzene	25.5	1.0	ug/l	25.0		102	80-120			
Bromochloromethane	24.7	1.0	ug/l	25.0		99	65-135			
Bromodichloromethane	23.6	1.0	ug/l	25.0		94	70-140			
Bromoform	19.2	1.0	ug/l	25.0		77	55-135			
Bromomethane	28.3	1.0	ug/l	25.0		113	60-140			
n-Butylbenzene	25.4	1.0	ug/l	25.0		102	75-130			
sec-Butylbenzene	24.3	1.0	ug/l	25.0		97	75-125			
tert-Butylbenzene	25.2	1.0	ug/l	25.0		101	75-125			
Carbon tetrachloride	25.8	0.50	ug/l	25.0		103	70-140			
Chlorobenzene	24.5	1.0	ug/l	25.0		98	80-125			
Chloroethane	29.5	1.0	ug/l	25.0		118	60-145			
Chloroform	25.0	1.0	ug/l	25.0		100	75-130			
Chloromethane	24.5	1.0	ug/l	25.0		98	40-145			
2-Chlorotoluene	24.8	1.0	ug/l	25.0		99	75-125			
4-Chlorotoluene	24.8	1.0	ug/l	25.0		99	75-125			
Dibromochloromethane	25.0	1.0	ug/l	25.0		100	65-145			
1,2-Dibromo-3-chloropropane	17.6	5.0	ug/l	25.0		70	50-135			
1,2-Dibromoethane (EDB)	23.7	1.0	ug/l	25.0		95	75-125			
Dibromomethane	22.6	1.0	ug/l	25.0		90	75-130			
1,2-Dichlorobenzene	24.4	1.0	ug/l	25.0		98	80-120			
1,3-Dichlorobenzene	24.4	1.0	ug/l	25.0		98	80-120			
1,4-Dichlorobenzene	24.1	1.0	ug/l	25.0		96	80-120			
Dichlorodifluoromethane	22.2	2.0	ug/l	25.0		89	10-160			
1,1-Dichloroethane	25.1	1.0	ug/l	25.0		100	70-135			
1,2-Dichloroethane	24.1	0.50	ug/l	25.0		96	60-150			
1,1-Dichloroethene	25.6	1.0	ug/l	25.0		102	75-135			
cis-1,2-Dichloroethene	25.2	1.0	ug/l	25.0		101	70-125			
trans-1,2-Dichloroethene	25.8	1.0	ug/l	25.0		103	70-130			
1,2-Dichloropropane	25.4	1.0	ug/l	25.0		102	70-120			
1,3-Dichloropropane	24.0	1.0	ug/l	25.0		96	70-130			
2,2-Dichloropropane	25.3	1.0	ug/l	25.0		101	65-150			
1,1-Dichloropropene	26.6	1.0	ug/l	25.0		106	75-130			
cis-1,3-Dichloropropene	26.2	0.50	ug/l	25.0		105	75-130			
trans-1,3-Dichloropropene	25.3	0.50	ug/l	25.0		101	75-135			

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Project Manager

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MWH Americas - Brea	Project ID:	Honeywell, North Hollywood	
3050 Saturn Ave., Suite 205		1890933.0501	Sampled: 02/23/05
Brea, CA 92821	Report Number:	IOB1817	Received: 02/23/05
Attention: Lisa Hall			

METHOD BLANK/QC DATA

VOLATILE ORGANICS with MTBE by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 5B24014 Extracted: 02/24/05										
LCS Analyzed: 02/24/2005 (5B24014-BS1)										
Ethylbenzene	26.3	0.50	ug/l	25.0		105	80-120			
Hexachlorobutadiene	24.8	1.0	ug/l	25.0		99	65-140			
Isopropylbenzene	26.1	1.0	ug/l	25.0		104	75-125			
p-Isopropyltoluene	24.4	1.0	ug/l	25.0		98	75-125			
Methylene chloride	24.4	5.0	ug/l	25.0		98	60-135			
Methyl-tert-butyl Ether (MTBE)	24.3	1.0	ug/l	25.0		97	55-145			
Naphthalene	23.7	1.0	ug/l	25.0		95	50-145			
n-Propylbenzene	24.8	1.0	ug/l	25.0		99	75-130			
Styrene	27.3	1.0	ug/l	25.0		109	80-135			
1,1,1,2-Tetrachloroethane	26.1	1.0	ug/l	25.0		104	70-145			
1,1,2,2-Tetrachloroethane	21.5	1.0	ug/l	25.0		86	60-135			
Tetrachloroethene	25.6	1.0	ug/l	25.0		102	75-125			
Toluene	25.1	0.50	ug/l	25.0		100	75-120			
1,2,3-Trichlorobenzene	24.7	1.0	ug/l	25.0		99	65-135			
1,2,4-Trichlorobenzene	26.1	1.0	ug/l	25.0		104	70-140			
1,1,1-Trichloroethane	25.7	1.0	ug/l	25.0		103	75-140			
1,1,2-Trichloroethane	23.2	1.0	ug/l	25.0		93	70-125			
Trichloroethene	26.1	1.0	ug/l	25.0		104	80-120			
Trichlorofluoromethane	24.8	1.0	ug/l	25.0		99	65-145			
1,2,3-Trichloropropane	22.0	1.0	ug/l	25.0		88	60-130			
1,2,4-Trimethylbenzene	25.0	1.0	ug/l	25.0		100	75-125			
1,3,5-Trimethylbenzene	26.0	1.0	ug/l	25.0		104	75-125			
Vinyl chloride	26.4	0.50	ug/l	25.0		106	50-130			
o-Xylene	24.1	0.50	ug/l	25.0		96	75-125			
m,p-Xylenes	48.2	1.0	ug/l	50.0		96	75-120			
Surrogate: Dibromofluoromethane	*25.4*		*ug/l*	*25.0*		*102*	*80-120*			
Surrogate: Toluene-d8	*26.7*		*ug/l*	*25.0*		*107*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*26.1*		*ug/l*	*25.0*		*104*	*80-120*			

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Chris Roberts
Project Manager

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MWH Americas - Brea
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Project ID: Honeywell, North Hollywood
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Report Number: IOB1817

Sampled: 02/23/05
Received: 02/23/05

METHOD BLANK/QC DATA

VOLATILE ORGANICS with MTBE by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 5B24014 Extracted: 02/24/05										
Matrix Spike Analyzed: 02/24/2005 (5B24014-MS1)					**Source: IOB1817-04**					
Benzene	26.0	0.50	ug/l	25.0	ND	104	70-120			
Bromobenzene	27.0	1.0	ug/l	25.0	ND	108	65-130			
Bromochloromethane	26.6	1.0	ug/l	25.0	ND	106	65-140			
Bromodichloromethane	26.0	1.0	ug/l	25.0	ND	104	70-140			
Bromoform	21.7	1.0	ug/l	25.0	ND	87	55-140			
Bromomethane	31.4	1.0	ug/l	25.0	ND	126	50-145			
n-Butylbenzene	27.0	1.0	ug/l	25.0	ND	108	70-140			
sec-Butylbenzene	25.5	1.0	ug/l	25.0	ND	102	70-130			
tert-Butylbenzene	26.6	1.0	ug/l	25.0	ND	106	70-130			
Carbon tetrachloride	27.6	0.50	ug/l	25.0	ND	110	70-145			
[illegible]robenzene	26.1	1.0	ug/l	25.0	ND	104	80-125			
[illegible]loroethane	32.8	1.0	ug/l	25.0	ND	131	50-145			
Chloroform	27.6	1.0	ug/l	25.0	0.47	109	70-135			
Chloromethane	26.9	1.0	ug/l	25.0	ND	108	35-145			
2-Chlorotoluene	25.8	1.0	ug/l	25.0	ND	103	70-140			
4-Chlorotoluene	26.8	1.0	ug/l	25.0	ND	107	70-140			
Dibromochloromethane	27.2	1.0	ug/l	25.0	ND	109	65-145			
1,2-Dibromo-3-chloropropane	19.9	5.0	ug/l	25.0	ND	80	45-155			
1,2-Dibromoethane (EDB)	26.2	1.0	ug/l	25.0	ND	105	70-130			
Dibromomethane	25.1	1.0	ug/l	25.0	ND	100	65-140			
1,2-Dichlorobenzene	26.4	1.0	ug/l	25.0	ND	106	75-130			
1,3-Dichlorobenzene	26.2	1.0	ug/l	25.0	ND	105	75-130			
1,4-Dichlorobenzene	25.7	1.0	ug/l	25.0	ND	103	80-120			
Dichlorodifluoromethane	39.4	2.0	ug/l	25.0	14	102	10-160			
1,1-Dichloroethane	30.5	1.0	ug/l	25.0	3.8	107	65-135			
1,2-Dichloroethane	27.6	0.50	ug/l	25.0	1.3	105	60-150			
1,1-Dichloroethene	28.4	1.0	ug/l	25.0	ND	114	65-140			
cis-1,2-Dichloroethene	53.1	1.0	ug/l	25.0	29	96	65-130			
trans-1,2-Dichloroethene	27.6	1.0	ug/l	25.0	ND	110	65-135			
1,2-Dichloropropane	27.9	1.0	ug/l	25.0	0.59	109	65-130			
1,3-Dichloropropane	26.4	1.0	ug/l	25.0	ND	106	65-140			
2,2-Dichloropropane	29.1	1.0	ug/l	25.0	ND	116	60-150			
1,1-Dichloropropene	28.3	1.0	ug/l	25.0	ND	113	65-140			
cis-1,3-Dichloropropene	28.3	0.50	ug/l	25.0	ND	113	70-140			
trans-1,3-Dichloropropene	28.0	0.50	ug/l	25.0	ND	112	70-140			

[illegible]Mar Analytical, Irvine
[illegible]s Roberts
Project Manager

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MWH Americas - Brea
3050 Saturn Ave., Suite 205
Brea, CA 92821
Attention: Lisa Hall

Project ID: Honeywell, North Hollywood
1890933.0501
Report Number: IOB1817

Sampled: 02/23/05
Received: 02/23/05

METHOD BLANK/QC DATA

VOLATILE ORGANICS with MTBE by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 5B24014 Extracted: 02/24/05										
Matrix Spike Analyzed: 02/24/2005 (5B24014-MS1)					**Source: IOB1817-04**					
Ethylbenzene	27.6	0.50	ug/l	25.0	ND	110	70-130			
Hexachlorobutadiene	25.3	1.0	ug/l	25.0	ND	101	65-140			
Isopropylbenzene	27.6	1.0	ug/l	25.0	ND	110	70-130			
p-Isopropyltoluene	25.9	1.0	ug/l	25.0	ND	104	70-130			
Methylene chloride	27.2	5.0	ug/l	25.0	ND	109	60-135			
Methyl-tert-butyl Ether (MTBE)	27.3	1.0	ug/l	25.0	ND	109	50-155			
Naphthalene	25.6	1.0	ug/l	25.0	ND	102	50-150			
n-Propylbenzene	26.2	1.0	ug/l	25.0	ND	105	70-135			
Styrene	29.0	1.0	ug/l	25.0	ND	116	55-145			
1,1,1,2-Tetrachloroethane	28.1	1.0	ug/l	25.0	ND	112	70-145			
1,1,2,2-Tetrachloroethane	25.1	1.0	ug/l	25.0	ND	100	60-145			
Tetrachloroethene	40.3	1.0	ug/l	25.0	16	97	70-130			
Toluene	26.4	0.50	ug/l	25.0	ND	106	70-120			
1,2,3-Trichlorobenzene	26.8	1.0	ug/l	25.0	ND	107	60-140			
1,2,4-Trichlorobenzene	27.9	1.0	ug/l	25.0	ND	112	60-140			
1,1,1-Trichloroethane	27.9	1.0	ug/l	25.0	ND	112	75-140			
1,1,2-Trichloroethane	25.9	1.0	ug/l	25.0	ND	104	60-135			
Trichloroethene	37.9	1.0	ug/l	25.0	12	104	70-125			
Trichlorofluoromethane	26.0	1.0	ug/l	25.0	ND	104	55-145			
1,2,3-Trichloropropane	24.7	1.0	ug/l	25.0	ND	99	55-140			
1,2,4-Trimethylbenzene	26.2	1.0	ug/l	25.0	ND	105	60-125			
1,3,5-Trimethylbenzene	27.4	1.0	ug/l	25.0	ND	110	70-130			
Vinyl chloride	27.9	0.50	ug/l	25.0	ND	112	40-135			
o-Xylene	25.5	0.50	ug/l	25.0	ND	102	65-125			
m,p-Xylenes	50.8	1.0	ug/l	50.0	ND	102	65-130			
Surrogate: Dibromofluoromethane	*26.2*		*ug/l*	*25.0*		*105*	*80-120*			
Surrogate: Toluene-d8	*26.9*		*ug/l*	*25.0*		*108*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*26.6*		*ug/l*	*25.0*		*106*	*80-120*			

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Chris Roberts
Project Manager

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MWH Americas - Brea
3050 Saturn Ave., Suite 205
Brea, CA 92821
Attention: Lisa Hall

Project ID: Honeywell, North Hollywood
1890933.0501
Report Number: IOB1817

Sampled: 02/23/05
Received: 02/23/05

METHOD BLANK/QC DATA

VOLATILE ORGANICS with MTBE by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 5B24014 Extracted: 02/24/05										
Matrix Spike Dup Analyzed: 02/24/2005 (5B24014-MSD1)					**Source: IOB1817-04**					
Benzene	26.0	0.50	ug/l	25.0	ND	104	70-120	0	20	
Bromobenzene	27.2	1.0	ug/l	25.0	ND	109	65-130	1	20	
Bromochloromethane	26.2	1.0	ug/l	25.0	ND	105	65-140	2	25	
Bromodichloromethane	25.5	1.0	ug/l	25.0	ND	102	70-140	2	20	
Bromoform	19.9	1.0	ug/l	25.0	ND	80	55-140	9	25	
Bromomethane	31.3	1.0	ug/l	25.0	ND	125	50-145	0	25	
n-Butylbenzene	27.4	1.0	ug/l	25.0	ND	110	70-140	1	20	
sec-Butylbenzene	26.3	1.0	ug/l	25.0	ND	105	70-130	3	20	
tert-Butylbenzene	26.9	1.0	ug/l	25.0	ND	108	70-130	1	20	
Carbon tetrachloride	27.6	0.50	ug/l	25.0	ND	110	70-145	0	25	
Chlorobenzene	26.0	1.0	ug/l	25.0	ND	104	80-125	0	20	
Chloroethane	32.8	1.0	ug/l	25.0	ND	131	50-145	0	25	
Chloroform	27.8	1.0	ug/l	25.0	0.47	109	70-135	1	20	
Chloromethane	26.7	1.0	ug/l	25.0	ND	107	35-145	1	25	
2-Chlorotoluene	26.9	1.0	ug/l	25.0	ND	108	70-140	4	20	
4-Chlorotoluene	27.0	1.0	ug/l	25.0	ND	108	70-140	1	20	
Dibromochloromethane	25.8	1.0	ug/l	25.0	ND	103	65-145	5	25	
1,2-Dibromo-3-chloropropane	17.2	5.0	ug/l	25.0	ND	69	45-155	15	30	
1,2-Dibromoethane (EDB)	24.5	1.0	ug/l	25.0	ND	98	70-130	7	25	
Dibromomethane	24.1	1.0	ug/l	25.0	ND	96	65-140	4	25	
1,2-Dichlorobenzene	26.2	1.0	ug/l	25.0	ND	105	75-130	1	20	
1,3-Dichlorobenzene	26.3	1.0	ug/l	25.0	ND	105	75-130	0	20	
1,4-Dichlorobenzene	26.0	1.0	ug/l	25.0	ND	104	80-120	1	20	
Dichlorodifluoromethane	39.0	2.0	ug/l	25.0	14	100	10-160	1	30	
1,1-Dichloroethane	30.9	1.0	ug/l	25.0	3.8	108	65-135	1	20	
1,2-Dichloroethane	26.4	0.50	ug/l	25.0	1.3	100	60-150	4	20	
1,1-Dichloroethene	28.6	1.0	ug/l	25.0	ND	114	65-140	1	20	
cis-1,2-Dichloroethene	53.2	1.0	ug/l	25.0	29	97	65-130	0	20	
trans-1,2-Dichloroethene	28.0	1.0	ug/l	25.0	ND	112	65-135	1	20	
1,2-Dichloropropane	27.8	1.0	ug/l	25.0	0.59	109	65-130	0	20	
1,3-Dichloropropane	24.8	1.0	ug/l	25.0	ND	99	65-140	6	25	
2,2-Dichloropropane	28.0	1.0	ug/l	25.0	ND	112	60-150	4	25	
1,1-Dichloropropene	28.3	1.0	ug/l	25.0	ND	113	65-140	0	20	
cis-1,3-Dichloropropene	27.9	0.50	ug/l	25.0	ND	112	70-140	1	20	
trans-1,3-Dichloropropene	27.1	0.50	ug/l	25.0	ND	108	70-140	3	25	

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3050 Saturn Ave., Suite 205
Brea, CA 92821
Attention: Lisa Hall

Project ID: Honeywell, North Hollywood
1890933.0501
Report Number: IOB1817

Sampled: 02/23/05
Received: 02/23/05

METHOD BLANK QC DATA

VOLATILE ORGANICS with MTBE by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 5B24014 Extracted: 02/24/05										
Matrix Spike Dup Analyzed: 02/24/2005 (5B24014-MSD1)					**Source: IOB1817-04**					
Ethylbenzene	27.6	0.50	ug/l	25.0	ND	110	70-130	0	20	
Hexachlorobutadiene	26.2	1.0	ug/l	25.0	ND	105	65-140	3	20	
Isopropylbenzene	27.8	1.0	ug/l	25.0	ND	111	70-130	1	20	
p-Isopropyltoluene	25.8	1.0	ug/l	25.0	ND	103	70-130	0	20	
Methylene chloride	27.5	5.0	ug/l	25.0	ND	110	60-135	1	20	
Methyl-tert-butyl Ether (MTBE)	25.2	1.0	ug/l	25.0	ND	101	50-155	8	25	
Naphthalene	23.4	1.0	ug/l	25.0	ND	94	50-150	9	30	
n-Propylbenzene	26.7	1.0	ug/l	25.0	ND	107	70-135	2	20	
Styrene	28.5	1.0	ug/l	25.0	ND	114	55-145	2	30	
1,1,1,2-Tetrachloroethane	28.0	1.0	ug/l	25.0	ND	112	70-145	0	20	
1,1,2,2-Tetrachloroethane	22.2	1.0	ug/l	25.0	ND	89	60-145	12	30	
Tetrachloroethene	41.1	1.0	ug/l	25.0	16	100	70-130	2	20	
Toluene	27.1	0.50	ug/l	25.0	ND	108	70-120	3	20	
1,2,3-Trichlorobenzene	25.4	1.0	ug/l	25.0	ND	102	60-140	5	20	
1,2,4-Trichlorobenzene	27.5	1.0	ug/l	25.0	ND	110	60-140	1	20	
1,1,1-Trichloroethane	28.3	1.0	ug/l	25.0	ND	113	75-140	1	20	
1,1,2-Trichloroethane	24.3	1.0	ug/l	25.0	ND	97	60-135	6	25	
Trichloroethene	37.7	1.0	ug/l	25.0	12	103	70-125	1	20	
Trichlorofluoromethane	27.4	1.0	ug/l	25.0	ND	110	55-145	5	25	
1,2,3-Trichloropropane	22.4	1.0	ug/l	25.0	ND	90	55-140	10	30	
1,2,4-Trimethylbenzene	26.5	1.0	ug/l	25.0	ND	106	60-125	1	25	
1,3,5-Trimethylbenzene	28.1	1.0	ug/l	25.0	ND	112	70-130	3	20	
Vinyl chloride	29.2	0.50	ug/l	25.0	ND	117	40-135	5	30	
o-Xylene	25.2	0.50	ug/l	25.0	ND	101	65-125	1	20	
m,p-Xylenes	50.5	1.0	ug/l	50.0	ND	101	65-130	1	25	
Surrogate: Dibromofluoromethane	*26.0*		*ug/l*	*25.0*		*104*	*80-120*			
Surrogate: Toluene-d8	*26.7*		*ug/l*	*25.0*		*107*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*26.2*		*ug/l*	*25.0*		*105*	*80-120*			

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Chris Roberts
Project Manager

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MWH Americas - Brea
3050 Saturn Ave., Suite 205
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Attention: Lisa Hall

Project ID: Honeywell, North Hollywood
1890933.0501
Report Number: IOB1817

Sampled: 02/23/05
Received: 02/23/05

METHOD BLANK/QC DATA

VOLATILE ORGANICS with MTBE by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 5B25031 Extracted: 02/25/05										
Blank Analyzed: 02/25/2005 (5B25031-BLK1)										
Benzene	ND	0.50	ug/l							
Bromobenzene	ND	1.0	ug/l							
Bromochloromethane	ND	1.0	ug/l							
Bromodichloromethane	ND	1.0	ug/l							
Bromoform	ND	1.0	ug/l							
Bromomethane	ND	1.0	ug/l							
n-Butylbenzene	ND	1.0	ug/l							
sec-Butylbenzene	ND	1.0	ug/l							
tert-Butylbenzene	ND	1.0	ug/l							
Carbon tetrachloride	ND	1.0	ug/l							
Chlorobenzene	ND	0.50	ug/l							
Chloroethane	ND	1.0	ug/l							
Chloroform	ND	1.0	ug/l							
Chloromethane	ND	1.0	ug/l							
2-Chlorotoluene	ND	1.0	ug/l							
4-Chlorotoluene	ND	1.0	ug/l							
Dibromochloromethane	ND	1.0	ug/l							
1,2-Dibromo-3-chloropropane	ND	5.0	ug/l							
1,2-Dibromoethane (EDB)	ND	1.0	ug/l							
Dibromomethane	ND	1.0	ug/l							
1,2-Dichlorobenzene	ND	1.0	ug/l							
1,3-Dichlorobenzene	ND	1.0	ug/l							
1,4-Dichlorobenzene	ND	1.0	ug/l							
Dichlorodifluoromethane	ND	2.0	ug/l							
1,1-Dichloroethane	ND	1.0	ug/l							
1,2-Dichloroethane	ND	0.50	ug/l							
1,1-Dichloroethene	ND	1.0	ug/l							
cis-1,2-Dichloroethene	ND	1.0	ug/l							
trans-1,2-Dichloroethene	ND	1.0	ug/l							
1,2-Dichloropropane	ND	1.0	ug/l							
1,3-Dichloropropane	ND	1.0	ug/l							
2,2-Dichloropropane	ND	1.0	ug/l							
1,1-Dichloropropene	ND	1.0	ug/l							
cis-1,3-Dichloropropene	ND	0.50	ug/l							
trans-1,3-Dichloropropene	ND	0.50	ug/l							

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Chris Roberts
Project Manager

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MWH Americas - Brea 3050 Saturn Ave., Suite 205 Brea, CA 92821 Attention: Lisa Hall	Project ID: Honeywell, North Hollywood 1890933.0501 Report Number: IOB1817	Sampled: 02/23/05 Received: 02/23/05

METHOD BLANK/QC DATA

VOLATILE ORGANICS with MTBE by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 5B25031 Extracted: 02/25/05										
Blank Analyzed: 02/25/2005 (5B25031-BLK1)										
Ethylbenzene	ND	0.50	ug/l							
Hexachlorobutadiene	ND	1.0	ug/l							
Isopropylbenzene	ND	1.0	ug/l							
p-Isopropyltoluene	ND	1.0	ug/l							
Methylene chloride	ND	5.0	ug/l							
Methyl-tert-butyl Ether (MTBE)	ND	1.0	ug/l							
Naphthalene	ND	1.0	ug/l							
n-Propylbenzene	ND	1.0	ug/l							
Styrene	ND	1.0	ug/l							
1,1,1,2-Tetrachloroethane	ND	1.0	ug/l							
1,1,2,2-Tetrachloroethane	ND	1.0	ug/l							
Tetrachloroethene	ND	1.0	ug/l							
Toluene	ND	0.50	ug/l							
1,2,3-Trichlorobenzene	ND	1.0	ug/l							
1,2,4-Trichlorobenzene	ND	1.0	ug/l							
1,1,1-Trichloroethane	ND	1.0	ug/l							
1,1,2-Trichloroethane	ND	1.0	ug/l							
Trichloroethene	ND	1.0	ug/l							
Trichlorofluoromethane	ND	1.0	ug/l							
1,2,3-Trichloropropane	ND	1.0	ug/l							
1,2,4-Trimethylbenzene	ND	1.0	ug/l							
1,3,5-Trimethylbenzene	ND	1.0	ug/l							
Vinyl chloride	ND	0.50	ug/l							
o-Xylene	ND	0.50	ug/l							
m,p-Xylenes	ND	1.0	ug/l							
Surrogate: Dibromofluoromethane	*26.1*		*ug/l*	*25.0*		*104*	*80-120*			
Surrogate: Toluene-d8	*26.8*		*ug/l*	*25.0*		*107*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*25.5*		*ug/l*	*25.0*		*102*	*80-120*			

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MWH Americas - Brea
3050 Saturn Ave., Suite 205
Brea, CA 92821
Attention: Lisa Hall

Project ID: Honeywell, North Hollywood
1890933.0501
Report Number: IOB1817

Sampled: 02/23/05
Received: 02/23/05

METHOD BLANK/QC DATA

VOLATILE ORGANICS with MTBE by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 5B25031 Extracted: 02/25/05										
LCS Analyzed: 02/25/2005 (5B25031-BS1)										
Benzene	26.7	0.50	ug/l	25.0		107	70-120			
Bromobenzene	27.6	1.0	ug/l	25.0		110	80-120			
Bromochloromethane	27.3	1.0	ug/l	25.0		109	65-135			
Bromodichloromethane	26.9	1.0	ug/l	25.0		108	70-140			
Bromoform	22.7	1.0	ug/l	25.0		91	55-135			
Bromomethane	30.2	1.0	ug/l	25.0		121	60-140			
n-Butylbenzene	26.5	1.0	ug/l	25.0		106	75-130			
sec-Butylbenzene	25.7	1.0	ug/l	25.0		103	75-125			
tert-Butylbenzene	26.9	1.0	ug/l	25.0		108	75-125			
Carbon tetrachloride	28.2	0.50	ug/l	25.0		113	70-140			
Chlorobenzene	26.2	1.0	ug/l	25.0		105	80-125			
Chloroethane	31.9	1.0	ug/l	25.0		128	60-145			
Chloroform	27.1	1.0	ug/l	25.0		108	75-130			
Chloromethane	26.9	1.0	ug/l	25.0		108	40-145			
2-Chlorotoluene	26.5	1.0	ug/l	25.0		106	75-125			
4-Chlorotoluene	26.7	1.0	ug/l	25.0		107	75-125			
Dibromochloromethane	27.9	1.0	ug/l	25.0		112	65-145			
1,2-Dibromo-3-chloropropane	20.9	5.0	ug/l	25.0		84	50-135			
1,2-Dibromoethane (EDB)	26.7	1.0	ug/l	25.0		107	75-125			
Dibromomethane	26.6	1.0	ug/l	25.0		106	75-130			
1,2-Dichlorobenzene	26.1	1.0	ug/l	25.0		104	80-120			
1,3-Dichlorobenzene	26.1	1.0	ug/l	25.0		104	80-120			
1,4-Dichlorobenzene	25.8	1.0	ug/l	25.0		103	80-120			
Dichlorodifluoromethane	26.2	2.0	ug/l	25.0		105	10-160			
1,1-Dichloroethane	27.3	1.0	ug/l	25.0		109	70-135			
1,2-Dichloroethane	26.9	0.50	ug/l	25.0		108	60-150			
1,1-Dichloroethene	28.9	1.0	ug/l	25.0		116	75-135			
cis-1,2-Dichloroethene	28.2	1.0	ug/l	25.0		113	70-125			
trans-1,2-Dichloroethene	28.2	1.0	ug/l	25.0		113	70-130			
1,2-Dichloropropane	28.2	1.0	ug/l	25.0		113	70-120			
1,3-Dichloropropane	27.1	1.0	ug/l	25.0		108	70-130			
2,2-Dichloropropane	26.0	1.0	ug/l	25.0		104	65-150			
1,1-Dichloropropene	28.9	1.0	ug/l	25.0		116	75-130			
cis-1,3-Dichloropropene	29.3	0.50	ug/l	25.0		117	75-130			
trans-1,3-Dichloropropene	28.7	0.50	ug/l	25.0		115	75-135			

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Del Mar Analytical

MWH Americas - Brea 3050 Saturn Ave., Suite 205 Brea, CA 92821 Attention: Lisa Hall	Project ID: Honeywell, North Hollywood 1890933.0501 Report Number: IOB1817	Sampled: 02/23/05 Received: 02/23/05

METHOD BLANK/QC DATA

VOLATILE ORGANICS with MTBE by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 5B25031 Extracted: 02/25/05										
LCS Analyzed: 02/25/2005 (5B25031-BS1)										
Ethylbenzene	27.4	0.50	ug/l	25.0		110	80-120			
Hexachlorobutadiene	25.8	1.0	ug/l	25.0		103	65-140			
Isopropylbenzene	27.6	1.0	ug/l	25.0		110	75-125			
p-Isopropyltoluene	25.9	1.0	ug/l	25.0		104	75-125			
Methylene chloride	27.5	5.0	ug/l	25.0		110	60-135			
Methyl-tert-butyl Ether (MTBE)	27.2	1.0	ug/l	25.0		109	55-145			
Naphthalene	26.1	1.0	ug/l	25.0		104	50-145			
n-Propylbenzene	26.3	1.0	ug/l	25.0		105	75-130			
Styrene	29.4	1.0	ug/l	25.0		118	80-135			
1,1,1,2-Tetrachloroethane	28.3	1.0	ug/l	25.0		113	70-145			
1,1,2,2-Tetrachloroethane	24.6	1.0	ug/l	25.0		98	60-135			
Tetrachloroethene	27.2	1.0	ug/l	25.0		109	75-125			
Toluene	27.4	0.50	ug/l	25.0		110	75-120			
1,2,3-Trichlorobenzene	26.7	1.0	ug/l	25.0		107	65-135			
1,2,4-Trichlorobenzene	27.8	1.0	ug/l	25.0		111	70-140			
1,1,1-Trichloroethane	27.6	1.0	ug/l	25.0		110	75-140			
1,1,2-Trichloroethane	26.7	1.0	ug/l	25.0		107	70-125			
Trichloroethene	29.2	1.0	ug/l	25.0		117	80-120			
Trichlorofluoromethane	27.1	1.0	ug/l	25.0		108	65-145			
1,2,3-Trichloropropane	25.6	1.0	ug/l	25.0		102	60-130			
1,2,4-Trimethylbenzene	26.2	1.0	ug/l	25.0		105	75-125			
1,3,5-Trimethylbenzene	27.8	1.0	ug/l	25.0		111	75-125			
Vinyl chloride	29.1	0.50	ug/l	25.0		116	50-130			
o-Xylene	25.7	0.50	ug/l	25.0		103	75-125			
m,p-Xylenes	51.1	1.0	ug/l	50.0		102	75-120			
Surrogate: Dibromofluoromethane	*25.3*		*ug/l*	*25.0*		*101*	*80-120*			
Surrogate: Toluene-d8	*26.9*		*ug/l*	*25.0*		*108*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*26.4*		*ug/l*	*25.0*		*106*	*80-120*			

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MWH Americas - Brea
3050 Saturn Ave., Suite 205
Brea, CA 92821
Attention: Lisa Hall

Project ID: Honeywell, North Hollywood
1890933.0501
Report Number: IOB1817

Sampled: 02/23/05
Received: 02/23/05

METHOD BLANK/QC DATA

VOLATILE ORGANICS with MTBE by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 5B25031 Extracted: 02/25/05										
Matrix Spike Analyzed: 02/25/2005 (5B25031-MS1)					**Source: IOB1696-15**					
Benzene	25.1	0.50	ug/l	25.0	ND	100	70-120			
Bromobenzene	26.8	1.0	ug/l	25.0	ND	107	65-130			
Bromochloromethane	25.8	1.0	ug/l	25.0	ND	103	65-140			
Bromodichloromethane	25.1	1.0	ug/l	25.0	ND	100	70-140			
Bromoform	20.2	1.0	ug/l	25.0	ND	81	55-140			
Bromomethane	28.5	1.0	ug/l	25.0	ND	114	50-145			
n-Butylbenzene	25.8	1.0	ug/l	25.0	ND	103	70-140			
sec-Butylbenzene	25.0	1.0	ug/l	25.0	ND	100	70-130			
tert-Butylbenzene	26.0	1.0	ug/l	25.0	ND	104	70-130			
Carbon tetrachloride	26.6	0.50	ug/l	25.0	ND	106	70-145			
Chlorobenzene	24.8	1.0	ug/l	25.0	ND	99	80-125			
Chloroethane	29.8	1.0	ug/l	25.0	ND	119	50-145			
Chloroform	28.0	1.0	ug/l	25.0	2.0	104	70-135			
Chloromethane	24.6	1.0	ug/l	25.0	ND	98	35-145			
2-Chlorotoluene	26.1	1.0	ug/l	25.0	ND	104	70-140			
4-Chlorotoluene	26.3	1.0	ug/l	25.0	ND	105	70-140			
Dibromochloromethane	25.7	1.0	ug/l	25.0	ND	103	65-145			
1,2-Dibromo-3-chloropropane	19.2	5.0	ug/l	25.0	ND	77	45-155			
1,2-Dibromoethane (EDB)	24.6	1.0	ug/l	25.0	ND	98	70-130			
Dibromomethane	24.3	1.0	ug/l	25.0	ND	97	65-140			
1,2-Dichlorobenzene	24.8	1.0	ug/l	25.0	ND	99	75-130			
1,3-Dichlorobenzene	25.0	1.0	ug/l	25.0	ND	100	75-130			
1,4-Dichlorobenzene	24.7	1.0	ug/l	25.0	ND	99	80-120			
Dichlorodifluoromethane	24.0	2.0	ug/l	25.0	ND	96	10-160			
1,1-Dichloroethane	26.6	1.0	ug/l	25.0	ND	106	65-135			
1,2-Dichloroethane	25.5	0.50	ug/l	25.0	0.63	99	60-150			
1,1-Dichloroethene	29.0	1.0	ug/l	25.0	0.91	112	65-140			
cis-1,2-Dichloroethene	27.1	1.0	ug/l	25.0	ND	108	65-130			
trans-1,2-Dichloroethene	27.6	1.0	ug/l	25.0	ND	110	65-135			
1,2-Dichloropropane	26.7	1.0	ug/l	25.0	ND	107	65-130			
1,3-Dichloropropane	25.7	1.0	ug/l	25.0	ND	103	65-140			
2,2-Dichloropropane	25.2	1.0	ug/l	25.0	ND	101	60-150			
1,1-Dichloropropene	27.3	1.0	ug/l	25.0	ND	109	65-140			
cis-1,3-Dichloropropene	27.2	0.50	ug/l	25.0	ND	109	70-140			
trans-1,3-Dichloropropene	26.7	0.50	ug/l	25.0	ND	107	70-140			

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MWH Americas - Brea 3050 Saturn Ave., Suite 205 Brea, CA 92821 Attention: Lisa Hall	Project ID: Honeywell, North Hollywood 1890933.0501 Report Number: IOB1817	Sampled: 02/23/05 Received: 02/23/05

METHOD BLANK/QC DATA

VOLATILE ORGANICS with MTBE by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 5B25031 Extracted: 02/25/05										
Matrix Spike Analyzed: 02/25/2005 (5B25031-MS1)					**Source: IOB1696-15**					
Ethylbenzene	26.4	0.50	ug/l	25.0	ND	106	70-130			
Hexachlorobutadiene	25.1	1.0	ug/l	25.0	ND	100	65-140			
Isopropylbenzene	27.2	1.0	ug/l	25.0	ND	109	70-130			
p-Isopropyltoluene	24.8	1.0	ug/l	25.0	ND	99	70-130			
Methylene chloride	26.6	5.0	ug/l	25.0	ND	106	60-135			
Methyl-tert-butyl Ether (MTBE)	25.4	1.0	ug/l	25.0	ND	102	50-155			
Naphthalene	25.0	1.0	ug/l	25.0	ND	100	50-150			
n-Propylbenzene	25.9	1.0	ug/l	25.0	ND	104	70-135			
Styrene	17.3	1.0	ug/l	25.0	ND	69	55-145			
1,1,1,2-Tetrachloroethane	26.4	1.0	ug/l	25.0	ND	106	70-145			
1,1,2,2-Tetrachloroethane	24.4	1.0	ug/l	25.0	ND	98	60-145			
Tetrachloroethene	118	1.0	ug/l	25.0	110	32	70-130			*M-HA*
Toluene	26.0	0.50	ug/l	25.0	ND	104	70-120			
1,2,3-Trichlorobenzene	25.8	1.0	ug/l	25.0	ND	103	60-140			
1,2,4-Trichlorobenzene	26.6	1.0	ug/l	25.0	ND	106	60-140			
1,1,1-Trichloroethane	26.2	1.0	ug/l	25.0	ND	105	75-140			
1,1,2-Trichloroethane	25.0	1.0	ug/l	25.0	ND	100	60-135			
Trichloroethene	27.8	1.0	ug/l	25.0	1.7	104	70-125			
Trichlorofluoromethane	25.9	1.0	ug/l	25.0	ND	104	55-145			
1,2,3-Trichloropropane	24.4	1.0	ug/l	25.0	ND	98	55-140			
1,2,4-Trimethylbenzene	25.4	1.0	ug/l	25.0	ND	102	60-125			
1,3,5-Trimethylbenzene	27.1	1.0	ug/l	25.0	ND	108	70-130			
Vinyl chloride	27.3	0.50	ug/l	25.0	ND	109	40-135			
o-Xylene	24.2	0.50	ug/l	25.0	ND	97	65-125			
m,p-Xylenes	48.5	1.0	ug/l	50.0	ND	97	65-130			
Surrogate: Dibromofluoromethane	*27.4*		*ug/l*	*25.0*		*110*	*80-120*			
Surrogate: Toluene-d8	*28.0*		*ug/l*	*25.0*		*112*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*27.2*		*ug/l*	*25.0*		*109*	*80-120*			

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Project ID: Honeywell, North Hollywood
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Report Number: IOB1817

Sampled: 02/23/05
Received: 02/23/05

METHOD BLANK/QC DATA

VOLATILE ORGANICS with MTBE by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 5B25031 Extracted: 02/25/05										
Matrix Spike Dup Analyzed: 02/25/2005 (5B25031-MSD1)					**Source: IOB1696-15**					
Benzene	25.3	0.50	ug/l	25.0	ND	101	70-120	1	20	
Bromobenzene	26.4	1.0	ug/l	25.0	ND	106	65-130	2	20	
Bromochloromethane	26.3	1.0	ug/l	25.0	ND	105	65-140	2	25	
Bromodichloromethane	25.7	1.0	ug/l	25.0	ND	103	70-140	2	20	
Bromoform	21.3	1.0	ug/l	25.0	ND	85	55-140	5	25	
Bromomethane	27.4	1.0	ug/l	25.0	ND	110	50-145	4	25	
n-Butylbenzene	25.6	1.0	ug/l	25.0	ND	102	70-140	1	20	
sec-Butylbenzene	24.9	1.0	ug/l	25.0	ND	100	70-130	0	20	
tert-Butylbenzene	25.5	1.0	ug/l	25.0	ND	102	70-130	2	20	
Carbon tetrachloride	26.5	0.50	ug/l	25.0	ND	106	70-145	0	25	
Chlorobenzene	24.8	1.0	ug/l	25.0	ND	99	80-125	0	20	
Chloroethane	28.8	1.0	ug/l	25.0	ND	115	50-145	3	25	
Chloroform	27.8	1.0	ug/l	25.0	2.0	103	70-135	1	20	
Chloromethane	24.5	1.0	ug/l	25.0	ND	98	35-145	0	25	
2-Chlorotoluene	25.2	1.0	ug/l	25.0	ND	101	70-140	4	20	
4-Chlorotoluene	25.6	1.0	ug/l	25.0	ND	102	70-140	3	20	
Dibromochloromethane	26.6	1.0	ug/l	25.0	ND	106	65-145	3	25	
1,2-Dibromo-3-chloropropane	20.2	5.0	ug/l	25.0	ND	81	45-155	5	30	
1,2-Dibromoethane (EDB)	25.9	1.0	ug/l	25.0	ND	104	70-130	5	25	
Dibromomethane	25.0	1.0	ug/l	25.0	ND	100	65-140	3	25	
1,2-Dichlorobenzene	25.2	1.0	ug/l	25.0	ND	101	75-130	2	20	
1,3-Dichlorobenzene	24.7	1.0	ug/l	25.0	ND	99	75-130	1	20	
1,4-Dichlorobenzene	24.4	1.0	ug/l	25.0	ND	98	80-120	1	20	
Dichlorodifluoromethane	23.6	2.0	ug/l	25.0	ND	94	10-160	2	30	
1,1-Dichloroethane	26.0	1.0	ug/l	25.0	ND	104	65-135	2	20	
1,2-Dichloroethane	26.7	0.50	ug/l	25.0	0.63	104	60-150	5	20	
1,1-Dichloroethene	28.7	1.0	ug/l	25.0	0.91	111	65-140	1	20	
cis-1,2-Dichloroethene	26.4	1.0	ug/l	25.0	ND	106	65-130	3	20	
trans-1,2-Dichloroethene	27.1	1.0	ug/l	25.0	ND	108	65-135	2	20	
1,2-Dichloropropane	27.0	1.0	ug/l	25.0	ND	108	65-130	1	20	
1,3-Dichloropropane	26.1	1.0	ug/l	25.0	ND	104	65-140	2	25	
2,2-Dichloropropane	24.2	1.0	ug/l	25.0	ND	97	60-150	4	25	
1,1-Dichloropropene	27.9	1.0	ug/l	25.0	ND	112	65-140	2	20	
cis-1,3-Dichloropropene	27.4	0.50	ug/l	25.0	ND	110	70-140	1	20	
trans-1,3-Dichloropropene	27.2	0.50	ug/l	25.0	ND	109	70-140	2	25	

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MWH Americas - Brea 3050 Saturn Ave., Suite 205 Brea, CA 92821 Attention: Lisa Hall	Project ID: Honeywell, North Hollywood 1890933.0501 Report Number: IOB1817	Sampled: 02/23/05 Received: 02/23/05

METHOD BLANK/QC DATA

VOLATILE ORGANICS with MTBE by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 5B25031 Extracted: 02/25/05										
Matrix Spike Dup Analyzed: 02/25/2005 (5B25031-MSD1)					**Source: IOB1696-15**					
Ethylbenzene	26.8	0.50	ug/l	25.0	ND	107	70-130	2	20	
Hexachlorobutadiene	24.8	1.0	ug/l	25.0	ND	99	65-140	1	20	
Isopropylbenzene	26.7	1.0	ug/l	25.0	ND	107	70-130	2	20	
p-Isopropyltoluene	24.3	1.0	ug/l	25.0	ND	97	70-130	2	20	
Methylene chloride	26.2	5.0	ug/l	25.0	ND	105	60-135	2	20	
Methyl-tert-butyl Ether (MTBE)	25.6	1.0	ug/l	25.0	ND	102	50-155	1	25	
Naphthalene	25.6	1.0	ug/l	25.0	ND	102	50-150	2	30	
n-Propylbenzene	25.1	1.0	ug/l	25.0	ND	100	70-135	3	20	
Styrene	17.0	1.0	ug/l	25.0	ND	68	55-145	2	30	
1,1,1,2-Tetrachloroethane	26.8	1.0	ug/l	25.0	ND	107	70-145	2	20	
1,1,2,2-Tetrachloroethane	25.2	1.0	ug/l	25.0	ND	101	60-145	3	30	
Tetrachloroethene	121	1.0	ug/l	25.0	110	44	70-130	3	20	*M-HA*
Toluene	26.0	0.50	ug/l	25.0	ND	104	70-120	0	20	
1,2,3-Trichlorobenzene	25.7	1.0	ug/l	25.0	ND	103	60-140	0	20	
1,2,4-Trichlorobenzene	26.6	1.0	ug/l	25.0	ND	106	60-140	0	20	
1,1,1-Trichloroethane	26.0	1.0	ug/l	25.0	ND	104	75-140	1	20	
1,1,2-Trichloroethane	26.1	1.0	ug/l	25.0	ND	104	60-135	4	25	
Trichloroethene	28.0	1.0	ug/l	25.0	1.7	105	70-125	1	20	
Trichlorofluoromethane	25.5	1.0	ug/l	25.0	ND	102	55-145	2	25	
1,2,3-Trichloropropane	25.0	1.0	ug/l	25.0	ND	100	55-140	2	30	
1,2,4-Trimethylbenzene	25.2	1.0	ug/l	25.0	ND	101	60-125	1	25	
1,3,5-Trimethylbenzene	26.4	1.0	ug/l	25.0	ND	106	70-130	3	20	
Vinyl chloride	26.4	0.50	ug/l	25.0	ND	106	40-135	3	30	
o-Xylene	24.2	0.50	ug/l	25.0	ND	97	65-125	0	20	
m,p-Xylenes	48.9	1.0	ug/l	50.0	ND	98	65-130	1	25	
Surrogate: Dibromofluoromethane	*27.0*		*ug/l*	*25.0*		*108*	*80-120*			
Surrogate: Toluene-d8	*27.8*		*ug/l*	*25.0*		*111*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*27.7*		*ug/l*	*25.0*		*111*	*80-120*			

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MWH Americas - Brea
3050 Saturn Ave., Suite 205
Brea, CA 92821
Attention: Lisa Hall

Project ID: Honeywell, North Hollywood
1890933.0501
Report Number: IOB1817

Sampled: 02/23/05
Received: 02/23/05

METHOD BLANK/QC DATA

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3520C/8270C MOD)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 5B24040 Extracted: 02/24/05										
Blank Analyzed: 02/25/2005 (5B24040-BLK1)										
1,4-Dioxane	ND	1.0	ug/l							
Surrogate: 1,4-Dioxane-d8	*1.06*		*ug/l*	*2.00*		*53*	*35-120*			
LCS Analyzed: 02/25/2005 (5B24040-BS1)										
1,4-Dioxane	1.16	1.0	ug/l	2.00		58	35-120			
Surrogate: 1,4-Dioxane-d8	*1.05*		*ug/l*	*2.00*		*52*	*35-120*			
Matrix Spike Analyzed: 02/25/2005 (5B24040-MS1)					**Source: IOB1817-04**					
1,4-Dioxane	7.74	2.0	ug/l	4.00	5.4	58	35-120			
Surrogate: 1,4-Dioxane-d8	*2.19*		*ug/l*	*4.00*		*55*	*35-120*			
Matrix Spike Dup Analyzed: 02/25/2005 (5B24040-MSD1)					**Source: IOB1817-04**					
1,4-Dioxane	7.77	2.0	ug/l	4.00	5.4	59	35-120	0	25	
Surrogate: 1,4-Dioxane-d8	*2.29*		*ug/l*	*4.00*		*57*	*35-120*			

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METHOD BLANK/QC DATA

METALS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 5B24046 Extracted: 02/24/05										
Blank Analyzed: 02/24/2005 (5B24046-BLK1)										
Mercury	ND	0.00020	mg/l							
LCS Analyzed: 02/24/2005 (5B24046-BS1)										
Mercury	0.00785	0.00020	mg/l	0.00800		98	90-115			
Matrix Spike Analyzed: 02/24/2005 (5B24046-MS1)					Source: IOB1817-03					
Mercury	0.00817	0.00020	mg/l	0.00800	ND	102	75-120			
Matrix Spike Dup Analyzed: 02/24/2005 (5B24046-MSD1)					Source: IOB1817-03					
Mercury	0.00750	0.00020	mg/l	0.00800	ND	94	75-120	9	20	
Batch: 5B24047 Extracted: 02/24/05										
Blank Analyzed: 02/24/2005-02/25/2005 (5B24047-BLK1)										
Antimony	ND	0.010	mg/l							
Arsenic	ND	0.0050	mg/l							
Barium	ND	0.010	mg/l							
Beryllium	ND	0.0040	mg/l							
Cadmium	ND	0.0050	mg/l							
Chromium	ND	0.0050	mg/l							
Cobalt	ND	0.010	mg/l							
Copper	ND	0.010	mg/l							
Lead	ND	0.0050	mg/l							
Molybdenum	ND	0.020	mg/l							
Nickel	ND	0.010	mg/l							
Selenium	ND	0.0050	mg/l							
Silver	ND	0.010	mg/l							
Thallium	ND	0.0050	mg/l							
Vanadium	ND	0.010	mg/l							
Zinc	ND	0.020	mg/l							

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METHOD BLANK/QC DATA

METALS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 5B24047 Extracted: 02/24/05										
LCS Analyzed: 02/24/2005-02/25/2005 (5B24047-BS1)										
Antimony	1.02	0.010	mg/l	1.00		102	80-120			
Arsenic	0.983	0.0050	mg/l	1.00		98	80-120			
Barium	0.958	0.010	mg/l	1.00		96	80-120			
Beryllium	0.963	0.0040	mg/l	1.00		96	80-120			
Cadmium	0.954	0.0050	mg/l	1.00		95	80-120			
Chromium	0.973	0.0050	mg/l	1.00		97	80-120			
Cobalt	0.920	0.010	mg/l	1.00		92	80-120			
Copper	0.936	0.010	mg/l	1.00		94	80-120			
Lead	0.942	0.0050	mg/l	1.00		94	80-120			
Molybdenum	0.983	0.020	mg/l	1.00		98	80-120			
Nickel	0.941	0.010	mg/l	1.00		94	80-120			
Selenium	0.999	0.0050	mg/l	1.00		100	80-120			
Silver	0.486	0.010	mg/l	0.500		97	80-120			
Thallium	0.989	0.0050	mg/l	1.00		99	80-120			
Vanadium	0.967	0.010	mg/l	1.00		97	80-120			
Zinc	0.948	0.020	mg/l	1.00		95	80-120			
Matrix Spike Analyzed: 02/24/2005-02/25/2005 (5B24047-MS1)					**Source: IOB1817-03**					
Antimony	1.06	0.010	mg/l	1.00	0.0053	105	75-125			
Arsenic	1.04	0.0050	mg/l	1.00	0.0082	103	75-125			
Barium	1.35	0.010	mg/l	1.00	0.36	99	75-125			
Beryllium	1.02	0.0040	mg/l	1.00	ND	102	75-125			
Cadmium	0.967	0.0050	mg/l	1.00	ND	97	75-125			
Chromium	1.18	0.0050	mg/l	1.00	0.18	100	75-125			
Cobalt	0.906	0.010	mg/l	1.00	ND	91	75-125			
Copper	0.975	0.010	mg/l	1.00	ND	98	75-125			
Lead	0.949	0.0050	mg/l	1.00	ND	95	75-125			
Molybdenum	1.02	0.020	mg/l	1.00	0.0059	101	75-125			
Nickel	0.926	0.010	mg/l	1.00	ND	93	75-125			
Selenium	1.04	0.0050	mg/l	1.00	ND	104	75-125			
Silver	0.520	0.010	mg/l	0.500	0.0030	103	75-125			
Thallium	1.02	0.0050	mg/l	1.00	0.0084	101	75-125			
Vanadium	1.03	0.010	mg/l	1.00	0.0036	103	75-125			
Zinc	1.04	0.020	mg/l	1.00	0.072	97	75-125			

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METHOD BLANK/QC DATA

METALS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 5B24047 Extracted: 02/24/05										
Matrix Spike Dup Analyzed: 02/24/2005-02/25/2005 (5B24047-MSD1)					**Source: IOB1817-03**					
Antimony	1.06	0.010	mg/l	1.00	0.0053	105	75-125	0	20	
Arsenic	1.02	0.0050	mg/l	1.00	0.0082	101	75-125	2	20	
Barium	1.32	0.010	mg/l	1.00	0.36	96	75-125	2	20	
Beryllium	1.01	0.0040	mg/l	1.00	ND	101	75-125	1	20	
Cadmium	0.957	0.0050	mg/l	1.00	ND	96	75-125	1	20	
Chromium	1.16	0.0050	mg/l	1.00	0.18	98	75-125	2	20	
Cobalt	0.901	0.010	mg/l	1.00	ND	90	75-125	1	20	
Copper	0.969	0.010	mg/l	1.00	ND	97	75-125	1	20	
Lead	0.924	0.0050	mg/l	1.00	ND	92	75-125	3	20	
Molybdenum	1.02	0.020	mg/l	1.00	0.0059	101	75-125	0	20	
Nickel	0.915	0.010	mg/l	1.00	ND	92	75-125	1	20	
Selenium	1.03	0.0050	mg/l	1.00	ND	103	75-125	1	20	
Silver	0.502	0.010	mg/l	0.500	0.0030	100	75-125	4	20	
Thallium	1.02	0.0050	mg/l	1.00	0.0084	101	75-125	0	20	
Vanadium	1.02	0.010	mg/l	1.00	0.0036	102	75-125	1	20	
Zinc	1.03	0.020	mg/l	1.00	0.072	96	75-125	1	20	
Batch: 5B24052 Extracted: 02/24/05										
Blank Analyzed: 02/24/2005 (5B24052-BLK1)										
Thallium	ND	1.0	ug/l							
LCS Analyzed: 02/24/2005 (5B24052-BS1)										
Thallium	82.5	1.0	ug/l	80.0		103	80-120			
Matrix Spike Analyzed: 02/24/2005 (5B24052-MS1)					**Source: IOB1817-03**					
Thallium	82.1	1.0	ug/l	80.0	0.17	102	75-125			

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METHOD BLANK QC DATA

METALS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 5B24052 Extracted: 02/24/05										
Matrix Spike Dup Analyzed: 02/24/2005 (5B24052-MSD1)					**Source: IOB1817-03**					
Thallium	81.2	1.0	ug/l	80.0	0.17	101	75-125	1	20	
Batch: 5B25093 Extracted: 02/25/05										
Blank Analyzed: 02/25/2005-02/27/2005 (5B25093-BLK1)										
Antimony	ND	0.010	mg/l							
Arsenic	ND	0.0050	mg/l							
Barium	ND	0.010	mg/l							
Beryllium	ND	0.0040	mg/l							
Cadmium	ND	0.0050	mg/l							
Chromium	ND	0.0050	mg/l							
Cobalt	ND	0.010	mg/l							
Copper	ND	0.010	mg/l							
Lead	ND	0.0050	mg/l							
Molybdenum	ND	0.020	mg/l							
Nickel	ND	0.010	mg/l							
Selenium	ND	0.0050	mg/l							
Silver	ND	0.010	mg/l							
Thallium	ND	0.0050	mg/l							
Vanadium	ND	0.010	mg/l							
Zinc	ND	0.020	mg/l							
LCS Analyzed: 02/25/2005-02/27/2005 (5B25093-BS1)										
Antimony	1.06	0.010	mg/l	1.00		106	80-120			
Arsenic	1.00	0.0050	mg/l	1.00		100	80-120			
Barium	0.977	0.010	mg/l	1.00		98	80-120			
Beryllium	0.985	0.0040	mg/l	1.00		98	80-120			
Cadmium	0.975	0.0050	mg/l	1.00		98	80-120			
Chromium	0.991	0.0050	mg/l	1.00		99	80-120			
Cobalt	0.989	0.010	mg/l	1.00		99	80-120			
Copper	0.977	0.010	mg/l	1.00		98	80-120			
Lead	0.978	0.0050	mg/l	1.00		98	80-120			
Molybdenum	0.995	0.020	mg/l	1.00		100	80-120			
Nickel	0.974	0.010	mg/l	1.00		97	80-120			
Selenium	0.972	0.0050	mg/l	1.00		97	80-120			
Silver	0.493	0.010	mg/l	0.500		99	80-120			
Thallium	1.00	0.0050	mg/l	1.00		100	80-120			

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METHOD BLANK QC DATA

METALS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 5B25093 Extracted: 02/25/05										
LCS Analyzed: 02/25/2005-02/27/2005 (5B25093-BS1)										
Vanadium	0.985	0.010	mg/l	1.00		98	80-120			
Zinc	0.959	0.020	mg/l	1.00		96	80-120			
Matrix Spike Analyzed: 02/25/2005-02/27/2005 (5B25093-MS1)					**Source: IOB1976-12**					
Antimony	1.09	0.010	mg/l	1.00	ND	109	75-125			
Arsenic	1.04	0.0050	mg/l	1.00	ND	104	75-125			
Barium	1.21	0.010	mg/l	1.00	0.26	95	75-125			
Beryllium	1.01	0.0040	mg/l	1.00	ND	101	75-125			
Cadmium	0.958	0.0050	mg/l	1.00	ND	96	75-125			
Chromium	1.20	0.0050	mg/l	1.00	0.20	100	75-125			
Cobalt	0.938	0.010	mg/l	1.00	ND	94	75-125			
Copper	0.968	0.010	mg/l	1.00	ND	97	75-125			
Lead	0.972	0.0050	mg/l	1.00	ND	97	75-125			
Molybdenum	1.03	0.020	mg/l	1.00	0.0058	102	75-125			
Nickel	0.923	0.010	mg/l	1.00	0.0029	92	75-125			
Selenium	0.993	0.0050	mg/l	1.00	ND	99	75-125			
Silver	0.502	0.010	mg/l	0.500	ND	100	75-125			
Thallium	1.03	0.0050	mg/l	1.00	0.0088	102	75-125			
Vanadium	1.01	0.010	mg/l	1.00	0.0037	101	75-125			
Zinc	0.977	0.020	mg/l	1.00	0.024	95	75-125			
Matrix Spike Dup Analyzed: 02/25/2005-02/27/2005 (5B25093-MSD1)					**Source: IOB1976-12**					
Antimony	1.09	0.010	mg/l	1.00	ND	109	75-125	0	20	
Arsenic	1.05	0.0050	mg/l	1.00	ND	105	75-125	1	20	
Barium	1.21	0.010	mg/l	1.00	0.26	95	75-125	0	20	
Beryllium	1.01	0.0040	mg/l	1.00	ND	101	75-125	0	20	
Cadmium	0.956	0.0050	mg/l	1.00	ND	96	75-125	0	20	
Chromium	1.20	0.0050	mg/l	1.00	0.20	100	75-125	0	20	
Cobalt	0.934	0.010	mg/l	1.00	ND	93	75-125	0	20	
Copper	0.970	0.010	mg/l	1.00	ND	97	75-125	0	20	
Lead	0.972	0.0050	mg/l	1.00	ND	97	75-125	0	20	
Molybdenum	1.03	0.020	mg/l	1.00	0.0058	102	75-125	0	20	
Nickel	0.920	0.010	mg/l	1.00	0.0029	92	75-125	0	20	
Selenium	0.995	0.0050	mg/l	1.00	ND	100	75-125	0	20	
Silver	0.502	0.010	mg/l	0.500	ND	100	75-125	0	20	
Thallium	1.02	0.0050	mg/l	1.00	0.0088	101	75-125	1	20	

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Chris Roberts
Project Manager

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MWH Americas - Brea
3050 Saturn Ave., Suite 205
Brea, CA 92821
Attention: Lisa Hall

Project ID: Honeywell, North Hollywood
1890933.0501
Report Number: IOB1817

Sampled: 02/23/05
Received: 02/23/05

METHOD BLANK QC DATA

METALS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 5B25093 Extracted: 02/25/05										
Matrix Spike Dup Analyzed: 02/25/2005-02/27/2005 (5B25093-MSD1)					**Source: IOB1976-12**					
Vanadium	1.01	0.010	mg/l	1.00	0.0037	101	75-125	0	20	
Zinc	0.977	0.020	mg/l	1.00	0.024	95	75-125	0	20	
Batch: 5B25106 Extracted: 02/25/05										
Blank Analyzed: 02/25/2005 (5B25106-BLK1)										
Mercury	ND	0.00020	mg/l							
LCS Analyzed: 02/25/2005 (5B25106-BS1)										
Mercury	0.00841	0.00020	mg/l	0.00800		105	90-115			
Matrix Spike Analyzed: 02/25/2005 (5B25106-MS1)					**Source: IOB1976-12**					
Mercury	0.00861	0.00020	mg/l	0.00800	ND	108	75-120			
Matrix Spike Dup Analyzed: 02/25/2005 (5B25106-MSD1)					**Source: IOB1976-12**					
Mercury	0.00860	0.00020	mg/l	0.00800	ND	108	75-120	0	20	
Batch: 5B25114 Extracted: 02/25/05										
Blank Analyzed: 02/26/2005 (5B25114-BLK1)										
Thallium	ND	1.0	ug/l							
LCS Analyzed: 02/26/2005 (5B25114-BS1)										
Thallium	77.6	1.0	ug/l	80.0		97	80-120			
Matrix Spike Analyzed: 02/26/2005 (5B25114-MS1)					**Source: IOB1976-12**					
Thallium	67.8	1.0	ug/l	80.0	0.11	85	75-125			

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Project Manager

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2520 E. Sunset Rd. #3, Las Vegas, NV 89120 (702) 798-3620 FAX (702) 798-3621

MWH Americas - Brea 3050 Saturn Ave., Suite 205 Brea, CA 92821 Attention: Lisa Hall	Project ID: Honeywell, North Hollywood 1890933.0501 Report Number: IOB1817	Sampled: 02/23/05 Received: 02/23/05

METHOD BLANK/QC DATA

METALS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 5B25114 Extracted: 02/25/05										
Matrix Spike Dup Analyzed: 02/26/2005 (5B25114-MSD1)					**Source: IOB1976-12**					
Thallium	73.3	1.0	ug/l	80.0	0.11	91	75-125	8	20	

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MWH Americas - Brea
3050 Saturn Ave., Suite 205
Brea, CA 92821
Attention: Lisa Hall

Project ID: Honeywell, North Hollywood
1890933.0501
Report Number: IOB1817

Sampled: 02/23/05
Received: 02/23/05

METHOD BLANK/QC DATA

INORGANICS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 5B23063 Extracted: 02/23/05										
Blank Analyzed: 02/23/2005 (5B23063-BLK1)										
Chromium VI	ND	0.0010	mg/l							
LCS Analyzed: 02/23/2005 (5B23063-BS1)										
Chromium VI	0.0493	0.0010	mg/l	0.0500		99	90-110			
Matrix Spike Analyzed: 02/23/2005 (5B23063-MS1)					Source: IOB1727-03					
Chromium VI	0.0466	0.0010	mg/l	0.0500	0.00078	92	80-115			
Matrix Spike Analyzed: 02/24/2005 (5B23063-MS2)					Source: IOB1817-04					
Chromium VI	0.379	0.0050	mg/l	0.250	0.17	84	80-115			
Matrix Spike Dup Analyzed: 02/23/2005 (5B23063-MSD1)					Source: IOB1727-03					
Chromium VI	0.0476	0.0010	mg/l	0.0500	0.00078	94	80-115	2	15	
Matrix Spike Dup Analyzed: 02/24/2005 (5B23063-MSD2)					Source: IOB1817-04					
Chromium VI	0.384	0.0050	mg/l	0.250	0.17	86	80-115	1	15	
Batch: 5B24061 Extracted: 02/24/05										
Blank Analyzed: 02/24/2005 (5B24061-BLK1)										
Perchlorate	ND	2.0	ug/l							
LCS Analyzed: 02/24/2005 (5B24061-BS1)										
Perchlorate	46.3	2.0	ug/l	50.0		93	85-115			
Matrix Spike Analyzed: 02/24/2005 (5B24061-MS1)					Source: IOB1741-01					
Perchlorate	50.3	2.0	ug/l	50.0	2.2	96	80-120			

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Project Manager

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MWH Americas - Brea
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Attention: Lisa Hall

Project ID: Honeywell, North Hollywood
1890933.0501
Report Number: IOB1817

Sampled: 02/23/05
Received: 02/23/05

METHOD BLANK/QC DATA

INORGANICS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 5B24061 Extracted: 02/24/05										
Matrix Spike Analyzed: 02/24/2005 (5B24061-MS2)					**Source: IOB1817-04**					
Perchlorate	48.2	2.0	ug/l	50.0	1.5	93	80-120			
Matrix Spike Dup Analyzed: 02/24/2005 (5B24061-MSD1)					**Source: IOB1741-01**					
Perchlorate	50.3	2.0	ug/l	50.0	2.2	96	80-120	0	20	
Matrix Spike Dup Analyzed: 02/24/2005 (5B24061-MSD2)					**Source: IOB1817-04**					
Perchlorate	47.0	2.0	ug/l	50.0	1.5	91	80-120	3	20	
Batch: 5B25064 Extracted: 02/25/05										
Blank Analyzed: 02/25/2005 (5B25064-BLK1)										
Perchlorate	ND	2.0	ug/l							
LCS Analyzed: 02/25/2005 (5B25064-BS1)										
Perchlorate	48.4	2.0	ug/l	50.0		97	85-115			
Matrix Spike Analyzed: 02/25/2005 (5B25064-MS1)					**Source: IOB1976-13**					
Perchlorate	51.3	2.0	ug/l	50.0	1.5	100	80-120			
Matrix Spike Dup Analyzed: 02/26/2005 (5B25064-MSD1)					**Source: IOB1976-13**					
Perchlorate	51.4	2.0	ug/l	50.0	1.5	100	80-120	0	20	
Batch: 5B25084 Extracted: 02/25/05										
Blank Analyzed: 02/25/2005 (5B25084-BLK1)										
Chromium VI	ND	0.0010	mg/l							

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Chris Roberts
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MWH Americas - Brea
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Brea, CA 92821
Attention: Lisa Hall

Project ID: Honeywell, North Hollywood
1890933.0501
Report Number: IOB1817

Sampled: 02/23/05
Received: 02/23/05

METHOD BLANK/QC DATA

INORGANICS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 5B25084 Extracted: 02/25/05										
LCS Analyzed: 02/25/2005 (5B25084-BS1)										
Chromium VI	0.0473	0.0010	mg/l	0.0500		95	90-110			
Matrix Spike Analyzed: 02/25/2005 (5B25084-MS1)					Source: IOB1976-13					
Chromium VI	0.395	0.0050	mg/l	0.250	0.17	90	80-115			
Matrix Spike Dup Analyzed: 02/25/2005 (5B25084-MSD1)					Source: IOB1976-13					
Chromium VI	0.397	0.0050	mg/l	0.250	0.17	91	80-115	1	15	

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Lois Roberts
Project Manager

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2520 E. Sunset Rd. #3, Las Vegas, NV 89120 (702) 798-3620 FAX (702) 798-3621

MWH Americas - Brea 3050 Saturn Ave., Suite 205 Brea, CA 92821 Attention: Lisa Hall	Project ID: Honeywell, North Hollywood 1890933.0501 Report Number: IOB1817	Sampled: 02/23/05 Received: 02/23/05

DATA QUALIFIERS AND DEFINITIONS

H	Sample analysis performed past method-specified holding time.
M-HA	Due to high levels of analyte in the sample, the MS/MSD calculation does not provide useful spike recovery information. See Blank Spike (LCS).
ND	Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified.
RPD	Relative Percent Difference

Del Mar Analytical, Irvine
Chris Roberts
Project Manager

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MWH Americas - Brea
3050 Saturn Ave., Suite 205
Brea, CA 92821
Attention: Lisa Hall

Project ID: Honeywell, North Hollywood
1890933.0501
Report Number: IOB1817

Sampled: 02/23/05
Received: 02/23/05

Certification Summary

Del Mar Analytical, Irvine

Method	Matrix	Nelac	California
EPA 314.0	Water	N/A	X
EPA 6010B	Water	X	X
EPA 6020	Water	X	X
EPA 7199	Water	X	X
EPA 7470A	Water	X	X
EPA 8260B	Water	X	X
EPA 8270C MOD	Water	X	X

Nevada and NELAP provide analyte specific accreditations. Analyte specific information for Del Mar Analytical may be obtained by contacting the laboratory or visiting our website at www.dmalabs.com.

Mar Analytical, Irvine
is Roberts
Project Manager

3/28/06 104(e)
0729

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IOB1817

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Irvine, CA 92606
Phone: (949)261-1022 Fax: (949) 435-0858

A/C Manager: Mike Purkinson
Client Contact: (name, co., address)
Mike Flaugher/Lisa Hall
MWH
3050 Saturn Street, Suite 205, Brea, CA 92821
Michael.E.Flaugher@mwhglobal.com
Contact Phone/Cell: (714)936-3397
Hardcopy Report To:
Invoice To:

Honeywell

Chain Of Custody / Analysis Request

Privileged & Confidential
EDD To:
Sampler: J.Plummer
P O # 1890933.05
Analysis Turnaround Time: 24hr 10
Standard -
Rush Charges Authorized for -
2 weeks -
1 week - Rush
Next Day -

Site Name: NORTHHOLLY
Location of Site: Honeywell - North Hollywood Site - 11600 Sherman Way, North Hollywood, CA

AFSTRef: 38271-38932
COC #: 37070-0022
Lab Use Only
Lab Proj #:
Lab ID: DMA
Job No: 1890933.0501

Preservative

	Location ID	Start Depth (ft)	End Depth (ft)	Field Sample ID	Sample Date	Sample Time	Sample Type	Sample Matrix	Sample Purpose	# of Cont.	Units	Field Filtered Sample?	Title 22 CAM Metals List (w/o Hg)	SW7470 Title 22 CAM Mercury	SW7199 Chromium VI	SW6020 Thallium	SW8270C MOD 1,4-Dioxane	E314.0 Perclorate	E8260 Volatile Organics							Lab Sample Numbers
													0	0	0	0	0	0	0	0	0	0	0	0	0	
													mg/L	mg/L	mg/L	ug/L	ug/L	mg/L	ug/L							
1	GW-1			GW-1-2/23/05-F	2/23/05	0845	GW	Water	Reg	1			X	X		X										
2	GW-1			GW-1-2/23/05		0845				6					X		X	X	X							
3	GW-3			GW-3-2/23/05-F		1015				1			X	X		X										
4	GW-3			GW-3-2/23/05		1015				6					X		X	X	X							
5	GW-3			GW-3-2/23/05 MS/MSD		1015				1			X	X		X										
6	GW-3			GW-3-2/23/05 MS/MSD		1015				6					X		X	X	X							
7	GW-14A			GW-14A-PA-2/23/05-F		1100				1			X	X		X										
8	GW-14A			GW-14A-PA-2/23/05		1100				4					X				X							
9	GW-14A			GW-14A-2/23/05-F		1155				1			X	X		X										
10	GW-14A			GW-14A-2/23/05		1155				4					X				X							
11	GW-14A			GW-14A-PC-2/23/05-F		1255				1			X	X		X										
12	GW-14A			GW-14A-PC-2/23/05		1255				4					X				X							

Special Instructions: EPA 6010B - Title 22 CAM Metals List - Sb, As, Ba, Be, Cd, Cr, Co, Cu, Pb, Mo, Ni, Se, Ag, Va, Zn; EPA 7470A - Title 22 CAM Metals List - Hg

Relinquished by	Company	MWH	Received by	Company	DMA	Condition		Custody Seals Intact	
[signature]	Date/Time 2/23/05	1900	[signature]	Date/Time 2-23-05	1900	Cooler Temp.			
Relinquished by	Company		Received by	Company		Condition		Custody Seals Intact	
[signature]	Date/Time 2/23/05	2100	[signature]	Date/Time 2/23/05	2100	Cooler Temp. 3°C			

Preservatives: 0 = None; [1 = HCL]; [2 = HNO3]; [3 = H2SO4]; [4 = NaOH]; [5 = Zn. Acetate]; [6 = MeOH]; [7 = NaHSO4]; 8 = Other (specify):

3/28/06 104(e)
0730

DEL MAR ANALYTICAL
2825 Alton Avenue
Irvine, CA 92606
Phone: (949)261-1022 Fax: (949) 435-0858

Honeywell — Chain Of Custody / Analysis Request

AESI Ref: 38271-38932
COC #: 37070-0023
Lab Use Only
Lab Proj #:
Lab ID: DMA
Job No: 1890933.0501

Privileged & Confidential
EDD To:
Site Name: NORTHHOLLY
Location of Site: Honeywell - North Hollywood Site - 11600 Sherman Way, North Hollywood, CA

A/C Manager: Mike Parkinson
Client Contact: (name, co., address)
Mike Flaugher/Lisa Hall
MWH
3050 Saturn Street, Suite 205, Brea, CA 92821
Michael.E.Flaugher@mwhglobal.com
Contact Phone/Cell: (714)936-3397
Hardcopy Report To:
Invoice To:

Sampler: J.Plummer
P O # 1890933.05
Analysis Turnaround Time: 24hr 10
Standard -
Rush Charges Authorized for -
2 weeks -
1 week -
Next Day -
Rush

Written and maintained by AESI (Ver 3.5) 11-05-04

	Location ID	Start Depth (ft)	End Depth (ft)	Field Sample ID	Sample Date	Sample Time	Sample Type	Sample Matrix	Sample Purpose	# of Cont.	Grab/Composite	Field Filtered Sample ?	Title 22 CAM Metals List (w/o Hg)	SW7470 Title 22 CAM Mercury	SW7199 Chromium VI	SW6020 Thallium	SW8270C MOD 1,4-Dioxane	E314.0 Perclorate	E8260 Volatile Organics							Lab Sample Number
													Preservative													
													0	0	0	0	0	0	0	0	0	0	0	0	0	
												Units	mg/L	mg/L	mg/L	ug/L	ug/L	mg/L	ug/L							
1	GW-14B			GW-14B-PA-2/23/05-F	2/23/05	1510	GW	Water	Reg	1			X	X		X										
2	GW-14B			GW-14B-PA2/23/05	↓	1510	↓	↓	↓	4					X				X							
3	TB			TB-022305	↓	0905	↓	↓	↓	2									X							
4	~~GW-14A~~			GW-14A-PD 2/23/05		14:00	GW	H2O	Reg																	Sample submitted 2/23/05, not on COC. added per Michael Flaugher 2/25/05 WAL
5																										
6																										
7																										
8																										
9																										
10																										
11																										
12																										

J.P.

Special Instructions: EPA 6010B - Title 22 CAM Metals List - Sb, As, Ba, Be, Cd, Cr, Co, Cu, Pb, Mo, Ni, Se, Ag, Va, Zn; EPA 7470A - Title 22 CAM Metals List - Hg

Relinquished by	Company	MWH	Received by	Company	DMA	Condition		Custody Seals Intact	
[signature]	Date/Time 2/23/05	1900	[signature]	Date/Time 2/23/05	1905	Cooler Temp.			
Relinquished by	Company		Received by	Company	DMA	Condition	9632	Custody Seals Intact	
[signature]	Date/Time 2/23/05	2100	[signature]	Date/Time 2/23/05	2100	Cooler Temp.	3°C		

Preservatives: 0 = None; [1 = HCL]; [2 = HNO3]; [3 = H2SO4]; [4 = NaOH]; [5 = Zn. Acetate]; [6 = MeOH]; [7 = NaHSO4]; 8 = Other (specify):

3/28/06 104(e)
0731

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LABORATORY REPORT

Prepared For: MWH Americas - Brea
3050 Saturn Ave., Suite 205
Brea, CA 92821
Attention: Lisa Hall

Project: Honeywell, North Hollywood
1890933.0501

Sampled: 02/23/05
Received: 02/23/05
Issued: 03/01/05 15:25

NELAP #01108CA California ELAP#1197 CSDLAC #10117

The results listed within this Laboratory Report pertain only to the samples tested in the laboratory. The analyses contained in this report were performed in accordance with the applicable certifications as noted. All soil samples are reported on a wet weight basis unless otherwise noted in the report. This Laboratory Report is confidential and is intended for the sole use of Del Mar Analytical and its client. This report shall not be reproduced, except in full, without written permission from Del Mar Analytical. The Chain of Custody, 1 page, is included and is an integral part of this report.
This entire report was reviewed and approved for release.

SAMPLE CROSS REFERENCE

LABORATORY ID	CLIENT ID	MATRIX
IOB1818-01	EB-02-02/23/05	Water

Reviewed By:

Del Mar Analytical, Irvine
Chris Roberts
Project Manager

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MWH Americas - Brea
3050 Saturn Ave., Suite 205
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Attention: Lisa Hall

Project ID: Honeywell, North Hollywood
1890933.0501
Report Number: IOB1818

Sampled: 02/23/05
Received: 02/23/05

VOLATILE ORGANICS with MTBE by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IOB1818-01 (EB-02-02/23/05 - Water)								
Reporting Units: ug/l								
Benzene	EPA 8260B	5B24029	0.50	ND	1	2/24/2005	2/24/2005	
Bromobenzene	EPA 8260B	5B24029	1.0	ND	1	2/24/2005	2/24/2005	
Bromochloromethane	EPA 8260B	5B24029	1.0	ND	1	2/24/2005	2/24/2005	
Bromodichloromethane	EPA 8260B	5B24029	1.0	ND	1	2/24/2005	2/24/2005	
Bromoform	EPA 8260B	5B24029	1.0	ND	1	2/24/2005	2/24/2005	
Bromomethane	EPA 8260B	5B24029	1.0	ND	1	2/24/2005	2/24/2005	
n-Butylbenzene	EPA 8260B	5B24029	1.0	ND	1	2/24/2005	2/24/2005	
sec-Butylbenzene	EPA 8260B	5B24029	1.0	ND	1	2/24/2005	2/24/2005	
tert-Butylbenzene	EPA 8260B	5B24029	1.0	ND	1	2/24/2005	2/24/2005	
Carbon tetrachloride	EPA 8260B	5B24029	0.50	ND	1	2/24/2005	2/24/2005	
Chlorobenzene	EPA 8260B	5B24029	1.0	ND	1	2/24/2005	2/24/2005	
Chloroethane	EPA 8260B	5B24029	1.0	ND	1	2/24/2005	2/24/2005	
Chloroform	EPA 8260B	5B24029	1.0	ND	1	2/24/2005	2/24/2005	
Chloromethane	EPA 8260B	5B24029	1.0	ND	1	2/24/2005	2/24/2005	
2-Chlorotoluene	EPA 8260B	5B24029	1.0	ND	1	2/24/2005	2/24/2005	
4-Chlorotoluene	EPA 8260B	5B24029	1.0	ND	1	2/24/2005	2/24/2005	
Dibromochloromethane	EPA 8260B	5B24029	1.0	ND	1	2/24/2005	2/24/2005	
1,2-Dibromo-3-chloropropane	EPA 8260B	5B24029	5.0	ND	1	2/24/2005	2/24/2005	
1,2-Dibromoethane (EDB)	EPA 8260B	5B24029	1.0	ND	1	2/24/2005	2/24/2005	
Dibromomethane	EPA 8260B	5B24029	1.0	ND	1	2/24/2005	2/24/2005	
1,2-Dichlorobenzene	EPA 8260B	5B24029	1.0	ND	1	2/24/2005	2/24/2005	
1,3-Dichlorobenzene	EPA 8260B	5B24029	1.0	ND	1	2/24/2005	2/24/2005	
1,4-Dichlorobenzene	EPA 8260B	5B24029	1.0	ND	1	2/24/2005	2/24/2005	
Dichlorodifluoromethane	EPA 8260B	5B24029	2.0	ND	1	2/24/2005	2/24/2005	
1,1-Dichloroethane	EPA 8260B	5B24029	1.0	ND	1	2/24/2005	2/24/2005	
1,2-Dichloroethane	EPA 8260B	5B24029	0.50	ND	1	2/24/2005	2/24/2005	
1,1-Dichloroethene	EPA 8260B	5B24029	1.0	ND	1	2/24/2005	2/24/2005	
cis-1,2-Dichloroethene	EPA 8260B	5B24029	1.0	ND	1	2/24/2005	2/24/2005	
trans-1,2-Dichloroethene	EPA 8260B	5B24029	1.0	ND	1	2/24/2005	2/24/2005	
1,2-Dichloropropane	EPA 8260B	5B24029	1.0	ND	1	2/24/2005	2/24/2005	
1,3-Dichloropropane	EPA 8260B	5B24029	1.0	ND	1	2/24/2005	2/24/2005	
2,2-Dichloropropane	EPA 8260B	5B24029	1.0	ND	1	2/24/2005	2/24/2005	
1,1-Dichloropropene	EPA 8260B	5B24029	1.0	ND	1	2/24/2005	2/24/2005	
cis-1,3-Dichloropropene	EPA 8260B	5B24029	0.50	ND	1	2/24/2005	2/24/2005	
trans-1,3-Dichloropropene	EPA 8260B	5B24029	0.50	ND	1	2/24/2005	2/24/2005	
Ethylbenzene	EPA 8260B	5B24029	0.50	ND	1	2/24/2005	2/24/2005	
Hexachlorobutadiene	EPA 8260B	5B24029	1.0	ND	1	2/24/2005	2/24/2005	
Isopropylbenzene	EPA 8260B	5B24029	1.0	ND	1	2/24/2005	2/24/2005	
p-Isopropyltoluene	EPA 8260B	5B24029	1.0	ND	1	2/24/2005	2/24/2005	
Methylene chloride	EPA 8260B	5B24029	5.0	ND	1	2/24/2005	2/24/2005	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	5B24029	1.0	ND	1	2/24/2005	2/24/2005	

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3050 Saturn Ave., Suite 205
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Project ID: Honeywell, North Hollywood
1890933.0501
Report Number: IOB1818

Sampled: 02/23/05
Received: 02/23/05

VOLATILE ORGANICS with MTBE by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IOB1818-01 (EB-02-02/23/05 - Water) - cont.								
Reporting Units: ug/l								
Naphthalene	EPA 8260B	5B24029	1.0	ND	1	2/24/2005	2/24/2005	
n-Propylbenzene	EPA 8260B	5B24029	1.0	ND	1	2/24/2005	2/24/2005	
Styrene	EPA 8260B	5B24029	1.0	ND	1	2/24/2005	2/24/2005	
1,1,1,2-Tetrachloroethane	EPA 8260B	5B24029	1.0	ND	1	2/24/2005	2/24/2005	
1,1,2,2-Tetrachloroethane	EPA 8260B	5B24029	1.0	ND	1	2/24/2005	2/24/2005	
Tetrachloroethene	EPA 8260B	5B24029	1.0	ND	1	2/24/2005	2/24/2005	
Toluene	EPA 8260B	5B24029	0.50	**0.70**	1	2/24/2005	2/24/2005	
1,2,3-Trichlorobenzene	EPA 8260B	5B24029	1.0	ND	1	2/24/2005	2/24/2005	
1,2,4-Trichlorobenzene	EPA 8260B	5B24029	1.0	ND	1	2/24/2005	2/24/2005	
1,1,1-Trichloroethane	EPA 8260B	5B24029	1.0	ND	1	2/24/2005	2/24/2005	
1,1,2-Trichloroethane	EPA 8260B	5B24029	1.0	ND	1	2/24/2005	2/24/2005	
Trichloroethene	EPA 8260B	5B24029	1.0	ND	1	2/24/2005	2/24/2005	
Trichlorofluoromethane	EPA 8260B	5B24029	1.0	ND	1	2/24/2005	2/24/2005	
1,2,3-Trichloropropane	EPA 8260B	5B24029	1.0	ND	1	2/24/2005	2/24/2005	
1,2,4-Trimethylbenzene	EPA 8260B	5B24029	1.0	ND	1	2/24/2005	2/24/2005	
1,3,5-Trimethylbenzene	EPA 8260B	5B24029	1.0	ND	1	2/24/2005	2/24/2005	
Vinyl chloride	EPA 8260B	5B24029	0.50	ND	1	2/24/2005	2/24/2005	
o-Xylene	EPA 8260B	5B24029	0.50	ND	1	2/24/2005	2/24/2005	
m,p-Xylenes	EPA 8260B	5B24029	1.0	ND	1	2/24/2005	2/24/2005	
Surrogate: Dibromofluoromethane (80-120%)				*105 %*				
Surrogate: Toluene-d8 (80-120%)				*96 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*95 %*				

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SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3520C/8270C MOD)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IOB1818-01 (EB-02-02/23/05 - Water)								**RL-4**
Reporting Units: ug/l								
1,4-Dioxane	EPA 8270C MOD	5B24040	1.1	ND	1.11	2/24/2005	2/25/2005	
Surrogate: 1,4-Dioxane-d8 (35-120%)				*60 %*				

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Sampled: 02/23/05
Received: 02/23/05

METALS

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IOB1818-01 (EB-02-02/23/05 - Water)								
Reporting Units: mg/l								
Antimony	EPA 6010B	5B24047	0.010	ND	1	2/24/2005	2/25/2005	
Arsenic	EPA 6010B	5B24047	0.0050	0.0057	1	2/24/2005	2/25/2005	
Barium	EPA 6010B	5B24047	0.010	ND	1	2/24/2005	2/25/2005	
Beryllium	EPA 6010B	5B24047	0.0040	ND	1	2/24/2005	2/25/2005	
Cadmium	EPA 6010B	5B24047	0.0050	ND	1	2/24/2005	2/25/2005	
Chromium	EPA 6010B	5B24047	0.0050	ND	1	2/24/2005	2/25/2005	
Cobalt	EPA 6010B	5B24047	0.010	ND	1	2/24/2005	2/25/2005	
Copper	EPA 6010B	5B24047	0.010	ND	1	2/24/2005	2/25/2005	
Lead	EPA 6010B	5B24047	0.0050	ND	1	2/24/2005	2/25/2005	
Mercury	EPA 7470A	5B24046	0.00020	ND	1	2/24/2005	2/24/2005	
Molybdenum	EPA 6010B	5B24047	0.020	ND	1	2/24/2005	2/25/2005	
Nickel	EPA 6010B	5B24047	0.010	ND	1	2/24/2005	2/25/2005	
Selenium	EPA 6010B	5B24047	0.0050	ND	1	2/24/2005	2/25/2005	
Silver	EPA 6010B	5B24047	0.010	ND	1	2/24/2005	2/25/2005	
Vanadium	EPA 6010B	5B24047	0.010	ND	1	2/24/2005	2/25/2005	
c	EPA 6010B	5B24047	0.020	ND	1	2/24/2005	2/25/2005	
Sample ID: IOB1818-01 (EB-02-02/23/05 - Water)								
Reporting Units: ug/l								
Thallium	EPA 6020	5B24052	1.0	ND	1	2/24/2005	2/24/2005	

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INORGANICS

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IOB1818-01 (EB-02-02/23/05 - Water)								
Reporting Units: mg/l								
Chromium VI	EPA 7199	5B23063	0.0010	ND	1	2/23/2005	2/23/2005	
Sample ID: IOB1818-01 (EB-02-02/23/05 - Water)								
Reporting Units: ug/l								
Perchlorate	EPA 314.0	5B24061	2.0	ND	1	2/24/2005	2/24/2005	

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Sampled: 02/23/05
Received: 02/23/05

SHORT HOLD TIME DETAIL REPORT

	Hold Time (in days)	Date/Time Sampled	Date/Time Received	Date/Time Extracted	Date/Time Analyzed
Sample ID: EB-02-02/23/05 (IOB1818-01) - Water					
EPA 7199	1	02/23/2005 15:40	02/23/2005 21:00	02/23/2005 21:15	02/23/2005 23:50

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MWH Americas - Brea 3050 Saturn Ave., Suite 205 Brea, CA 92821 Attention: Lisa Hall	Project ID: Honeywell, North Hollywood 1890933.0501 Report Number: IOB1818	Sampled: 02/23/05 Received: 02/23/05

METHOD BLANK/QC DATA

VOLATILE ORGANICS with MTBE by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 5B24029 Extracted: 02/24/05										
Blank Analyzed: 02/24/2005 (5B24029-BLK1)										
Benzene	ND	0.50	ug/l							
Bromobenzene	ND	1.0	ug/l							
Bromochloromethane	ND	1.0	ug/l							
Bromodichloromethane	ND	1.0	ug/l							
Bromoform	ND	1.0	ug/l							
Bromomethane	ND	1.0	ug/l							
n-Butylbenzene	ND	1.0	ug/l							
sec-Butylbenzene	ND	1.0	ug/l							
tert-Butylbenzene	ND	1.0	ug/l							
Carbon tetrachloride	ND	0.50	ug/l							
Chlorobenzene	ND	1.0	ug/l							
Chloroethane	ND	1.0	ug/l							
Chloroform	ND	1.0	ug/l							
Chloromethane	ND	1.0	ug/l							
2-Chlorotoluene	ND	1.0	ug/l							
4-Chlorotoluene	ND	1.0	ug/l							
Dibromochloromethane	ND	1.0	ug/l							
1,2-Dibromo-3-chloropropane	ND	5.0	ug/l							
1,2-Dibromoethane (EDB)	ND	1.0	ug/l							
Dibromomethane	ND	1.0	ug/l							
1,2-Dichlorobenzene	ND	1.0	ug/l							
1,3-Dichlorobenzene	ND	1.0	ug/l							
1,4-Dichlorobenzene	ND	1.0	ug/l							
Dichlorodifluoromethane	ND	2.0	ug/l							
1,1-Dichloroethane	ND	1.0	ug/l							
1,2-Dichloroethane	ND	0.50	ug/l							
1,1-Dichloroethene	ND	1.0	ug/l							
cis-1,2-Dichloroethene	ND	1.0	ug/l							
trans-1,2-Dichloroethene	ND	1.0	ug/l							
1,2-Dichloropropane	ND	1.0	ug/l							
1,3-Dichloropropane	ND	1.0	ug/l							
2,2-Dichloropropane	ND	1.0	ug/l							
1,1-Dichloropropene	ND	1.0	ug/l							
cis-1,3-Dichloropropene	ND	0.50	ug/l							
trans-1,3-Dichloropropene	ND	0.50	ug/l							

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METHOD BLANK/QC DATA

VOLATILE ORGANICS with MTBE by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 5B24029 Extracted: 02/24/05										
Blank Analyzed: 02/24/2005 (5B24029-BLK1)										
Ethylbenzene	ND	0.50	ug/l							
Hexachlorobutadiene	ND	1.0	ug/l							
Isopropylbenzene	ND	1.0	ug/l							
p-Isopropyltoluene	ND	1.0	ug/l							
Methylene chloride	ND	5.0	ug/l							
Methyl-tert-butyl Ether (MTBE)	ND	1.0	ug/l							
Naphthalene	ND	1.0	ug/l							
n-Propylbenzene	ND	1.0	ug/l							
Styrene	ND	1.0	ug/l							
1,1,2-Tetrachloroethane	ND	1.0	ug/l							
1,2,2-Tetrachloroethane	ND	1.0	ug/l							
Tetrachloroethene	ND	1.0	ug/l							
Toluene	ND	0.50	ug/l							
1,2,3-Trichlorobenzene	ND	1.0	ug/l							
1,2,4-Trichlorobenzene	ND	1.0	ug/l							
1,1,1-Trichloroethane	ND	1.0	ug/l							
1,1,2-Trichloroethane	ND	1.0	ug/l							
Trichloroethene	ND	1.0	ug/l							
Trichlorofluoromethane	ND	1.0	ug/l							
1,2,3-Trichloropropane	ND	1.0	ug/l							
1,2,4-Trimethylbenzene	ND	1.0	ug/l							
1,3,5-Trimethylbenzene	ND	1.0	ug/l							
Vinyl chloride	ND	0.50	ug/l							
o-Xylene	ND	0.50	ug/l							
m,p-Xylenes	ND	1.0	ug/l							
Surrogate: Dibromofluoromethane	*25.6*		*ug/l*	*25.0*		*102*	*80-120*			
Surrogate: Toluene-d8	*23.8*		*ug/l*	*25.0*		*95*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*23.6*		*ug/l*	*25.0*		*94*	*80-120*			

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MWH Americas - Brea	Project ID:	Honeywell, North Hollywood 1890933.0501	Sampled: 02/23/05
3050 Saturn Ave., Suite 205			Received: 02/23/05
Brea, CA 92821	Report Number:	IOB1818	
Attention: Lisa Hall			

METHOD BLANK/QC DATA

VOLATILE ORGANICS with MTBE by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 5B24029 Extracted: 02/24/05										
LCS Analyzed: 02/24/2005 (5B24029-BS1)										
Benzene	26.9	0.50	ug/l	25.0		108	70-120			
Bromobenzene	25.1	1.0	ug/l	25.0		100	80-120			
Bromochloromethane	27.7	1.0	ug/l	25.0		111	65-135			
Bromodichloromethane	26.1	1.0	ug/l	25.0		104	70-140			
Bromoform	20.7	1.0	ug/l	25.0		83	55-135			
Bromomethane	26.8	1.0	ug/l	25.0		107	60-140			
n-Butylbenzene	27.9	1.0	ug/l	25.0		112	75-130			
sec-Butylbenzene	25.5	1.0	ug/l	25.0		102	75-125			
tert-Butylbenzene	25.0	1.0	ug/l	25.0		100	75-125			
Carbon tetrachloride	24.7	0.50	ug/l	25.0		99	70-140			
Chlorobenzene	25.7	1.0	ug/l	25.0		103	80-125			
Chloroethane	26.7	1.0	ug/l	25.0		107	60-145			
Chloroform	29.6	1.0	ug/l	25.0		118	75-130			
Chloromethane	24.6	1.0	ug/l	25.0		98	40-145			
2-Chlorotoluene	25.1	1.0	ug/l	25.0		100	75-125			
4-Chlorotoluene	25.9	1.0	ug/l	25.0		104	75-125			
Dibromochloromethane	25.6	1.0	ug/l	25.0		102	65-145			
1,2-Dibromo-3-chloropropane	23.6	5.0	ug/l	25.0		94	50-135			
1,2-Dibromoethane (EDB)	26.2	1.0	ug/l	25.0		105	75-125			
Dibromomethane	26.2	1.0	ug/l	25.0		105	75-130			
1,2-Dichlorobenzene	25.8	1.0	ug/l	25.0		103	80-120			
1,3-Dichlorobenzene	25.4	1.0	ug/l	25.0		102	80-120			
1,4-Dichlorobenzene	25.0	1.0	ug/l	25.0		100	80-120			
Dichlorodifluoromethane	21.4	2.0	ug/l	25.0		86	10-160			
1,1-Dichloroethane	28.1	1.0	ug/l	25.0		112	70-135			
1,2-Dichloroethane	27.2	0.50	ug/l	25.0		109	60-150			
1,1-Dichloroethene	27.2	1.0	ug/l	25.0		109	75-135			
cis-1,2-Dichloroethene	28.1	1.0	ug/l	25.0		112	70-125			
trans-1,2-Dichloroethene	28.2	1.0	ug/l	25.0		113	70-130			
1,2-Dichloropropane	26.7	1.0	ug/l	25.0		107	70-120			
1,3-Dichloropropane	26.5	1.0	ug/l	25.0		106	70-130			
2,2-Dichloropropane	28.2	1.0	ug/l	25.0		113	65-150			
1,1-Dichloropropene	26.6	1.0	ug/l	25.0		106	75-130			
cis-1,3-Dichloropropene	27.6	0.50	ug/l	25.0		110	75-130			
trans-1,3-Dichloropropene	27.8	0.50	ug/l	25.0		111	75-135			

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WH Americas - Brea
3050 Saturn Ave., Suite 205
Brea, CA 92821
Attention: Lisa Hall

Project ID: Honeywell, North Hollywood
1890933.0501
Report Number: IOB1818

Sampled: 02/23/05
Received: 02/23/05

METHOD BLANK/QC DATA

VOLATILE ORGANICS with MTBE by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 5B24029 Extracted: 02/24/05										
LCS Analyzed: 02/24/2005 (5B24029-BS1)										
Ethylbenzene	27.2	0.50	ug/l	25.0		109	80-120			
Hexachlorobutadiene	23.4	1.0	ug/l	25.0		94	65-140			
Isopropylbenzene	25.8	1.0	ug/l	25.0		103	75-125			
p-Isopropyltoluene	25.7	1.0	ug/l	25.0		103	75-125			
Methylene chloride	29.8	5.0	ug/l	25.0		119	60-135			
Methyl-tert-butyl Ether (MTBE)	29.4	1.0	ug/l	25.0		118	55-145			
Naphthalene	25.9	1.0	ug/l	25.0		104	50-145			
n-Propylbenzene	26.1	1.0	ug/l	25.0		104	75-130			
Styrene	27.1	1.0	ug/l	25.0		108	80-135			
1,1,2-Tetrachloroethane	25.5	1.0	ug/l	25.0		102	70-145			
1,2-Tetrachloroethane	25.6	1.0	ug/l	25.0		102	60-135			
Tetrachloroethene	23.5	1.0	ug/l	25.0		94	75-125			
Toluene	26.7	0.50	ug/l	25.0		107	75-120			
1,2,3-Trichlorobenzene	26.5	1.0	ug/l	25.0		106	65-135			
1,2,4-Trichlorobenzene	27.4	1.0	ug/l	25.0		110	70-140			
1,1,1-Trichloroethane	27.6	1.0	ug/l	25.0		110	75-140			
1,1,2-Trichloroethane	26.7	1.0	ug/l	25.0		107	70-125			
Trichloroethene	25.0	1.0	ug/l	25.0		100	80-120			
Trichlorofluoromethane	27.3	1.0	ug/l	25.0		109	65-145			
1,2,3-Trichloropropane	24.9	1.0	ug/l	25.0		100	60-130			
1,2,4-Trimethylbenzene	26.1	1.0	ug/l	25.0		104	75-125			
1,3,5-Trimethylbenzene	26.2	1.0	ug/l	25.0		105	75-125			
Vinyl chloride	24.8	0.50	ug/l	25.0		99	50-130			
o-Xylene	25.9	0.50	ug/l	25.0		104	75-125			
m,p-Xylenes	52.8	1.0	ug/l	50.0		106	75-120			
Surrogate: Dibromofluoromethane	*26.5*		*ug/l*	*25.0*		*106*	*80-120*			
Surrogate: Toluene-d8	*24.2*		*ug/l*	*25.0*		*97*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*24.6*		*ug/l*	*25.0*		*98*	*80-120*			

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MWH Americas - Brea
3050 Saturn Ave., Suite 205
Brea, CA 92821
Attention: Lisa Hall

Project ID: Honeywell, North Hollywood
1890933.0501
Report Number: IOB1818

Sampled: 02/23/05
Received: 02/23/05

METHOD BLANK/QC DATA

VOLATILE ORGANICS with MTBE by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 5B24029 Extracted: 02/24/05										
Matrix Spike Analyzed: 02/24/2005 (5B24029-MS1)					**Source: IOB1696-01**					
Benzene	22.1	0.50	ug/l	25.0	ND	88	70-120			
Bromobenzene	21.4	1.0	ug/l	25.0	ND	86	65-130			
Bromochloromethane	23.0	1.0	ug/l	25.0	ND	92	65-140			
Bromodichloromethane	22.1	1.0	ug/l	25.0	ND	88	70-140			
Bromoform	18.1	1.0	ug/l	25.0	ND	72	55-140			
Bromomethane	20.8	1.0	ug/l	25.0	ND	83	50-145			
n-Butylbenzene	22.2	1.0	ug/l	25.0	ND	89	70-140			
sec-Butylbenzene	20.5	1.0	ug/l	25.0	ND	82	70-130			
tert-Butylbenzene	20.0	1.0	ug/l	25.0	ND	80	70-130			
Carbon tetrachloride	19.6	0.50	ug/l	25.0	ND	78	70-145			
Chlorobenzene	21.6	1.0	ug/l	25.0	ND	86	80-125			
Chloroethane	21.3	1.0	ug/l	25.0	ND	85	50-145			
Chloroform	25.4	1.0	ug/l	25.0	1.7	95	70-135			
Chloromethane	19.4	1.0	ug/l	25.0	ND	78	35-145			
2-Chlorotoluene	20.6	1.0	ug/l	25.0	ND	82	70-140			
4-Chlorotoluene	21.3	1.0	ug/l	25.0	ND	85	70-140			
Dibromochloromethane	21.9	1.0	ug/l	25.0	ND	88	65-145			
1,2-Dibromo-3-chloropropane	19.9	5.0	ug/l	25.0	ND	80	45-155			
1,2-Dibromoethane (EDB)	22.4	1.0	ug/l	25.0	ND	90	70-130			
Dibromomethane	22.5	1.0	ug/l	25.0	ND	90	65-140			
1,2-Dichlorobenzene	22.0	1.0	ug/l	25.0	ND	88	75-130			
1,3-Dichlorobenzene	21.1	1.0	ug/l	25.0	ND	84	75-130			
1,4-Dichlorobenzene	21.1	1.0	ug/l	25.0	ND	84	80-120			
Dichlorodifluoromethane	16.6	2.0	ug/l	25.0	ND	66	10-160			
1,1-Dichloroethane	22.6	1.0	ug/l	25.0	ND	90	65-135			
1,2-Dichloroethane	23.7	0.50	ug/l	25.0	0.50	93	60-150			
1,1-Dichloroethene	22.2	1.0	ug/l	25.0	1.3	84	65-140			
cis-1,2-Dichloroethene	22.9	1.0	ug/l	25.0	ND	92	65-130			
trans-1,2-Dichloroethene	22.1	1.0	ug/l	25.0	ND	88	65-135			
1,2-Dichloropropane	22.5	1.0	ug/l	25.0	ND	90	65-130			
1,3-Dichloropropane	22.6	1.0	ug/l	25.0	ND	90	65-140			
2,2-Dichloropropane	22.2	1.0	ug/l	25.0	ND	89	60-150			
1,1-Dichloropropene	21.1	1.0	ug/l	25.0	ND	84	65-140			
cis-1,3-Dichloropropene	23.7	0.50	ug/l	25.0	ND	95	70-140			
trans-1,3-Dichloropropene	23.6	0.50	ug/l	25.0	ND	94	70-140			

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Attention: Lisa Hall

Project ID: Honeywell, North Hollywood
1890933.0501
Report Number: IOB1818

Sampled: 02/23/05
Received: 02/23/05

METHOD BLANK QC DATA

VOLATILE ORGANICS with MTBE by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 5B24029 Extracted: 02/24/05										
Matrix Spike Analyzed: 02/24/2005 (5B24029-MS1)					**Source: IOB1696-01**					
Ethylbenzene	22.1	0.50	ug/l	25.0	ND	88	70-130			
Hexachlorobutadiene	18.4	1.0	ug/l	25.0	ND	74	65-140			
Isopropylbenzene	20.7	1.0	ug/l	25.0	ND	83	70-130			
p-Isopropyltoluene	20.6	1.0	ug/l	25.0	ND	82	70-130			
Methylene chloride	25.2	5.0	ug/l	25.0	1.4	95	60-135			
Methyl-tert-butyl Ether (MTBE)	25.0	1.0	ug/l	25.0	ND	100	50-155			
Naphthalene	22.0	1.0	ug/l	25.0	ND	88	50-150			
n-Propylbenzene	21.2	1.0	ug/l	25.0	ND	85	70-135			
Styrene	11.5	1.0	ug/l	25.0	ND	46	55-145			*M2*
1,1,1,2-Tetrachloroethane	21.8	1.0	ug/l	25.0	ND	87	70-145			
1,1,2,2-Tetrachloroethane	22.8	1.0	ug/l	25.0	ND	91	60-145			
Tetrachloroethene	151	1.0	ug/l	25.0	140	44	70-130			*M-HA*
Toluene	21.8	0.50	ug/l	25.0	ND	87	70-120			
1,2,3-Trichlorobenzene	22.1	1.0	ug/l	25.0	ND	88	60-140			
1,2,4-Trichlorobenzene	22.7	1.0	ug/l	25.0	ND	91	60-140			
1,1,1-Trichloroethane	21.6	1.0	ug/l	25.0	ND	86	75-140			
1,1,2-Trichloroethane	22.8	1.0	ug/l	25.0	ND	91	60-135			
Trichloroethene	21.0	1.0	ug/l	25.0	1.5	78	70-125			
Trichlorofluoromethane	20.8	1.0	ug/l	25.0	ND	83	55-145			
1,2,3-Trichloropropane	21.5	1.0	ug/l	25.0	ND	86	55-140			
1,2,4-Trimethylbenzene	21.0	1.0	ug/l	25.0	ND	84	60-125			
1,3,5-Trimethylbenzene	21.3	1.0	ug/l	25.0	ND	85	70-130			
Vinyl chloride	19.3	0.50	ug/l	25.0	ND	77	40-135			
o-Xylene	21.1	0.50	ug/l	25.0	ND	84	65-125			
m,p-Xylenes	42.9	1.0	ug/l	50.0	ND	86	65-130			
Surrogate: Dibromofluoromethane	*26.0*		*ug/l*	*25.0*		*104*	*80-120*			
Surrogate: Toluene-d8	*24.2*		*ug/l*	*25.0*		*97*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*24.4*		*ug/l*	*25.0*		*98*	*80-120*			

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Project Manager

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Attention: Lisa Hall

Project ID: Honeywell, North Hollywood
1890933.0501
Report Number: IOB1818

Sampled: 02/23/05
Received: 02/23/05

METHOD BLANK/QC DATA

VOLATILE ORGANICS with MTBE by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 5B24029 Extracted: 02/24/05										
Matrix Spike Dup Analyzed: 02/24/2005 (5B24029-MSD1)					**Source: IOB1696-01**					
Benzene	23.7	0.50	ug/l	25.0	ND	95	70-120	7	20	
Bromobenzene	22.7	1.0	ug/l	25.0	ND	91	65-130	6	20	
Bromochloromethane	24.8	1.0	ug/l	25.0	ND	99	65-140	8	25	
Bromodichloromethane	23.2	1.0	ug/l	25.0	ND	93	70-140	5	20	
Bromoform	18.7	1.0	ug/l	25.0	ND	75	55-140	3	25	
Bromomethane	23.0	1.0	ug/l	25.0	ND	92	50-145	10	25	
n-Butylbenzene	23.9	1.0	ug/l	25.0	ND	96	70-140	7	20	
sec-Butylbenzene	22.4	1.0	ug/l	25.0	ND	90	70-130	9	20	
tert-Butylbenzene	21.9	1.0	ug/l	25.0	ND	88	70-130	9	20	
Carbon tetrachloride	21.9	0.50	ug/l	25.0	ND	88	70-145	11	25	
Chlorobenzene	23.2	1.0	ug/l	25.0	ND	93	80-125	7	20	
Chloroethane	23.7	1.0	ug/l	25.0	ND	95	50-145	11	25	
Chloroform	27.5	1.0	ug/l	25.0	1.7	103	70-135	8	20	
Chloromethane	21.7	1.0	ug/l	25.0	ND	87	35-145	11	25	
2-Chlorotoluene	22.1	1.0	ug/l	25.0	ND	88	70-140	7	20	
4-Chlorotoluene	22.7	1.0	ug/l	25.0	ND	91	70-140	6	20	
Dibromochloromethane	23.1	1.0	ug/l	25.0	ND	92	65-145	5	25	
1,2-Dibromo-3-chloropropane	19.6	5.0	ug/l	25.0	ND	78	45-155	2	30	
1,2-Dibromoethane (EDB)	23.2	1.0	ug/l	25.0	ND	93	70-130	4	25	
Dibromomethane	23.1	1.0	ug/l	25.0	ND	92	65-140	3	25	
1,2-Dichlorobenzene	23.0	1.0	ug/l	25.0	ND	92	75-130	4	20	
1,3-Dichlorobenzene	22.7	1.0	ug/l	25.0	ND	91	75-130	7	20	
1,4-Dichlorobenzene	22.4	1.0	ug/l	25.0	ND	90	80-120	6	20	
Dichlorodifluoromethane	18.7	2.0	ug/l	25.0	ND	75	10-160	12	30	
1,1-Dichloroethane	24.9	1.0	ug/l	25.0	ND	100	65-135	10	20	
1,2-Dichloroethane	24.5	0.50	ug/l	25.0	0.50	96	60-150	3	20	
1,1-Dichloroethene	24.6	1.0	ug/l	25.0	1.3	93	65-140	10	20	
cis-1,2-Dichloroethene	24.6	1.0	ug/l	25.0	ND	98	65-130	7	20	
trans-1,2-Dichloroethene	24.4	1.0	ug/l	25.0	ND	98	65-135	10	20	
1,2-Dichloropropane	24.2	1.0	ug/l	25.0	ND	97	65-130	7	20	
1,3-Dichloropropane	23.5	1.0	ug/l	25.0	ND	94	65-140	4	25	
2,2-Dichloropropane	24.3	1.0	ug/l	25.0	ND	97	60-150	9	25	
1,1-Dichloropropene	23.0	1.0	ug/l	25.0	ND	92	65-140	9	20	
cis-1,3-Dichloropropene	25.0	0.50	ug/l	25.0	ND	100	70-140	5	20	
trans-1,3-Dichloropropene	24.3	0.50	ug/l	25.0	ND	97	70-140	3	25	

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Project ID: Honeywell, North Hollywood
1890933.0501
Report Number: IOB1818

Sampled: 02/23/05
Received: 02/23/05

METHOD BLANK/QC DATA

VOLATILE ORGANICS with MTBE by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 5B24029 Extracted: 02/24/05										
Matrix Spike Dup Analyzed: 02/24/2005 (5B24029-MSD1)					**Source: IOB1696-01**					
Ethylbenzene	24.0	0.50	ug/l	25.0	ND	96	70-130	8	20	
Hexachlorobutadiene	19.7	1.0	ug/l	25.0	ND	79	65-140	7	20	
Isopropylbenzene	22.5	1.0	ug/l	25.0	ND	90	70-130	8	20	
p-Isopropyltoluene	22.4	1.0	ug/l	25.0	ND	90	70-130	8	20	
Methylene chloride	27.2	5.0	ug/l	25.0	1.4	103	60-135	8	20	
Methyl-tert-butyl Ether (MTBE)	26.1	1.0	ug/l	25.0	ND	104	50-155	4	25	
Naphthalene	22.0	1.0	ug/l	25.0	ND	88	50-150	0	30	
n-Propylbenzene	22.8	1.0	ug/l	25.0	ND	91	70-135	7	20	
Styrene	11.7	1.0	ug/l	25.0	ND	47	55-145	2	30	*M2*
1,1,2-Tetrachloroethane	23.3	1.0	ug/l	25.0	ND	93	70-145	7	20	
2,2-Tetrachloroethane	23.1	1.0	ug/l	25.0	ND	92	60-145	1	30	
Tetrachloroethene	156	1.0	ug/l	25.0	140	64	70-130	3	20	*M-HA*
Toluene	23.2	0.50	ug/l	25.0	ND	93	70-120	6	20	
1,2,3-Trichlorobenzene	22.7	1.0	ug/l	25.0	ND	91	60-140	3	20	
1,2,4-Trichlorobenzene	23.4	1.0	ug/l	25.0	ND	94	60-140	3	20	
1,1,1-Trichloroethane	23.9	1.0	ug/l	25.0	ND	96	75-140	10	20	
1,1,2-Trichloroethane	23.7	1.0	ug/l	25.0	ND	95	60-135	4	25	
Trichloroethene	23.0	1.0	ug/l	25.0	1.5	86	70-125	9	20	
Trichlorofluoromethane	23.4	1.0	ug/l	25.0	ND	94	55-145	12	25	
1,2,3-Trichloropropane	21.5	1.0	ug/l	25.0	ND	86	55-140	0	30	
1,2,4-Trimethylbenzene	22.5	1.0	ug/l	25.0	ND	90	60-125	7	25	
1,3,5-Trimethylbenzene	23.1	1.0	ug/l	25.0	ND	92	70-130	8	20	
Vinyl chloride	21.9	0.50	ug/l	25.0	ND	88	40-135	13	30	
o-Xylene	22.6	0.50	ug/l	25.0	ND	90	65-125	7	20	
m,p-Xylenes	46.2	1.0	ug/l	50.0	ND	92	65-130	7	25	
Surrogate: Dibromofluoromethane	*26.7*		*ug/l*	*25.0*		*107*	*80-120*			
Surrogate: Toluene-d8	*23.8*		*ug/l*	*25.0*		*95*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*24.5*		*ug/l*	*25.0*		*98*	*80-120*			

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MWH Americas - Brea
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Brea, CA 92821
Attention: Lisa Hall

Project ID: Honeywell, North Hollywood
1890933.0501
Report Number: IOB1818

Sampled: 02/23/05
Received: 02/23/05

METHOD BLANK/QC DATA

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3520C/8270C MOD)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 5B24040 Extracted: 02/24/05										
Blank Analyzed: 02/25/2005 (5B24040-BLK1)										
1,4-Dioxane	ND	1.0	ug/l							
Surrogate: 1,4-Dioxane-d8	*1.06*		*ug/l*	*2.00*		*53*	*35-120*			
LCS Analyzed: 02/25/2005 (5B24040-BS1)										
1,4-Dioxane	1.16	1.0	ug/l	2.00		58	35-120			
Surrogate: 1,4-Dioxane-d8	*1.05*		*ug/l*	*2.00*		*52*	*35-120*			
Matrix Spike Analyzed: 02/25/2005 (5B24040-MS1)					**Source: IOB1817-04**					
1,4-Dioxane	7.74	2.0	ug/l	4.00	5.4	58	35-120			
Surrogate: 1,4-Dioxane-d8	*2.19*		*ug/l*	*4.00*		*55*	*35-120*			
Matrix Spike Dup Analyzed: 02/25/2005 (5B24040-MSD1)					**Source: IOB1817-04**					
1,4-Dioxane	7.77	2.0	ug/l	4.00	5.4	59	35-120	0	25	
Surrogate: 1,4-Dioxane-d8	*2.29*		*ug/l*	*4.00*		*57*	*35-120*			

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METHOD BLANK/QC DATA

METALS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 5B24046 Extracted: 02/24/05										
Blank Analyzed: 02/24/2005 (5B24046-BLK1)										
Mercury	ND	0.00020	mg/l							
LCS Analyzed: 02/24/2005 (5B24046-BS1)										
Mercury	0.00785	0.00020	mg/l	0.00800		98	90-115			
Matrix Spike Analyzed: 02/24/2005 (5B24046-MS1)					Source: IOB1817-03					
Mercury	0.00817	0.00020	mg/l	0.00800	ND	102	75-120			
Matrix Spike Dup Analyzed: 02/24/2005 (5B24046-MSD1)					Source: IOB1817-03					
Mercury	0.00750	0.00020	mg/l	0.00800	ND	94	75-120	9	20	
tch: 5B24047 Extracted: 02/24/05										
lank Analyzed: 02/24/2005-02/25/2005 (5B24047-BLK1)										
Antimony	ND	0.010	mg/l							
Arsenic	ND	0.0050	mg/l							
Barium	ND	0.010	mg/l							
Beryllium	ND	0.0040	mg/l							
Cadmium	ND	0.0050	mg/l							
Chromium	ND	0.0050	mg/l							
Cobalt	ND	0.010	mg/l							
Copper	ND	0.010	mg/l							
Lead	ND	0.0050	mg/l							
Molybdenum	ND	0.020	mg/l							
Nickel	ND	0.010	mg/l							
Selenium	ND	0.0050	mg/l							
Silver	ND	0.010	mg/l							
Thallium	ND	0.0050	mg/l							
Vanadium	ND	0.010	mg/l							
Zinc	ND	0.020	mg/l							

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METHOD BLANK/QC DATA

METALS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 5B24047 Extracted: 02/24/05										
LCS Analyzed: 02/24/2005-02/25/2005 (5B24047-BS1)										
Antimony	1.02	0.010	mg/l	1.00		102	80-120			
Arsenic	0.983	0.0050	mg/l	1.00		98	80-120			
Barium	0.958	0.010	mg/l	1.00		96	80-120			
Beryllium	0.963	0.0040	mg/l	1.00		96	80-120			
Cadmium	0.954	0.0050	mg/l	1.00		95	80-120			
Chromium	0.973	0.0050	mg/l	1.00		97	80-120			
Cobalt	0.920	0.010	mg/l	1.00		92	80-120			
Copper	0.936	0.010	mg/l	1.00		94	80-120			
Lead	0.942	0.0050	mg/l	1.00		94	80-120			
Molybdenum	0.983	0.020	mg/l	1.00		98	80-120			
Nickel	0.941	0.010	mg/l	1.00		94	80-120			
Selenium	0.999	0.0050	mg/l	1.00		100	80-120			
Silver	0.486	0.010	mg/l	0.500		97	80-120			
Thallium	0.989	0.0050	mg/l	1.00		99	80-120			
Vanadium	0.967	0.010	mg/l	1.00		97	80-120			
Zinc	0.948	0.020	mg/l	1.00		95	80-120			
Matrix Spike Analyzed: 02/24/2005-02/25/2005 (5B24047-MS1)					**Source: IOB1817-03**					
Antimony	1.06	0.010	mg/l	1.00	0.0053	105	75-125			
Arsenic	1.04	0.0050	mg/l	1.00	0.0082	103	75-125			
Barium	1.35	0.010	mg/l	1.00	0.36	99	75-125			
Beryllium	1.02	0.0040	mg/l	1.00	ND	102	75-125			
Cadmium	0.967	0.0050	mg/l	1.00	ND	97	75-125			
Chromium	1.18	0.0050	mg/l	1.00	0.18	100	75-125			
Cobalt	0.906	0.010	mg/l	1.00	ND	91	75-125			
Copper	0.975	0.010	mg/l	1.00	ND	98	75-125			
Lead	0.949	0.0050	mg/l	1.00	ND	95	75-125			
Molybdenum	1.02	0.020	mg/l	1.00	0.0059	101	75-125			
Nickel	0.926	0.010	mg/l	1.00	ND	93	75-125			
Selenium	1.04	0.0050	mg/l	1.00	ND	104	75-125			
Silver	0.520	0.010	mg/l	0.500	0.0030	103	75-125			
Thallium	1.02	0.0050	mg/l	1.00	0.0084	101	75-125			
Vanadium	1.03	0.010	mg/l	1.00	0.0036	103	75-125			
Zinc	1.04	0.020	mg/l	1.00	0.072	97	75-125			

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Attention: Lisa Hall

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1890933.0501
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METHOD BLANK/QC DATA

METALS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 5B24047 Extracted: 02/24/05										
Matrix Spike Dup Analyzed: 02/24/2005-02/25/2005 (5B24047-MSD1)					**Source: IOB1817-03**					
Antimony	1.06	0.010	mg/l	1.00	0.0053	105	75-125	0	20	
Arsenic	1.02	0.0050	mg/l	1.00	0.0082	101	75-125	2	20	
Barium	1.32	0.010	mg/l	1.00	0.36	96	75-125	2	20	
Beryllium	1.01	0.0040	mg/l	1.00	ND	101	75-125	1	20	
Cadmium	0.957	0.0050	mg/l	1.00	ND	96	75-125	1	20	
Chromium	1.16	0.0050	mg/l	1.00	0.18	98	75-125	2	20	
Cobalt	0.901	0.010	mg/l	1.00	ND	90	75-125	1	20	
Copper	0.969	0.010	mg/l	1.00	ND	97	75-125	1	20	
Lead	0.924	0.0050	mg/l	1.00	ND	92	75-125	3	20	
Molybdenum	1.02	0.020	mg/l	1.00	0.0059	101	75-125	0	20	
Nickel	0.915	0.010	mg/l	1.00	ND	92	75-125	1	20	
Selenium	1.03	0.0050	mg/l	1.00	ND	103	75-125	1	20	
Silver	0.502	0.010	mg/l	0.500	0.0030	100	75-125	4	20	
Thallium	1.02	0.0050	mg/l	1.00	0.0084	101	75-125	0	20	
Vanadium	1.02	0.010	mg/l	1.00	0.0036	102	75-125	1	20	
Zinc	1.03	0.020	mg/l	1.00	0.072	96	75-125	1	20	
Batch: 5B24052 Extracted: 02/24/05										
Blank Analyzed: 02/24/2005 (5B24052-BLK1)										
Thallium	ND	1.0	ug/l							
LCS Analyzed: 02/24/2005 (5B24052-BS1)										
Thallium	82.5	1.0	ug/l	80.0		103	80-120			
Matrix Spike Analyzed: 02/24/2005 (5B24052-MS1)					**Source: IOB1817-03**					
Thallium	82.1	1.0	ug/l	80.0	0.17	102	75-125			

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MWH Americas - Brea 3050 Saturn Ave., Suite 205 Brea, CA 92821 Attention: Lisa Hall	Project ID: Honeywell, North Hollywood 1890933.0501 Report Number: IOB1818	Sampled: 02/23/05 Received: 02/23/05

METHOD BLANK/QC DATA

METALS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 5B24052 Extracted: 02/24/05										
Matrix Spike Dup Analyzed: 02/24/2005 (5B24052-MSD1)					**Source: IOB1817-03**					
Thallium	81.2	1.0	ug/l	80.0	0.17	101	75-125	1	20	

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METHOD BLANK QC DATA

INORGANICS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 5B23063 Extracted: 02/23/05										
Blank Analyzed: 02/23/2005 (5B23063-BLK1)										
Chromium VI	ND	0.0010	mg/l							
LCS Analyzed: 02/23/2005 (5B23063-BS1)										
Chromium VI	0.0493	0.0010	mg/l	0.0500		99	90-110			
Matrix Spike Analyzed: 02/23/2005 (5B23063-MS1)					**Source: IOB1727-03**					
Chromium VI	0.0466	0.0010	mg/l	0.0500	0.00078	92	80-115			
Matrix Spike Analyzed: 02/24/2005 (5B23063-MS2)					**Source: IOB1817-04**					
Chromium VI	0.379	0.0050	mg/l	0.250	0.17	84	80-115			
Matrix Spike Dup Analyzed: 02/23/2005 (5B23063-MSD1)					**Source: IOB1727-03**					
Chromium VI	0.0476	0.0010	mg/l	0.0500	0.00078	94	80-115	2	15	
Matrix Spike Dup Analyzed: 02/24/2005 (5B23063-MSD2)					**Source: IOB1817-04**					
Chromium VI	0.384	0.0050	mg/l	0.250	0.17	86	80-115	1	15	
Batch: 5B24061 Extracted: 02/24/05										
Blank Analyzed: 02/24/2005 (5B24061-BLK1)										
Perchlorate	ND	2.0	ug/l							
LCS Analyzed: 02/24/2005 (5B24061-BS1)										
Perchlorate	46.3	2.0	ug/l	50.0		93	85-115			
Matrix Spike Analyzed: 02/24/2005 (5B24061-MS1)					**Source: IOB1741-01**					
Perchlorate	50.3	2.0	ug/l	50.0	2.2	96	80-120			

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METHOD BLANK/QC DATA

INORGANICS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 5B24061 Extracted: 02/24/05										
Matrix Spike Analyzed: 02/24/2005 (5B24061-MS2)					**Source: IOB1817-04**					
Perchlorate	48.2	2.0	ug/l	50.0	1.5	93	80-120			
Matrix Spike Dup Analyzed: 02/24/2005 (5B24061-MSD1)					**Source: IOB1741-01**					
Perchlorate	50.3	2.0	ug/l	50.0	2.2	96	80-120	0	20	
Matrix Spike Dup Analyzed: 02/24/2005 (5B24061-MSD2)					**Source: IOB1817-04**					
Perchlorate	47.0	2.0	ug/l	50.0	1.5	91	80-120	3	20	

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DATA QUALIFIERS AND DEFINITIONS

M2	The MS and/or MSD were below the acceptance limits due to sample matrix interference. See Blank Spike (LCS).
M-HA	Due to high levels of analyte in the sample, the MS/MSD calculation does not provide useful spike recovery information. See Blank Spike (LCS).
RL-4	Reporting limit raised due to insufficient sample volume.
ND	Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified.
RPD	Relative Percent Difference

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2520 E. Sunset Rd. #3, Las Vegas, NV 89120 (702) 798-3620 FAX (702) 798-3621

Del Mar Analytical

MWH Americas - Brea 3050 Saturn Ave., Suite 205 Brea, CA 92821 Attention: Lisa Hall	Project ID: Honeywell, North Hollywood 1890933.0501 Report Number: IOB1818	Sampled: 02/23/05 Received: 02/23/05

Certification Summary

Del Mar Analytical, Irvine

Method	Matrix	Nelac	California
EPA 314.0	Water	N/A	X
EPA 6010B	Water	X	X
EPA 6020	Water	X	X
EPA 7199	Water	X	X
EPA 7470A	Water	X	X
EPA 8260B	Water	X	X
EPA 8270C MOD	Water	X	X

Nevada and NELAP provide analyte specific accreditations. Analyte specific information for Del Mar Analytical may be obtained by contacting the laboratory or visiting our website at www.dmalabs.com.

Del Mar Analytical, Irvine
Chris Roberts
Project Manager

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10B1818

DEL MAR ANALYTICAL
2825 Alton Avenue
Irvine, CA 92606
Phone: (949)261-1022 Fax: (949) 435-0858

A/C Manager: Mike Parkinson
Client Contact: (name, co., address)
Mike Flaugher/Lisa Hall
MWH
3050 Saturn Street, Suite 205, Brea, CA 92821
Michael.E.Flaugher@mwhglobal.com
Contact Phone/Cell: (714)936-3397
Hardcopy Report To:
Invoice To:

Honeywell — Chain Of Custody / Analysis Request

Privileged & Confidential
EDD To:
Sampler: J.Plummer
P O # 1890933.05
Analysis Turnaround Time: 24hr
Standard -
Rush Charges Authorized for -
2 weeks -
1 week -
Next Day -
Rush

Site Name: NORTHHOLLY
Location of Site: Honeywell - North Hollywood Site - 11600 Sherman Way, North Hollywood, CA

COC # 37070-0024
Lab Order #
Lab Contact
Lab Phone DMA
Job No. 1890933.0501
Written and maintained by DEL MAR ANALYTICAL

	Sample Identification: Location ID	Start Depth (ft)	End Depth (ft)	Field Sample ID	Sample Date	Sample Time	Sample Type	Sample Matrix	Sample Purpose	# of Cont.	Field Filtered Sample?	Title 22 CAM Metals List (w/o Hg)	SW7470 Title 22 CAM Mercury	SW7199 Chromium VI	SW6020 Thallium	SW8270C MOD 1,4-Dioxane	E314.0 Perclorate	E8260 Volatile Organics	Lab Sample Number
											Units	mg/L	mg/L	mg/L	mg/L	ug/L	mg/L	ug/L	
	Preservative											0	0	0	0	0	0	0	
1	EB			EB-02-02/23/05	2/23/05	1540	EB	Water	Reg	7		X	X	X	X	X	X	X	
2																			
3																			
4																			
5																			
6																			
7																			
8																			
9																			
10																			
11																			
12																			

Special Instructions: EPA 6010B - Title 22 CAM Metals List - Sb, As, Ba, Be, Cd, Cr, Co, Cu, Pb, Mo, Ni, Se, Ag, Va, Zn; EPA 7470A - Title 22 CAM Metals List - Hg

Relinquished by	Company	Date/Time	Received by	Company	Date/Time	Condition	Custody Seals Intact
[signature]	MWH	2/23/05 1900	[signature]	DMA	2/23/05 1900		
[signature]	DEL MAR	2/23/05 2100	[signature]	DMA	2/23/05 2100	Cooler Temp.	
						Condition: Sealed	Custody Seals Intact
						Cooler Temp. 3°C	

Preservatives: 0 = None; [1 = HCL]; [2 = HNO3]; [3 = H2SO4]; [4 = NaOH]; [5 = Zn. Acetate]; [6 = MeOH]; [7 = NaHSO4]; 8 = Other (specify):

3/28/06 104(e)
0756

Del Mar Analytical

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LABORATORY REPORT

Prepared For: MWH Americas - Brea
3050 Saturn Ave., Suite 205
Brea, CA 92821
Attention: Lisa Hall

Project: Honeywell, North Hollywood
1890933.0501

Sampled: 02/24/05-02/25/05
Received: 02/25/05
Issued: 03/01/05 16:19

NELAP #01108CA California ELAP#1197 CSDLAC #10117

The results listed within this Laboratory Report pertain only to the samples tested in the laboratory. The analyses contained in this report were performed in accordance with the applicable certifications as noted. All soil samples are reported on a wet weight basis unless otherwise noted in the report. This Laboratory Report is confidential and is intended for the sole use of Del Mar Analytical and its client. This report shall not be reproduced, except in full, without written permission from Del Mar Analytical. The Chain(s) of Custody, 3 pages, are included and are an integral part of this report.
This entire report was reviewed and approved for release.

SAMPLE CROSS REFERENCE

LABORATORY ID	CLIENT ID	MATRIX
IOB1976-01	GW-14B-2/24/05-F	Water
IOB1976-02	GW-14B-2/24/05	Water
IOB1976-03	GW-14B-PC-2/24/05-F	Water
IOB1976-04	GW-14B-PC-2/24/05	Water
IOB1976-05	GW-14B-PD-2/24/05-F	Water
IOB1976-06	GW-14B-PD-2/24/05	Water
IOB1976-07	GW-7-2/24/05-F	Water
IOB1976-08	GW-7-2/24/05	Water
IOB1976-09	DUP-01-2/24/05-F	Water
IOB1976-10	DUP-01-2/24/05	Water
IOB1976-11	TB-022405	Water
IOB1976-12	GW-10-2/24/05-F	Water
IOB1976-13	GW10-2/24/05	Water
IOB1976-14	GW-15-2/25/05-F	Water
IOB1976-15	GW-15-2/25/05	Water
IOB1976-16	DUP-03-2/25/05-F	Water
IOB1976-17	DUP-03-2/25/05	Water
IOB1976-18	EB-03-2/25/05-F	Water
IOB1976-19	GW-5-2/25/05-F	Water
IOB1976-20	GW-5-2/25/05	Water
IOB1976-21	GW-4-2/25/05-F	Water
IOB1976-22	GW-4-2/25/05	Water
IOB1976-23	EB-04-2/25/05-F	Water

Reviewed By:

Del Mar Analytical, Irvine
Chris Roberts
Project Manager

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WH Americas - Brea
3050 Saturn Ave., Suite 205
Brea, CA 92821
Attention: Lisa Hall

Project ID: Honeywell, North Hollywood
1890933.0501
Report Number: IOB1976

Sampled: 02/24/05-02/25/05
Received: 02/25/05

VOLATILE ORGANICS with MTBE by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IOB1976-02 (GW-14B-2/24/05 - Water)				**Sampled: 02/24/05**				
Reporting Units: ug/l								
Benzene	EPA 8260B	5B25039	0.50	ND	1	2/25/2005	2/25/2005	
Bromobenzene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
Bromochloromethane	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
Bromodichloromethane	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
Bromoform	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
Bromomethane	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
n-Butylbenzene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
sec-Butylbenzene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
tert-Butylbenzene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
Carbon tetrachloride	EPA 8260B	5B25039	0.50	ND	1	2/25/2005	2/25/2005	
Chlorobenzene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
Chloroethane	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
Chloroform	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
Chloromethane	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
2-Chlorotoluene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
hlorotoluene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
Dibromochloromethane	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
1,2-Dibromo-3-chloropropane	EPA 8260B	5B25039	5.0	ND	1	2/25/2005	2/25/2005	
1,2-Dibromoethane (EDB)	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
Dibromomethane	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
1,2-Dichlorobenzene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
1,3-Dichlorobenzene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
1,4-Dichlorobenzene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
Dichlorodifluoromethane	EPA 8260B	5B25039	2.0	**16**	1	2/25/2005	2/25/2005	
1,1-Dichloroethane	EPA 8260B	5B25039	1.0	**4.3**	1	2/25/2005	2/25/2005	
1,2-Dichloroethane	EPA 8260B	5B25039	0.50	**1.7**	1	2/25/2005	2/25/2005	
1,1-Dichloroethene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
cis-1,2-Dichloroethene	EPA 8260B	5B25039	1.0	**37**	1	2/25/2005	2/25/2005	
trans-1,2-Dichloroethene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
1,2-Dichloropropane	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
1,3-Dichloropropane	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
2,2-Dichloropropane	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
1,1-Dichloropropene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
cis-1,3-Dichloropropene	EPA 8260B	5B25039	0.50	ND	1	2/25/2005	2/25/2005	
trans-1,3-Dichloropropene	EPA 8260B	5B25039	0.50	ND	1	2/25/2005	2/25/2005	
Ethylbenzene	EPA 8260B	5B25039	0.50	ND	1	2/25/2005	2/25/2005	
Hexachlorobutadiene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
Isopropylbenzene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
p-Isopropyltoluene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
Methylene chloride	EPA 8260B	5B25039	5.0	ND	1	2/25/2005	2/25/2005	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	

Mar Analytical, Irvine
ris Roberts
Project Manager

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MWH Americas - Brea
3050 Saturn Ave., Suite 205
Brea, CA 92821
Attention: Lisa Hall

Project ID: Honeywell, North Hollywood
1890933.0501
Report Number: IOB1976

Sampled: 02/24/05-02/25/05
Received: 02/25/05

VOLATILE ORGANICS with MTBE by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IOB1976-02 (GW-14B-2/24/05 - Water) - cont.				**Sampled: 02/24/05**				
Reporting Units: ug/l								
Naphthalene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
n-Propylbenzene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
Styrene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
1,1,1,2-Tetrachloroethane	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
1,1,2,2-Tetrachloroethane	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
Tetrachloroethene	EPA 8260B	5B25039	1.0	**16**	1	2/25/2005	2/25/2005	
Toluene	EPA 8260B	5B25039	0.50	ND	1	2/25/2005	2/25/2005	
1,2,3-Trichlorobenzene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
1,2,4-Trichlorobenzene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
1,1,1-Trichloroethane	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
1,1,2-Trichloroethane	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
Trichloroethene	EPA 8260B	5B25039	1.0	**9.5**	1	2/25/2005	2/25/2005	
Trichlorofluoromethane	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
1,2,3-Trichloropropane	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
1,2,4-Trimethylbenzene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
1,3,5-Trimethylbenzene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
Vinyl chloride	EPA 8260B	5B25039	0.50	ND	1	2/25/2005	2/25/2005	
o-Xylene	EPA 8260B	5B25039	0.50	ND	1	2/25/2005	2/25/2005	
m,p-Xylenes	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
Surrogate: Dibromofluoromethane (80-120%)				*107 %*				
Surrogate: Toluene-d8 (80-120%)				*99 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*100 %*				

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Chris Roberts
Project Manager

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WH Americas - Brea
3050 Saturn Ave., Suite 205
Brea, CA 92821
Attention: Lisa Hall

Project ID: Honeywell, North Hollywood
1890933.0501
Report Number: IOB1976

Sampled: 02/24/05-02/25/05
Received: 02/25/05

VOLATILE ORGANICS with MTBE by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IOB1976-04 (GW-14B-PC-2/24/05 - Water)				**Sampled: 02/24/05**				
Reporting Units: ug/l								
Benzene	EPA 8260B	5B25039	0.50	ND	1	2/25/2005	2/25/2005	
Bromobenzene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
Bromochloromethane	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
Bromodichloromethane	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
Bromoform	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
Bromomethane	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
n-Butylbenzene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
sec-Butylbenzene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
tert-Butylbenzene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
Carbon tetrachloride	EPA 8260B	5B25039	0.50	ND	1	2/25/2005	2/25/2005	
Chlorobenzene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
Chloroethane	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
Chloroform	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
Chloromethane	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
2-Chlorotoluene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
hlorotoluene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
Dibromochloromethane	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
1,2-Dibromo-3-chloropropane	EPA 8260B	5B25039	5.0	ND	1	2/25/2005	2/25/2005	
1,2-Dibromoethane (EDB)	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
Dibromomethane	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
1,2-Dichlorobenzene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
1,3-Dichlorobenzene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
1,4-Dichlorobenzene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
Dichlorodifluoromethane	EPA 8260B	5B25039	2.0	**18**	1	2/25/2005	2/25/2005	
1,1-Dichloroethane	EPA 8260B	5B25039	1.0	**4.8**	1	2/25/2005	2/25/2005	
1,2-Dichloroethane	EPA 8260B	5B25039	0.50	**1.9**	1	2/25/2005	2/25/2005	
1,1-Dichloroethene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
cis-1,2-Dichloroethene	EPA 8260B	5B25039	1.0	**40**	1	2/25/2005	2/25/2005	
trans-1,2-Dichloroethene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
1,2-Dichloropropane	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
1,3-Dichloropropane	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
2,2-Dichloropropane	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
1,1-Dichloropropene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
cis-1,3-Dichloropropene	EPA 8260B	5B25039	0.50	ND	1	2/25/2005	2/25/2005	
trans-1,3-Dichloropropene	EPA 8260B	5B25039	0.50	ND	1	2/25/2005	2/25/2005	
Ethylbenzene	EPA 8260B	5B25039	0.50	ND	1	2/25/2005	2/25/2005	
Hexachlorobutadiene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
Isopropylbenzene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
p-Isopropyltoluene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
Methylene chloride	EPA 8260B	5B25039	5.0	ND	1	2/25/2005	2/25/2005	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	

l Mar Analytical, Irvine
ris Roberts
Project Manager

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MWH Americas - Brea
3050 Saturn Ave., Suite 205
Brea, CA 92821
Attention: Lisa Hall

Project ID: Honeywell, North Hollywood
1890933.0501
Report Number: IOB1976

Sampled: 02/24/05-02/25/05
Received: 02/25/05

VOLATILE ORGANICS with MTBE by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IOB1976-04 (GW-14B-PC-2/24/05 - Water) - cont.				**Sampled: 02/24/05**				
Reporting Units: ug/l								
Naphthalene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
n-Propylbenzene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
Styrene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
1,1,1,2-Tetrachloroethane	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
1,1,2,2-Tetrachloroethane	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
Tetrachloroethene	EPA 8260B	5B25039	1.0	**18**	1	2/25/2005	2/25/2005	
Toluene	EPA 8260B	5B25039	0.50	ND	1	2/25/2005	2/25/2005	
1,2,3-Trichlorobenzene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
1,2,4-Trichlorobenzene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
1,1,1-Trichloroethane	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
1,1,2-Trichloroethane	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
Trichloroethene	EPA 8260B	5B25039	1.0	**10**	1	2/25/2005	2/25/2005	
Trichlorofluoromethane	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
1,2,3-Trichloropropane	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
1,2,4-Trimethylbenzene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
1,3,5-Trimethylbenzene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
Vinyl chloride	EPA 8260B	5B25039	0.50	ND	1	2/25/2005	2/25/2005	
o-Xylene	EPA 8260B	5B25039	0.50	ND	1	2/25/2005	2/25/2005	
m,p-Xylenes	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
Surrogate: Dibromofluoromethane (80-120%)				*110 %*				
Surrogate: Toluene-d8 (80-120%)				*99 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*100 %*				

Del Mar Analytical, Irvine
Chris Roberts
Project Manager

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Project ID: Honeywell, North Hollywood
1890933.0501
Report Number: IOB1976

Sampled: 02/24/05-02/25/05
Received: 02/25/05

VOLATILE ORGANICS with MTBE by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IOB1976-06 (GW-14B-PD-2/24/05 - Water)				**Sampled: 02/24/05**				
Reporting Units: ug/l								
Benzene	EPA 8260B	5B25039	0.50	ND	1	2/25/2005	2/25/2005	
Bromobenzene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
Bromochloromethane	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
Bromodichloromethane	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
Bromoform	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
Bromomethane	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
n-Butylbenzene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
sec-Butylbenzene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
tert-Butylbenzene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
Carbon tetrachloride	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
Chlorobenzene	EPA 8260B	5B25039	0.50	ND	1	2/25/2005	2/25/2005	
Chloroethane	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
Chloroform	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
Chloromethane	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
2-Chlorotoluene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
4-Chlorotoluene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
Dibromochloromethane	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
1,2-Dibromo-3-chloropropane	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
1,2-Dibromoethane (EDB)	EPA 8260B	5B25039	5.0	ND	1	2/25/2005	2/25/2005	
Dibromomethane	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
1,2-Dichlorobenzene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
1,3-Dichlorobenzene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
1,4-Dichlorobenzene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
Dichlorodifluoromethane	EPA 8260B	5B25039	2.0	**16**	1	2/25/2005	2/25/2005	
1,1-Dichloroethane	EPA 8260B	5B25039	1.0	**4.5**	1	2/25/2005	2/25/2005	
1,2-Dichloroethane	EPA 8260B	5B25039	0.50	**1.8**	1	2/25/2005	2/25/2005	
1,1-Dichloroethene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
cis-1,2-Dichloroethene	EPA 8260B	5B25039	1.0	**37**	1	2/25/2005	2/25/2005	
trans-1,2-Dichloroethene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
1,2-Dichloropropane	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
1,3-Dichloropropane	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
2,2-Dichloropropane	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
1,1-Dichloropropene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
cis-1,3-Dichloropropene	EPA 8260B	5B25039	0.50	ND	1	2/25/2005	2/25/2005	
trans-1,3-Dichloropropene	EPA 8260B	5B25039	0.50	ND	1	2/25/2005	2/25/2005	
Ethylbenzene	EPA 8260B	5B25039	0.50	ND	1	2/25/2005	2/25/2005	
Hexachlorobutadiene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
Isopropylbenzene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
p-Isopropyltoluene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
Methylene chloride	EPA 8260B	5B25039	5.0	ND	1	2/25/2005	2/25/2005	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	

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Project ID: Honeywell, North Hollywood
1890933.0501
Report Number: IOB1976

Sampled: 02/24/05-02/25/05
Received: 02/25/05

VOLATILE ORGANICS with MTBE by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IOB1976-06 (GW-14B-PD-2/24/05 - Water) - cont.				**Sampled: 02/24/05**				
Reporting Units: ug/l								
Naphthalene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
n-Propylbenzene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
Styrene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
1,1,1,2-Tetrachloroethane	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
1,1,2,2-Tetrachloroethane	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
Tetrachloroethene	EPA 8260B	5B25039	1.0	**19**	1	2/25/2005	2/25/2005	
Toluene	EPA 8260B	5B25039	0.50	ND	1	2/25/2005	2/25/2005	
1,2,3-Trichlorobenzene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
1,2,4-Trichlorobenzene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
1,1,1-Trichloroethane	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
1,1,2-Trichloroethane	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
Trichloroethene	EPA 8260B	5B25039	1.0	**9.7**	1	2/25/2005	2/25/2005	
Trichlorofluoromethane	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
1,2,3-Trichloropropane	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
1,2,4-Trimethylbenzene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
1,3,5-Trimethylbenzene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
Vinyl chloride	EPA 8260B	5B25039	0.50	ND	1	2/25/2005	2/25/2005	
o-Xylene	EPA 8260B	5B25039	0.50	ND	1	2/25/2005	2/25/2005	
m,p-Xylenes	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
Surrogate: Dibromofluoromethane (80-120%)				*106 %*				
Surrogate: Toluene-d8 (80-120%)				*99 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*100 %*				

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Received: 02/25/05

VOLATILE ORGANICS with MTBE by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IOB1976-08 (GW-7-2/24/05 - Water)				**Sampled: 02/24/05**				
Reporting Units: ug/l								
Benzene	EPA 8260B	5B25039	0.50	ND	1	2/25/2005	2/26/2005	
Bromobenzene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	
Bromochloromethane	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	
Bromodichloromethane	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	
Bromoform	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	
Bromomethane	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	
n-Butylbenzene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	
sec-Butylbenzene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	
tert-Butylbenzene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	
Carbon tetrachloride	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	
Chlorobenzene	EPA 8260B	5B25039	0.50	ND	1	2/25/2005	2/26/2005	
Chloroethane	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	
Chloroform	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	
Chloromethane	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	
2-Chlorotoluene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	
Chlorotoluene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	
Dibromochloromethane	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	
1,2-Dibromo-3-chloropropane	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	
1,2-Dibromoethane (EDB)	EPA 8260B	5B25039	5.0	ND	1	2/25/2005	2/26/2005	
Dibromomethane	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	
1,2-Dichlorobenzene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	
1,3-Dichlorobenzene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	
1,4-Dichlorobenzene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	
Dichlorodifluoromethane	EPA 8260B	5B25039	2.0	**11**	1	2/25/2005	2/26/2005	
1,1-Dichloroethane	EPA 8260B	5B25039	1.0	**5.2**	1	2/25/2005	2/26/2005	
1,2-Dichloroethane	EPA 8260B	5B25039	0.50	**1.0**	1	2/25/2005	2/26/2005	
1,1-Dichloroethene	EPA 8260B	5B25039	1.0	**1.5**	1	2/25/2005	2/26/2005	
cis-1,2-Dichloroethene	EPA 8260B	5B25039	1.0	**27**	1	2/25/2005	2/26/2005	
trans-1,2-Dichloroethene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	
1,2-Dichloropropane	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	
1,3-Dichloropropane	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	
2,2-Dichloropropane	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	
1,1-Dichloropropene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	
cis-1,3-Dichloropropene	EPA 8260B	5B25039	0.50	ND	1	2/25/2005	2/26/2005	
trans-1,3-Dichloropropene	EPA 8260B	5B25039	0.50	ND	1	2/25/2005	2/26/2005	
Ethylbenzene	EPA 8260B	5B25039	0.50	ND	1	2/25/2005	2/26/2005	
Hexachlorobutadiene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	
Isopropylbenzene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	
p-Isopropyltoluene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	
Methylene chloride	EPA 8260B	5B25039	5.0	ND	1	2/25/2005	2/26/2005	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	

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Project ID: Honeywell, North Hollywood
1890933.0501
Report Number: IOB1976

Sampled: 02/24/05-02/25/05
Received: 02/25/05

VOLATILE ORGANICS with MTBE by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IOB1976-08 (GW-7-2/24/05 - Water) - cont.				**Sampled: 02/24/05**				
Reporting Units: ug/l								
Naphthalene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	
n-Propylbenzene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	
Styrene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	
1,1,1,2-Tetrachloroethane	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	
1,1,2,2-Tetrachloroethane	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	
Tetrachloroethene	EPA 8260B	5B25039	1.0	14	1	2/25/2005	2/26/2005	
Toluene	EPA 8260B	5B25039	0.50	ND	1	2/25/2005	2/26/2005	
1,2,3-Trichlorobenzene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	
1,2,4-Trichlorobenzene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	
1,1,1-Trichloroethane	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	
1,1,2-Trichloroethane	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	
Trichloroethene	EPA 8260B	5B25039	1.0	53	1	2/25/2005	2/26/2005	
Trichlorofluoromethane	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	
1,2,3-Trichloropropane	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	
1,2,4-Trimethylbenzene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	
1,3,5-Trimethylbenzene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	
Vinyl chloride	EPA 8260B	5B25039	0.50	ND	1	2/25/2005	2/26/2005	
o-Xylene	EPA 8260B	5B25039	0.50	ND	1	2/25/2005	2/26/2005	
m,p-Xylenes	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	
Surrogate: Dibromofluoromethane (80-120%)				*111 %*				
Surrogate: Toluene-d8 (80-120%)				*100 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*98 %*				

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Received: 02/25/05

VOLATILE ORGANICS with MTBE by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IOB1976-10 (DUP-01-2/24/05 - Water)				**Sampled: 02/24/05**				
Reporting Units: ug/l								
Benzene	EPA 8260B	5B25039	0.50	ND	1	2/25/2005	2/26/2005	
Bromobenzene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	
Bromochloromethane	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	
Bromodichloromethane	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	
Bromoform	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	
Bromomethane	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	
n-Butylbenzene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	
sec-Butylbenzene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	
tert-Butylbenzene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	
Carbon tetrachloride	EPA 8260B	5B25039	0.50	ND	1	2/25/2005	2/26/2005	
Chlorobenzene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	
Chloroethane	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	
Chloroform	EPA 8260B	5B25039	1.0	**1.0**	1	2/25/2005	2/26/2005	
Chloromethane	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	
2-Chlorotoluene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	
Chlorotoluene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	
romochloromethane	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	
1,2-Dibromo-3-chloropropane	EPA 8260B	5B25039	5.0	ND	1	2/25/2005	2/26/2005	
1,2-Dibromoethane (EDB)	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	
Dibromomethane	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	
1,2-Dichlorobenzene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	
1,3-Dichlorobenzene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	
1,4-Dichlorobenzene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	
Dichlorodifluoromethane	EPA 8260B	5B25039	2.0	**11**	1	2/25/2005	2/26/2005	
1,1-Dichloroethane	EPA 8260B	5B25039	1.0	**5.0**	1	2/25/2005	2/26/2005	
1,2-Dichloroethane	EPA 8260B	5B25039	0.50	**1.1**	1	2/25/2005	2/26/2005	
1,1-Dichloroethene	EPA 8260B	5B25039	1.0	**1.4**	1	2/25/2005	2/26/2005	
cis-1,2-Dichloroethene	EPA 8260B	5B25039	1.0	**25**	1	2/25/2005	2/26/2005	
trans-1,2-Dichloroethene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	
1,2-Dichloropropane	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	
1,3-Dichloropropane	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	
2,2-Dichloropropane	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	
1,1-Dichloropropene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	
cis-1,3-Dichloropropene	EPA 8260B	5B25039	0.50	ND	1	2/25/2005	2/26/2005	
trans-1,3-Dichloropropene	EPA 8260B	5B25039	0.50	ND	1	2/25/2005	2/26/2005	
Ethylbenzene	EPA 8260B	5B25039	0.50	ND	1	2/25/2005	2/26/2005	
Hexachlorobutadiene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	
Isopropylbenzene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	
p-Isopropyltoluene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	
Methylene chloride	EPA 8260B	5B25039	5.0	ND	1	2/25/2005	2/26/2005	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	

Del Mar Analytical, Irvine
ris Roberts
Project Manager

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MWH Americas - Brea
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Brea, CA 92821
Attention: Lisa Hall

Project ID: Honeywell, North Hollywood
1890933.0501
Report Number: IOB1976

Sampled: 02/24/05-02/25/05
Received: 02/25/05

VOLATILE ORGANICS with MTBE by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IOB1976-10 (DUP-01-2/24/05 - Water) - cont.				**Sampled: 02/24/05**				
Reporting Units: ug/l								
Naphthalene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	
n-Propylbenzene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	
Styrene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	
1,1,1,2-Tetrachloroethane	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	
1,1,2,2-Tetrachloroethane	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	
Tetrachloroethene	EPA 8260B	5B25039	1.0	**13**	1	2/25/2005	2/26/2005	
Toluene	EPA 8260B	5B25039	0.50	ND	1	2/25/2005	2/26/2005	
1,2,3-Trichlorobenzene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	
1,2,4-Trichlorobenzene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	
1,1,1-Trichloroethane	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	
1,1,2-Trichloroethane	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	
Trichloroethene	EPA 8260B	5B25039	1.0	**51**	1	2/25/2005	2/26/2005	
Trichlorofluoromethane	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	
1,2,3-Trichloropropane	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	
1,2,4-Trimethylbenzene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	
1,3,5-Trimethylbenzene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	
Vinyl chloride	EPA 8260B	5B25039	0.50	ND	1	2/25/2005	2/26/2005	
o-Xylene	EPA 8260B	5B25039	0.50	ND	1	2/25/2005	2/26/2005	
m,p-Xylenes	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	
Surrogate: Dibromofluoromethane (80-120%)				*111 %*				
Surrogate: Toluene-d8 (80-120%)				*100 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*101 %*				

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1890933.0501
Report Number: IOB1976

Sampled: 02/24/05-02/25/05
Received: 02/25/05

VOLATILE ORGANICS with MTBE by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IOB1976-11 (TB-022405 - Water)				**Sampled: 02/24/05**				
Reporting Units: ug/l								
Benzene	EPA 8260B	5B25039	0.50	ND	1	2/25/2005	2/25/2005	
Bromobenzene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
Bromochloromethane	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
Bromodichloromethane	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
Bromoform	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
Bromomethane	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
n-Butylbenzene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
sec-Butylbenzene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
tert-Butylbenzene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
Carbon tetrachloride	EPA 8260B	5B25039	0.50	ND	1	2/25/2005	2/25/2005	
Chlorobenzene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
Chloroethane	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
Chloroform	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
Chloromethane	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
2-Chlorotoluene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
hlorotoluene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
romochloromethane	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
1,2-Dibromo-3-chloropropane	EPA 8260B	5B25039	5.0	ND	1	2/25/2005	2/25/2005	
1,2-Dibromoethane (EDB)	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
Dibromomethane	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
1,2-Dichlorobenzene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
1,3-Dichlorobenzene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
1,4-Dichlorobenzene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
Dichlorodifluoromethane	EPA 8260B	5B25039	2.0	ND	1	2/25/2005	2/25/2005	
1,1-Dichloroethane	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
1,2-Dichloroethane	EPA 8260B	5B25039	0.50	ND	1	2/25/2005	2/25/2005	
1,1-Dichloroethene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
cis-1,2-Dichloroethene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
trans-1,2-Dichloroethene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
1,2-Dichloropropane	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
1,3-Dichloropropane	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
2,2-Dichloropropane	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
1,1-Dichloropropene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
cis-1,3-Dichloropropene	EPA 8260B	5B25039	0.50	ND	1	2/25/2005	2/25/2005	
trans-1,3-Dichloropropene	EPA 8260B	5B25039	0.50	ND	1	2/25/2005	2/25/2005	
Ethylbenzene	EPA 8260B	5B25039	0.50	ND	1	2/25/2005	2/25/2005	
Hexachlorobutadiene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
Isopropylbenzene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
p-Isopropyltoluene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
Methylene chloride	EPA 8260B	5B25039	5.0	ND	1	2/25/2005	2/25/2005	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	

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Project ID: Honeywell, North Hollywood
1890933.0501
Report Number: IOB1976

Sampled: 02/24/05-02/25/05
Received: 02/25/05

VOLATILE ORGANICS with MTBE by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IOB1976-11 (TB-022405 - Water) - cont.				**Sampled: 02/24/05**				
Reporting Units: ug/l								
Naphthalene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
n-Propylbenzene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
Styrene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
1,1,1,2-Tetrachloroethane	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
1,1,2,2-Tetrachloroethane	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
Tetrachloroethene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
Toluene	EPA 8260B	5B25039	0.50	ND	1	2/25/2005	2/25/2005	
1,2,3-Trichlorobenzene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
1,2,4-Trichlorobenzene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
1,1,1-Trichloroethane	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
1,1,2-Trichloroethane	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
Trichloroethene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
Trichlorofluoromethane	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
1,2,3-Trichloropropane	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
1,2,4-Trimethylbenzene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
1,3,5-Trimethylbenzene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
Vinyl chloride	EPA 8260B	5B25039	0.50	ND	1	2/25/2005	2/25/2005	
o-Xylene	EPA 8260B	5B25039	0.50	ND	1	2/25/2005	2/25/2005	
m,p-Xylenes	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
Surrogate: Dibromofluoromethane (80-120%)				*110 %*				
Surrogate: Toluene-d8 (80-120%)				*100 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*100 %*				

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1890933.0501
Report Number: IOB1976

Sampled: 02/24/05-02/25/05
Received: 02/25/05

VOLATILE ORGANICS with MTBE by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IOB1976-13 (GW10-2/24/05 - Water)				**Sampled: 02/25/05**				
Reporting Units: ug/l								
Benzene	EPA 8260B	5B25039	0.50	ND	1	2/25/2005	2/25/2005	
Bromobenzene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
Bromochloromethane	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
Bromodichloromethane	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
Bromoform	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
Bromomethane	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
n-Butylbenzene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
sec-Butylbenzene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
tert-Butylbenzene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
Carbon tetrachloride	EPA 8260B	5B25039	0.50	ND	1	2/25/2005	2/25/2005	
Chlorobenzene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
Chloroethane	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
Chloroform	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
Chloromethane	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
2-Chlorotoluene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
Chlorotoluene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
bromochloromethane	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
1,2-Dibromo-3-chloropropane	EPA 8260B	5B25039	5.0	ND	1	2/25/2005	2/25/2005	
1,2-Dibromoethane (EDB)	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
Dibromomethane	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
1,2-Dichlorobenzene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
1,3-Dichlorobenzene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
1,4-Dichlorobenzene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
Dichlorodifluoromethane	EPA 8260B	5B25039	2.0	13	1	2/25/2005	2/25/2005	
1,1-Dichloroethane	EPA 8260B	5B25039	1.0	**2.6**	1	2/25/2005	2/25/2005	
1,2-Dichloroethane	EPA 8260B	5B25039	0.50	**1.2**	1	2/25/2005	2/25/2005	
1,1-Dichloroethene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
cis-1,2-Dichloroethene	EPA 8260B	5B25039	1.0	23	1	2/25/2005	2/25/2005	
trans-1,2-Dichloroethene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
1,2-Dichloropropane	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
1,3-Dichloropropane	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
2,2-Dichloropropane	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
1,1-Dichloropropene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
cis-1,3-Dichloropropene	EPA 8260B	5B25039	0.50	ND	1	2/25/2005	2/25/2005	
trans-1,3-Dichloropropene	EPA 8260B	5B25039	0.50	ND	1	2/25/2005	2/25/2005	
Ethylbenzene	EPA 8260B	5B25039	0.50	ND	1	2/25/2005	2/25/2005	
Hexachlorobutadiene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
Isopropylbenzene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
p-Isopropyltoluene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
Methylene chloride	EPA 8260B	5B25039	5.0	ND	1	2/25/2005	2/25/2005	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	

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MWH Americas - Brea
3050 Saturn Ave., Suite 205
Brea, CA 92821
Attention: Lisa Hall

Project ID: Honeywell, North Hollywood
1890933.0501
Report Number: IOB1976

Sampled: 02/24/05-02/25/05
Received: 02/25/05

VOLATILE ORGANICS with MTBE by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IOB1976-13 (GW10-2/24/05 - Water) - cont.				**Sampled: 02/25/05**				
Reporting Units: ug/l								
Naphthalene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
n-Propylbenzene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
Styrene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
1,1,1,2-Tetrachloroethane	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
1,1,2,2-Tetrachloroethane	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
Tetrachloroethene	EPA 8260B	5B25039	1.0	**13**	1	2/25/2005	2/25/2005	
Toluene	EPA 8260B	5B25039	0.50	ND	1	2/25/2005	2/25/2005	
1,2,3-Trichlorobenzene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
1,2,4-Trichlorobenzene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
1,1,1-Trichloroethane	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
1,1,2-Trichloroethane	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
Trichloroethene	EPA 8260B	5B25039	1.0	**18**	1	2/25/2005	2/25/2005	
Trichlorofluoromethane	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
1,2,3-Trichloropropane	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
1,2,4-Trimethylbenzene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
1,3,5-Trimethylbenzene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
Vinyl chloride	EPA 8260B	5B25039	0.50	ND	1	2/25/2005	2/25/2005	
o-Xylene	EPA 8260B	5B25039	0.50	ND	1	2/25/2005	2/25/2005	
m,p-Xylenes	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
Surrogate: Dibromofluoromethane (80-120%)				*112 %*				
Surrogate: Toluene-d8 (80-120%)				*100 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*101 %*				

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1890933.0501
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Received: 02/25/05

VOLATILE ORGANICS with MTBE by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IOB1976-15 (GW-15-2/25/05 - Water)				**Sampled: 02/25/05**				
Reporting Units: ug/l								
Benzene	EPA 8260B	5B25039	0.50	ND	1	2/25/2005	2/26/2005	
Bromobenzene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	
Bromochloromethane	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	
Bromodichloromethane	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	
Bromoform	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	
Bromomethane	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	
n-Butylbenzene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	
sec-Butylbenzene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	
tert-Butylbenzene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	
Carbon tetrachloride	EPA 8260B	5B25039	0.50	**0.51**	1	2/25/2005	2/26/2005	
Chlorobenzene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	
Chloroethane	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	
Chloroform	EPA 8260B	5B25039	1.0	**2.2**	1	2/25/2005	2/26/2005	
Chloromethane	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	
2-Chlorotoluene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	
hlorotoluene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	
ibromochloromethane	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	
1,2-Dibromo-3-chloropropane	EPA 8260B	5B25039	5.0	ND	1	2/25/2005	2/26/2005	
1,2-Dibromoethane (EDB)	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	
Dibromomethane	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	
1,2-Dichlorobenzene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	
1,3-Dichlorobenzene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	
1,4-Dichlorobenzene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	
Dichlorodifluoromethane	EPA 8260B	5B25039	2.0	**8.2**	1	2/25/2005	2/26/2005	
1,1-Dichloroethane	EPA 8260B	5B25039	1.0	**8.0**	1	2/25/2005	2/26/2005	
1,2-Dichloroethane	EPA 8260B	5B25039	0.50	**1.2**	1	2/25/2005	2/26/2005	
1,1-Dichloroethene	EPA 8260B	5B25039	1.0	**7.6**	1	2/25/2005	2/26/2005	
cis-1,2-Dichloroethene	EPA 8260B	5B25039	1.0	**26**	1	2/25/2005	2/26/2005	
trans-1,2-Dichloroethene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	
1,2-Dichloropropane	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	
1,3-Dichloropropane	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	
2,2-Dichloropropane	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	
1,1-Dichloropropene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	
cis-1,3-Dichloropropene	EPA 8260B	5B25039	0.50	ND	1	2/25/2005	2/26/2005	
trans-1,3-Dichloropropene	EPA 8260B	5B25039	0.50	ND	1	2/25/2005	2/26/2005	
Ethylbenzene	EPA 8260B	5B25039	0.50	ND	1	2/25/2005	2/26/2005	
Hexachlorobutadiene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	
Isopropylbenzene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	
p-Isopropyltoluene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	
Methylene chloride	EPA 8260B	5B25039	5.0	ND	1	2/25/2005	2/26/2005	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	

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Project ID: Honeywell, North Hollywood
1890933.0501
Report Number: IOB1976

Sampled: 02/24/05-02/25/05
Received: 02/25/05

VOLATILE ORGANICS with MTBE by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IOB1976-15 (GW-15-2/25/05 - Water) - cont.				**Sampled: 02/25/05**				
Reporting Units: ug/l								
Naphthalene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	
n-Propylbenzene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	
Styrene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	
1,1,1,2-Tetrachloroethane	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	
1,1,2,2-Tetrachloroethane	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	
Tetrachloroethene	EPA 8260B	5B25039	1.0	**13**	1	2/25/2005	2/26/2005	
Toluene	EPA 8260B	5B25039	0.50	ND	1	2/25/2005	2/26/2005	
1,2,3-Trichlorobenzene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	
1,2,4-Trichlorobenzene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	
1,1,1-Trichloroethane	EPA 8260B	5B25039	1.0	**4.0**	1	2/25/2005	2/26/2005	
1,1,2-Trichloroethane	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	
Trichloroethene	EPA 8260B	5B25039	1.0	**160**	1	2/25/2005	2/26/2005	
Trichlorofluoromethane	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	
1,2,3-Trichloropropane	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	
1,2,4-Trimethylbenzene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	
1,3,5-Trimethylbenzene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	
Vinyl chloride	EPA 8260B	5B25039	0.50	ND	1	2/25/2005	2/26/2005	
o-Xylene	EPA 8260B	5B25039	0.50	ND	1	2/25/2005	2/26/2005	
m,p-Xylenes	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	
Surrogate: Dibromofluoromethane (80-120%)				*112 %*				
Surrogate: Toluene-d8 (80-120%)				*101 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*100 %*				

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VOLATILE ORGANICS with MTBE by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IOB1976-17 (DUP-03-2/25/05 - Water)				**Sampled: 02/25/05**				
Reporting Units: ug/l								
Benzene	EPA 8260B	5B25039	0.50	ND	1	2/25/2005	2/26/2005	
Bromobenzene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	
Bromochloromethane	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	
Bromodichloromethane	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	
Bromoform	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	
Bromomethane	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	
n-Butylbenzene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	
sec-Butylbenzene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	
tert-Butylbenzene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	
Carbon tetrachloride	EPA 8260B	5B25039	0.50	ND	1	2/25/2005	2/26/2005	
Chlorobenzene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	
Chloroethane	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	
Chloroform	EPA 8260B	5B25039	1.0	**2.2**	1	2/25/2005	2/26/2005	
Chloromethane	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	
2-Chlorotoluene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	
Chlorotoluene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	
romochloromethane	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	
1,2-Dibromo-3-chloropropane	EPA 8260B	5B25039	5.0	ND	1	2/25/2005	2/26/2005	
1,2-Dibromoethane (EDB)	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	
Dibromomethane	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	
1,2-Dichlorobenzene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	
1,3-Dichlorobenzene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	
1,4-Dichlorobenzene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	
Dichlorodifluoromethane	EPA 8260B	5B25039	2.0	**8.2**	1	2/25/2005	2/26/2005	
1,1-Dichloroethane	EPA 8260B	5B25039	1.0	**7.8**	1	2/25/2005	2/26/2005	
1,2-Dichloroethane	EPA 8260B	5B25039	0.50	**1.2**	1	2/25/2005	2/26/2005	
1,1-Dichloroethene	EPA 8260B	5B25039	1.0	**7.4**	1	2/25/2005	2/26/2005	
cis-1,2-Dichloroethene	EPA 8260B	5B25039	1.0	**25**	1	2/25/2005	2/26/2005	
trans-1,2-Dichloroethene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	
1,2-Dichloropropane	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	
1,3-Dichloropropane	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	
2,2-Dichloropropane	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	
1,1-Dichloropropene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	
cis-1,3-Dichloropropene	EPA 8260B	5B25039	0.50	ND	1	2/25/2005	2/26/2005	
trans-1,3-Dichloropropene	EPA 8260B	5B25039	0.50	ND	1	2/25/2005	2/26/2005	
Ethylbenzene	EPA 8260B	5B25039	0.50	ND	1	2/25/2005	2/26/2005	
Hexachlorobutadiene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	
Isopropylbenzene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	
p-Isopropyltoluene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	
Methylene chloride	EPA 8260B	5B25039	5.0	ND	1	2/25/2005	2/26/2005	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	

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VOLATILE ORGANICS with MTBE by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IOB1976-17 (DUP-03-2/25/05 - Water) - cont.				**Sampled: 02/25/05**				
Reporting Units: ug/l								
Naphthalene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	
n-Propylbenzene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	
Styrene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	
1,1,1,2-Tetrachloroethane	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	
1,1,2,2-Tetrachloroethane	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	
Tetrachloroethene	EPA 8260B	5B25039	1.0	**13**	1	2/25/2005	2/26/2005	
Toluene	EPA 8260B	5B25039	0.50	ND	1	2/25/2005	2/26/2005	
1,2,3-Trichlorobenzene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	
1,2,4-Trichlorobenzene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	
1,1,1-Trichloroethane	EPA 8260B	5B25039	1.0	**3.9**	1	2/25/2005	2/26/2005	
1,1,2-Trichloroethane	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	
Trichloroethene	EPA 8260B	5B25039	1.0	**150**	1	2/25/2005	2/26/2005	
Trichlorofluoromethane	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	
1,2,3-Trichloropropane	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	
1,2,4-Trimethylbenzene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	
1,3,5-Trimethylbenzene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	
Vinyl chloride	EPA 8260B	5B25039	0.50	ND	1	2/25/2005	2/26/2005	
o-Xylene	EPA 8260B	5B25039	0.50	ND	1	2/25/2005	2/26/2005	
m,p-Xylenes	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	
Surrogate: Dibromofluoromethane (80-120%)				*112 %*				
Surrogate: Toluene-d8 (80-120%)				*100 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*99 %*				

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IWH Americas - Brea
3050 Saturn Ave., Suite 205
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Attention: Lisa Hall

Project ID: Honeywell, North Hollywood
1890933.0501
Report Number: IOB1976

Sampled: 02/24/05-02/25/05
Received: 02/25/05

VOLATILE ORGANICS with MTBE by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IOB1976-18 (EB-03-2/25/05-F - Water)				**Sampled: 02/25/05**				
Reporting Units: ug/l								
Benzene	EPA 8260B	5B25039	0.50	ND	1	2/25/2005	2/25/2005	
Bromobenzene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
Bromochloromethane	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
Bromodichloromethane	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
Bromoform	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
Bromomethane	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
n-Butylbenzene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
sec-Butylbenzene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
tert-Butylbenzene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
Carbon tetrachloride	EPA 8260B	5B25039	0.50	ND	1	2/25/2005	2/25/2005	
Chlorobenzene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
Chloroethane	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
Chloroform	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
Chloromethane	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
2-Chlorotoluene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
Chlorotoluene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
bromochloromethane	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
1,2-Dibromo-3-chloropropane	EPA 8260B	5B25039	5.0	ND	1	2/25/2005	2/25/2005	
1,2-Dibromoethane (EDB)	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
Dibromomethane	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
1,2-Dichlorobenzene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
1,3-Dichlorobenzene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
1,4-Dichlorobenzene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
Dichlorodifluoromethane	EPA 8260B	5B25039	2.0	ND	1	2/25/2005	2/25/2005	
1,1-Dichloroethane	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
1,2-Dichloroethane	EPA 8260B	5B25039	0.50	ND	1	2/25/2005	2/25/2005	
1,1-Dichloroethene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
cis-1,2-Dichloroethene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
trans-1,2-Dichloroethene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
1,2-Dichloropropane	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
1,3-Dichloropropane	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
2,2-Dichloropropane	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
1,1-Dichloropropene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
cis-1,3-Dichloropropene	EPA 8260B	5B25039	0.50	ND	1	2/25/2005	2/25/2005	
trans-1,3-Dichloropropene	EPA 8260B	5B25039	0.50	ND	1	2/25/2005	2/25/2005	
Ethylbenzene	EPA 8260B	5B25039	0.50	ND	1	2/25/2005	2/25/2005	
Hexachlorobutadiene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
Isopropylbenzene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
p-Isopropyltoluene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
Methylene chloride	EPA 8260B	5B25039	5.0	ND	1	2/25/2005	2/25/2005	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	

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MWH Americas - Brea
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Attention: Lisa Hall

Project ID: Honeywell, North Hollywood
1890933.0501
Report Number: IOB1976

Sampled: 02/24/05-02/25/05
Received: 02/25/05

VOLATILE ORGANICS with MTBE by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IOB1976-18 (EB-03-2/25/05-F - Water) - cont.				**Sampled: 02/25/05**				
Reporting Units: ug/l								
Naphthalene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
n-Propylbenzene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
Styrene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
1,1,1,2-Tetrachloroethane	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
1,1,2,2-Tetrachloroethane	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
Tetrachloroethene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
Toluene	EPA 8260B	5B25039	0.50	ND	1	2/25/2005	2/25/2005	
1,2,3-Trichlorobenzene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
1,2,4-Trichlorobenzene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
1,1,1-Trichloroethane	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
1,1,2-Trichloroethane	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
Trichloroethene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
Trichlorofluoromethane	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
1,2,3-Trichloropropane	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
1,2,4-Trimethylbenzene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
1,3,5-Trimethylbenzene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
Vinyl chloride	EPA 8260B	5B25039	0.50	ND	1	2/25/2005	2/25/2005	
o-Xylene	EPA 8260B	5B25039	0.50	ND	1	2/25/2005	2/25/2005	
m,p-Xylenes	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
Surrogate: Dibromofluoromethane (80-120%)				*110 %*				
Surrogate: Toluene-d8 (80-120%)				*99 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*100 %*				

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Received: 02/25/05

VOLATILE ORGANICS with MTBE by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IOB1976-20 (GW-5-2/25/05 - Water)				**Sampled: 02/25/05**				
Reporting Units: ug/l								
Benzene	EPA 8260B	5B25039	0.50	ND	1	2/25/2005	2/26/2005	
Bromobenzene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	
Bromochloromethane	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	
Bromodichloromethane	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	
Bromoform	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	
Bromomethane	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	
n-Butylbenzene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	
sec-Butylbenzene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	
tert-Butylbenzene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	
Carbon tetrachloride	EPA 8260B	5B25039	0.50	ND	1	2/25/2005	2/26/2005	
Chlorobenzene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	
Chloroethane	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	
Chloroform	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	
Chloromethane	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	
2-Chlorotoluene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	
Chlorotoluene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	
bromochloromethane	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	
1,2-Dibromo-3-chloropropane	EPA 8260B	5B25039	5.0	ND	1	2/25/2005	2/26/2005	
1,2-Dibromoethane (EDB)	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	
Dibromomethane	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	
1,2-Dichlorobenzene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	
1,3-Dichlorobenzene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	
1,4-Dichlorobenzene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	
Dichlorodifluoromethane	EPA 8260B	5B25039	2.0	**18**	1	2/25/2005	2/26/2005	
1,1-Dichloroethane	EPA 8260B	5B25039	1.0	**5.6**	1	2/25/2005	2/26/2005	
1,2-Dichloroethane	EPA 8260B	5B25039	0.50	**1.3**	1	2/25/2005	2/26/2005	
1,1-Dichloroethene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	
cis-1,2-Dichloroethene	EPA 8260B	5B25039	1.0	**34**	1	2/25/2005	2/26/2005	
trans-1,2-Dichloroethene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	
1,2-Dichloropropane	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	
1,3-Dichloropropane	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	
2,2-Dichloropropane	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	
1,1-Dichloropropene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	
cis-1,3-Dichloropropene	EPA 8260B	5B25039	0.50	ND	1	2/25/2005	2/26/2005	
trans-1,3-Dichloropropene	EPA 8260B	5B25039	0.50	ND	1	2/25/2005	2/26/2005	
Ethylbenzene	EPA 8260B	5B25039	0.50	ND	1	2/25/2005	2/26/2005	
Hexachlorobutadiene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	
Isopropylbenzene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	
p-Isopropyltoluene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	
Methylene chloride	EPA 8260B	5B25039	5.0	ND	1	2/25/2005	2/26/2005	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	

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Project ID: Honeywell, North Hollywood
1890933.0501
Report Number: IOB1976

Sampled: 02/24/05-02/25/05
Received: 02/25/05

VOLATILE ORGANICS with MTBE by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IOB1976-20 (GW-5-2/25/05 - Water) - cont.				**Sampled: 02/25/05**				
Reporting Units: ug/l								
Naphthalene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	
n-Propylbenzene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	
Styrene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	
1,1,1,2-Tetrachloroethane	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	
1,1,2,2-Tetrachloroethane	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	
Tetrachloroethene	EPA 8260B	5B25039	1.0	**18**	1	2/25/2005	2/26/2005	
Toluene	EPA 8260B	5B25039	0.50	ND	1	2/25/2005	2/26/2005	
1,2,3-Trichlorobenzene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	
1,2,4-Trichlorobenzene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	
1,1,1-Trichloroethane	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	
1,1,2-Trichloroethane	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	
Trichloroethene	EPA 8260B	5B25039	1.0	**15**	1	2/25/2005	2/26/2005	
Trichlorofluoromethane	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	
1,2,3-Trichloropropane	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	
1,2,4-Trimethylbenzene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	
1,3,5-Trimethylbenzene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	
Vinyl chloride	EPA 8260B	5B25039	0.50	ND	1	2/25/2005	2/26/2005	
o-Xylene	EPA 8260B	5B25039	0.50	ND	1	2/25/2005	2/26/2005	
m,p-Xylenes	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/26/2005	
Surrogate: Dibromofluoromethane (80-120%)				*112 %*				
Surrogate: Toluene-d8 (80-120%)				*100 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*98 %*				

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Sampled: 02/24/05-02/25/05
Received: 02/25/05

VOLATILE ORGANICS with MTBE by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IOB1976-22 (GW-4-2/25/05 - Water)				**Sampled: 02/25/05**				
Reporting Units: ug/l								
Benzene	EPA 8260B	5B26009	0.50	ND	1	2/26/2005	2/26/2005	
Bromobenzene	EPA 8260B	5B26009	1.0	ND	1	2/26/2005	2/26/2005	
Bromochloromethane	EPA 8260B	5B26009	1.0	ND	1	2/26/2005	2/26/2005	
Bromodichloromethane	EPA 8260B	5B26009	1.0	ND	1	2/26/2005	2/26/2005	
Bromoform	EPA 8260B	5B26009	1.0	ND	1	2/26/2005	2/26/2005	
Bromomethane	EPA 8260B	5B26009	1.0	ND	1	2/26/2005	2/26/2005	
n-Butylbenzene	EPA 8260B	5B26009	1.0	ND	1	2/26/2005	2/26/2005	
sec-Butylbenzene	EPA 8260B	5B26009	1.0	ND	1	2/26/2005	2/26/2005	
tert-Butylbenzene	EPA 8260B	5B26009	1.0	ND	1	2/26/2005	2/26/2005	
Carbon tetrachloride	EPA 8260B	5B26009	1.0	ND	1	2/26/2005	2/26/2005	
Chlorobenzene	EPA 8260B	5B26009	0.50	ND	1	2/26/2005	2/26/2005	
Chloroethane	EPA 8260B	5B26009	1.0	ND	1	2/26/2005	2/26/2005	
Chloroform	EPA 8260B	5B26009	1.0	ND	1	2/26/2005	2/26/2005	
Chloromethane	EPA 8260B	5B26009	1.0	ND	1	2/26/2005	2/26/2005	
2-Chlorotoluene	EPA 8260B	5B26009	1.0	ND	1	2/26/2005	2/26/2005	
hlorotoluene	EPA 8260B	5B26009	1.0	ND	1	2/26/2005	2/26/2005	
omochloromethane	EPA 8260B	5B26009	1.0	ND	1	2/26/2005	2/26/2005	
1,2-Dibromo-3-chloropropane	EPA 8260B	5B26009	5.0	ND	1	2/26/2005	2/26/2005	
1,2-Dibromoethane (EDB)	EPA 8260B	5B26009	1.0	ND	1	2/26/2005	2/26/2005	
Dibromomethane	EPA 8260B	5B26009	1.0	ND	1	2/26/2005	2/26/2005	
1,2-Dichlorobenzene	EPA 8260B	5B26009	1.0	ND	1	2/26/2005	2/26/2005	
1,3-Dichlorobenzene	EPA 8260B	5B26009	1.0	ND	1	2/26/2005	2/26/2005	
1,4-Dichlorobenzene	EPA 8260B	5B26009	1.0	ND	1	2/26/2005	2/26/2005	
Dichlorodifluoromethane	EPA 8260B	5B26009	2.0	**14**	1	2/26/2005	2/26/2005	
1,1-Dichloroethane	EPA 8260B	5B26009	1.0	**3.9**	1	2/26/2005	2/26/2005	
1,2-Dichloroethane	EPA 8260B	5B26009	0.50	**1.0**	1	2/26/2005	2/26/2005	
1,1-Dichloroethene	EPA 8260B	5B26009	1.0	ND	1	2/26/2005	2/26/2005	
cis-1,2-Dichloroethene	EPA 8260B	5B26009	1.0	**27**	1	2/26/2005	2/26/2005	
trans-1,2-Dichloroethene	EPA 8260B	5B26009	1.0	ND	1	2/26/2005	2/26/2005	
1,2-Dichloropropane	EPA 8260B	5B26009	1.0	ND	1	2/26/2005	2/26/2005	
1,3-Dichloropropane	EPA 8260B	5B26009	1.0	ND	1	2/26/2005	2/26/2005	
2,2-Dichloropropane	EPA 8260B	5B26009	1.0	ND	1	2/26/2005	2/26/2005	
1,1-Dichloropropene	EPA 8260B	5B26009	1.0	ND	1	2/26/2005	2/26/2005	
cis-1,3-Dichloropropene	EPA 8260B	5B26009	0.50	ND	1	2/26/2005	2/26/2005	
trans-1,3-Dichloropropene	EPA 8260B	5B26009	0.50	ND	1	2/26/2005	2/26/2005	
Ethylbenzene	EPA 8260B	5B26009	0.50	ND	1	2/26/2005	2/26/2005	
Hexachlorobutadiene	EPA 8260B	5B26009	1.0	ND	1	2/26/2005	2/26/2005	
Isopropylbenzene	EPA 8260B	5B26009	1.0	ND	1	2/26/2005	2/26/2005	
p-Isopropyltoluene	EPA 8260B	5B26009	1.0	ND	1	2/26/2005	2/26/2005	
Methylene chloride	EPA 8260B	5B26009	5.0	ND	1	2/26/2005	2/26/2005	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	5B26009	1.0	ND	1	2/26/2005	2/26/2005	

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MWH Americas - Brea
3050 Saturn Ave., Suite 205
Brea, CA 92821
Attention: Lisa Hall

Project ID: Honeywell, North Hollywood
1890933.0501
Report Number: IOB1976

Sampled: 02/24/05-02/25/05
Received: 02/25/05

VOLATILE ORGANICS with MTBE by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IOB1976-22 (GW-4-2/25/05 - Water) - cont.				**Sampled: 02/25/05**				
Reporting Units: ug/l								
Naphthalene	EPA 8260B	5B26009	1.0	ND	1	2/26/2005	2/26/2005	
n-Propylbenzene	EPA 8260B	5B26009	1.0	ND	1	2/26/2005	2/26/2005	
Styrene	EPA 8260B	5B26009	1.0	ND	1	2/26/2005	2/26/2005	
1,1,1,2-Tetrachloroethane	EPA 8260B	5B26009	1.0	ND	1	2/26/2005	2/26/2005	
1,1,2,2-Tetrachloroethane	EPA 8260B	5B26009	1.0	ND	1	2/26/2005	2/26/2005	
Tetrachloroethene	EPA 8260B	5B26009	1.0	**14**	1	2/26/2005	2/26/2005	
Toluene	EPA 8260B	5B26009	0.50	ND	1	2/26/2005	2/26/2005	
1,2,3-Trichlorobenzene	EPA 8260B	5B26009	1.0	ND	1	2/26/2005	2/26/2005	
1,2,4-Trichlorobenzene	EPA 8260B	5B26009	1.0	ND	1	2/26/2005	2/26/2005	
1,1,1-Trichloroethane	EPA 8260B	5B26009	1.0	ND	1	2/26/2005	2/26/2005	
1,1,2-Trichloroethane	EPA 8260B	5B26009	1.0	ND	1	2/26/2005	2/26/2005	
Trichloroethene	EPA 8260B	5B26009	1.0	**12**	1	2/26/2005	2/26/2005	
Trichlorofluoromethane	EPA 8260B	5B26009	1.0	ND	1	2/26/2005	2/26/2005	
1,2,3-Trichloropropane	EPA 8260B	5B26009	1.0	ND	1	2/26/2005	2/26/2005	
1,2,4-Trimethylbenzene	EPA 8260B	5B26009	1.0	ND	1	2/26/2005	2/26/2005	
1,3,5-Trimethylbenzene	EPA 8260B	5B26009	1.0	ND	1	2/26/2005	2/26/2005	
Vinyl chloride	EPA 8260B	5B26009	0.50	ND	1	2/26/2005	2/26/2005	
o-Xylene	EPA 8260B	5B26009	0.50	ND	1	2/26/2005	2/26/2005	
m,p-Xylenes	EPA 8260B	5B26009	1.0	ND	1	2/26/2005	2/26/2005	
Surrogate: Dibromofluoromethane (80-120%)				*112 %*				
Surrogate: Toluene-d8 (80-120%)				*100 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*98 %*				

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1890933.0501
Report Number: IOB1976

Sampled: 02/24/05-02/25/05
Received: 02/25/05

VOLATILE ORGANICS with MTBE by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IOB1976-23 (EB-04-2/25/05-F - Water)				**Sampled: 02/25/05**				
Reporting Units: ug/l								
Benzene	EPA 8260B	5B25039	0.50	ND	1	2/25/2005	2/25/2005	
Bromobenzene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
Bromochloromethane	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
Bromodichloromethane	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
Bromoform	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
Bromomethane	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
n-Butylbenzene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
sec-Butylbenzene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
tert-Butylbenzene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
Carbon tetrachloride	EPA 8260B	5B25039	0.50	ND	1	2/25/2005	2/25/2005	
Chlorobenzene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
Chloroethane	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
Chloroform	EPA 8260B	5B25039	1.0	**1.4**	1	2/25/2005	2/25/2005	
Chloromethane	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
2-Chlorotoluene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
hlorotoluene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
bromochloromethane	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
1,2-Dibromo-3-chloropropane	EPA 8260B	5B25039	5.0	ND	1	2/25/2005	2/25/2005	
1,2-Dibromoethane (EDB)	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
Dibromomethane	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
1,2-Dichlorobenzene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
1,3-Dichlorobenzene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
1,4-Dichlorobenzene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
Dichlorodifluoromethane	EPA 8260B	5B25039	2.0	ND	1	2/25/2005	2/25/2005	
1,1-Dichloroethane	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
1,2-Dichloroethane	EPA 8260B	5B25039	0.50	ND	1	2/25/2005	2/25/2005	
1,1-Dichloroethene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
cis-1,2-Dichloroethene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
trans-1,2-Dichloroethene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
1,2-Dichloropropane	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
1,3-Dichloropropane	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
2,2-Dichloropropane	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
1,1-Dichloropropene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
cis-1,3-Dichloropropene	EPA 8260B	5B25039	0.50	ND	1	2/25/2005	2/25/2005	
trans-1,3-Dichloropropene	EPA 8260B	5B25039	0.50	ND	1	2/25/2005	2/25/2005	
Ethylbenzene	EPA 8260B	5B25039	0.50	ND	1	2/25/2005	2/25/2005	
Hexachlorobutadiene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
Isopropylbenzene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
p-Isopropyltoluene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
Methylene chloride	EPA 8260B	5B25039	5.0	ND	1	2/25/2005	2/25/2005	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	

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Attention: Lisa Hall

Project ID: Honeywell, North Hollywood
1890933.0501
Report Number: IOB1976

Sampled: 02/24/05-02/25/05
Received: 02/25/05

VOLATILE ORGANICS with MTBE by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IOB1976-23 (EB-04-2/25/05-F - Water) - cont.				**Sampled: 02/25/05**				
Reporting Units: ug/l								
Naphthalene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
n-Propylbenzene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
Styrene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
1,1,1,2-Tetrachloroethane	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
1,1,2,2-Tetrachloroethane	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
Tetrachloroethene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
Toluene	EPA 8260B	5B25039	0.50	ND	1	2/25/2005	2/25/2005	
1,2,3-Trichlorobenzene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
1,2,4-Trichlorobenzene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
1,1,1-Trichloroethane	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
1,1,2-Trichloroethane	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
Trichloroethene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
Trichlorofluoromethane	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
1,2,3-Trichloropropane	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
1,2,4-Trimethylbenzene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
1,3,5-Trimethylbenzene	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
Vinyl chloride	EPA 8260B	5B25039	0.50	ND	1	2/25/2005	2/25/2005	
o-Xylene	EPA 8260B	5B25039	0.50	ND	1	2/25/2005	2/25/2005	
m,p-Xylenes	EPA 8260B	5B25039	1.0	ND	1	2/25/2005	2/25/2005	
Surrogate: Dibromofluoromethane (80-120%)				*112 %*				
Surrogate: Toluene-d8 (80-120%)				*100 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*100 %*				

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1890933.0501
Report Number: IOB1976

Sampled: 02/24/05-02/25/05
Received: 02/25/05

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3520C/8270C MOD)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IOB1976-08 (GW-7-2/24/05 - Water)				**Sampled: 02/24/05**				
Reporting Units: ug/l								
1,4-Dioxane	EPA 8270C MOD	5B25110	2.0	5.0	1.92	2/25/2005	2/28/2005	
Surrogate: 1,4-Dioxane-d8 (35-120%)				*53 %*				
Sample ID: IOB1976-10 (DUP-01-2/24/05 - Water)				**Sampled: 02/24/05**				
Reporting Units: ug/l								
1,4-Dioxane	EPA 8270C MOD	5B25110	2.0	5.1	1.89	2/25/2005	2/28/2005	
Surrogate: 1,4-Dioxane-d8 (35-120%)				*54 %*				
Sample ID: IOB1976-13 (GW10-2/24/05 - Water)				**Sampled: 02/25/05**				
Reporting Units: ug/l								
1,4-Dioxane	EPA 8270C MOD	5B25110	5.0	ND	4.72	2/25/2005	2/28/2005	
Surrogate: 1,4-Dioxane-d8 (35-120%)				*52 %*				*Z3*
Sample ID: IOB1976-15 (GW-15-2/25/05 - Water)				**Sampled: 02/25/05**				
Reporting Units: ug/l								
1,4-Dioxane	EPA 8270C MOD	5B25110	10	16	9.43	2/25/2005	2/28/2005	
Surrogate: 1,4-Dioxane-d8 (35-120%)				*57 %*				*Z3*
mple ID: IOB1976-17 (DUP-03-2/25/05 - Water)				**Sampled: 02/25/05**				
Reporting Units: ug/l								
1,4-Dioxane	EPA 8270C MOD	5B25110	5.0	14	4.72	2/25/2005	2/28/2005	
Surrogate: 1,4-Dioxane-d8 (35-120%)				*54 %*				*Z3*
Sample ID: IOB1976-18 (EB-03-2/25/05-F - Water)				**Sampled: 02/25/05**				**RL-4**
Reporting Units: ug/l								
1,4-Dioxane	EPA 8270C MOD	5B25110	1.1	ND	1.11	2/25/2005	2/28/2005	
Surrogate: 1,4-Dioxane-d8 (35-120%)				*57 %*				
Sample ID: IOB1976-23 (EB-04-2/25/05-F - Water)				**Sampled: 02/25/05**				
Reporting Units: ug/l								
1,4-Dioxane	EPA 8270C MOD	5B25110	1.0	ND	1.05	2/25/2005	2/28/2005	
Surrogate: 1,4-Dioxane-d8 (35-120%)				*61 %*				

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METALS

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IOB1976-01 (GW-14B-2/24/05-F - Water)				**Sampled: 02/24/05**				
Reporting Units: mg/l								
Antimony	EPA 6010B	5B25093	0.010	ND	1	2/25/2005	2/25/2005	
Arsenic	EPA 6010B	5B25093	0.0050	ND	1	2/25/2005	2/25/2005	
Barium	EPA 6010B	5B25093	0.010	**0.48**	1	2/25/2005	2/25/2005	
Beryllium	EPA 6010B	5B25093	0.0040	ND	1	2/25/2005	2/25/2005	
Cadmium	EPA 6010B	5B25093	0.0050	ND	1	2/25/2005	2/25/2005	
Chromium	EPA 6010B	5B25093	0.0050	**0.050**	1	2/25/2005	2/25/2005	
Cobalt	EPA 6010B	5B25093	0.010	ND	1	2/25/2005	2/25/2005	
Copper	EPA 6010B	5B25093	0.010	ND	1	2/25/2005	2/25/2005	
Lead	EPA 6010B	5B25093	0.0050	ND	1	2/25/2005	2/25/2005	
Mercury	EPA 7470A	5B25106	0.00020	ND	1	2/25/2005	2/25/2005	
Molybdenum	EPA 6010B	5B25093	0.020	ND	1	2/25/2005	2/25/2005	
Nickel	EPA 6010B	5B25093	0.010	ND	1	2/25/2005	2/25/2005	
Selenium	EPA 6010B	5B25093	0.0050	ND	1	2/25/2005	2/25/2005	
Silver	EPA 6010B	5B25093	0.010	ND	1	2/25/2005	2/25/2005	
Vanadium	EPA 6010B	5B25093	0.010	ND	1	2/25/2005	2/25/2005	
Zinc	EPA 6010B	5B25093	0.020	**0.12**	1	2/25/2005	2/25/2005	
Sample ID: IOB1976-01 (GW-14B-2/24/05-F - Water)				**Sampled: 02/24/05**				
Reporting Units: ug/l								
Thallium	EPA 6020	5B25114	1.0	ND	1	2/25/2005	2/26/2005	
Sample ID: IOB1976-03 (GW-14B-PC-2/24/05-F - Water)				**Sampled: 02/24/05**				
Reporting Units: mg/l								
Antimony	EPA 6010B	5B25093	0.010	ND	1	2/25/2005	2/25/2005	
Arsenic	EPA 6010B	5B25093	0.0050	ND	1	2/25/2005	2/25/2005	
Barium	EPA 6010B	5B25093	0.010	**0.49**	1	2/25/2005	2/25/2005	
Beryllium	EPA 6010B	5B25093	0.0040	ND	1	2/25/2005	2/25/2005	
Cadmium	EPA 6010B	5B25093	0.0050	ND	1	2/25/2005	2/25/2005	
Chromium	EPA 6010B	5B25093	0.0050	**0.052**	1	2/25/2005	2/25/2005	
Cobalt	EPA 6010B	5B25093	0.010	ND	1	2/25/2005	2/25/2005	
Copper	EPA 6010B	5B25093	0.010	ND	1	2/25/2005	2/25/2005	
Lead	EPA 6010B	5B25093	0.0050	ND	1	2/25/2005	2/25/2005	
Mercury	EPA 7470A	5B25106	0.00020	ND	1	2/25/2005	2/25/2005	
Molybdenum	EPA 6010B	5B25093	0.020	ND	1	2/25/2005	2/25/2005	
Nickel	EPA 6010B	5B25093	0.010	ND	1	2/25/2005	2/25/2005	
Selenium	EPA 6010B	5B25093	0.0050	ND	1	2/25/2005	2/26/2005	
Silver	EPA 6010B	5B25093	0.010	ND	1	2/25/2005	2/25/2005	
Vanadium	EPA 6010B	5B25093	0.010	ND	1	2/25/2005	2/25/2005	
Zinc	EPA 6010B	5B25093	0.020	**0.093**	1	2/25/2005	2/25/2005	
Sample ID: IOB1976-03 (GW-14B-PC-2/24/05-F - Water)				**Sampled: 02/24/05**				
Reporting Units: ug/l								

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Project ID: Honeywell, North Hollywood
1890933.0501
Report Number: IOB1976

Sampled: 02/24/05-02/25/05
Received: 02/25/05

METALS

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IOB1976-03 (GW-14B-PC-2/24/05-F - Water)				**Sampled: 02/24/05**				
Reporting Units: ug/l								
Thallium	EPA 6020	5B25114	1.0	ND	1	2/25/2005	2/26/2005	
Sample ID: IOB1976-05 (GW-14B-PD-2/24/05-F - Water)				**Sampled: 02/24/05**				
Reporting Units: mg/l								
Antimony	EPA 6010B	5B25093	0.010	ND	1	2/25/2005	2/25/2005	
Arsenic	EPA 6010B	5B25093	0.0050	ND	1	2/25/2005	2/25/2005	
Barium	EPA 6010B	5B25093	0.010	**0.60**	1	2/25/2005	2/25/2005	
Beryllium	EPA 6010B	5B25093	0.0040	ND	1	2/25/2005	2/25/2005	
Cadmium	EPA 6010B	5B25093	0.0050	ND	1	2/25/2005	2/25/2005	
Chromium	EPA 6010B	5B25093	0.0050	**0.049**	1	2/25/2005	2/25/2005	
Cobalt	EPA 6010B	5B25093	0.010	ND	1	2/25/2005	2/25/2005	
Copper	EPA 6010B	5B25093	0.010	ND	1	2/25/2005	2/25/2005	
Lead	EPA 6010B	5B25093	0.0050	ND	1	2/25/2005	2/25/2005	
Mercury	EPA 7470A	5B25106	0.00020	ND	1	2/25/2005	2/25/2005	
Molybdenum	EPA 6010B	5B25093	0.020	ND	1	2/25/2005	2/25/2005	
Nickel	EPA 6010B	5B25093	0.010	ND	1	2/25/2005	2/25/2005	
nium	EPA 6010B	5B25093	0.0050	ND	1	2/25/2005	2/25/2005	
ver	EPA 6010B	5B25093	0.010	ND	1	2/25/2005	2/25/2005	
Vanadium	EPA 6010B	5B25093	0.010	ND	1	2/25/2005	2/25/2005	
Zinc	EPA 6010B	5B25093	0.020	**0.13**	1	2/25/2005	2/25/2005	
Sample ID: IOB1976-05 (GW-14B-PD-2/24/05-F - Water)				**Sampled: 02/24/05**				
Reporting Units: ug/l								
Thallium	EPA 6020	5B25114	1.0	ND	1	2/25/2005	2/26/2005	
Sample ID: IOB1976-07 (GW-7-2/24/05-F - Water)				**Sampled: 02/24/05**				
Reporting Units: mg/l								
Antimony	EPA 6010B	5B25093	0.010	ND	1	2/25/2005	2/25/2005	
Arsenic	EPA 6010B	5B25093	0.0050	**0.0082**	1	2/25/2005	2/25/2005	
Barium	EPA 6010B	5B25093	0.010	**0.26**	1	2/25/2005	2/25/2005	
Beryllium	EPA 6010B	5B25093	0.0040	ND	1	2/25/2005	2/25/2005	
Cadmium	EPA 6010B	5B25093	0.0050	ND	1	2/25/2005	2/25/2005	
Chromium	EPA 6010B	5B25093	0.0050	**0.14**	1	2/25/2005	2/25/2005	
Cobalt	EPA 6010B	5B25093	0.010	ND	1	2/25/2005	2/25/2005	
Copper	EPA 6010B	5B25093	0.010	ND	1	2/25/2005	2/25/2005	
Lead	EPA 6010B	5B25093	0.0050	ND	1	2/25/2005	2/25/2005	
Mercury	EPA 7470A	5B25106	0.00020	ND	1	2/25/2005	2/25/2005	
Molybdenum	EPA 6010B	5B25093	0.020	ND	1	2/25/2005	2/25/2005	
Nickel	EPA 6010B	5B25093	0.010	ND	1	2/25/2005	2/25/2005	
Selenium	EPA 6010B	5B25093	0.0050	ND	1	2/25/2005	2/25/2005	
Silver	EPA 6010B	5B25093	0.010	ND	1	2/25/2005	2/25/2005	
Vanadium	EPA 6010B	5B25093	0.010	ND	1	2/25/2005	2/25/2005	

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Project ID: Honeywell, North Hollywood
1890933.0501
Report Number: IOB1976

Sampled: 02/24/05-02/25/05
Received: 02/25/05

METALS

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IOB1976-07 (GW-7-2/24/05-F - Water) - cont.				**Sampled: 02/24/05**				
Reporting Units: mg/l								
Zinc	EPA 6010B	5B25093	0.020	0.023	1	2/25/2005	2/25/2005	
Sample ID: IOB1976-07 (GW-7-2/24/05-F - Water)				**Sampled: 02/24/05**				
Reporting Units: ug/l								
Thallium	EPA 6020	5B25114	1.0	ND	1	2/25/2005	2/26/2005	
Sample ID: IOB1976-09 (DUP-01-2/24/05-F - Water)				**Sampled: 02/24/05**				
Reporting Units: mg/l								
Antimony	EPA 6010B	5B25093	0.010	ND	1	2/25/2005	2/25/2005	
Arsenic	EPA 6010B	5B25093	0.0050	ND	1	2/25/2005	2/25/2005	
Barium	EPA 6010B	5B25093	0.010	0.39	1	2/25/2005	2/25/2005	
Beryllium	EPA 6010B	5B25093	0.0040	ND	1	2/25/2005	2/25/2005	
Cadmium	EPA 6010B	5B25093	0.0050	ND	1	2/25/2005	2/25/2005	
Chromium	EPA 6010B	5B25093	0.0050	0.14	1	2/25/2005	2/25/2005	
Cobalt	EPA 6010B	5B25093	0.010	ND	1	2/25/2005	2/25/2005	
Copper	EPA 6010B	5B25093	0.010	ND	1	2/25/2005	2/25/2005	
Lead	EPA 6010B	5B25093	0.0050	ND	1	2/25/2005	2/25/2005	
Mercury	EPA 7470A	5B25106	0.00020	ND	1	2/25/2005	2/25/2005	
Molybdenum	EPA 6010B	5B25093	0.020	ND	1	2/25/2005	2/25/2005	
Nickel	EPA 6010B	5B25093	0.010	ND	1	2/25/2005	2/25/2005	
Selenium	EPA 6010B	5B25093	0.0050	ND	1	2/25/2005	2/25/2005	
Silver	EPA 6010B	5B25093	0.010	ND	1	2/25/2005	2/25/2005	
Vanadium	EPA 6010B	5B25093	0.010	ND	1	2/25/2005	2/25/2005	
Zinc	EPA 6010B	5B25093	0.020	0.14	1	2/25/2005	2/25/2005	
Sample ID: IOB1976-09 (DUP-01-2/24/05-F - Water)				**Sampled: 02/24/05**				
Reporting Units: ug/l								
Thallium	EPA 6020	5B25114	1.0	ND	1	2/25/2005	2/26/2005	

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Received: 02/25/05

METALS

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IOB1976-12 (GW-10-2/24/05-F - Water)				**Sampled: 02/25/05**				
Reporting Units: mg/l								
Antimony	EPA 6010B	5B25093	0.010	ND	1	2/25/2005	2/25/2005	
Arsenic	EPA 6010B	5B25093	0.0050	ND	1	2/25/2005	2/25/2005	
Barium	EPA 6010B	5B25093	0.010	**0.26**	1	2/25/2005	2/25/2005	
Beryllium	EPA 6010B	5B25093	0.0040	ND	1	2/25/2005	2/25/2005	
Cadmium	EPA 6010B	5B25093	0.0050	ND	1	2/25/2005	2/25/2005	
Chromium	EPA 6010B	5B25093	0.0050	**0.20**	1	2/25/2005	2/25/2005	
Cobalt	EPA 6010B	5B25093	0.010	ND	1	2/25/2005	2/25/2005	
Copper	EPA 6010B	5B25093	0.010	ND	1	2/25/2005	2/25/2005	
Lead	EPA 6010B	5B25093	0.0050	ND	1	2/25/2005	2/25/2005	
Mercury	EPA 7470A	5B25106	0.00020	ND	1	2/25/2005	2/25/2005	
Molybdenum	EPA 6010B	5B25093	0.020	ND	1	2/25/2005	2/25/2005	
Nickel	EPA 6010B	5B25093	0.010	ND	1	2/25/2005	2/25/2005	
Selenium	EPA 6010B	5B25093	0.0050	ND	1	2/25/2005	2/26/2005	
Silver	EPA 6010B	5B25093	0.010	ND	1	2/25/2005	2/25/2005	
Vanadium	EPA 6010B	5B25093	0.010	ND	1	2/25/2005	2/25/2005	
Zinc	EPA 6010B	5B25093	0.020	**0.024**	1	2/25/2005	2/25/2005	
Sample ID: IOB1976-12 (GW-10-2/24/05-F - Water)				**Sampled: 02/25/05**				
Reporting Units: ug/l								
Thallium	EPA 6020	5B25114	1.0	ND	1	2/25/2005	2/26/2005	
Sample ID: IOB1976-14 (GW-15-2/25/05-F - Water)				**Sampled: 02/25/05**				
Reporting Units: mg/l								
Antimony	EPA 6010B	5B25093	0.010	ND	1	2/25/2005	2/25/2005	
Arsenic	EPA 6010B	5B25093	0.0050	**0.0066**	1	2/25/2005	2/25/2005	
Barium	EPA 6010B	5B25093	0.010	**0.26**	1	2/25/2005	2/25/2005	
Beryllium	EPA 6010B	5B25093	0.0040	ND	1	2/25/2005	2/25/2005	
Cadmium	EPA 6010B	5B25093	0.0050	ND	1	2/25/2005	2/25/2005	
Chromium	EPA 6010B	5B25093	0.0050	**7.0**	1	2/25/2005	2/25/2005	
Cobalt	EPA 6010B	5B25093	0.010	ND	1	2/25/2005	2/25/2005	
Copper	EPA 6010B	5B25093	0.010	ND	1	2/25/2005	2/25/2005	
Lead	EPA 6010B	5B25093	0.0050	ND	1	2/25/2005	2/25/2005	
Mercury	EPA 7470A	5B25106	0.00020	ND	1	2/25/2005	2/25/2005	
Molybdenum	EPA 6010B	5B25093	0.020	ND	1	2/25/2005	2/25/2005	
Nickel	EPA 6010B	5B25093	0.010	ND	1	2/25/2005	2/25/2005	
Selenium	EPA 6010B	5B25093	0.0050	ND	1	2/25/2005	2/25/2005	
Silver	EPA 6010B	5B25093	0.010	ND	1	2/25/2005	2/25/2005	
Vanadium	EPA 6010B	5B25093	0.010	ND	1	2/25/2005	2/25/2005	
Zinc	EPA 6010B	5B25093	0.020	**0.038**	1	2/25/2005	2/25/2005	
Sample ID: IOB1976-14 (GW-15-2/25/05-F - Water)				**Sampled: 02/25/05**				
Reporting Units: ug/l								

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Project ID: Honeywell, North Hollywood
1890933.0501
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Sampled: 02/24/05-02/25/05
Received: 02/25/05

METALS

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IOB1976-14 (GW-15-2/25/05-F - Water)				**Sampled: 02/25/05**				
Reporting Units: ug/l								
Thallium	EPA 6020	5B25114	1.0	ND	1	2/25/2005	2/26/2005	
Sample ID: IOB1976-16 (DUP-03-2/25/05-F - Water)				**Sampled: 02/25/05**				
Reporting Units: mg/l								
Antimony	EPA 6010B	5B25093	0.010	ND	1	2/25/2005	2/25/2005	
Arsenic	EPA 6010B	5B25093	0.0050	ND	1	2/25/2005	2/25/2005	
Barium	EPA 6010B	5B25093	0.010	**0.18**	1	2/25/2005	2/25/2005	
Beryllium	EPA 6010B	5B25093	0.0040	ND	1	2/25/2005	2/25/2005	
Cadmium	EPA 6010B	5B25093	0.0050	ND	1	2/25/2005	2/25/2005	
Chromium	EPA 6010B	5B25093	0.0050	**6.7**	1	2/25/2005	2/25/2005	
Cobalt	EPA 6010B	5B25093	0.010	ND	1	2/25/2005	2/25/2005	
Copper	EPA 6010B	5B25093	0.010	ND	1	2/25/2005	2/25/2005	
Lead	EPA 6010B	5B25093	0.0050	ND	1	2/25/2005	2/25/2005	
Mercury	EPA 7470A	5B25106	0.00020	ND	1	2/25/2005	2/25/2005	
Molybdenum	EPA 6010B	5B25093	0.020	ND	1	2/25/2005	2/25/2005	
Nickel	EPA 6010B	5B25093	0.010	ND	1	2/25/2005	2/25/2005	
Selenium	EPA 6010B	5B25093	0.0050	ND	1	2/25/2005	2/25/2005	
Silver	EPA 6010B	5B25093	0.010	ND	1	2/25/2005	2/25/2005	
Vanadium	EPA 6010B	5B25093	0.010	ND	1	2/25/2005	2/25/2005	
Zinc	EPA 6010B	5B25093	0.020	ND	1	2/25/2005	2/25/2005	
Sample ID: IOB1976-16 (DUP-03-2/25/05-F - Water)				**Sampled: 02/25/05**				
Reporting Units: ug/l								
Thallium	EPA 6020	5B25114	1.0	ND	1	2/25/2005	2/26/2005	
Sample ID: IOB1976-18 (EB-03-2/25/05-F - Water)				**Sampled: 02/25/05**				
Reporting Units: mg/l								
Antimony	EPA 6010B	5B25093	0.010	ND	1	2/25/2005	2/25/2005	
Arsenic	EPA 6010B	5B25093	0.0050	ND	1	2/25/2005	2/25/2005	
Barium	EPA 6010B	5B25093	0.010	ND	1	2/25/2005	2/25/2005	
Beryllium	EPA 6010B	5B25093	0.0040	ND	1	2/25/2005	2/25/2005	
Cadmium	EPA 6010B	5B25093	0.0050	ND	1	2/25/2005	2/25/2005	
Chromium	EPA 6010B	5B25093	0.0050	ND	1	2/25/2005	2/25/2005	
Cobalt	EPA 6010B	5B25093	0.010	ND	1	2/25/2005	2/25/2005	
Copper	EPA 6010B	5B25093	0.010	ND	1	2/25/2005	2/25/2005	
Lead	EPA 6010B	5B25093	0.0050	ND	1	2/25/2005	2/25/2005	
Mercury	EPA 7470A	5B25106	0.00020	ND	1	2/25/2005	2/25/2005	
Molybdenum	EPA 6010B	5B25093	0.020	ND	1	2/25/2005	2/25/2005	
Nickel	EPA 6010B	5B25093	0.010	ND	1	2/25/2005	2/25/2005	
Selenium	EPA 6010B	5B25093	0.0050	ND	1	2/25/2005	2/25/2005	
Silver	EPA 6010B	5B25093	0.010	ND	1	2/25/2005	2/25/2005	
Vanadium	EPA 6010B	5B25093	0.010	ND	1	2/25/2005	2/25/2005	

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Project ID: Honeywell, North Hollywood
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Sampled: 02/24/05-02/25/05
Received: 02/25/05

METALS

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IOB1976-18 (EB-03-2/25/05-F - Water) - cont.				**Sampled: 02/25/05**				
Reporting Units: mg/l								
Zinc	EPA 6010B	5B25093	0.020	ND	1	2/25/2005	2/25/2005	
Sample ID: IOB1976-18 (EB-03-2/25/05-F - Water)				**Sampled: 02/25/05**				
Reporting Units: ug/l								
Thallium	EPA 6020	5B25114	1.0	ND	1	2/25/2005	2/26/2005	
Sample ID: IOB1976-19 (GW-5-2/25/05-F - Water)				**Sampled: 02/25/05**				
Reporting Units: mg/l								
Antimony	EPA 6010B	5B25093	0.010	ND	1	2/25/2005	2/25/2005	
Arsenic	EPA 6010B	5B25093	0.0050	0.0069	1	2/25/2005	2/25/2005	
Barium	EPA 6010B	5B25093	0.010	0.35	1	2/25/2005	2/25/2005	
Beryllium	EPA 6010B	5B25093	0.0040	ND	1	2/25/2005	2/25/2005	
Cadmium	EPA 6010B	5B25093	0.0050	ND	1	2/25/2005	2/25/2005	
Chromium	EPA 6010B	5B25093	0.0050	ND	1	2/25/2005	2/25/2005	
Cobalt	EPA 6010B	5B25093	0.010	ND	1	2/25/2005	2/25/2005	
Copper	EPA 6010B	5B25093	0.010	ND	1	2/25/2005	2/25/2005	
Lead	EPA 6010B	5B25093	0.0050	ND	1	2/25/2005	2/25/2005	
Mercury	EPA 7470A	5B25106	0.00020	ND	1	2/25/2005	2/25/2005	
Molybdenum	EPA 6010B	5B25093	0.020	ND	1	2/25/2005	2/25/2005	
Nickel	EPA 6010B	5B25093	0.010	ND	1	2/25/2005	2/25/2005	
Selenium	EPA 6010B	5B25093	0.0050	ND	1	2/25/2005	2/25/2005	
Silver	EPA 6010B	5B25093	0.010	ND	1	2/25/2005	2/25/2005	
Vanadium	EPA 6010B	5B25093	0.010	ND	1	2/25/2005	2/25/2005	
Zinc	EPA 6010B	5B25093	0.020	0.17	1	2/25/2005	2/25/2005	
Sample ID: IOB1976-19 (GW-5-2/25/05-F - Water)				**Sampled: 02/25/05**				
Reporting Units: ug/l								
Thallium	EPA 6020	5B25114	1.0	ND	1	2/25/2005	2/26/2005	

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MWH Americas - Brea
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Brea, CA 92821
Attention: Lisa Hall

Project ID: Honeywell, North Hollywood
1890933.0501
Report Number: IOB1976

Sampled: 02/24/05-02/25/05
Received: 02/25/05

METALS

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IOB1976-21 (GW-4-2/25/05-F - Water)				**Sampled: 02/25/05**				
Reporting Units: mg/l								
Antimony	EPA 6010B	5B25093	0.010	ND	1	2/25/2005	2/25/2005	
Arsenic	EPA 6010B	5B25093	0.0050	ND	1	2/25/2005	2/25/2005	
Barium	EPA 6010B	5B25093	0.010	**0.51**	1	2/25/2005	2/25/2005	
Beryllium	EPA 6010B	5B25093	0.0040	ND	1	2/25/2005	2/25/2005	
Cadmium	EPA 6010B	5B25093	0.0050	ND	1	2/25/2005	2/25/2005	
Chromium	EPA 6010B	5B25093	0.0050	ND	1	2/25/2005	2/25/2005	
Cobalt	EPA 6010B	5B25093	0.010	ND	1	2/25/2005	2/25/2005	
Copper	EPA 6010B	5B25093	0.010	ND	1	2/25/2005	2/25/2005	
Lead	EPA 6010B	5B25093	0.0050	ND	1	2/25/2005	2/25/2005	
Mercury	EPA 7470A	5B25106	0.00020	ND	1	2/25/2005	2/25/2005	
Molybdenum	EPA 6010B	5B25093	0.020	ND	1	2/25/2005	2/25/2005	
Nickel	EPA 6010B	5B25093	0.010	ND	1	2/25/2005	2/25/2005	
Selenium	EPA 6010B	5B25093	0.0050	ND	1	2/25/2005	2/25/2005	
Silver	EPA 6010B	5B25093	0.010	ND	1	2/25/2005	2/25/2005	
Vanadium	EPA 6010B	5B25093	0.010	ND	1	2/25/2005	2/25/2005	
Zinc	EPA 6010B	5B25093	0.020	**0.10**	1	2/25/2005	2/25/2005	
Sample ID: IOB1976-21 (GW-4-2/25/05-F - Water)				**Sampled: 02/25/05**				
Reporting Units: ug/l								
Thallium	EPA 6020	5B25114	1.0	ND	1	2/25/2005	2/26/2005	
Sample ID: IOB1976-23 (EB-04-2/25/05-F - Water)				**Sampled: 02/25/05**				
Reporting Units: mg/l								
Antimony	EPA 6010B	5B25093	0.010	ND	1	2/25/2005	2/25/2005	
Arsenic	EPA 6010B	5B25093	0.0050	ND	1	2/25/2005	2/25/2005	
Barium	EPA 6010B	5B25093	0.010	ND	1	2/25/2005	2/25/2005	
Beryllium	EPA 6010B	5B25093	0.0040	ND	1	2/25/2005	2/25/2005	
Cadmium	EPA 6010B	5B25093	0.0050	ND	1	2/25/2005	2/25/2005	
Chromium	EPA 6010B	5B25093	0.0050	ND	1	2/25/2005	2/25/2005	
Cobalt	EPA 6010B	5B25093	0.010	ND	1	2/25/2005	2/25/2005	
Copper	EPA 6010B	5B25093	0.010	ND	1	2/25/2005	2/25/2005	
Lead	EPA 6010B	5B25093	0.0050	ND	1	2/25/2005	2/25/2005	
Mercury	EPA 7470A	5B25106	0.00020	ND	1	2/25/2005	2/25/2005	
Molybdenum	EPA 6010B	5B25093	0.020	ND	1	2/25/2005	2/25/2005	
Nickel	EPA 6010B	5B25093	0.010	ND	1	2/25/2005	2/25/2005	
Selenium	EPA 6010B	5B25093	0.010	ND	1	2/25/2005	2/28/2005	
Silver	EPA 6010B	5B25093	0.010	ND	1	2/25/2005	2/25/2005	
Vanadium	EPA 6010B	5B25093	0.010	ND	1	2/25/2005	2/25/2005	
Zinc	EPA 6010B	5B25093	0.020	ND	1	2/25/2005	2/25/2005	
Sample ID: IOB1976-23 (EB-04-2/25/05-F - Water)				**Sampled: 02/25/05**				
Reporting Units: ug/l								

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Attention: Lisa Hall

Project ID: Honeywell, North Hollywood
1890933.0501
Report Number: IOB1976

Sampled: 02/24/05-02/25/05
Received: 02/25/05

METALS

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IOB1976-23 (EB-04-2/25/05-F - Water)				**Sampled: 02/25/05**				
Reporting Units: ug/l								
Thallium	EPA 6020	5B25114	1.0	ND	1	2/25/2005	2/26/2005	

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Attention: Lisa Hall

Project ID: Honeywell, North Hollywood
1890933.0501
Report Number: IOB1976

Sampled: 02/24/05-02/25/05
Received: 02/25/05

INORGANICS

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IOB1976-02 (GW-14B-2/24/05 - Water)				**Sampled: 02/24/05**				
Reporting Units: mg/l								
Chromium VI	EPA 7199	5B25084	0.0020	**0.045**	2	2/25/2005	2/25/2005	
Sample ID: IOB1976-04 (GW-14B-PC-2/24/05 - Water)				**Sampled: 02/24/05**				
Reporting Units: mg/l								
Chromium VI	EPA 7199	5B25084	0.0020	**0.045**	2	2/25/2005	2/25/2005	
Sample ID: IOB1976-06 (GW-14B-PD-2/24/05 - Water)				**Sampled: 02/24/05**				
Reporting Units: mg/l								
Chromium VI	EPA 7199	5B25084	0.0020	**0.045**	2	2/25/2005	2/25/2005	
Sample ID: IOB1976-08 (GW-7-2/24/05 - Water)				**Sampled: 02/24/05**				
Reporting Units: mg/l								
Chromium VI	EPA 7199	5B25084	0.0020	**0.091**	2	2/25/2005	2/25/2005	
Sample ID: IOB1976-08 (GW-7-2/24/05 - Water)				**Sampled: 02/24/05**				
Reporting Units: ug/l								
Perchlorate	EPA 314.0	5B25064	2.0	ND	1	2/25/2005	2/25/2005	
Sample ID: IOB1976-10 (DUP-01-2/24/05 - Water)				**Sampled: 02/24/05**				
Reporting Units: mg/l								
Chromium VI	EPA 7199	5B25084	0.0020	**0.13**	2	2/25/2005	2/25/2005	
Sample ID: IOB1976-10 (DUP-01-2/24/05 - Water)				**Sampled: 02/24/05**				
Reporting Units: ug/l								
Perchlorate	EPA 314.0	5B25064	2.0	ND	1	2/25/2005	2/25/2005	
Sample ID: IOB1976-13 (GW10-2/24/05 - Water)				**Sampled: 02/25/05**				
Reporting Units: mg/l								
Chromium VI	EPA 7199	5B25084	0.0050	**0.17**	5	2/25/2005	2/25/2005	
Sample ID: IOB1976-13 (GW10-2/24/05 - Water)				**Sampled: 02/25/05**				
Reporting Units: ug/l								
Perchlorate	EPA 314.0	5B25064	2.0	ND	1	2/25/2005	2/25/2005	
Sample ID: IOB1976-15 (GW-15-2/25/05 - Water)				**Sampled: 02/25/05**				
Reporting Units: mg/l								
Chromium VI	EPA 7199	5B25084	0.20	**6.4**	200	2/25/2005	2/25/2005	
Sample ID: IOB1976-15 (GW-15-2/25/05 - Water)				**Sampled: 02/25/05**				
Reporting Units: ug/l								
Perchlorate	EPA 314.0	5B25064	2.0	**8.8**	1	2/25/2005	2/26/2005	

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Attention: Lisa Hall

Project ID: Honeywell, North Hollywood
1890933.0501
Report Number: IOB1976

Sampled: 02/24/05-02/25/05
Received: 02/25/05

INORGANICS

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IOB1976-17 (DUP-03-2/25/05 - Water)				**Sampled: 02/25/05**				
Reporting Units: mg/l								
Chromium VI	EPA 7199	5B25084	0.20	6.5	200	2/25/2005	2/25/2005	
Sample ID: IOB1976-17 (DUP-03-2/25/05 - Water)				**Sampled: 02/25/05**				
Reporting Units: ug/l								
Perchlorate	EPA 314.0	5B25064	2.0	8.9	1	2/25/2005	2/26/2005	
Sample ID: IOB1976-18 (EB-03-2/25/05-F - Water)				**Sampled: 02/25/05**				
Reporting Units: mg/l								
Chromium VI	EPA 7199	5B25084	0.0010	ND	1	2/25/2005	2/25/2005	
Sample ID: IOB1976-18 (EB-03-2/25/05-F - Water)				**Sampled: 02/25/05**				
Reporting Units: ug/l								
Perchlorate	EPA 314.0	5B25064	2.0	ND	1	2/25/2005	2/26/2005	
Sample ID: IOB1976-20 (GW-5-2/25/05 - Water)				**Sampled: 02/25/05**				
Reporting Units: mg/l								
Chromium VI	EPA 7199	5B25084	0.0010	ND	1	2/25/2005	2/25/2005	
Sample ID: IOB1976-22 (GW-4-2/25/05 - Water)				**Sampled: 02/25/05**				
Reporting Units: mg/l								
Chromium VI	EPA 7199	5B25084	0.0010	**0.0012**	1	2/25/2005	2/25/2005	
Sample ID: IOB1976-23 (EB-04-2/25/05-F - Water)				**Sampled: 02/25/05**				
Reporting Units: mg/l								
Chromium VI	EPA 7199	5B25084	0.0010	ND	1	2/25/2005	2/25/2005	
Sample ID: IOB1976-23 (EB-04-2/25/05-F - Water)				**Sampled: 02/25/05**				
Reporting Units: ug/l								
Perchlorate	EPA 314.0	5B25064	2.0	ND	1	2/25/2005	2/26/2005	

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Attention: Lisa Hall

Project ID: Honeywell, North Hollywood
1890933.0501
Report Number: IOB1976

Sampled: 02/24/05-02/25/05
Received: 02/25/05

SHORT HOLD TIME DETAIL REPORT

	Hold Time (in days)	Date/Time Sampled	Date/Time Received	Date/Time Extracted	Date/Time Analyzed
Sample ID: GW-14B-2/24/05 (IOB1976-02) - Water					
EPA 7199	1	02/24/2005 18:10	02/25/2005 11:25	02/25/2005 14:00	02/25/2005 14:01
Sample ID: GW-14B-PC-2/24/05 (IOB1976-04) - Water					
EPA 7199	1	02/24/2005 19:05	02/25/2005 11:25	02/25/2005 14:00	02/25/2005 14:11
Sample ID: GW-14B-PD-2/24/05 (IOB1976-06) - Water					
EPA 7199	1	02/24/2005 20:50	02/25/2005 11:25	02/25/2005 14:00	02/25/2005 14:21
Sample ID: GW-7-2/24/05 (IOB1976-08) - Water					
EPA 7199	1	02/24/2005 22:30	02/25/2005 11:25	02/25/2005 14:00	02/25/2005 14:31
Sample ID: DUP-01-2/24/05 (IOB1976-10) - Water					
EPA 7199	1	02/24/2005 17:00	02/25/2005 11:25	02/25/2005 14:00	02/25/2005 14:41
Sample ID: GW10-2/24/05 (IOB1976-13) - Water					
EPA 7199	1	02/25/2005 00:10	02/25/2005 11:25	02/25/2005 14:00	02/25/2005 14:51
Sample ID: GW-15-2/25/05 (IOB1976-15) - Water					
EPA 7199	1	02/25/2005 01:30	02/25/2005 11:25	02/25/2005 14:00	02/25/2005 15:21
Sample ID: DUP-03-2/25/05 (IOB1976-17) - Water					
EPA 7199	1	02/25/2005 10:15	02/25/2005 11:25	02/25/2005 14:00	02/25/2005 15:32
Sample ID: EB-03-2/25/05-F (IOB1976-18) - Water					
EPA 7199	1	02/25/2005 01:50	02/25/2005 11:25	02/25/2005 14:00	02/25/2005 16:02
Sample ID: GW-5-2/25/05 (IOB1976-20) - Water					
EPA 7199	1	02/25/2005 03:10	02/25/2005 11:25	02/25/2005 14:00	02/25/2005 16:12
Sample ID: GW-4-2/25/05 (IOB1976-22) - Water					
EPA 7199	1	02/25/2005 05:10	02/25/2005 11:25	02/25/2005 14:00	02/25/2005 16:22
Sample ID: EB-04-2/25/05-F (IOB1976-23) - Water					
EPA 7199	1	02/25/2005 05:40	02/25/2005 11:25	02/25/2005 14:00	02/25/2005 16:32

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Attention: Lisa Hall

Project ID: Honeywell, North Hollywood
1890933.0501
Report Number: IOB1976

Sampled: 02/24/05-02/25/05
Received: 02/25/05

METHOD BLANK QC DATA

VOLATILE ORGANICS with MTBE by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 5B25039 Extracted: 02/25/05										
Blank Analyzed: 02/25/2005 (5B25039-BLK1)										
Benzene	ND	0.50	ug/l							
Bromobenzene	ND	1.0	ug/l							
Bromochloromethane	ND	1.0	ug/l							
Bromodichloromethane	ND	1.0	ug/l							
Bromoform	ND	1.0	ug/l							
Bromomethane	ND	1.0	ug/l							
n-Butylbenzene	ND	1.0	ug/l							
sec-Butylbenzene	ND	1.0	ug/l							
tert-Butylbenzene	ND	1.0	ug/l							
Carbon tetrachloride	ND	0.50	ug/l							
Chlorobenzene	ND	1.0	ug/l							
Chloroethane	ND	1.0	ug/l							
Chloroform	ND	1.0	ug/l							
Chloromethane	ND	1.0	ug/l							
2-Chlorotoluene	ND	1.0	ug/l							
4-Chlorotoluene	ND	1.0	ug/l							
Dibromochloromethane	ND	1.0	ug/l							
1,2-Dibromo-3-chloropropane	ND	5.0	ug/l							
1,2-Dibromoethane (EDB)	ND	1.0	ug/l							
Dibromomethane	ND	1.0	ug/l							
1,2-Dichlorobenzene	ND	1.0	ug/l							
1,3-Dichlorobenzene	ND	1.0	ug/l							
1,4-Dichlorobenzene	ND	1.0	ug/l							
Dichlorodifluoromethane	ND	2.0	ug/l							
1,1-Dichloroethane	ND	1.0	ug/l							
1,2-Dichloroethane	ND	0.50	ug/l							
1,1-Dichloroethene	ND	1.0	ug/l							
cis-1,2-Dichloroethene	ND	1.0	ug/l							
trans-1,2-Dichloroethene	ND	1.0	ug/l							
1,2-Dichloropropane	ND	1.0	ug/l							
1,3-Dichloropropane	ND	1.0	ug/l							
2,2-Dichloropropane	ND	1.0	ug/l							
1,1-Dichloropropene	ND	1.0	ug/l							
cis-1,3-Dichloropropene	ND	0.50	ug/l							
trans-1,3-Dichloropropene	ND	0.50	ug/l							

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1890933.0501
Report Number: IOB1976

Sampled: 02/24/05-02/25/05
Received: 02/25/05

METHOD BLANK/QC DATA

VOLATILE ORGANICS with MTBE by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 5B25039 Extracted: 02/25/05										
Blank Analyzed: 02/25/2005 (5B25039-BLK1)										
Ethylbenzene	ND	0.50	ug/l							
Hexachlorobutadiene	ND	1.0	ug/l							
Isopropylbenzene	ND	1.0	ug/l							
p-Isopropyltoluene	ND	1.0	ug/l							
Methylene chloride	ND	5.0	ug/l							
Methyl-tert-butyl Ether (MTBE)	ND	1.0	ug/l							
Naphthalene	ND	1.0	ug/l							
n-Propylbenzene	ND	1.0	ug/l							
Styrene	ND	1.0	ug/l							
1,1,1,2-Tetrachloroethane	ND	1.0	ug/l							
1,1,2,2-Tetrachloroethane	ND	1.0	ug/l							
Tetrachloroethene	ND	1.0	ug/l							
Toluene	ND	0.50	ug/l							
1,2,3-Trichlorobenzene	ND	1.0	ug/l							
1,2,4-Trichlorobenzene	ND	1.0	ug/l							
1,1,1-Trichloroethane	ND	1.0	ug/l							
1,1,2-Trichloroethane	ND	1.0	ug/l							
Trichloroethene	ND	1.0	ug/l							
Trichlorofluoromethane	ND	1.0	ug/l							
1,2,3-Trichloropropane	ND	1.0	ug/l							
1,2,4-Trimethylbenzene	ND	1.0	ug/l							
1,3,5-Trimethylbenzene	ND	1.0	ug/l							
Vinyl chloride	ND	0.50	ug/l							
o-Xylene	ND	0.50	ug/l							
m,p-Xylenes	ND	1.0	ug/l							
Surrogate: Dibromofluoromethane	*27.8*		*ug/l*	*25.0*		*111*	*80-120*			
Surrogate: Toluene-d8	*24.8*		*ug/l*	*25.0*		*99*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*24.8*		*ug/l*	*25.0*		*99*	*80-120*			

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Chris Roberts
Project Manager

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MWH Americas - Brea
3050 Saturn Ave., Suite 205
Brea, CA 92821
Attention: Lisa Hall

Project ID: Honeywell, North Hollywood
1890933.0501
Report Number: IOB1976

Sampled: 02/24/05-02/25/05
Received: 02/25/05

METHOD BLANK/QC DATA

VOLATILE ORGANICS with MTBE by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 5B25039 Extracted: 02/25/05										
LCS Analyzed: 02/25/2005 (5B25039-BS1)										
Benzene	28.8	0.50	ug/l	25.0		115	70-120			
Bromobenzene	24.6	1.0	ug/l	25.0		98	80-120			
Bromochloromethane	29.8	1.0	ug/l	25.0		119	65-135			
Bromodichloromethane	28.1	1.0	ug/l	25.0		112	70-140			
Bromoform	22.1	1.0	ug/l	25.0		88	55-135			
Bromomethane	29.0	1.0	ug/l	25.0		116	60-140			
n-Butylbenzene	27.3	1.0	ug/l	25.0		109	75-130			
sec-Butylbenzene	25.4	1.0	ug/l	25.0		102	75-125			
tert-Butylbenzene	24.5	1.0	ug/l	25.0		98	75-125			
Carbon tetrachloride	27.0	0.50	ug/l	25.0		108	70-140			
Chlorobenzene	26.2	1.0	ug/l	25.0		105	80-125			
Chloroethane	28.8	1.0	ug/l	25.0		115	60-145			
Chloroform	31.4	1.0	ug/l	25.0		126	75-130			
Chloromethane	27.0	1.0	ug/l	25.0		108	40-145			
2-Chlorotoluene	24.7	1.0	ug/l	25.0		99	75-125			
4-Chlorotoluene	25.3	1.0	ug/l	25.0		101	75-125			
Dibromochloromethane	26.9	1.0	ug/l	25.0		108	65-145			
1,2-Dibromo-3-chloropropane	25.7	5.0	ug/l	25.0		103	50-135			
1,2-Dibromoethane (EDB)	27.9	1.0	ug/l	25.0		112	75-125			
Dibromomethane	29.2	1.0	ug/l	25.0		117	75-130			
1,2-Dichlorobenzene	25.4	1.0	ug/l	25.0		102	80-120			
1,3-Dichlorobenzene	25.1	1.0	ug/l	25.0		100	80-120			
1,4-Dichlorobenzene	24.8	1.0	ug/l	25.0		99	80-120			
Dichlorodifluoromethane	26.4	2.0	ug/l	25.0		106	10-160			
1,1-Dichloroethane	30.1	1.0	ug/l	25.0		120	70-135			
1,2-Dichloroethane	30.0	0.50	ug/l	25.0		120	60-150			
1,1-Dichloroethene	29.4	1.0	ug/l	25.0		118	75-135			
cis-1,2-Dichloroethene	29.8	1.0	ug/l	25.0		119	70-125			
trans-1,2-Dichloroethene	30.5	1.0	ug/l	25.0		122	70-130			
1,2-Dichloropropane	28.5	1.0	ug/l	25.0		114	70-120			
1,3-Dichloropropane	28.0	1.0	ug/l	25.0		112	70-130			
2,2-Dichloropropane	30.8	1.0	ug/l	25.0		123	65-150			
1,1-Dichloropropene	28.7	1.0	ug/l	25.0		115	75-130			
cis-1,3-Dichloropropene	29.8	0.50	ug/l	25.0		119	75-130			
trans-1,3-Dichloropropene	30.1	0.50	ug/l	25.0		120	75-135			

Del Mar Analytical, Irvine
Iris Roberts
Project Manager

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MWH Americas - Brea 3050 Saturn Ave., Suite 205 Brea, CA 92821 Attention: Lisa Hall	Project ID: Honeywell, North Hollywood 1890933.0501 Report Number: IOB1976	Sampled: 02/24/05-02/25/05 Received: 02/25/05

METHOD BLANK/QC DATA

VOLATILE ORGANICS with MTBE by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 5B25039 Extracted: 02/25/05										
LCS Analyzed: 02/25/2005 (5B25039-BS1)										
Ethylbenzene	27.4	0.50	ug/l	25.0		110	80-120			
Hexachlorobutadiene	22.6	1.0	ug/l	25.0		90	65-140			
Isopropylbenzene	25.3	1.0	ug/l	25.0		101	75-125			
p-Isopropyltoluene	25.4	1.0	ug/l	25.0		102	75-125			
Methylene chloride	31.7	5.0	ug/l	25.0		127	60-135			
Methyl-tert-butyl Ether (MTBE)	31.2	1.0	ug/l	25.0		125	55-145			
Naphthalene	26.6	1.0	ug/l	25.0		106	50-145			
n-Propylbenzene	25.7	1.0	ug/l	25.0		103	75-130			
Styrene	27.1	1.0	ug/l	25.0		108	80-135			
1,1,1,2-Tetrachloroethane	25.9	1.0	ug/l	25.0		104	70-145			
1,1,2,2-Tetrachloroethane	26.6	1.0	ug/l	25.0		106	60-135			
Tetrachloroethene	24.1	1.0	ug/l	25.0		96	75-125			
Toluene	28.3	0.50	ug/l	25.0		113	75-120			
1,2,3-Trichlorobenzene	25.8	1.0	ug/l	25.0		103	65-135			
1,2,4-Trichlorobenzene	26.1	1.0	ug/l	25.0		104	70-140			
1,1,1-Trichloroethane	30.1	1.0	ug/l	25.0		120	75-140			
1,1,2-Trichloroethane	29.5	1.0	ug/l	25.0		118	70-125			
Trichloroethene	26.9	1.0	ug/l	25.0		108	80-120			
Trichlorofluoromethane	29.8	1.0	ug/l	25.0		119	65-145			
1,2,3-Trichloropropane	26.4	1.0	ug/l	25.0		106	60-130			
1,2,4-Trimethylbenzene	25.8	1.0	ug/l	25.0		103	75-125			
1,3,5-Trimethylbenzene	25.8	1.0	ug/l	25.0		103	75-125			
Vinyl chloride	26.8	0.50	ug/l	25.0		107	50-130			
o-Xylene	25.9	0.50	ug/l	25.0		104	75-125			
m,p-Xylenes	53.3	1.0	ug/l	50.0		107	75-120			
Surrogate: Dibromofluoromethane	*28.4*		*ug/l*	*25.0*		*114*	*80-120*			
Surrogate: Toluene-d8	*25.8*		*ug/l*	*25.0*		*103*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*26.0*		*ug/l*	*25.0*		*104*	*80-120*			

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Project Manager

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MWH Americas - Brea
3050 Saturn Ave., Suite 205
Brea, CA 92821
Attention: Lisa Hall

Project ID: Honeywell, North Hollywood
1890933.0501
Report Number: IOB1976

Sampled: 02/24/05-02/25/05
Received: 02/25/05

METHOD BLANK/QC DATA

VOLATILE ORGANICS with MTBE by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 5B25039 Extracted: 02/25/05										
Matrix Spike Analyzed: 02/25/2005 (5B25039-MS1)					**Source: IOB1976-13**					
Benzene	28.5	0.50	ug/l	25.0	ND	114	70-120			
Bromobenzene	26.4	1.0	ug/l	25.0	ND	106	65-130			
Bromochloromethane	29.7	1.0	ug/l	25.0	ND	119	65-140			
Bromodichloromethane	28.4	1.0	ug/l	25.0	ND	114	70-140			
Bromoform	22.9	1.0	ug/l	25.0	ND	92	55-140			
Bromomethane	28.0	1.0	ug/l	25.0	ND	112	50-145			
n-Butylbenzene	29.4	1.0	ug/l	25.0	ND	118	70-140			
sec-Butylbenzene	26.7	1.0	ug/l	25.0	ND	107	70-130			
tert-Butylbenzene	26.0	1.0	ug/l	25.0	ND	104	70-130			
Carbon tetrachloride	26.1	0.50	ug/l	25.0	ND	104	70-145			
Chlorobenzene	27.4	1.0	ug/l	25.0	ND	110	80-125			
Chloroethane	28.9	1.0	ug/l	25.0	ND	116	50-145			
Chloroform	32.0	1.0	ug/l	25.0	0.51	126	70-135			
Chloromethane	27.3	1.0	ug/l	25.0	ND	109	35-145			
2-Chlorotoluene	26.4	1.0	ug/l	25.0	ND	106	70-140			
4-Chlorotoluene	27.0	1.0	ug/l	25.0	ND	108	70-140			
Dibromochloromethane	27.5	1.0	ug/l	25.0	ND	110	65-145			
1,2-Dibromo-3-chloropropane	27.2	5.0	ug/l	25.0	ND	109	45-155			
1,2-Dibromoethane (EDB)	28.3	1.0	ug/l	25.0	ND	113	70-130			
Dibromomethane	29.2	1.0	ug/l	25.0	ND	117	65-140			
1,2-Dichlorobenzene	27.6	1.0	ug/l	25.0	ND	110	75-130			
1,3-Dichlorobenzene	27.0	1.0	ug/l	25.0	ND	108	75-130			
1,4-Dichlorobenzene	26.7	1.0	ug/l	25.0	ND	107	80-120			
Dichlorodifluoromethane	40.0	2.0	ug/l	25.0	13	108	10-160			
1,1-Dichloroethane	32.5	1.0	ug/l	25.0	2.6	120	65-135			
1,2-Dichloroethane	31.7	0.50	ug/l	25.0	1.2	122	60-150			
1,1-Dichloroethene	28.9	1.0	ug/l	25.0	0.37	114	65-140			
cis-1,2-Dichloroethene	52.6	1.0	ug/l	25.0	23	118	65-130			
trans-1,2-Dichloroethene	29.8	1.0	ug/l	25.0	ND	119	65-135			
1,2-Dichloropropane	29.4	1.0	ug/l	25.0	0.40	116	65-130			
1,3-Dichloropropane	28.7	1.0	ug/l	25.0	ND	115	65-140			
2,2-Dichloropropane	29.6	1.0	ug/l	25.0	ND	118	60-150			
1,1-Dichloropropene	27.9	1.0	ug/l	25.0	ND	112	65-140			
cis-1,3-Dichloropropene	29.7	0.50	ug/l	25.0	ND	119	70-140			
trans-1,3-Dichloropropene	30.2	0.50	ug/l	25.0	ND	121	70-140			

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Chris Roberts
Project Manager

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MWH Americas - Brea 3050 Saturn Ave., Suite 205 Brea, CA 92821 Attention: Lisa Hall	Project ID: Honeywell, North Hollywood 1890933.0501 Report Number: IOB1976	Sampled: 02/24/05-02/25/05 Received: 02/25/05

METHOD BLANK/QC DATA

VOLATILE ORGANICS with MTBE by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 5B25039 Extracted: 02/25/05										
Matrix Spike Analyzed: 02/25/2005 (5B25039-MS1)					Source: IOB1976-13					
Ethylbenzene	28.3	0.50	ug/l	25.0	ND	113	70-130			
Hexachlorobutadiene	24.8	1.0	ug/l	25.0	ND	99	65-140			
Isopropylbenzene	26.5	1.0	ug/l	25.0	ND	106	70-130			
p-Isopropyltoluene	26.8	1.0	ug/l	25.0	ND	107	70-130			
Methylene chloride	32.6	5.0	ug/l	25.0	1.4	125	60-135			
Methyl-tert-butyl Ether (MTBE)	31.4	1.0	ug/l	25.0	ND	126	50-155			
Naphthalene	29.6	1.0	ug/l	25.0	ND	118	50-150			
n-Propylbenzene	27.3	1.0	ug/l	25.0	ND	109	70-135			
Styrene	28.1	1.0	ug/l	25.0	ND	112	55-145			
1,1,1,2-Tetrachloroethane	27.1	1.0	ug/l	25.0	ND	108	70-145			
1,1,2,2-Tetrachloroethane	29.3	1.0	ug/l	25.0	ND	117	60-145			
Tetrachloroethene	36.4	1.0	ug/l	25.0	13	94	70-130			
Toluene	28.3	0.50	ug/l	25.0	ND	113	70-120			
1,2,3-Trichlorobenzene	29.2	1.0	ug/l	25.0	ND	117	60-140			
1,2,4-Trichlorobenzene	29.3	1.0	ug/l	25.0	ND	117	60-140			
1,1,1-Trichloroethane	29.6	1.0	ug/l	25.0	ND	118	75-140			
1,1,2-Trichloroethane	29.7	1.0	ug/l	25.0	ND	119	60-135			
Trichloroethene	44.2	1.0	ug/l	25.0	18	105	70-125			
Trichlorofluoromethane	29.7	1.0	ug/l	25.0	ND	119	55-145			
1,2,3-Trichloropropane	27.6	1.0	ug/l	25.0	ND	110	55-140			
1,2,4-Trimethylbenzene	27.4	1.0	ug/l	25.0	ND	110	60-125			
1,3,5-Trimethylbenzene	27.5	1.0	ug/l	25.0	ND	110	70-130			
Vinyl chloride	27.4	0.50	ug/l	25.0	ND	110	40-135			
o-Xylene	27.1	0.50	ug/l	25.0	ND	108	65-125			
m,p-Xylenes	55.0	1.0	ug/l	50.0	ND	110	65-130			
Surrogate: Dibromofluoromethane	*28.3*		*ug/l*	*25.0*		*113*	*80-120*			
Surrogate: Toluene-d8	*25.4*		*ug/l*	*25.0*		*102*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*25.9*		*ug/l*	*25.0*		*104*	*80-120*			

Del Mar Analytical, Irvine
Chris Roberts
Project Manager

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WH Americas - Brea
050 Saturn Ave., Suite 205
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Attention: Lisa Hall

Project ID: Honeywell, North Hollywood
1890933.0501
Report Number: IOB1976

Sampled: 02/24/05-02/25/05
Received: 02/25/05

METHOD BLANK/QC DATA

VOLATILE ORGANICS with MTBE by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 5B25039 Extracted: 02/25/05										
Matrix Spike Dup Analyzed: 02/25/2005 (5B25039-MSD1)					**Source: IOB1976-13**					
Benzene	28.6	0.50	ug/l	25.0	ND	114	70-120	0	20	
Bromobenzene	27.0	1.0	ug/l	25.0	ND	108	65-130	2	20	
Bromochloromethane	30.3	1.0	ug/l	25.0	ND	121	65-140	2	25	
Bromodichloromethane	28.3	1.0	ug/l	25.0	ND	113	70-140	0	20	
Bromoform	23.5	1.0	ug/l	25.0	ND	94	55-140	3	25	
Bromomethane	27.9	1.0	ug/l	25.0	ND	112	50-145	0	25	
n-Butylbenzene	29.2	1.0	ug/l	25.0	ND	117	70-140	1	20	
sec-Butylbenzene	27.0	1.0	ug/l	25.0	ND	108	70-130	1	20	
tert-Butylbenzene	26.4	1.0	ug/l	25.0	ND	106	70-130	2	20	
Carbon tetrachloride	26.6	0.50	ug/l	25.0	ND	106	70-145	2	25	
robenzene	27.6	1.0	ug/l	25.0	ND	110	80-125	1	20	
oroethane	28.4	1.0	ug/l	25.0	ND	114	50-145	2	25	
Chloroform	31.8	1.0	ug/l	25.0	0.51	125	70-135	1	20	
Chloromethane	27.4	1.0	ug/l	25.0	ND	110	35-145	0	25	
2-Chlorotoluene	26.6	1.0	ug/l	25.0	ND	106	70-140	1	20	
4-Chlorotoluene	27.2	1.0	ug/l	25.0	ND	109	70-140	1	20	
Dibromochloromethane	28.3	1.0	ug/l	25.0	ND	113	65-145	3	25	
1,2-Dibromo-3-chloropropane	28.1	5.0	ug/l	25.0	ND	112	45-155	3	30	
1,2-Dibromoethane (EDB)	29.4	1.0	ug/l	25.0	ND	118	70-130	4	25	
Dibromomethane	29.2	1.0	ug/l	25.0	ND	117	65-140	0	25	
1,2-Dichlorobenzene	28.0	1.0	ug/l	25.0	ND	112	75-130	1	20	
1,3-Dichlorobenzene	27.4	1.0	ug/l	25.0	ND	110	75-130	1	20	
1,4-Dichlorobenzene	27.1	1.0	ug/l	25.0	ND	108	80-120	1	20	
Dichlorodifluoromethane	38.8	2.0	ug/l	25.0	13	103	10-160	3	30	
1,1-Dichloroethane	32.9	1.0	ug/l	25.0	2.6	121	65-135	1	20	
1,2-Dichloroethane	31.8	0.50	ug/l	25.0	1.2	122	60-150	0	20	
1,1-Dichloroethene	28.7	1.0	ug/l	25.0	0.37	113	65-140	1	20	
cis-1,2-Dichloroethene	52.7	1.0	ug/l	25.0	23	119	65-130	0	20	
trans-1,2-Dichloroethene	29.9	1.0	ug/l	25.0	ND	120	65-135	0	20	
1,2-Dichloropropane	29.6	1.0	ug/l	25.0	0.40	117	65-130	1	20	
1,3-Dichloropropane	29.8	1.0	ug/l	25.0	ND	119	65-140	4	25	
2,2-Dichloropropane	29.5	1.0	ug/l	25.0	ND	118	60-150	0	25	
1,1-Dichloropropene	28.2	1.0	ug/l	25.0	ND	113	65-140	1	20	
cis-1,3-Dichloropropene	29.9	0.50	ug/l	25.0	ND	120	70-140	1	20	
trans-1,3-Dichloropropene	30.6	0.50	ug/l	25.0	ND	122	70-140	1	25	

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MWH Americas - Brea 3050 Saturn Ave., Suite 205 Brea, CA 92821 Attention: Lisa Hall	Project ID: Honeywell, North Hollywood 1890933.0501 Report Number: IOB1976	Sampled: 02/24/05-02/25/05 Received: 02/25/05

METHOD BLANK/QC DATA

VOLATILE ORGANICS with MTBE by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 5B25039 Extracted: 02/25/05										
Matrix Spike Dup Analyzed: 02/25/2005 (5B25039-MSD1)					**Source: IOB1976-13**					
Ethylbenzene	28.7	0.50	ug/l	25.0	ND	115	70-130	1	20	
Hexachlorobutadiene	24.8	1.0	ug/l	25.0	ND	99	65-140	0	20	
Isopropylbenzene	26.9	1.0	ug/l	25.0	ND	108	70-130	1	20	
p-Isopropyltoluene	27.0	1.0	ug/l	25.0	ND	108	70-130	1	20	
Methylene chloride	32.3	5.0	ug/l	25.0	1.4	124	60-135	1	20	
Methyl-tert-butyl Ether (MTBE)	32.2	1.0	ug/l	25.0	ND	129	50-155	3	25	
Naphthalene	30.7	1.0	ug/l	25.0	ND	123	50-150	4	30	
n-Propylbenzene	27.7	1.0	ug/l	25.0	ND	111	70-135	1	20	
Styrene	28.1	1.0	ug/l	25.0	ND	112	55-145	0	30	
1,1,1,2-Tetrachloroethane	27.6	1.0	ug/l	25.0	ND	110	70-145	2	20	
1,1,2,2-Tetrachloroethane	30.6	1.0	ug/l	25.0	ND	122	60-145	4	30	
Tetrachloroethene	37.2	1.0	ug/l	25.0	13	97	70-130	2	20	
Toluene	28.4	0.50	ug/l	25.0	ND	114	70-120	0	20	
1,2,3-Trichlorobenzene	29.6	1.0	ug/l	25.0	ND	118	60-140	1	20	
1,2,4-Trichlorobenzene	29.6	1.0	ug/l	25.0	ND	118	60-140	1	20	
1,1,1-Trichloroethane	29.6	1.0	ug/l	25.0	ND	118	75-140	0	20	
1,1,2-Trichloroethane	30.0	1.0	ug/l	25.0	ND	120	60-135	1	25	
Trichloroethene	44.5	1.0	ug/l	25.0	18	106	70-125	1	20	
Trichlorofluoromethane	29.1	1.0	ug/l	25.0	ND	116	55-145	2	25	
1,2,3-Trichloropropane	29.1	1.0	ug/l	25.0	ND	116	55-140	5	30	
1,2,4-Trimethylbenzene	27.7	1.0	ug/l	25.0	ND	111	60-125	1	25	
1,3,5-Trimethylbenzene	27.9	1.0	ug/l	25.0	ND	112	70-130	1	20	
Vinyl chloride	26.8	0.50	ug/l	25.0	ND	107	40-135	2	30	
o-Xylene	27.5	0.50	ug/l	25.0	ND	110	65-125	1	20	
m,p-Xylenes	55.7	1.0	ug/l	50.0	ND	111	65-130	1	25	
Surrogate: Dibromofluoromethane	*27.7*		*ug/l*	*25.0*		*111*	*80-120*			
Surrogate: Toluene-d8	*25.0*		*ug/l*	*25.0*		*100*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*25.6*		*ug/l*	*25.0*		*102*	*80-120*			

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WH Americas - Brea
050 Saturn Ave., Suite 205
Brea, CA 92821
Attention: Lisa Hall

Project ID: Honeywell, North Hollywood
1890933.0501
Report Number: IOB1976

Sampled: 02/24/05-02/25/05
Received: 02/25/05

METHOD BLANK QC DATA

VOLATILE ORGANICS with MTBE by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 5B26009 Extracted: 02/26/05										
Blank Analyzed: 02/26/2005 (5B26009-BLK1)										
Benzene	ND	0.50	ug/l							
Bromobenzene	ND	1.0	ug/l							
Bromochloromethane	ND	1.0	ug/l							
Bromodichloromethane	ND	1.0	ug/l							
Bromoform	ND	1.0	ug/l							
Bromomethane	ND	1.0	ug/l							
n-Butylbenzene	ND	1.0	ug/l							
sec-Butylbenzene	ND	1.0	ug/l							
tert-Butylbenzene	ND	1.0	ug/l							
Carbon tetrachloride	ND	0.50	ug/l							
robenzene	ND	1.0	ug/l							
broethane	ND	1.0	ug/l							
Chloroform	ND	1.0	ug/l							
Chloromethane	ND	1.0	ug/l							
2-Chlorotoluene	ND	1.0	ug/l							
4-Chlorotoluene	ND	1.0	ug/l							
Dibromochloromethane	ND	1.0	ug/l							
1,2-Dibromo-3-chloropropane	ND	5.0	ug/l							
1,2-Dibromoethane (EDB)	ND	1.0	ug/l							
Dibromomethane	ND	1.0	ug/l							
1,2-Dichlorobenzene	ND	1.0	ug/l							
1,3-Dichlorobenzene	ND	1.0	ug/l							
1,4-Dichlorobenzene	ND	1.0	ug/l							
Dichlorodifluoromethane	ND	2.0	ug/l							
1,1-Dichloroethane	ND	1.0	ug/l							
1,2-Dichloroethane	ND	0.50	ug/l							
1,1-Dichloroethene	ND	1.0	ug/l							
cis-1,2-Dichloroethene	ND	1.0	ug/l							
trans-1,2-Dichloroethene	ND	1.0	ug/l							
1,2-Dichloropropane	ND	1.0	ug/l							
1,3-Dichloropropane	ND	1.0	ug/l							
2,2-Dichloropropane	ND	1.0	ug/l							
1,1-Dichloropropene	ND	1.0	ug/l							
cis-1,3-Dichloropropene	ND	0.50	ug/l							
trans-1,3-Dichloropropene	ND	0.50	ug/l							

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MWH Americas - Brea 3050 Saturn Ave., Suite 205 Brea, CA 92821 Attention: Lisa Hall	Project ID: Honeywell, North Hollywood 1890933.0501 Report Number: IOB1976	Sampled: 02/24/05-02/25/05 Received: 02/25/05

METHOD BLANK/QC DATA

VOLATILE ORGANICS with MTBE by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 5B26009 Extracted: 02/26/05										
Blank Analyzed: 02/26/2005 (5B26009-BLK1)										
Ethylbenzene	ND	0.50	ug/l							
Hexachlorobutadiene	ND	1.0	ug/l							
Isopropylbenzene	ND	1.0	ug/l							
p-Isopropyltoluene	ND	1.0	ug/l							
Methylene chloride	ND	5.0	ug/l							
Methyl-tert-butyl Ether (MTBE)	ND	1.0	ug/l							
Naphthalene	ND	1.0	ug/l							
n-Propylbenzene	ND	1.0	ug/l							
Styrene	ND	1.0	ug/l							
1,1,1,2-Tetrachloroethane	ND	1.0	ug/l							
1,1,2,2-Tetrachloroethane	ND	1.0	ug/l							
Tetrachloroethene	ND	1.0	ug/l							
Toluene	ND	0.50	ug/l							
1,2,3-Trichlorobenzene	ND	1.0	ug/l							
1,2,4-Trichlorobenzene	ND	1.0	ug/l							
1,1,1-Trichloroethane	ND	1.0	ug/l							
1,1,2-Trichloroethane	ND	1.0	ug/l							
Trichloroethene	ND	1.0	ug/l							
Trichlorofluoromethane	ND	1.0	ug/l							
1,2,3-Trichloropropane	ND	1.0	ug/l							
1,2,4-Trimethylbenzene	ND	1.0	ug/l							
1,3,5-Trimethylbenzene	ND	1.0	ug/l							
Vinyl chloride	ND	0.50	ug/l							
o-Xylene	ND	0.50	ug/l							
m,p-Xylenes	ND	1.0	ug/l							
Surrogate: Dibromofluoromethane	*26.2*		*ug/l*	*25.0*		*105*	*80-120*			
Surrogate: Toluene-d8	*24.4*		*ug/l*	*25.0*		*98*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*24.4*		*ug/l*	*25.0*		*98*	*80-120*			

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WH Americas - Brea
3050 Saturn Ave., Suite 205
Brea, CA 92821
Attention: Lisa Hall

Project ID: Honeywell, North Hollywood
1890933.0501
Report Number: IOB1976

Sampled: 02/24/05-02/25/05
Received: 02/25/05

METHOD BLANK/QC DATA

VOLATILE ORGANICS with MTBE by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 5B26009 Extracted: 02/26/05										
LCS Analyzed: 02/26/2005 (5B26009-BS1)										
Benzene	28.2	0.50	ug/l	25.0		113	70-120			
Bromobenzene	27.0	1.0	ug/l	25.0		108	80-120			
Bromochloromethane	27.4	1.0	ug/l	25.0		110	65-135			
Bromodichloromethane	27.2	1.0	ug/l	25.0		109	70-140			
Bromoform	22.4	1.0	ug/l	25.0		90	55-135			
Bromomethane	28.1	1.0	ug/l	25.0		112	60-140			
n-Butylbenzene	30.6	1.0	ug/l	25.0		122	75-130			
sec-Butylbenzene	27.9	1.0	ug/l	25.0		112	75-125			
tert-Butylbenzene	27.3	1.0	ug/l	25.0		109	75-125			
Carbon tetrachloride	26.7	0.50	ug/l	25.0		107	70-140			
orobenzene	27.5	1.0	ug/l	25.0		110	80-125			
loroethane	27.7	1.0	ug/l	25.0		111	60-145			
Chloroform	30.0	1.0	ug/l	25.0		120	75-130			
Chloromethane	26.2	1.0	ug/l	25.0		105	40-145			
2-Chlorotoluene	27.4	1.0	ug/l	25.0		110	75-125			
4-Chlorotoluene	27.9	1.0	ug/l	25.0		112	75-125			
Dibromochloromethane	27.4	1.0	ug/l	25.0		110	65-145			
1,2-Dibromo-3-chloropropane	26.0	5.0	ug/l	25.0		104	50-135			
1,2-Dibromoethane (EDB)	28.3	1.0	ug/l	25.0		113	75-125			
Dibromomethane	27.4	1.0	ug/l	25.0		110	75-130			
1,2-Dichlorobenzene	27.8	1.0	ug/l	25.0		111	80-120			
1,3-Dichlorobenzene	27.6	1.0	ug/l	25.0		110	80-120			
1,4-Dichlorobenzene	27.0	1.0	ug/l	25.0		108	80-120			
Dichlorodifluoromethane	25.4	2.0	ug/l	25.0		102	10-160			
1,1-Dichloroethane	28.9	1.0	ug/l	25.0		116	70-135			
1,2-Dichloroethane	29.0	0.50	ug/l	25.0		116	60-150			
1,1-Dichloroethene	27.7	1.0	ug/l	25.0		111	75-135			
cis-1,2-Dichloroethene	28.4	1.0	ug/l	25.0		114	70-125			
trans-1,2-Dichloroethene	29.0	1.0	ug/l	25.0		116	70-130			
1,2-Dichloropropane	28.1	1.0	ug/l	25.0		112	70-120			
1,3-Dichloropropane	28.3	1.0	ug/l	25.0		113	70-130			
2,2-Dichloropropane	30.1	1.0	ug/l	25.0		120	65-150			
1,1-Dichloropropene	28.5	1.0	ug/l	25.0		114	75-130			
cis-1,3-Dichloropropene	29.1	0.50	ug/l	25.0		116	75-130			
trans-1,3-Dichloropropene	29.1	0.50	ug/l	25.0		116	75-135			

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MWH Americas - Brea 3050 Saturn Ave., Suite 205 Brea, CA 92821 Attention: Lisa Hall	Project ID: Honeywell, North Hollywood 1890933.0501 Report Number: IOB1976	Sampled: 02/24/05-02/25/05 Received: 02/25/05

METHOD BLANK/QC DATA

VOLATILE ORGANICS with MTBE by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 5B26009 Extracted: 02/26/05										
LCS Analyzed: 02/26/2005 (5B26009-BS1)										
Ethylbenzene	29.5	0.50	ug/l	25.0		118	80-120			
Hexachlorobutadiene	26.1	1.0	ug/l	25.0		104	65-140			
Isopropylbenzene	28.1	1.0	ug/l	25.0		112	75-125			
p-Isopropyltoluene	28.0	1.0	ug/l	25.0		112	75-125			
Methylene chloride	29.3	5.0	ug/l	25.0		117	60-135			
Methyl-tert-butyl Ether (MTBE)	28.5	1.0	ug/l	25.0		114	55-145			
Naphthalene	29.4	1.0	ug/l	25.0		118	50-145			
n-Propylbenzene	28.6	1.0	ug/l	25.0		114	75-130			
Styrene	29.0	1.0	ug/l	25.0		116	80-135			
1,1,1,2-Tetrachloroethane	27.3	1.0	ug/l	25.0		109	70-145			
1,1,2,2-Tetrachloroethane	28.1	1.0	ug/l	25.0		112	60-135			
Tetrachloroethene	25.6	1.0	ug/l	25.0		102	75-125			
Toluene	27.8	0.50	ug/l	25.0		111	75-120			
1,2,3-Trichlorobenzene	29.6	1.0	ug/l	25.0		118	65-135			
1,2,4-Trichlorobenzene	29.5	1.0	ug/l	25.0		118	70-140			
1,1,1-Trichloroethane	28.5	1.0	ug/l	25.0		114	75-140			
1,1,2-Trichloroethane	28.2	1.0	ug/l	25.0		113	70-125			
Trichloroethene	26.2	1.0	ug/l	25.0		105	80-120			
Trichlorofluoromethane	29.0	1.0	ug/l	25.0		116	65-145			
1,2,3-Trichloropropane	27.9	1.0	ug/l	25.0		112	60-130			
1,2,4-Trimethylbenzene	28.4	1.0	ug/l	25.0		114	75-125			
1,3,5-Trimethylbenzene	28.6	1.0	ug/l	25.0		114	75-125			
Vinyl chloride	26.2	0.50	ug/l	25.0		105	50-130			
o-Xylene	27.7	0.50	ug/l	25.0		111	75-125			
m,p-Xylenes	57.0	1.0	ug/l	50.0		114	75-120			
Surrogate: Dibromofluoromethane	*26.2*		*ug/l*	*25.0*		*105*	*80-120*			
Surrogate: Toluene-d8	*24.9*		*ug/l*	*25.0*		*100*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*25.5*		*ug/l*	*25.0*		*102*	*80-120*			

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Chris Roberts
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Attention: Lisa Hall

Project ID: Honeywell, North Hollywood
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Report Number: IOB1976

Sampled: 02/24/05-02/25/05
Received: 02/25/05

METHOD BLANK/QC DATA

VOLATILE ORGANICS with MTBE by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 5B26009 Extracted: 02/26/05										
Matrix Spike Analyzed: 02/26/2005 (5B26009-MS1)					**Source: IOB2045-02**					
Benzene	26.6	0.50	ug/l	25.0	0.71	104	70-120			
Bromobenzene	24.7	1.0	ug/l	25.0	ND	99	65-130			
Bromochloromethane	26.2	1.0	ug/l	25.0	ND	105	65-140			
Bromodichloromethane	25.4	1.0	ug/l	25.0	ND	102	70-140			
Bromoform	20.9	1.0	ug/l	25.0	ND	84	55-140			
Bromomethane	24.9	1.0	ug/l	25.0	ND	100	50-145			
n-Butylbenzene	27.3	1.0	ug/l	25.0	ND	109	70-140			
sec-Butylbenzene	24.9	1.0	ug/l	25.0	ND	100	70-130			
tert-Butylbenzene	24.4	1.0	ug/l	25.0	ND	98	70-130			
Carbon tetrachloride	24.2	0.50	ug/l	25.0	ND	97	70-145			
orobenzene	25.1	1.0	ug/l	25.0	ND	100	80-125			
hloroethane	25.4	1.0	ug/l	25.0	ND	102	50-145			
Chloroform	79.4	1.0	ug/l	25.0	50	118	70-135			
Chloromethane	23.8	1.0	ug/l	25.0	ND	95	35-145			
2-Chlorotoluene	24.3	1.0	ug/l	25.0	ND	97	70-140			
4-Chlorotoluene	25.0	1.0	ug/l	25.0	ND	100	70-140			
Dibromochloromethane	25.2	1.0	ug/l	25.0	ND	101	65-145			
1,2-Dibromo-3-chloropropane	26.2	5.0	ug/l	25.0	ND	105	45-155			
1,2-Dibromoethane (EDB)	26.5	1.0	ug/l	25.0	ND	106	70-130			
Dibromomethane	26.3	1.0	ug/l	25.0	ND	105	65-140			
1,2-Dichlorobenzene	25.8	1.0	ug/l	25.0	ND	103	75-130			
1,3-Dichlorobenzene	25.2	1.0	ug/l	25.0	ND	101	75-130			
1,4-Dichlorobenzene	24.8	1.0	ug/l	25.0	ND	99	80-120			
Dichlorodifluoromethane	31.0	2.0	ug/l	25.0	7.8	93	10-160			
1,1-Dichloroethane	26.8	1.0	ug/l	25.0	ND	107	65-135			
1,2-Dichloroethane	27.4	0.50	ug/l	25.0	0.30	108	60-150			
1,1-Dichloroethene	25.6	1.0	ug/l	25.0	ND	102	65-140			
cis-1,2-Dichloroethene	26.5	1.0	ug/l	25.0	ND	106	65-130			
trans-1,2-Dichloroethene	26.4	1.0	ug/l	25.0	ND	106	65-135			
1,2-Dichloropropane	26.0	1.0	ug/l	25.0	ND	104	65-130			
1,3-Dichloropropane	26.4	1.0	ug/l	25.0	ND	106	65-140			
2,2-Dichloropropane	26.5	1.0	ug/l	25.0	ND	106	60-150			
1,1-Dichloropropene	25.6	1.0	ug/l	25.0	ND	102	65-140			
cis-1,3-Dichloropropene	26.7	0.50	ug/l	25.0	ND	107	70-140			
trans-1,3-Dichloropropene	27.2	0.50	ug/l	25.0	ND	109	70-140			

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ris Roberts
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MWH Americas - Brea
3050 Saturn Ave., Suite 205
Brea, CA 92821
Attention: Lisa Hall

Project ID: Honeywell, North Hollywood
1890933.0501
Report Number: IOB1976

Sampled: 02/24/05-02/25/05
Received: 02/25/05

METHOD BLANK/QC DATA

VOLATILE ORGANICS with MTBE by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 5B26009 Extracted: 02/26/05										
Matrix Spike Analyzed: 02/26/2005 (5B26009-MS1)					**Source: IOB2045-02**					
Ethylbenzene	27.0	0.50	ug/l	25.0	0.60	106	70-130			
Hexachlorobutadiene	23.8	1.0	ug/l	25.0	ND	95	65-140			
Isopropylbenzene	25.2	1.0	ug/l	25.0	0.41	99	70-130			
p-Isopropyltoluene	25.2	1.0	ug/l	25.0	ND	101	70-130			
Methylene chloride	38.7	5.0	ug/l	25.0	8.4	121	60-135			
Methyl-tert-butyl Ether (MTBE)	27.5	1.0	ug/l	25.0	ND	110	50-155			
Naphthalene	28.8	1.0	ug/l	25.0	ND	115	50-150			
n-Propylbenzene	25.4	1.0	ug/l	25.0	ND	102	70-135			
Styrene	26.0	1.0	ug/l	25.0	ND	104	55-145			
1,1,1,2-Tetrachloroethane	25.0	1.0	ug/l	25.0	ND	100	70-145			
1,1,2,2-Tetrachloroethane	27.2	1.0	ug/l	25.0	ND	109	60-145			
Tetrachloroethene	22.6	1.0	ug/l	25.0	ND	90	70-130			
Toluene	25.9	0.50	ug/l	25.0	ND	104	70-120			
1,2,3-Trichlorobenzene	28.0	1.0	ug/l	25.0	ND	112	60-140			
1,2,4-Trichlorobenzene	28.0	1.0	ug/l	25.0	ND	112	60-140			
1,1,1-Trichloroethane	26.6	1.0	ug/l	25.0	ND	106	75-140			
1,1,2-Trichloroethane	27.1	1.0	ug/l	25.0	ND	108	60-135			
Trichloroethene	25.2	1.0	ug/l	25.0	1.6	94	70-125			
Trichlorofluoromethane	64.8	1.0	ug/l	25.0	37	111	55-145			
1,2,3-Trichloropropane	26.1	1.0	ug/l	25.0	ND	104	55-140			
1,2,4-Trimethylbenzene	25.6	1.0	ug/l	25.0	ND	102	60-125			
1,3,5-Trimethylbenzene	25.4	1.0	ug/l	25.0	ND	102	70-130			
Vinyl chloride	23.7	0.50	ug/l	25.0	ND	95	40-135			
o-Xylene	25.5	0.50	ug/l	25.0	0.45	100	65-125			
m,p-Xylenes	51.4	1.0	ug/l	50.0	ND	103	65-130			
Surrogate: Dibromofluoromethane	*26.5*		*ug/l*	*25.0*		*106*	*80-120*			
Surrogate: Toluene-d8	*24.3*		*ug/l*	*25.0*		*97*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*25.3*		*ug/l*	*25.0*		*101*	*80-120*			

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WH Americas - Brea
5050 Saturn Ave., Suite 205
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Attention: Lisa Hall

Project ID: Honeywell, North Hollywood
1890933.0501
Report Number: IOB1976

Sampled: 02/24/05-02/25/05
Received: 02/25/05

METHOD BLANK/QC DATA

VOLATILE ORGANICS with MTBE by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 5B26009 Extracted: 02/26/05										
Matrix Spike Dup Analyzed: 02/26/2005 (5B26009-MSD1)					**Source: IOB2045-02**					
Benzene	25.5	0.50	ug/l	25.0	0.71	99	70-120	4	20	
Bromobenzene	23.5	1.0	ug/l	25.0	ND	94	65-130	5	20	
Bromochloromethane	25.1	1.0	ug/l	25.0	ND	100	65-140	4	25	
Bromodichloromethane	24.3	1.0	ug/l	25.0	ND	97	70-140	4	20	
Bromoform	20.8	1.0	ug/l	25.0	ND	83	55-140	1	25	
Bromomethane	23.6	1.0	ug/l	25.0	ND	94	50-145	5	25	
n-Butylbenzene	26.3	1.0	ug/l	25.0	ND	105	70-140	4	20	
sec-Butylbenzene	24.0	1.0	ug/l	25.0	ND	96	70-130	4	20	
tert-Butylbenzene	23.4	1.0	ug/l	25.0	ND	94	70-130	4	20	
Carbon tetrachloride	23.5	0.50	ug/l	25.0	ND	94	70-145	3	25	
orobenzene	24.5	1.0	ug/l	25.0	ND	98	80-125	2	20	
oroethane	24.0	1.0	ug/l	25.0	ND	96	50-145	6	25	
Chloroform	72.4	1.0	ug/l	25.0	50	90	70-135	9	20	
Chloromethane	22.1	1.0	ug/l	25.0	ND	88	35-145	7	25	
2-Chlorotoluene	23.2	1.0	ug/l	25.0	ND	93	70-140	5	20	
4-Chlorotoluene	23.7	1.0	ug/l	25.0	ND	95	70-140	5	20	
Dibromochloromethane	24.6	1.0	ug/l	25.0	ND	98	65-145	2	25	
1,2-Dibromo-3-chloropropane	25.4	5.0	ug/l	25.0	ND	102	45-155	3	30	
1,2-Dibromoethane (EDB)	25.2	1.0	ug/l	25.0	ND	101	70-130	5	25	
Dibromomethane	25.1	1.0	ug/l	25.0	ND	100	65-140	5	25	
1,2-Dichlorobenzene	25.0	1.0	ug/l	25.0	ND	100	75-130	3	20	
1,3-Dichlorobenzene	24.3	1.0	ug/l	25.0	ND	97	75-130	4	20	
1,4-Dichlorobenzene	24.0	1.0	ug/l	25.0	ND	96	80-120	3	20	
Dichlorodifluoromethane	28.6	2.0	ug/l	25.0	7.8	83	10-160	8	30	
1,1-Dichloroethane	25.5	1.0	ug/l	25.0	ND	102	65-135	5	20	
1,2-Dichloroethane	26.2	0.50	ug/l	25.0	0.30	104	60-150	4	20	
1,1-Dichloroethene	23.9	1.0	ug/l	25.0	ND	96	65-140	7	20	
cis-1,2-Dichloroethene	24.8	1.0	ug/l	25.0	ND	99	65-130	7	20	
trans-1,2-Dichloroethene	25.4	1.0	ug/l	25.0	ND	102	65-135	4	20	
1,2-Dichloropropane	25.2	1.0	ug/l	25.0	ND	101	65-130	3	20	
1,3-Dichloropropane	25.3	1.0	ug/l	25.0	ND	101	65-140	4	25	
2,2-Dichloropropane	24.4	1.0	ug/l	25.0	ND	98	60-150	8	25	
1,1-Dichloropropene	24.5	1.0	ug/l	25.0	ND	98	65-140	4	20	
cis-1,3-Dichloropropene	26.0	0.50	ug/l	25.0	ND	104	70-140	3	20	
trans-1,3-Dichloropropene	26.1	0.50	ug/l	25.0	ND	104	70-140	4	25	

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Attention: Lisa Hall

Project ID: Honeywell, North Hollywood
1890933.0501
Report Number: IOB1976

Sampled: 02/24/05-02/25/05
Received: 02/25/05

METHOD BLANK/QC DATA

VOLATILE ORGANICS with MTBE by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 5B26009 Extracted: 02/26/05										
Matrix Spike Dup Analyzed: 02/26/2005 (5B26009-MSD1)					**Source: IOB2045-02**					
Ethylbenzene	26.0	0.50	ug/l	25.0	0.60	102	70-130	4	20	
Hexachlorobutadiene	22.7	1.0	ug/l	25.0	ND	91	65-140	5	20	
Isopropylbenzene	24.2	1.0	ug/l	25.0	0.41	95	70-130	4	20	
p-Isopropyltoluene	24.2	1.0	ug/l	25.0	ND	97	70-130	4	20	
Methylene chloride	34.7	5.0	ug/l	25.0	8.4	105	60-135	11	20	
Methyl-tert-butyl Ether (MTBE)	26.4	1.0	ug/l	25.0	ND	106	50-155	4	25	
Naphthalene	28.1	1.0	ug/l	25.0	ND	112	50-150	2	30	
n-Propylbenzene	24.2	1.0	ug/l	25.0	ND	97	70-135	5	20	
Styrene	25.1	1.0	ug/l	25.0	ND	100	55-145	4	30	
1,1,1,2-Tetrachloroethane	24.5	1.0	ug/l	25.0	ND	98	70-145	2	20	
1,1,2,2-Tetrachloroethane	26.0	1.0	ug/l	25.0	ND	104	60-145	5	30	
Tetrachloroethene	22.2	1.0	ug/l	25.0	ND	89	70-130	2	20	
Toluene	24.8	0.50	ug/l	25.0	ND	99	70-120	4	20	
1,2,3-Trichlorobenzene	27.3	1.0	ug/l	25.0	ND	109	60-140	3	20	
1,2,4-Trichlorobenzene	27.4	1.0	ug/l	25.0	ND	110	60-140	2	20	
1,1,1-Trichloroethane	25.2	1.0	ug/l	25.0	ND	101	75-140	5	20	
1,1,2-Trichloroethane	25.5	1.0	ug/l	25.0	ND	102	60-135	6	25	
Trichloroethene	24.7	1.0	ug/l	25.0	1.6	92	70-125	2	20	
Trichlorofluoromethane	59.0	1.0	ug/l	25.0	37	88	55-145	9	25	
1,2,3-Trichloropropane	24.8	1.0	ug/l	25.0	ND	99	55-140	5	30	
1,2,4-Trimethylbenzene	24.4	1.0	ug/l	25.0	ND	98	60-125	5	25	
1,3,5-Trimethylbenzene	24.3	1.0	ug/l	25.0	ND	97	70-130	4	20	
Vinyl chloride	22.3	0.50	ug/l	25.0	ND	89	40-135	6	30	
o-Xylene	24.6	0.50	ug/l	25.0	0.45	97	65-125	4	20	
m,p-Xylenes	49.8	1.0	ug/l	50.0	ND	100	65-130	3	25	
Surrogate: Dibromofluoromethane	*25.6*		*ug/l*	*25.0*		*102*	*80-120*			
Surrogate: Toluene-d8	*24.1*		*ug/l*	*25.0*		*96*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*24.9*		*ug/l*	*25.0*		*100*	*80-120*			

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Chris Roberts
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TWH Americas - Brea
5050 Saturn Ave., Suite 205
Brea, CA 92821
Attention: Lisa Hall

Project ID: Honeywell, North Hollywood
1890933.0501
Report Number: IOB1976

Sampled: 02/24/05-02/25/05
Received: 02/25/05

METHOD BLANK/QC DATA

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3520C/8270C MOD)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 5B25110 Extracted: 02/25/05										
Blank Analyzed: 02/28/2005 (5B25110-BLK1)										
1,4-Dioxane	ND	1.0	ug/l							
Surrogate: 1,4-Dioxane-d8	*1.06*		*ug/l*	*2.00*		*53*	*35-120*			
LCS Analyzed: 02/28/2005 (5B25110-BS1)										
1,4-Dioxane	0.911	1.0	ug/l	2.00		46	35-120			M-NR
Surrogate: 1,4-Dioxane-d8	*0.824*		*ug/l*	*2.00*		*41*	*35-120*			

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MWH Americas - Brea 3050 Saturn Ave., Suite 205 Brea, CA 92821 Attention: Lisa Hall	Project ID: Honeywell, North Hollywood 1890933.0501 Report Number: IOB1976	Sampled: 02/24/05-02/25/05 Received: 02/25/05

METHOD BLANK/QC DATA

METALS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 5B25093 Extracted: 02/25/05										
Blank Analyzed: 02/25/2005-02/27/2005 (5B25093-BLK1)										
Antimony	ND	0.010	mg/l							
Arsenic	ND	0.0050	mg/l							
Barium	ND	0.010	mg/l							
Beryllium	ND	0.0040	mg/l							
Cadmium	ND	0.0050	mg/l							
Chromium	ND	0.0050	mg/l							
Cobalt	ND	0.010	mg/l							
Copper	ND	0.010	mg/l							
Lead	ND	0.0050	mg/l							
Molybdenum	ND	0.020	mg/l							
Nickel	ND	0.010	mg/l							
Selenium	ND	0.0050	mg/l							
Silver	ND	0.010	mg/l							
Thallium	ND	0.0050	mg/l							
Vanadium	ND	0.010	mg/l							
Zinc	ND	0.020	mg/l							
LCS Analyzed: 02/25/2005-02/27/2005 (5B25093-BS1)										
Antimony	1.06	0.010	mg/l	1.00		106	80-120			
Arsenic	1.00	0.0050	mg/l	1.00		100	80-120			
Barium	0.977	0.010	mg/l	1.00		98	80-120			
Beryllium	0.985	0.0040	mg/l	1.00		98	80-120			
Cadmium	0.975	0.0050	mg/l	1.00		98	80-120			
Chromium	0.991	0.0050	mg/l	1.00		99	80-120			
Cobalt	0.989	0.010	mg/l	1.00		99	80-120			
Copper	0.977	0.010	mg/l	1.00		98	80-120			
Lead	0.978	0.0050	mg/l	1.00		98	80-120			
Molybdenum	0.995	0.020	mg/l	1.00		100	80-120			
Nickel	0.974	0.010	mg/l	1.00		97	80-120			
Selenium	0.972	0.0050	mg/l	1.00		97	80-120			
Silver	0.493	0.010	mg/l	0.500		99	80-120			
Thallium	1.00	0.0050	mg/l	1.00		100	80-120			
Vanadium	0.985	0.010	mg/l	1.00		98	80-120			
Zinc	0.959	0.020	mg/l	1.00		96	80-120			

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METHOD BLANK/QC DATA

METALS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 5B25093 Extracted: 02/25/05										
Matrix Spike Analyzed: 02/25/2005-02/27/2005 (5B25093-MS1)					**Source: IOB1976-12**					
Antimony	1.09	0.010	mg/l	1.00	ND	109	75-125			
Arsenic	1.04	0.0050	mg/l	1.00	ND	104	75-125			
Barium	1.21	0.010	mg/l	1.00	0.26	95	75-125			
Beryllium	1.01	0.0040	mg/l	1.00	ND	101	75-125			
Cadmium	0.958	0.0050	mg/l	1.00	ND	96	75-125			
Chromium	1.20	0.0050	mg/l	1.00	0.20	100	75-125			
Cobalt	0.938	0.010	mg/l	1.00	ND	94	75-125			
Copper	0.968	0.010	mg/l	1.00	ND	97	75-125			
Lead	0.972	0.0050	mg/l	1.00	ND	97	75-125			
Molybdenum	1.03	0.020	mg/l	1.00	0.0058	102	75-125			
kel	0.923	0.010	mg/l	1.00	0.0029	92	75-125			
nium	0.993	0.0050	mg/l	1.00	ND	99	75-125			
Silver	0.502	0.010	mg/l	0.500	ND	100	75-125			
Thallium	1.03	0.0050	mg/l	1.00	0.0088	102	75-125			
Vanadium	1.01	0.010	mg/l	1.00	0.0037	101	75-125			
Zinc	0.977	0.020	mg/l	1.00	0.024	95	75-125			
Matrix Spike Dup Analyzed: 02/25/2005-02/27/2005 (5B25093-MSD1)					**Source: IOB1976-12**					
Antimony	1.09	0.010	mg/l	1.00	ND	109	75-125	0	20	
Arsenic	1.05	0.0050	mg/l	1.00	ND	105	75-125	1	20	
Barium	1.21	0.010	mg/l	1.00	0.26	95	75-125	0	20	
Beryllium	1.01	0.0040	mg/l	1.00	ND	101	75-125	0	20	
Cadmium	0.956	0.0050	mg/l	1.00	ND	96	75-125	0	20	
Chromium	1.20	0.0050	mg/l	1.00	0.20	100	75-125	0	20	
Cobalt	0.934	0.010	mg/l	1.00	ND	93	75-125	0	20	
Copper	0.970	0.010	mg/l	1.00	ND	97	75-125	0	20	
Lead	0.972	0.0050	mg/l	1.00	ND	97	75-125	0	20	
Molybdenum	1.03	0.020	mg/l	1.00	0.0058	102	75-125	0	20	
Nickel	0.920	0.010	mg/l	1.00	0.0029	92	75-125	0	20	
Selenium	0.995	0.0050	mg/l	1.00	ND	100	75-125	0	20	
Silver	0.502	0.010	mg/l	0.500	ND	100	75-125	0	20	
Thallium	1.02	0.0050	mg/l	1.00	0.0088	101	75-125	1	20	
Vanadium	1.01	0.010	mg/l	1.00	0.0037	101	75-125	0	20	
Zinc	0.977	0.020	mg/l	1.00	0.024	95	75-125	0	20	

l Mar Analytical, Irvine
is Roberts
Project Manager

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MWH Americas - Brea
3050 Saturn Ave., Suite 205
Brea, CA 92821
Attention: Lisa Hall

Project ID: Honeywell, North Hollywood
1890933.0501
Report Number: IOB1976

Sampled: 02/24/05-02/25/05
Received: 02/25/05

METHOD BLANK/QC DATA

METALS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 5B25106 Extracted: 02/25/05										
Blank Analyzed: 02/25/2005 (5B25106-BLK1)										
Mercury	ND	0.00020	mg/l							
LCS Analyzed: 02/25/2005 (5B25106-BS1)										
Mercury	0.00841	0.00020	mg/l	0.00800		105	90-115			
Matrix Spike Analyzed: 02/25/2005 (5B25106-MS1)					Source: IOB1976-12					
Mercury	0.00861	0.00020	mg/l	0.00800	ND	108	75-120			
Matrix Spike Dup Analyzed: 02/25/2005 (5B25106-MSD1)					Source: IOB1976-12					
Mercury	0.00860	0.00020	mg/l	0.00800	ND	108	75-120	0	20	
Batch: 5B25114 Extracted: 02/25/05										
Blank Analyzed: 02/26/2005 (5B25114-BLK1)										
Thallium	ND	1.0	ug/l							
LCS Analyzed: 02/26/2005 (5B25114-BS1)										
Thallium	77.6	1.0	ug/l	80.0		97	80-120			
Matrix Spike Analyzed: 02/26/2005 (5B25114-MS1)					Source: IOB1976-12					
Thallium	67.8	1.0	ug/l	80.0	0.11	85	75-125			
Matrix Spike Dup Analyzed: 02/26/2005 (5B25114-MSD1)					Source: IOB1976-12					
Thallium	73.3	1.0	ug/l	80.0	0.11	91	75-125	8	20	

Del Mar Analytical, Irvine
Chris Roberts
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2520 E. Sunset Rd. #3, Las Vegas, NV 89120 (702) 798-3620 FAX (702) 798-3621

WH Americas - Brea
050 Saturn Ave., Suite 205
Brea, CA 92821
Attention: Lisa Hall

Project ID: Honeywell, North Hollywood
1890933.0501
Report Number: IOB1976

Sampled: 02/24/05-02/25/05
Received: 02/25/05

METHOD BLANK/QC DATA

INORGANICS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 5B25064 Extracted: 02/25/05										
Blank Analyzed: 02/25/2005 (5B25064-BLK1)										
Perchlorate	ND	2.0	ug/l							
LCS Analyzed: 02/25/2005 (5B25064-BS1)										
Perchlorate	48.4	2.0	ug/l	50.0		97	85-115			
Matrix Spike Analyzed: 02/25/2005 (5B25064-MS1)					Source: IOB1976-13					
Perchlorate	51.3	2.0	ug/l	50.0	1.5	100	80-120			
Matrix Spike Dup Analyzed: 02/26/2005 (5B25064-MSD1)					Source: IOB1976-13					
Perchlorate	51.4	2.0	ug/l	50.0	1.5	100	80-120	0	20	
Batch: 5B25084 Extracted: 02/25/05										
nk Analyzed: 02/25/2005 (5B25084-BLK1)										
Chromium VI	ND	0.0010	mg/l							
LCS Analyzed: 02/25/2005 (5B25084-BS1)										
Chromium VI	0.0473	0.0010	mg/l	0.0500		95	90-110			
Matrix Spike Analyzed: 02/25/2005 (5B25084-MS1)					Source: IOB1976-13					
Chromium VI	0.395	0.0050	mg/l	0.250	0.17	90	80-115			
Matrix Spike Dup Analyzed: 02/25/2005 (5B25084-MSD1)					Source: IOB1976-13					
Chromium VI	0.397	0.0050	mg/l	0.250	0.17	91	80-115	1	15	

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2520 E. Sunset Rd. #3, Las Vegas, NV 89120 (702) 798-3620 FAX (702) 798-3621

MWH Americas - Brea 3050 Saturn Ave., Suite 205 Brea, CA 92821 Attention: Lisa Hall	Project ID: Honeywell, North Hollywood 1890933.0501 Report Number: IOB1976	Sampled: 02/24/05-02/25/05 Received: 02/25/05

DATA QUALIFIERS AND DEFINITIONS

M-NR	No results were reported for the MS/MSD. The sample used for the MS/MSD required dilution due to the sample matrix. Because of this, the spike compounds were diluted below the detection limit.
RL-4	Reporting limit raised due to insufficient sample volume.
Z3	The sample required a dilution due to the nature of the sample matrix. Because of this dilution, the surrogate spike concentration in the sample was reduced to a level where the recovery calculation does not provide useful information.
ND	Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified.
RPD	Relative Percent Difference

Del Mar Analytical, Irvine
Chris Roberts
Project Manager

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WH Americas - Brea
3050 Saturn Ave., Suite 205
Brea, CA 92821
Attention: Lisa Hall

Project ID: Honeywell, North Hollywood
1890933.0501
Report Number: IOB1976

Sampled: 02/24/05-02/25/05
Received: 02/25/05

Certification Summary

Del Mar Analytical, Irvine

Method	Matrix	Nelac	California
EPA 314.0	Water	N/A	X
EPA 6010B	Water	X	X
EPA 6020	Water	X	X
EPA 7199	Water	X	X
EPA 7470A	Water	X	X
EPA 8260B	Water	X	X
EPA 8270C MOD	Water	X	X

Nevada and NELAP provide analyte specific accreditations. Analyte specific information for Del Mar Analytical may be obtained by contacting the laboratory or visiting our website at www.dmalabs.com.

l Mar Analytical, Irvine
ris Roberts
Project Manager

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IOB 1976

DEL MAR ANALYTICAL
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Irvine, CA 92606
Phone: (949)261-1022 Fax: (949) 435-0858

A/C Manager: Mike Purkinson
Client Contact: (name, co., address)
Mike Flaugher/Lisa Hall
MWH
3050 Saturn Street, Suite 205, Brea, CA 92821
Michael.E.Flaugher@mwhglobal.com
Contact Phone/Cell: (714)936-3397
Hardcopy Report To:
Invoice To:

Honeywell

Chain Of Custody / Analysis Request

1 of 3

Privileged & Confidential
EDD To:
Sampler: J.Plummer
P O # 1890933.05
Analysis Turnaround Time: 24hr 10
Standard -
Rush Charges Authorized for -
2 weeks -
1 week -
Next Day -
RUSH

Site Name: NORTHHOLLY
Location of Site: Honeywell - North Hollywood Site -11600 Sherman Way, North Hollywood, CA

AESI Ref: 37070-0025
Lab Use Only
Lab Proj:
Lab ID: DMA
Job No: 1890933.0501

Written and maintained by AESI (Ver. 5.1) 11-05-04

	Location ID	Start Depth (ft)	End Depth (ft)	Field Sample ID	Sample Date	Sample Time	Sample Type	Sample Matrix	Sample Purpose	# of Cont.	Units	Title 22 CAM Metals List (w/o Hg) mg/L	SW7470 Title 22 CAM Mercury mg/L	SW7199 Chromium VI mg/L	SW6020 Thallium ug/L	SW8270C MOD 1,4-Dioxane ug/L	E314.0 Perclorate mg/L	E8260 Volatile Organics ug/L							Lab Sample Number
												Preservative 0	0	0	0	0	0	0	0	0	0	0	0	0	
1	GW-14B			GW-14B-2/24/05-F	2/24/05	1810	GW	Water	Reg	1		X	X		X										
2	GW-14B			GW-14B-2/24/05		1810				4				X				X							
3	GW-14B			GW-14B-PC-2/24/05-F		1905				1		X	X		X										
4	GW-14B			GW-14B-PC-2/24/05		1905				4				X				X							
5	GW-14B			GW-14B-PD-2/24/05-F		2050				1		X	X		X										
6	GW-14B			GW-14B-PD-2/24/05		2050				4				X				X							
7	GW-7			GW-7-2/24/05-F		2230				1		X	X		X										
8	GW-7			GW-7-2/24/05		2230				6				X		X	X	X							
9	DUP-01			DUP-01-2/24/05-F		NA				1		X	X		X										
10	DUP-01			DUP-01-2/24/05		NA				6				X		X	X	X							
11	TB			TB-022405		1800				2								X							
12	GW-10			GW-10-2/24/05-F	2/25/05	0010				1		X	X		X										

Special Instructions: EPA 6010B - Title 22 CAM Metals List - Sb, As, Ba, Be, Cd, Co, Cu, Pb, Mo, Ni, Se, Ag, Va, Zn; EPA 7470A - Title 22 CAM Metals List - Hg

WAK 2/25/05

Relinquished by	Company	MWH	Received by	Company	DMA	Condition	GOOD on ICE	Custody Seals Intact	NO
[signature]	Date/Time	2/25/05 1015	[signature]	Date/Time	2/25 1130	Cooler Temp.	6°C		
Relinquished by	Company		Received by	Company		Condition		Custody Seals Intact	
[signature]	Date/Time 2-25-05 11:25		M Hay 1125	Date/Time		Cooler Temp.			

Preservatives: 0 = None; [1 = HCL]; [2 = HNO3]; [3 = H2SO4]; [4 = NaOH]; [5 = Zn. Acetate]; [6 = MeOH]; [7 = NaHSO4]; 8 = Other (specify):

3/28/06 104(e)
0819

DEL MAR ANALYTICAL
2825 Alton Avenue
Irvine, CA 92606
Phone: (949)261-1022 Fax: (949) 435-0858

Honeywell — Chain Of Custody / Analysis Request

2 of 3

COC # 37070-0026

A/C Manager: Mike Parkinson
Client Contact: (name, co., address)
Mike Flaugher/Lisa Hall
MWH
3050 Saturn Street, Suite 205, Brea, CA 92821
Michael.E.Flaugher@mwhglobal.com
Contact Phone/Cell: (714)936-3397
Hardcopy Report To:
Invoice To:

Privileged & Confidential
EDD To:
Sampler: J.Plummer
PO # 1890933.05
Analysis Turnaround Time: 24 hr
Standard -
Rush Charges Authorized for -
2 weeks -
1 week -
Next Day -
RUSH

Site Name: NORTHHOLLY
Location of Site: Honeywell - North Hollywood Site - 11600 Sherman Way, North Hollywood, CA

DMA

	Location ID	Start Depth (ft)	End Depth (ft)	Field Sample ID	Sample Date	Sample Time	Sample Type	Sample Matrix	Sample Purpose	# of Cont.	Field Filtered Sample?	Title 22 CAM Metals List (w/o Hg)	SW7470 Title 22 CAM Mercury	SW7199 Chromium VI	SW6020 Thallium	SW8270C MOD 1,4-Dioxane	E314.0 Perchlorate	E8260 Volatile Organics							
											Units	mg/L	mg/L	mg/L	ug/L	ug/L	mg/L	ug/L							
											Preservative	0	0	0	0	0	0	0	0	0	0	0	0	0	
1	GW-10			GW-10-2/24/05	2/24/05	0010	GW	Water	Reg	6				X		X	X	X							
2	GW-10			GW-10-2/24/05 MS/MSD		0010				1		X	X		X										
3	GW-10			GW-10/2/24/05 MS/MSD		0010				6				X		X	X	X							
4	GW-15			GW-15-2/25/05-F	2/25/05	0130				1		X	X		X										
5	GW-15			GW-15-2/25/05		0130				6				X		X	X	X							
6	DUP			DUP-03-2/25/05-F		NA				1		X	X		X										
7	DUP			DUP-03-2/25/05		NA				6				X		X	X	X							
8	EB			EB-03-2/25/05-P		0150				7		X	X	X	X	X	X	X							
9	GW-5			GW-5-2/25/05-F		0310				1		X	X		X										
10	GW-5			GW-5-2/25/05		0310				4				X				X							
11	GW-4			GW-4-2/25/05-F		0310 ~~0430~~				1		X	X		X										
12	GW-4			GW-4-2/25/05		0310 ~~0430~~				4				X				X							

Special Instructions: EPA 6010B - Title 22 CAM Metals List - Sb, As, Ba, Be, Cd, Cr, Co, Cu, Pb, Mo, Ni, Se, Ag, Va, Zn; EPA 7470A - Title 22 CAM Metals List - Hg

Relinquished by	Company	Date/Time	Received by	Company	Date/Time	Condition	Custody Seals Intact
[signature]	MWH	2/25/05 1015	[signature]	DMA	2/25/05 1130	GOOD	NO
Relinquished by	Company	Date/Time	Received by	Company	Date/Time	Cooler Temp.	
[signature]		2-25-05 11:25	[signature]		2/25/05 1130	10°C	

Preservatives: 0 = None; [1 = HCL]; [2 = HNO3]; [3 = H2SO4]; [4 = NaOH]; [5 = Zn. Acetate]; [6 = MeOH]; [7 = NaHSO4]; 8 = Other (specify):

3/28/06 104(e)
0820

DEL MAR ANALYTICAL
2825 Alton Avenue
Irvine, CA 92606
Phone: (949)261-1022 Fax: (949) 435-0858

A/C Manager: Mike Parkinson

Client Contact: (name, co., address)
Mike Flaugher/Lisa Hall
MWH
3050 Saturn Street, Suite 205, Brea, CA 92821
Michael.E.Flaugher@mwhglobal.com
Contact Phone/Cell: (714)936-3397

Hardcopy Report To:
Invoice To:

Honeywell — Chain Of Custody / Analysis Request

3 of 3

COC # 37070-0027

Privileged & Confidential

EDD To:

Sampler: J.Plummer
P O # 1890933.05

Analysis Turnaround Time: 10
Standard - 24 hr
Rush Charges Authorized for -
2 weeks -
1 week - RUSH
Next Day -

Site Name: NORTHHOLLY
Location of Site: Honeywell - North Hollywood Site -11600 Sherman Way, North Hollywood, CA

Lab ID: DMA

Job No: 1890933.0501

	Sample Identification: Location ID	Start Depth (ft)	End Depth (ft)	Field Sample ID	Sample Date	Sample Time	Sample Type	Sample Matrix	Sample Purpose	# of Cont.	Field Filtered Sample?	Title 22 CAM Metals List (w/o Hg)	SW7470 Title 22 CAM Mercury	SW7199 Chromium VI	SW6020 Thallium	SW8270C MOD 1,4-Dioxane	E314.0 Perchlorate	E8260 Volatile Organics						
											Preservative	0	0	0	0	0	0	0	0	0	0	0	0	0
											Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L						
1	EB			EB-04-2/25/05	2/25/05	0540	EB	Water	Reg	7		X	X	X	X	X	X	X						
2																								
3																								
4																								
5																								
6																								
7																								
8																								
9																								
10																								
11																								
12																								

ICE

Special Instructions: EPA 6010B - Title 22 CAM Metals List - Sb, As, Ba, Be, Cd, Cr, Co, Cu, Pb, Mo, Ni, Se, Ag, Va, Zn; EPA 7470A - Title 22 CAM Metals List - Hg

Relinquished by	Company	MWH	Received by	Company	DMA	Condition		Custody Seals Intact	
	Date/Time	2/25/05 1015		Date/Time		Cooler Temp.			
Relinquished by	Company		Received by	Company		Condition	ICE	Custody Seals Intact	
	Date/Time	2-25-05 11:25		Date/Time	2/25/04 1130	Cooler Temp.	6°C		

Preservatives: 0 = None; [1 = HCL]; [2 = HNO3]; [3 = H2SO4]; [4 = NaOH]; [5 = Zn. Acetate]; [6 = MeOH]; [7 = NaHSO4]; 8 = Other (specify):

3/28/06 104(e)
0821

APPENDIX G

DATA VALIDATION REPORT

M E M O R A N D U M

MWH

Data Validation Report

To: Lisa Hall– Brea
From: Travis Peterson – WCK DEI

Report Ref: Del Mar Analytical
SDGs: IOB1727, IOB1817, IOB1818, IOB1976, IOB1996

Date: March 29, 2005
Site: Honeywell North Hollywood Groundwater Monitoring
Job Number: 1890933
File Reference:

This data validation report has been prepared for the above referenced site and summarizes the review of analytical data submitted by Del Mar Analytical Laboratory located in Irvine, California. Samples were collected February 22nd through 25th, 2005 as part of the First Quarter Groundwater Monitoring event conducted at the former Honeywell site located in North Hollywood, California. A summary of samples collected for this event is included in Table G-1. Twenty-two primary field samples, two field duplicates, and eight field quality control (QC) samples were submitted. **DUP-01-2/24/2005** and **GW-7-2/24/2005** were submitted as a field duplicate pair; **DUP-03-2/25/2005** and **GW-15-2/25/2005** were also submitted as a field duplicate pair. Samples were analyzed by one or more of the following methods:

- Volatile Organic Compounds (VOCs) by United States Environmental Protection Agency (USEPA) method SW8260B
- 1,4-Dioxane by USEPA Method SW8270C
- Perchlorate by USEPA Method 314.0
- Title 22 metals (Sb, As, Ba, Be, Cd, Cr, Co, Cu, Pb, Hg, Mo, Ni, Se, Ag, Tl, V, Zn) by USEPA Methods SW6010B and SW7470A
- Hexavalent chromium by USEPA Method SW7199

Results were reviewed in accordance with the appropriate methods listed above. In addition, the USEPA Contract Laboratory Program National Functional Guidelines for Organic (USEPA 1999) and Inorganic (USEPA 2004) Data Review were used to provide overall guidance for the validation process. The data review included an evaluation of the following QC parameters based on standard performance criteria presented in these documents.

- Analytical Holding Times/Sample Preservation
- Method Blanks and Field Blanks
- Laboratory Control Sample/ Laboratory Control Sample Duplicate (LCS/LCSD) Performance

- Surrogate Percent Recovery
- Matrix Spike/Matrix Spike Duplicate (MS/MSD) Sample Performance
- Field Duplicate Comparison
- Detection Limits

Summary of Findings:

Data were qualified as necessary based on the data validation process described above. Qualified results are listed in Table G-2. All samples arrived at the laboratory in good condition and on ice. All samples were analyzed according to the accompanying chains of custody (COCs). All analytical holding times were met with one exception. Two groundwater samples were analyzed past holding time for hexavalent chromium. Hexavalent chromium in groundwater has a 24-hour holding time. The samples were analyzed within a few hours of expiration. In one case, hexavalent chromium was detected, the result in this sample was qualified as estimated (J). Hexavalent chromium was not detected in the other sample, so the result was qualified as not detected at the estimated reporting limit (UJ).

QC data were reviewed for laboratory and instrument precision and accuracy from LCS/LCSD recoveries and relative percent differences (RPDs), MS/MSD sample recoveries and RPDs, and surrogate recoveries (organic analyses). All precision and accuracy QC elements were found to be within acceptable limits with the following exceptions:

- The MS/MSD RPD associated with the VOC analysis of project sample **GW-6-2/22-05** was greater than the control limit for bromoform, 1,2-dibromo-3-chloropropane, 1,1,2,2-tetrachloroethane, and 1,2,3-trichloropropane. None of these compounds were detected in the parent sample, so no qualifiers were necessary.
- The MS/MSD RPD associated with the VOC analysis of project sample **GW-12A287** was greater than the control limit for styrene and 1,2,4-trimethylbenzene. These compounds were not detected in the parent sample, so no qualifiers were necessary.

Field sampling precision was also evaluated by using the calculated RPD between results reported for the field duplicate pairs, which were project samples **DUP-01-2/24/2005** and **GW-7-2/24/2005**; and **DUP-03-2/25/2005** and **GW-15-2/25/2005.** In general, RPD results were found to be within the acceptable limits for precision for all methods. A few metals and hexavalent chromium did have RPDs that were greater than the control limit. These results were qualified as estimated in the primary field sample.

No target analytes were detected greater than the reporting limit (RL) in any method blank or trip blank samples. The equipment blank samples collected each day had target analytes detected above the RL:

- **EB-01-2/22/05**, associated with the VOCs analysis of four field samples had toluene detected above the RL (1.0 µg/L). Toluene was not detected in any of the associated field samples, so no qualifiers were necessary.

- **EB-02-2/23/05**, associated with the VOCs analysis of seven field samples had toluene detected above the RL (0.70 µg/L). Toluene was not detected in any of the associated field samples, so no qualifiers were necessary.

- **EB-02-2/23/05**, associated with the metals analysis of seven field samples had arsenic detected above the RL (0.0057 mg/L). Two of the samples had low concentrations of arsenic and were qualified as not-detected at the estimated RL.

- **EB-04-2/25/05-F**, associated with two field samples had chloroform detected above the RL (1.4 µg/L). Chloroform was not detected in any of the associated field samples, so no qualifiers were necessary.

Sample dilutions for all analysis were performed appropriately with respect to the analyte present in the highest concentration.

All data submitted for this project are of known and acceptable quality as qualified, based on laboratory-established control limits and the data quality objectives. These data are considered acceptable for their intended purposes.

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GROUNDWATER SAMPLE COLLECTION SUMMARY
HONEYWELL NORTH HOLLYWOOD SITE QUARTERLY MONITORING
NORTH HOLLYWOOD, CALIFORNIA
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Investigation	Field Activity	Location	Field Identification	Sample Type	Collection Date	Collection Time	Lab ID	Title 22CAM Metals List (w/o Hg	SW7470 Title 22 CAM Mercury	SW7199 Chromium VI	SW6020 Thallium	SW8270C MOD 1,4-Dioxane	E314.0 Perchlorate	E8260 Volatile Organics
1st Quarter, 2005	GW Monitoring	GW-06	GW-6-2/22/05	Primary	02/22/05	11:10	IOB1727-01	R	R		R			
1st Quarter, 2005	GW Monitoring	GW-02	GW-2-2/22/05	Primary	02/22/05	12:50	IOB1727-02	R	R		R			
1st Quarter, 2005	GW Monitoring	GW-09	GW-9-2/22/05	Primary	02/22/05	14:10	IOB1727-03			R				R
1st Quarter, 2005	GW Monitoring	--	EB-01-2/22/05	Field QC	02/22/05	10:00	IOB1727-04	R	R	R	R	R	R	R
1st Quarter, 2005	GW Monitoring	GW-08	GW-8-2/22/05	Primary	02/22/05	16:00	IOB1727-05			R				R
1st Quarter, 2005	GW Monitoring	--	TB-022205	Field QC	02/22/05	9:30	IOB1727-06							R
1st Quarter, 2005	GW Monitoring	GW-06	GW-6-2/22/05-F	Primary	02/22/05	11:10	IOB1727-07	R	R		R			
1st Quarter, 2005	GW Monitoring	GW-02	GW-2-2/22/05-F	Primary	02/22/05	12:50	IOB1727-08	R	R		R			
1st Quarter, 2005	GW Monitoring	GW-09	GW-9-2/22/05-F	Primary	02/22/05	14:10	IOB1727-09	R	R		R			
1st Quarter, 2005	GW Monitoring	GW-08	GW-8-2/22/05-F	Primary	02/22/05	16:00	IOB1727-10	R	R		R			
1st Quarter, 2005	GW Monitoring	GW-01	GW-1-2/23/05-F	Primary	02/23/05	8:45	IOB1817-01	R	R		R			
1st Quarter, 2005	GW Monitoring	GW-01	GW-1-2/23/05	Primary	02/23/05	8:45	IOB1817-02			R		R	R	R
1st Quarter, 2005	GW Monitoring	GW-03	GW-3-2/23/05-F	Primary	02/23/05	10:15	IOB1817-03	R	R		R			
1st Quarter, 2005	GW Monitoring	GW-03	GW-3-2/23/05	Primary	02/23/05	10:15	IOB1817-04			R		R	R	R
1st Quarter, 2005	GW Monitoring	GW-14A	GW-14A-PA-2/23/05-F	Primary	02/23/05	11:00	IOB1817-05	R	R		R			
1st Quarter, 2005	GW Monitoring	GW-14A	GW-14A-PA-2/23/05	Primary	02/23/05	11:00	IOB1817-06			R				R
1st Quarter, 2005	GW Monitoring	GW-14A	GW-14A-2/23/05-F	Primary	02/23/05	11:55	IOB1817-07	R	R		R			
1st Quarter, 2005	GW Monitoring	GW-14A	GW-14A-2/23/05	Primary	02/23/05	11:55	IOB1817-08			R				R
1st Quarter, 2005	GW Monitoring	GW-14A	GW-14A-PC-2/23/05-F	Primary	02/23/05	12:55	IOB1817-09	R	R		R			
1st Quarter, 2005	GW Monitoring	GW-14A	GW-14A-PC-2/23/05	Primary	02/23/05	12:55	IOB1817-10			R				R
1st Quarter, 2005	GW Monitoring	GW-14B	GW-14B-PA-2/23/05-F	Primary	02/23/05	15:10	IOB1817-11	R	R		R			
1st Quarter, 2005	GW Monitoring	GW-14B	GW-14B-PA-2/23/05	Primary	02/23/05	15:10	IOB1817-12			R				R
1st Quarter, 2005	GW Monitoring	--	TB-0223005	Field QC	02/23/05	9:05	IOB1817-13							R
1st Quarter, 2005	GW Monitoring	GW-14A	GW-14A-PD-2/23/05	Primary	02/23/05	14:00	IOB1817-14	R	R	R	R		R	R

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GROUNDWATER SAMPLE COLLECTION SUMMARY
HONEYWELL NORTH HOLLYWOOD SITE QUARTERLY MONITORING
NORTH HOLLYWOOD, CALIFORNIA
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Investigation	Field Activity	Location	Field Identification	Sample Type	Collection Date	Collection Time	Lab ID	Title 22CAM Metals List (w/o Hg	SW7470 Title 22 CAM Mercury	SW7199 Chromium VI	SW6020 Thallium	SW8270C MOD 1,4-Dioxane	E314.0 Perchlorate	E8260 Volatile Organics
1st Quarter, 2005	GW Monitoring	--	EB-02-2/23/05	Field QC	02/23/05	15:40	IOB1818-01	R	R	R	R	R	R	R
1st Quarter, 2005	GW Monitoring	GW-14B	GW-14B-2/24/05-F	Primary	02/24/05	18:10	IOB1976-01	R	R		R			
1st Quarter, 2005	GW Monitoring	GW-14B	GW-14B-2/24/05	Primary	02/24/05	18:10	IOB1976-02			R				R
1st Quarter, 2005	GW Monitoring	GW-14B	GW-14B-PC-2/24/05-F	Primary	02/24/05	19:05	IOB1976-03	R	R		R			
1st Quarter, 2005	GW Monitoring	GW-14B	GW-14B-PC-2/24/05	Primary	02/24/05	19:05	IOB1976-04			R				R
1st Quarter, 2005	GW Monitoring	GW-14B	GW-14B-PD-2/24/05-F	Primary	02/24/05	20:50	IOB1976-05	R	R		R			
1st Quarter, 2005	GW Monitoring	GW-14B	GW-14B-PD-2/24/05	Primary	02/24/05	20:50	IOB1976-06			R				R
1st Quarter, 2005	GW Monitoring	GW-07	GW-7-2/24/05-F	Primary	02/24/05	22:30	IOB1976-07	R	R		R			
1st Quarter, 2005	GW Monitoring	GW-07	GW-7-2/24/05	Primary	02/24/05	22:30	IOB1976-08			R				R
1st Quarter, 2005	GW Monitoring	--	DUP-01-2/24/05-F	DUP of GW-7-2/24/05-F	02/24/05	--	IOB1976-09	R	R		R			
1st Quarter, 2005	GW Monitoring	--	DUP-01-2/24/05	DUP of GW-7-2/24/05	02/24/05	--	IOB1976-10			R		R	R	R
1st Quarter, 2005	GW Monitoring	--	TB-022405	Field QC	02/24/05	18:00	IOB1976-11							R
1st Quarter, 2005	GW Monitoring	GW-10	GW-10-2/24/05-F	Primary	02/25/05	00:10	IOB1976-12	R	R		R			
1st Quarter, 2005	GW Monitoring	GW-10	GW-10-2/24/05	Primary	02/25/05	00;10	IOB1976-13			R		R	R	R
1st Quarter, 2005	GW Monitoring	GW-15	GW-15-2/25/05-F	Primary	02/25/05	01:30	IOB1976-14	R	R		R			
1st Quarter, 2005	GW Monitoring	GW-15	GW-15-2/25/05	Primary	02/25/05	01:30	IOB1976-15			R		R	R	R
1st Quarter, 2005	GW Monitoring	--	DUP-03-2/25/05-F	DUP of GW-15-2/25/05-F	02/25/05	--	IOB1976-16	R	R		R			
1st Quarter, 2005	GW Monitoring	--	DUP-03-2/25/05	DUP of GW-15-2/25/05	02/25/05	--	IOB1976-17			R		R	R	R
1st Quarter, 2005	GW Monitoring	--	EB-03-2/25/05-F	Field QC	02/25/05	01:50	IOB1976-18	R	R	R	R	R	R	R
1st Quarter, 2005	GW Monitoring	GW-05	GW-5-2/25/05-F	Primary	02/25/05	03:10	IOB1976-19	R	R		R			
1st Quarter, 2005	GW Monitoring	GW-05	GW-5-2/25/05	Primary	02/25/05	03:10	IOB1976-20			R				R
1st Quarter, 2005	GW Monitoring	GW-04	GW-4-2/25/05-F	Primary	02/25/05	05:10	IOB1976-21	R	R		R			
1st Quarter, 2005	GW Monitoring	GW-04	GW-4-2/25/05	Primary	02/25/05	05:10	IOB1976-22			R				R
1st Quarter, 2005	GW Monitoring	--	EB-04-2/25/05-F	Field QC	02/25/05	0540	IOB1976-23	R	R	R	R	R	R	R

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GROUNDWATER SAMPLE COLLECTION SUMMARY
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Investigation	Field Activity	Location	Field Identification	Sample Type	Collection Date	Collection Time	Lab ID	Title 22CAM Metals List (w/o Hg	SW7470 Title 22 CAM Mercury	SW7199 Chromium VI	SW6020 Thallium	SW8270C MOD 1,4-Dioxane	E314.0 Perchlorate	E8260 Volatile Organics
1st Quarter, 2005	GW Monitoring	GW-12A	GW-12A-287	Primary	02/25/05	--	10B1996-01	R	R	R	R	R	R	R
1st Quarter, 2005	GW Monitoring	GW-12A	GW-12A-322	Primary	02/25/05	--	10B1996-02	R	R	R	R	R	R	R
1st Quarter, 2005	GW Monitoring	GW-12A	GW-12A-350	Primary	02/25/05	--	10B1996-03	R	R	R	R	R	R	R
1st Quarter, 2005	GW Monitoring	--	FB08-W022505	Field QC	02/25/05	--	10B1996-05	--	--	--	--	--	--	R

DUP - duplicate sample
GW - groundwater
QC - quality control
R - Sample received and analyzed by the laboratory
VOC - volatile organic compounds

[a] Title 26 Metals: Sb, As, Ba, Be, Cd, Cr, Co, Cu, Pb, Hg, Mo, Ni, Se, Ag, Tl, V, Zn

TABLE G-2

TABLE OF QUALIFIED DATA
HONEYWELL NORTH HOLLYWOOD SITE QUARTERLY MONITORING
NORTH HOLLYWOOD, CALIFORNIA
(Page 1 of 1)

Sample Identification	Laboratory Identification	Matrix	Method	Parameter	Result	Units	Flag	Bias	Comment
EB-01-2/22/-05	IOB1727-04	Water	SW7199	Hexavalent Chromium	< 0.0010	mg/L	UJ	NDT	Holding time exceeded
GW-1-2/23/05-F	IOB1817-01	Water	SW6010B	Arsenic	< 0.012	mg/L	UJ	NDT	Equipment blank contamination
GW-3-2/23/05-F	IOB1817-03	Water	SW6010B	Arsenic	< 0.0082	mg/L	UJ	NDT	Equipment blank contamination
GW-14A-PD-2/23/05	IOB1817-14	Water	SW7199	Hexavalent Chromium	3.4	mg/L	J	NDT	Holding time exceeded
GW-7-2/24/05-F	IOB1976-07	Water	SW6010B	Barium	0.26	mg/L	J	Low	Field duplicate RPD > CL
GW-7-2/24/05-F	IOB1976-07	Water	SW6010B	Zinc	0.023	mg/L	J	Low	Field duplicate RPD > CL
GW-7-2/24/05	IOB1976-08	Water	SW6010B	Hexavalent Chromium	0.091	mg/L	J	Low	Field duplicate RPD > CL
GW-15-2/25/05-F	IOB1976-14	Water	SW6010B	Barium	0.26	mg/L	J	High	Field duplicate RPD > CL

CL - control limit
J - Result is estimated.
mg/L - milligrams per liter
µg/L - micrograms per liter
NDT - not determined
RPD - relative percent difference
UJ - The result is not detected; however, the reporting limit value is qualified as estimated.

APPENDIX F

MWH IN-SITU CHROMIUM TREATMENT EXPERIENCE SUMMARY
May 2005

MWH In-Situ Chromium Treatment Experience Summary
May 2005

Project	Project Location	Key Elements	Regulatory Oversight	Description
Hexavalent Chromium Remediation	Coast Wood Ukiah, CA	▪ Soil and Groundwater Remedial Action ▪ Regulatory Negotiation	DTSC North Coast RWQCB U.S. EPA, Region IX	Groundwater extraction and aboveground electrochemical treatment for remediation of hexavalent chromium, followed by infiltration trenching and direct injection for clean-up of chromium, copper, and hexavalent chromium-impacted soils. Hexavalent chromium concentrations decreased an order of magnitude over the first 2 years after reductant introduction.
Superfund Site Hexavalent Chromium Remediation	Valley Wood Turlock, CA	▪ Pilot Test ▪ Regulatory Negotiation ▪ Remedial Design and Operation	U.S. EPA, Region IX DTSC Central Valley RWQCB	Pilot tested geochemical fixation to control hexavalent chromium at this Federal Superfund site. The *in-situ* fixation treatment design included groundwater extraction, aboveground treatment, and injection. Closure monitoring is currently being discussed with U.S. EPA. Use of this *in-situ* method saved our client approximately $10 million as compared to 50 years of pump and treat system operation.
In-Situ Geochemical Fixation	Ecodyne Superfund Site Windsor, CA	▪ Regulatory Negotiation ▪ Pilot Study ▪ Full Scale Treatment ▪ Designed Soil Remedy	North Coast RWQCB DTSC	Negotiated, designed, and implemented full-scale pilot study to treat hexavalent chromium-impacted groundwater via *in-situ* geochemical fixation. The *in-situ* chromium reduction remediation reduced estimated cost to closure by as much as 80 percent, expedited cleanup by more than 10 years, and eliminated pump-and-treat costs of $250,000 per year using a series of gravel-filled trenches constructed around the existing plant foundations. The site is currently being monitored to verify the long-term effectiveness of the approach.
In-Situ Chromium Reduction	Marley Cooling Tower Stockton, CA	▪ Regulatory Negotiation ▪ Phased Pilot Study	Central Valley RWQCB DTSC	Developed conceptual design and implemented first phase of a pilot test for *in-situ* chemical reduction of groundwater impacted by hexavalent chromium. Initial phase of pilot test reduced hexavalent chromium levels from 10^{+}ppm to non-detect in less than 100 days. Designed and initiated second phase of pilot study to remediate the upgradient portion of the hexavalent chromium plume, with monitoring on-going. *In-situ* treatment is estimated to reduce the time to closure by 25 years and the cost to closure by over $20M.
In-Situ Geochemical Fixation of Hexavalent Chromium	Former Boeing C-1 Facility Long Beach, CA	▪ Pilot Study ▪ Regulatory Negotiation ▪ Remedial Design and Operation for Treatment of Soil and Groundwater	Los Angeles RWQCB	Pilot tested geochemical fixation of hexavalent chromium-impacted groundwater using a variety of injection techniques, reducing concentrations from greater than 50 mg/L to non-detectable levels. Successfully secured regulatory approval and necessary permits for full-scale implementation. Designed and are currently operating remedial program. In less than 4 months we delivered approximately 1,000,000 gallons of reductant solution to the groundwater via direct-

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Project	Project Location	Key Elements	Regulatory Oversight	Description
				push rods, eliminating the installation of additional wells and saving our client several hundred thousand dollars. Reductant solution was also infiltrated through a basin in a relatively small area to reduce hexavalent chromium concentrations in soil.
In-Situ Chromium Reduction	Carter Holt Harvey, Forwood Products, Mt Gambier, So Australia	• Conducted site assessment in cavernous limestone at active industrial plant • System design utilized monitoring wells to form reactive barrier across plume. • Reagent delivery involved injection wells, infiltration trenches and basin. • First in-situ remediation in Australia, involved regulatory interaction	South Australian Environmental Protection Agency	The site was over a cavernous limestone aquifer, used as the source of supply for a city of 25,000 people, and a major tourist attraction, "Blue Lake". Initial remediation involved pumping from within the plume under the active plant, treating with reductant and injecting around the plume margin. Later, the plant was decommissioned and an infiltration basin installed at the former plant site. Remediation was accomplished in approximately 2 years after basin construction. The total cost was approximately A$2,000,000, in contrast to an estimate of A$35,000,000 for a conventional approach. The site is now certified as remediated by the SA EPA.
In-Situ Chromium Remediation	Universal Forest Products Granger, IN	• Achieved regulatory closure using *in-situ* methods under a Voluntary Cleanup Program • Reduced costs by 50% over continued Pump-and-Treat system • Provided acceptable remediation solution to sensitized urban neighbors that use the aquifer for drinking water	Indiana Voluntary Remediation Program	Designed and implemented an *in-situ* program to remediate four separate chromium plumes in a highly permeable sand aquifer. Two different reductants were used depending on plume conditions. One plume was cleaned to non-detect levels within 6 weeks of initiation of *in-situ* activities. All four plumes are covered by a Notice of Completion under the Indiana Voluntary Remediation Program.

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MWH In-Situ Chromium Treatment Experience Summary
May 2005

Project	Project Location	Key Elements	Regulatory Oversight	Description
In-Situ Chromium Reduction Pilot Test	Shieldalloy Metallurgical Corporation Newfield, NJ	▪ Pilot Test ▪ Challenging geochemical conditions		A pilot study was conducted to evaluate the feasibility of using *in-situ* hexavalent chromium reduction to supplement an existing pump-and-treat system. Calcium polysulfide reductant solution was injected into an existing monitoring well. Even under challenging geochemical conditions – specifically, groundwater at a pH of 12 and total dissolved solids several times that of seawater – hexavalent chromium concentrations were reduced from 39 mg/L to below detection limits. The geochemical conditions at this site have resulted in the formation of a dense brine layer at the base of the aquifer, and investigations are ongoing to determine its extent and potential effects on full-scale *in-situ* remediation efforts.
In-Situ Chromium Reduction Demonstration	Kaydon Ring and Seal Baltimore, MD	▪ Field-scale demonstration ▪ Treatment of unsaturated and saturated zones		Chromium contamination exists in the unsaturated fill, and saturated soil and bedrock under this chromium plating plant as a result of leaks dating back to World War II. A field-scale demonstration was completed under one of the plating lines by breaking up the floor, installing an infiltration bed, and percolating reductant solution through the fill into the groundwater. The effectiveness of the approach was determined through the collection and analysis of samples from a series of piezometers in the saturated zone and from a series of vacuum lysimeters in the unsaturated zone. The results of these analyses proved the feasibility of this approach.
In-Situ Chromium Reduction Emergency Interim Control	Power Engineering Denver, CO	▪ Potential river impacts ▪ Saturated zone reactive barrier ▪ Unsaturated zone treatment ▪ Emergency interim control measure		Chromium plating operations at this plant had resulted in a hexavalent chromium plume that extended from the facility to the South Platte River. As an interim emergency control measure, borehole placement of reductant solution was used to form a reactive barrier across the plume. *In-situ* reduction of hexavalent chromium in the vadose zone was also initiated by injecting reductant solution through a series of horizontal boreholes beneath the floor slab of the facility.
In-Situ Chromium Remediation	Foremost Environmental Solutions Glenwood Springs, CO	▪ Potential river impacts ▪ Regulatory negotiation ▪ Full-scale remediation design and implementation	Colorado Health Department	This former plating facility is located on the shore of the Colorado River in an area of extensive recreational fishing and rafting. Foremost acquired the property with the understanding that they also acquired the liability of a plume of hexavalent chromium that was discharging into the river. An infiltration basin was constructed in which calcium polysulfide reductant and a carbon source (to aid in bacterial growth) were infiltrated, resulting in reduction of the

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MWH In-Situ Chromium Treatment Experience Summary
May 2005

Project	Project Location	Key Elements	Regulatory Oversight	Description
				chromium to the trivalent state and the precipitation of the chromium as a hydroxide. This site is considered remediated by the Colorado Health Department.
In-Situ Chromium Remediation	REMCO Industries Willits, CA	▪ Pilot test ▪ Full-scale remediation design and implementation ▪ Chromium reduction with reductive dechlorination of TCE ▪ Hydrofracture injection	North Coast Regional Water Quality Control Board	This former chromium plating site is underlain by low-permeability silts and clays that have prevented remediation via conventional pump-and-treat methods. Pilot tests were performed to demonstrate that the direct-push hydrofracturing approach is appropriate at this site, and that the reductant solution used will not only reduce the hexavalent chromium to the trivalent form, but will also achieve reductive dechlorination of the TCE. Full-scale remediation design and implementation is ongoing.

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