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Attorneys for Petitioners
GGL-Pan, LLC, Jan-Pan, LLC,
Ron-Pan, LLC, and Schaefer-Pan, LLC

STATE OF CALIFORNIA

STATE WATER RESOURCES CONTROL BOARD

In The Matter of the Petition of	Petition Number:
GGL-Pan, LLC, Jan-Pan, LLC, Ron-Pan, LLC and Schaefer-Pan, LLC, Petitioners.	PETITION FOR REVIEW OF LARWQCB INVESTIGATIVE ORDER NO. R4-2014-0103 DATED JUNE 16, 2014

INTRODUCTION AND SUMMARY

Petitioners GGL-Pan, LLC, Jan-Pan, LLC, Ron-Pan, LLC, and Schaefer-Pan, LLC (collectively, "Petitioners") respectfully petition the California State Water Resources Control Board ("State Board") pursuant to California Water Code section 13320 and California Code of Regulations ("CCR") title 23, section 2050 to review the California Regional Water Quality Control Board, Los Angeles Region's ("Regional Board") Investigative Order No. R4-2014-0103, issued pursuant to California Water Code section 13267 and dated June 16, 2014 ("Order"). Petitioners also request that the State Board hold this Petition in abeyance pursuant to CCR title 23, section 2050.5(d).

Although Petitioners do not request a stay of the Order at this time and intend to cooperate with the other named discharger, Teledyne Technologies Incorporated ("Teledyne"), in its efforts to comply with the Order by providing data and reviewing and commenting on Teledyne's draft

report and work plan prepared under the Order, Petitioners seek to preserve their rights to protect themselves from any action or inaction that violates Petitioners' rights or applicable law.

PETITION FOR REVIEW

Pursuant to CCR title 23, section 2050, Petitioners provide the following information in support of this Petition:

1. CONTACT INFORMATION OF PETITIONERS

The name, address, telephone number, and email address of Petitioners' primary contact is:

GGL-Pan, LLC, Jan-Pan, LLC, Ron-Pan, LLC, and Schaefer-Pan, LLC
c/o Ronald Lushing
2029 Century Park East, Suite 1040
Los Angeles, CA 90067
Telephone: (310) 550-1144
Email: rlushing@mac.com

However, Petitioners should be contacted through their legal counsel:

David E. Cranston and Brian E. Moskal
Greenberg Glusker Fields Claman & Machtinger LLP
1900 Avenue of the Stars, Suite 2100
Los Angeles, California 90067
Telephone: (310) 553-3610
Email: dcranston@greenbergglusker.com and bmoskal@greenbergglusker.com

Ira Waldman & Perry Hughes
Cox, Castle & Nicholson LLP
2049 Century Park East, 28th Floor
Los Angeles, CA 90067
Telephone: (310) 284-2200
Email: iwaldman@coxcastle.com and phughes@coxcastle.com

2. ACTIONS FOR WHICH PETITIONERS SEEK REVIEW

Petitioners seek review of Regional Board Investigative Order No. R4-2014-0103, dated June 16, 2014 ("Order"). Specifically, they have been named as primary dischargers, and they instead should have been named only as secondary dischargers, it at all, responsible for compliance only if Teledyne, the appropriate primary discharger, fails to comply. A true and correct copy of the Order and its cover letter are included as Exhibit A in Petitioners' Appendix in Support of Petition ("Appendix") submitted herewith.

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3. DATE ON WHICH THE REGIONAL BOARD ACTED

The Regional Board issued the Order and sent it to Petitioners by certified mail and email on June 16, 2014.

4. STATEMENT OF REASONS WHY THE ACTION WAS INAPPROPRIATE OR IMPROPER

As discussed more fully in Petitioners' Points and Authorities in Section 7, the Regional Board's finding in paragraph 4 of the Order that Petitioners are "parties responsible for the discharges of waste" at the property constitutes an abuse of discretion to the prejudice of Petitioners by naming them as primary dischargers. They instead should have been named only as secondary dischargers, it at all, responsible for compliance only if Teledyne, the appropriate primary discharger, fails to comply.

5. THE MANNER IN WHICH PETITIONERS ARE AGGRIEVED

Petitioners are aggrieved because they have been named as primary dischargers, and they instead should have been named only as secondary dischargers, it at all, responsible for compliance only if Teledyne, the appropriate primary discharger, fails to comply.

6. SPECIFIC ACTION PETITIONERS REQUEST OF THE STATE BOARD

Petitioners respectfully request that the State Board: (1) accept this Petition; (2) determine that the Order is inappropriate and improper to the extent the Regional Board named Petitioners as primary dischargers instead of secondary dischargers, it at all, responsible for compliance only if Teledyne, the appropriate primary discharger, fails to comply; and (3) direct the Regional Board to amend the Order to name Teledyne as primary discharger and Petitioners as secondary dischargers, if at all, responsible for compliance with the Order only if Teledyne fails to comply. However, Petitioners request that the State Board hold the Petition in abeyance at this time pursuant to CCR, title 23, section 2050(d), and they reserve the right to supplement the Petition.

Although Petitioners have not requested a stay of the Order at this time, they request that findings contained in the Order be made accurate. Petitioners also seek to preserve their rights to protect themselves from any action or inaction that violates their rights or applicable law, including being improperly and inappropriately named primary dischargers in the Order.

7. STATEMENT OF POINTS AND AUTHORITIES IN SUPPORT OF THE PETITION

Petitioners provide the following points and authorities demonstrating that the Regional Board abused its discretion in naming Petitioners as primary dischargers instead of secondary dischargers, it at all, responsible for compliance only if Teledyne, the appropriate primary discharger, fails to comply.

A. Procedural and Factual Background

The procedural and factual background of this matter is set forth below.

1. The Order's Requirements

The Order requires Teledyne and Petitioners to submit to the Regional Board by August 15, 2014 a site assessment summary report that describes all site assessment activities completed to date to delineate the horizontal and vertical extent of affected soil, soil gas, and groundwater. Exhibit A (Order), p. 3. The Order also requires Teledyne and Petitioners to submit to the Regional Board by August 30, 2014 a work plan to complete the delineation of the horizontal and vertical extent of affected soil, soil gas, and groundwater. *Id.*

2. Teledyne Caused Waste Discharges and Resulting Property Contamination

The Order describes how the site became contaminated:

> "Teledyne . . . facilities have operated at the approximately 5.7 acre site in the City of Los Angeles under a lease as a tenant from the early 1960's[1] [sic] until approximately late 2013. . . . During their occupancy of the property, Teledyne conducted aerospace and electronic component manufacturing operations at the site. *Due to this historical use at the site*, soil and groundwater underlying the site have been affected by volatile organic compounds (VOCs) including tetrachloroethene (PCE) and trichloroethene (TCE), and

[1] The evidence demonstrates, and Teledyne has not disputed, that Teledyne's predecessor began operating at the site in 1957.

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Title 22 metals including antimony, arsenic, cadmium, chromium, nickel, and selenium."

Exhibit A (Order), p. 1 (emphasis added).

3. Petitioners Did Not Engage in Operations, Cause Waste Discharges, or Know About Teledyne's Operations and Waste Discharges

Petitioners, by contrast, are a set of family-owned and operated companies whose family has owned the property for generations. Exhibit B, Declaration of Ronald Lushing, ¶ 2 (attached to Appendix). Neither Petitioners nor their predecessors-in-interest to the property ever engaged in any operations at the property associated with wastes, including discharge of wastes. *Id.* ¶ 6. They also had no knowledge that their lessee Teledyne's operations could result in the discharge of waste at the property. *Id.* ¶ 7. They knew Teledyne was producing a product at the property, but until near the end of Teledyne's lease term, they knew nothing more specific, including the nature of Teledyne's operations, the substances it used, the process and other wastes it generated, how Teledyne disposed of those wastes, or that Teledyne's operations caused releases of wastes to the property and its subsurface. *Id.* ¶ 8. Petitioners' representative, Ronald Lushing, recalls visiting the property approximately once every five years to attend meetings, primarily to attend to lease-related matters. *Id.* ¶ 4. He did not inspect Teledyne's operations during those visits until near the end of Teledyne's lease term. *Id.*

The Order bolsters Petitioners' lack of knowledge about Teledyne's operations and waste discharges. It does not indicate that Petitioners engaged in any operations at the property associated with wastes including those at issue in the Order. Nor does the Order state that Petitioners have ever discharged or are suspected of having discharged those wastes (or any others).

Further, no evidence in the record at the time the Regional Board issued the Order controverts Petitioners' lack of culpability for property operations and waste discharges. None of that evidence, which is cited in the Order, indicates – or even suggests – Petitioners engaged in any such operations or were involved with any such actual or threatened discharges (or knew

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about those of Teledyne). The Order states that the Regional Board's evidence consists of "preliminary data submissions, a draft site assessment summary report, and a draft removal action work plan indicating there has been a discharge of waste from the site." Exhibit A (Order), p. 2. A draft Removal Action Work Plan prepared by Alta Environmental ("Alta") for Teledyne, dated July 10, 2013, which also contains site assessment information and was submitted to the Regional Board that same day, is included in the Appendix as Exhibit C. The Order appears to refer to this report as the "draft site assessment summary report, and a draft removal action work plan." The report simply identifies Petitioners as property owners. Exhibit C, pp. 1, 2. It references no operations or actual or threatened waste discharges by Petitioners.

A May 16, 2013 letter from Teledyne to the Regional Board about the property attaching preliminary data is included in the Appendix as Exhibit D. These documents appear to constitute the "preliminary data submissions" referenced in the Order. Like the report discussed above, this data submission does not indicate Owners engaged in any operations involving, or caused actual or threatened discharges of, wastes at the property.

B. The Regional Board Abused Its Discretion by Not Naming Teledyne the Primary Discharger and Petitioners Secondary Dischargers

Given the Regional Board's finding that Teledyne's activities caused the property contamination at issue in the Order, coupled with the uncontroverted evidence that Owners never engaged in operations at the Property that caused waste discharges or knew about Teledyne's operations and discharges, the Regional Board abused its discretion by not naming Teledyne a primary discharger and Petitioners secondary discharges responsible for complying with the Order only if Teledyne failed to do so.

Under controlling State Board precedent, the Regional Board should have exercised its discretion to name Teledyne the primary responsible party and Petitioners secondary responsible parties. In its decision *In the Matter of the Petitions of Aluminum Company of America, et al.*, Order No. WQ 93-9, the State Board found:

> "All of this Board's orders addressing primary versus secondary liability have made a distinction between those parties who were

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> considered responsible parties due solely to their land ownership . . . and those parties who actually operated the facility or otherwise caused the discharge in question. [Citing seven State Board decisions so holding.] This distinction has been made primarily for equitable reasons. *The Board has concluded that the initial responsibility for cleanup should be with the operator or the party who created the discharge*."

Id. at p. 12 n.8 (July 22, 1993) (emphasis added; citations omitted). As indicated in this decision, numerous State Board decisions support this distinction between primarily and secondarily liable parties.

This case falls squarely within this rule. Petitioners are "considered responsible parties due solely to their landownership." *See id.*; Exhibit A (Order), p. 2 ("This Order identifies Teledyne and [Petitioners] as the parties responsible for the discharges of waste . . . because you leased/operated (Teledyne) and *owned (Ron Pan, LLC et al.)* the property on which the waste has been discharged.") (emphasis added). Teledyne, by contrast, is one of "those parties who actually operated the facility or otherwise caused the discharge in question." *See id.*; Exhibit A (Order), p. 1 (". . . Teledyne conducted aerospace and electronic component manufacturing operations at the site. *Due to this historical use at the site*, soil and groundwater underlying the site have been affected by" various wastes.) (emphasis added).

The *Aluminum Company of America* decision also provides factors "which are appropriate for the Regional Water Boards to consider in determining whether a party should be held secondarily liable. These include: (1) whether or not the party initiated or contributed to the discharge; and (2) whether those parties who created or contributed to the discharge are proceeding with cleanup." *Id.* (citing decisions). Regarding the first factor, as set forth above, Petitioners did not initiate or contribute to the discharge. They are passive owners who engaged in no operations involving discharge of wastes.

Regarding the second factor, Teledyne, the party that caused the discharges at the Property, as set forth in the Order and other evidence in the record, has entered into a Voluntary

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Cleanup Agreement with the Regional Board, conducted investigation work, and has expressed a willingness to proceed with the additional investigation work required by the Order (as well as certain contaminated soil excavation work). Exhibit E (June 13, 2013 Site Cleanup Program Oversight Cost Reimbursement Account – The Panama Site, 12922 Panama Street, Los Angeles, CA 90066 [SCP No. 1292], attaching Teledyne's Acknowledgement of Receipt of Oversight Cost Reimbursement Account Letter) (attached to Appendix). Accordingly, both factors set forth by the State Board for naming Teledyne the primary discharger and Petitioners secondary dischargers are satisfied.

A review of additional State Board decisions in which a party was designated secondarily liable, including some of those cited in the *Aluminum Company of American* ruling, strongly supports such a designation here for Petitioners, if they are named dischargers at all. Like the *Aluminum Company of America* decision, these rulings involve property owners, similar to Petitioners, who neither caused nor contributed to the discharge and where, as here, there is one or more solvent dischargers who have undertaken work at the property and appear willing to continue doing so.

For example, in *Petition of Prudential Insurance Company of America*, Order No. WQ 87-6 (June 18, 1997), the State Board applied the distinction over the objection of the Regional Board and ruled that "the unique facts of th[e] case (a long-term lease with little actual access along with a cleanup that was well under way) justified putting the landowner in a position where it would have no obligations under the order unless and until the other parties defaulted on their's [sic]." *See In the Matter of the Petitions of Wenwest, Inc., et al.*, Order No. 92-13 (Oct. 22, 1992), pp. 7-8 (discussing *Prudential* decision). This case also involves a long-term, 57-year tenancy where, as indicated above, the Petitioners' representative only visited the site approximately once every five years for meetings and thus had little actual access to the property. And similarly, the investigation that is the subject of the Order is "well under way." *See id.*

There are multiple similar State Board Decisions. *See, e.g., Wenwest, Inc., supra*, pp. 7-8 (finding the current owner a secondarily liable party because "[w]hile she is the current landowner, it is clear that she neither caused nor permitted the activity which led to the

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discharge").

Applying the primary/secondary distinction is also supported by controlling case law. *See City of Arcadia v. State Water Res. Control Bd.*, 135 Cal. App. 4th 1392, 1413 (2006) (Water Code section 13267 permits a Regional Board to "require[] *a polluter* to furnish 'technical or monitoring program reports' . . . .") (emphasis added).

Accordingly, given Teledyne's responsibility for contamination at the property and Petitioners lack of such responsibility and lack of knowledge of Teledyne's operations and discharges, the Regional Board abused its discretion by naming Petitioners as primary dischargers. They instead should have been named only as secondary dischargers, it at all, responsible for compliance only if Teledyne, the appropriate primary discharger, fails to comply.

* * *

Petitioners request that the State Board hold this Petition in abeyance pursuant to CCR title 23, section 2050.5(d). Petitioners reserve the right to supplement this statement of points and authorities if the event the Executive Officer or Regional Board take further action (or inaction) that necessitate Petitioners requesting the State Board to convert this petition to active status.

8. STATEMENT THAT THE PETITION WAS SENT TO THE REGIONAL BOARD AND DISCHARGER

A true and correct copy of this Petition is being sent to the Regional Board via email and First Class Mail on July 16, 2014, to the attention of Samuel Unger, Executive Officer. A true and correct copy of the correspondence reflecting the transmission is included in the Appendix as Exhibit F. In addition, a true and correct coy of this Petition is being sent to counsel for Teledyne, the appropriately named discharger. A true and correct copy of the correspondence reflecting the transmission is included in the Appendix as Exhibit G.

9. STATEMENT THAT ISSUES WERE RAISED BEFORE THE REGIONAL BOARD, OR AN EXPLANATION WHY PETITIONER WAS UNABLE TO RAISE SUBSTANTIVE ISSUES BEFORE THE REGIONAL BOARD

Petitioners raised the issues addressed in this Petition with the Regional Board in letters dated April 8, 2014 and May 16, 2014. True and correct copies of each of these letters are

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included in the Appendix as Exhibits H and I, respectively. In addition, David Cranston, counsel for Petitioners, again raised the issues addressed in this Petition with Jeff Brooks, P.G., of the Regional Board, in a telephone call on July 15, 2014. Exhibit J, Email from David Cranston, counsel for Petitioners, to Jeff Brooks, P.G., Regional Board (attached to Appendix).

10. COPY OF REQUEST FOR RECORD TO THE REGIONAL BOARD

Petitioners request that the Petition be held in abeyance pursuant to CCR title 23, section 2050.5(d) and reserve the right to request that the Regional Board prepare the record.

11. REQUEST FOR HEARING

Petitioners request that the Petition be held in abeyance pursuant to CCR title 23, section 2050.5(d) and reserve the right to request a hearing.

12. REQUEST TO HOLD THE PETITION IN ABEYANCE

Petitioners request that the Petition be held in abeyance pursuant to CCR title 23, section 2050.5(d).

DATED: July 16, 2014

Respectfully submitted,

GREENBERG GLUSKER FIELDS CLAMAN & MACHTINGER LLP

By: _____

DAVID E. CRANSTON
BRIAN E. MOSKAL
Attorneys for Defendants and Counterclaimants GGL-PAN, LLC, JAN-PAN, LLC, RON-PAN, LLC, and SCHAEFER-PAN, LLC

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Los Angeles, California 90067-4590

PROOF OF SERVICE

I, Susan Lopez, declare:

I am a citizen of the United States and employed in Los Angeles County, California. I am over the age of eighteen years and not a party to the within-entitled action. My business address is 1900 Avenue of the Stars, 21st Floor, Los Angeles, California 90067. On July 16, 2014, I served a copy of the within document(s):

PETITION FOR REVIEW OF LARWQCB INVESTIGATIVE ORDER NO. R4-2014-0103 DATED JUNE 16, 2014

☒ by transmitting via facsimile the document(s) listed above to the fax number(s) set forth below on this date before 5:00 p.m.

☒ by placing the document(s) listed above in a sealed envelope with postage thereon fully prepaid, the United States mail at Los Angeles, California addressed as set forth below.

☐ by placing the document(s) listed above in a sealed _____ envelope and affixing a pre-paid air bill, and causing the envelope to be delivered to a _____ agent for delivery.

☐ by personally delivering the document(s) listed above to the person(s) at the address(es) set forth below.

☒ by transmitting via e-mail or electronic transmission the document(s) listed above to the person(s) at the e-mail address(es) set forth below.

State Water Resources Control Board
Office of the Chief Counsel
Jeannette L. Bashaw, Legal Analyst
P.O. BOX 100
Sacramento, CA 95812-0100
Email: jbashaw@waterboards.ca.gov
Fax: (916)341-5199

I am readily familiar with the firm's practice of collection and processing correspondence for mailing. Under that practice it would be deposited with the U.S. Postal Service on that same day with postage thereon fully prepaid in the ordinary course of business. I am aware that on motion of the party served, service is presumed invalid if postal cancellation date or postage meter date is more than one day after date of deposit for mailing in affidavit.

I declare under penalty of perjury under the laws of the State of California that the above is true and correct.

I declare under penalty of perjury under the laws of the State of California that the above is true and correct.

Executed on July 16, 2014, at Los Angeles, California.

Susan Lopez

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Attorneys for Petitioners
GGL-Pan, LLC, Jan-Pan, LLC,
Ron-Pan, LLC, and Schaefer-Pan, LLC

STATE OF CALIFORNIA

STATE WATER RESOURCES CONTROL BOARD

In The Matter of the Petition of	Petition Number:
GGL-Pan, LLC, Jan-Pan, LLC, Ron-Pan, LLC and Schaefer-Pan, LLC, Petitioners.	APPENDIX IN SUPPORT OF THE PETITION FOR REVIEW OF LARWQCB INVESTIGATIVE ORDER NO. R4-2014-0103 DATED JUNE 16, 2014

GGL-PAN, LLC, JAN-PAN, LLC, RON-PAN, LLC, AND SCHAEFER-PAN, LLC's

APPENDIX IN SUPPORT OF PETITION FOR REVIEW

EXHIBIT	DATE	DESCRIPTION
A	June 16, 2014	Los Angeles Regional Water Quality Control Board ("Regional Board") Investigative Order No. R4-2014-0103
B	July 16, 2014	Declaration of Ronald Lushing
C	July 10, 2013	Draft Removal Action Work Plan, prepared by Alta Environmental for Teledyne Technologies Incorporated ("Teledyne")
D	May 16, 2013	Letter from Teledyne to the Regional Board requesting Site Cleanup Program oversight agreement and attaching preliminary property data

E	June 13, 2013	Site Cleanup Program Oversight Cost Reimbursement Account – The Panama Site, 12922 Panama Street, Los Angeles, CA 90066 (SCP No. 1292), attaching Teledyne's Acknowledgement of Receipt of Oversight Cost Reimbursement Account Letter
F	July 16, 2014	Letter from Brian Moskal, Petitioners' counsel, to Samuel Unger, Executive Officer, Regional Board, enclosing Petition and Appendix of Exhibits
G	July 16, 2014	Letter from Brian Moskal, Petitioners' counsel, to Susan Germaise and Dana Palmer, Teledyne's counsel, enclosing Petition and Appendix of Exhibits
H	April 8, 2014	Letter from David Cranston, Petitioners counsel, to Dr. Kwang-il Lee, Regional Board
I	May 16, 2014	Letter from David Cranston, Petitioners' counsel, to Dr. Kwang-il Lee, Regional Board
J	July 15, 2014	Email from David Cranston, Petitioners' counsel, to Jeff Brooks, P.G., Regional Board

DATED: July 16, 2014

Respectfully submitted,

GREENBERG GLUSKER FIELDS CLAMAN & MACHTINGER LLP

By: _____

DAVID E. CRANSTON
BRIAN E. MOSKAL
Attorneys for Petitioners GGL-PAN, LLC, JAN-PAN, LLC, RON-PAN, LLC, and SCHAEFER-PAN, LLC

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PROOF OF SERVICE

I, Susan Lopez, declare:

I am a citizen of the United States and employed in Los Angeles County, California. I am over the age of eighteen years and not a party to the within-entitled action. My business address is 1900 Avenue of the Stars, 21st Floor, Los Angeles, California 90067. On July 16, 2014, I served a copy of the within document(s):

APPENDIX IN SUPPORT OF THE PETITION FOR REVIEW OF LARWQCB INVESTIGATIVE ORDER NO. R4-2014-0103 DATED JUNE 16, 2014

☒ by transmitting via facsimile the document(s) listed above to the fax number(s) set forth below on this date before 5:00 p.m.

☒ by placing the document(s) listed above in a sealed envelope with postage thereon fully prepaid, the United States mail at Los Angeles, California addressed as set forth below.

☐ by placing the document(s) listed above in a sealed _____ envelope and affixing a pre-paid air bill, and causing the envelope to be delivered to a _____ agent for delivery.

☐ by personally delivering the document(s) listed above to the person(s) at the address(es) set forth below.

☒ by transmitting via e-mail or electronic transmission the document(s) listed above to the person(s) at the e-mail address(es) set forth below.

State Water Resources Control Board
Office of the Chief Counsel
Jeannette L. Bashaw, Legal Analyst
P.O. BOX 100
Sacramento, CA 95812-0100
Email: jbashaw@waterboards.ca.gov
Fax: (916)341-5199

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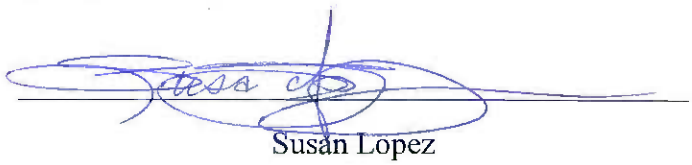
Los Angeles, California 90067-4590

I declare under penalty of perjury under the laws of the State of California that the above is true and correct.

Executed on July 16, 2014, at Los Angeles, California.



Susan Lopez

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EXHIBIT A

California Water Boards

Edmund G. Brown Jr.
governor

Matthew Rodriquez
secretary for
environmental protection

Los Angeles Regional Water Quality Control Board

June 16, 2014

Teledyne Technologies, Inc.
C/O Dana Palmer, Esq.
McGuire Woods, LLP
1800 Century Park East, 8th Floor
Los Angeles, CA 90067

CERTIFIED MAIL
RETURN RECEIPT REQUESTED
7001 0360 0000 3649 3187

Ron Pan, LLC; GGL Pan, LLC;
Jan Pan, LLC; & Schaefer Pan, LLC
C/O David E. Cranston, Esq.
Greenberg, Glusker, Fields, Claman, &
Machtinger, LLP
1900 Avenue of the Stars, 21st Floor
Los Angeles, CA 90067

CERTIFIED MAIL
RETURN RECEIPT REQUESTED
7001 0360 0000 3649 3194

SUBJECT: REQUIREMENT FOR TECHNICAL REPORTS PURSUANT TO CALIFORNIA WATER CODE SECTION 13267 ORDER

SITE: 12908, 12910, 12918, 12920, 12922, 12930, 12950, & 12964 PANAMA STREET, LOS ANGELES, CALIFORNIA 90066 (Site No. ID 2040430, SCP No. 1292)

Dear: Messrs. Palmer and Cranston:

The California Regional Water Quality Control Board, Los Angeles Region (Regional Board) is the State regulatory agency responsible for protecting water quality in Los Angeles and Ventura Counties. To accomplish this, the Regional Board issues investigative orders authorized by the Porter-Cologne Water Quality Control Act (California Water Code [CWC], Division 7). The Regional Board has reviewed the *draft 2013 site assessment report* and *draft 2013 removal action work plan* for the Panama Site property at 12908, 12910, 12918, 12920, 12922, 12930, 12950, & 12964 Panama Street, Los Angles, California 90066 (Site Cleanup Program Number 1268) and determined that soils and groundwater have been impacted by chlorinated solvents including tetrachloroethene (PCE) and trichloroethene (TCE) and Title 22 metals including antimony, arsenic, cadmium, chromium, nickel, and selenium.

Enclosed is a Regional Board Order (Order) requiring submittal of technical reports and work plans, pursuant to CWC section 13267, documenting the current conditions of the site, and all previous site assessment and remediation work performed at the site.

As of November 1, 2011, the Regional Board has implemented a paperless office system to reduce our paper use, increase efficiency, and provide a more effective way for our staff, the public and interested parties to view water quality documents in electronic form. Please submit an electronic copy of the required technical reports into the Regional Boards online document portal, GeoTracker. The Panama site is listed in GeoTracker under Global Identification Number 2040430. Should there be any oversize documents, please submit a paper copy of the oversize pages to the Regional Board.

If you have any questions regarding this project, please contact Mr. Jeff Brooks at (213) 620-6070 or Jeff.Brooks@waterboards.ca.gov, or Unit Chief, Dr. Kwang-il Lee at (213) 576-6734 or Kwangil.Lee@waterboards.ca.gov.

Sincerely,

for Paula Rasmussen
Samuel Unger, PE
Executive Officer

Enclosure: CWC Section 13267 Order No. R4-2014-0103

Cc: Melanie S. Cibik, Esq., Teledyne (via email only)
Brian E. Moskal, Esq., Greenberg Glusker, LLP (via email only)
Caroline Heindel, Esq., Greenberg GLucker, LLP (via email only)
Perry Hughes, Esq., Cox, Castle and Nicholson (via email only)
Ira Waldman, Esq., Cox, Castle and Nicholson (via email only)
Mike Cassidy, Alta Environmental (via email only)

ORDER TO PROVIDE A TECHNICAL OR MONITORING REPORT ON

INVESTIGATIVE ORDER NO. R4-2014-0103

CALIFORNIA WATER CODE SECTION 13267
DIRECTED TO TELEDYNE TECHNOLOGIES, INCORPORATED; AND RON PAN, LLC; GGL PAN, LLC;
JAN PAN, LLC; & SCHAEFER PAN, LLC

PANAMA SITE
12908, 12910, 12918, 12920, 12922, 12930, 12950, & 12964 PANAMA STREET, LOS ANGELES, CALIFORNIA 90066
[SITE ID NO. 2040430, CASE NO. 1292]

The Regional Water Quality Control Board, Los Angeles Region (Regional Board) makes the following findings and issues this Order pursuant to California Water Code section 13267.

1. Teledyne Technologies, Inc. (Teledyne) facilities have operated at the approximately 5.7 acre site in the City of Los Angeles under lease as a tenant from the early 1960's until approximately late 2013. The property is bounded by Panama Street and a residential neighborhood to the northwest, Beethoven Street and commercial property to the northeast, Culver Boulevard and commercial property to the southeast, and Alla Road, commercial property and the Marina Freeway followed by open space and Ballona Creek to the southwest. During their occupancy of the property, Teledyne conducted aerospace and electronic component manufacturing operations at the site. Due to this historical use at the site, soil and groundwater underlying the site have been affected by volatile organic compounds (VOCs) including tetrachloroethene (PCE) and trichloroethene (TCE), and Title 22 metals including antimony, arsenic, cadmium, chromium, nickel, and selenium.

2. California Water Code section 13267(b)(1) states, in part: In conducting an investigation. . ., the regional board may require that any person who has discharged, discharges, or is suspected of having discharged or, discharging, or who proposes to discharge waste within its region . . .shall furnish, under penalty of perjury, technical or monitoring program reports which the regional board requires. The burden, including costs, of these reports shall bear a reasonable relationship to the need for the report and the benefits to be obtained from the reports. In requiring those reports, the regional board shall provide the person with a written explanation

with regard to the need for the reports, and shall identify the evidence that supports requiring that person to provide the reports.

3. The Regional Board has evidence in preliminary data submissions, a draft site assessment summary report, and a draft removal action work plan indicating that there has been a discharge of waste from the site. The evidence supporting this requirement includes documentation of PCE in soil at concentrations of up to 40.6 milligrams per kilogram (mg/kg), PCE in soil gas at concentrations of up to 6,400 micrograms per liter (µg/L), PCE in groundwater at concentrations of up to 120 µg/L, and Title 22 metals (antimony, arsenic, cadmium, chromium, nickel, and selenium) in groundwater at concentrations that exceed California Maximum Contaminant Levels (MCLs).

4. This Order identifies Teledyne and Ron Pan, LLC, et al. as the parties responsible for the discharges of waste identified in paragraph 3, because you leased/operated (Teledyne) and owned (Ron Pan, LLC et al.) the property on which the waste has been discharged.

5. This Order requires the parties named herein to prepare and submit technical and/or monitoring reports to describe the full lateral and vertical extent of affected environmental media (soil, soil gas, and groundwater) and to propose plans to remediate the affected environmental media as needed to acceptable regulatory standards. You are expected to submit a complete report or reports as required by this Order. The Regional Board may reject the report if not complete, or require revisions to the report without issuing a new Order.

6. The Regional Board needs this information in order to determine the magnitude of potential risks to human health (including an adjacent residential neighborhood) and impacts to the environment and to help manage these potential risks and impacts.

7. The burdens, including costs, of these reports and work plans bear a reasonable relationship to the need for the reports and work plans and the benefits to be obtained from the reports and work plans. The information is necessary to better characterize and define the extent of the soil and groundwater contamination and assure cleanup of the site which poses significant threats to public health and the environment. The technical report and work plan required by this Order are believed to cause you to incur reasonable costs. The information to be obtained from the report and work plan is vital for site assessment and cleanup.

8. The issuance of this Order is an enforcement action by a regulatory agency and is categorically exempt from the provisions of the California Environmental Quality Act (CEQA) pursuant to section 15321(a)(2), Chapter 3, Title 14 of the California Code of Regulations. This Order requires submittal of technical and/or monitoring reports and work plans. The proposed activities under the work plans may include soil removal action(s) and other activities that are not yet known. It is unlikely that implementation of the work plans associated with this Order could result in anything more than minor physical changes to the environment. If the implementation may result in significant impacts on the environment,

the appropriate lead agency will address the CEQA requirements prior to approval of any work plan.

9. Any person aggrieved by this action of the Regional Water Board may petition the State Water Resources Control Board (State Water Board) to review the action in accordance with Water Code section 13320 and California Code of Regulations, title 23, sections 2050 and following. The State Water Board must *receive* the petition by 5:00 p.m., 30 days after the date of this Order, except that if the thirtieth day following the date of this Order falls on a Saturday, Sunday, or state holiday, the petition must be received by the State Water Board by 5:00 p.m. on the next business day. Copies of the law and regulations applicable to filing petitions may be found on the Internet at: http://www.waterboards.ca.gov/public_notices/petitions/water_quality or will be provided upon request.

THEREFORE, IT IS HEREBY ORDERED that Teledyne and Ron Pan, LLC et al., pursuant to section 13267(b) of the California Water Code, are required to submit the following:

1. By August 15, 2014, submit a site assessment summary report that describes all site assessment activities completed to date to complete the delineation of the horizontal and vertical extent of affected soil, soil gas, and groundwater. The report shall at a minimum include iso-concentration diagrams of constituents of potential concern (COPCs) that exceed applicable regulatory screening levels, geologic cross-sections, and recommendations for further work to fully delineate the lateral and vertical extent of affected soil, soil gas, and groundwater to applicable regulatory standards.

2. By August 30, 2014, submit a work plan to complete the delineation of the horizontal and vertical extent of affected soil, soil gas, and groundwater.

The above item shall be submitted as a PDF via email or disk (CD-ROM or CD) to Mr. Jeff Brooks, 320 West 4th Street, Suite 200, Los Angeles, CA 90013-2343, Jeff.Brooks@waterboards.ca.gov, (213) 620-6070, and submitted by you under penalty of perjury under the laws of the State of California in accordance with the following paragraph.

The technical report and work plan are required to be submitted under the Water Code section 13267 Order. Pursuant to Water Code section 13267(a), any person who fails to submit reports in accordance with the Order is guilty of a misdemeanor. Pursuant to Water Code section 13268(b)(1), failure to submit the required technical report described above by the specified due date(s) may result in the imposition of administrative civil liability by the Regional Board in an amount up to one thousand dollars ($1,000) per day for each day the technical report or work plan is not received after the above due date. These civil liabilities may be assessed by the Regional Board for failure to comply, beginning with the date that the violations first occurred, and without further warning.

The Regional Board, under the authority given by Water Code (CWC) section 13267(b)(1), requires you to include a perjury statement in all reports submitted under the 13267 Order. The perjury statement shall be signed by a senior authorized Teledyne and Ron Pan, LLC et al. representatives (not by a consultant). The perjury statement shall be in the following format:

"I, [NAME], certify under penalty of law that this document and all attachments were prepared by me, or under my direction or 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 for knowing violations."

The State Water Board adopted regulations requiring the electronic submittals of information over the internet using the State Water Board GeoTracker data management system. You are required not only to submit the reports/work plans required in this Order, but also to comply by uploading all reports and correspondence prepared to date on to the GeoTracker data management system. The text of the regulations can be found at the URL:

http://www.waterboards.ca.gov/water_issues/programs/ust/electronic_submittal/

SO ORDERED.

for Paula Rasmussen
Samuel Unger, P.E.
Executive Officer

EXHIBIT B

DAVID E. CRANSTON (SBN 122558)
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Attorneys for Petitioners
GGL-Pan, LLC, Jan-Pan, LLC,
Ron-Pan, LLC, and Schaefer-Pan, LLC

STATE OF CALIFORNIA

STATE WATER RESOURCES CONTROL BOARD

In The Matter of the Petition of GGL-Pan, LLC, Jan-Pan, LLC, Ron-Pan, LLC and Schaefer-Pan, LLC, Petitioners.	Petition Number: DECLARATIONOF RONALD S. LUSHING IN SUPPORT OF PETITION FOR REVIEW OF LARWQCB INVESTIGATIVE ORDER NO. R4-2014-0103 DATED JUNE 16, 2014

DECLARATION OF RONALD S. LUSHING

I, Ronald S. Lushing, declare:

1. I am the trustee of the Ronald S. Lushing Trust, which is the sole member of Ron-Pan, LLC. Ron-Pan, LLC is one of the four owners who own the property located at 12908-12964 Panama Street in Los Angeles, California ("Property"), which is the subject of the California Regional Water Quality Control Board, Los Angeles Region's Investigative Order No. R4-2014-0103 dated June 16, 2014 ("Order"). These four owners are Petitioners in this Petition.

2. Petitioners are a set of family-owned and operated companies whose family has owned the Property for generations.

3. I am also the manager of the Property and have been its manager since 1961. That role has primarily involved handling lease negotiations and related issues with respect to long-time Property tenant Teledyne Technologies Incorporated ("Teledyne").

GREENBERG GLUSKER FIELDS CLAMAN & MACHTINGER LLP
1900 Avenue of the Stars, 21st Floor
Los Angeles, California 90067-4590

GREENBERG GLUSKER FIELDS CLAMAN & MACHTINGER LLP
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Los Angeles, California 90067-4590

4. In performing my role as manager, I visited the Property approximately once every five years, chiefly to attend meetings with Teledyne representatives to attend to lease-related matters. I did not inspect Property operations during these visits until near the end of Teledyne's lease term.

5. Based on my roles with respect to the Property, including discussions with the other Petitioners about the Property, I have personal knowledge of the other Petitioners' familiarity, or lack thereof, with the Property and Teledyne's operations at the Property.

6. Neither I nor, upon information and belief, the other Petitioners or Petitioners' predecessors-in-interest to the Property, have never engaged in any operations at the Property associated with wastes, including discharge of wastes.

7. I and, upon information and belief the other Petitioners, had no knowledge that Teledyne's operations at the Property could result in the discharge of waste at the Property.

8. I knew Teledyne was producing a product at the property, but until near the end of Teledyne's lease term, I knew nothing more specific, including the nature of Teledyne's operations, the substances it used, the process and other wastes it generated, how Teledyne disposed of those wastes, or that Teledyne's operations caused releases of wastes to the property and its subsurface. Upon information and belief, none of the other Petitioners had such knowledge any earlier than me.

9. The facts set forth herein are of my own personal knowledge and if sworn I could and would testify competently thereto under oath.

I declare under penalty of perjury under the laws of the State of California that the foregoing is true and correct.

Executed on July 16, 2014 at Santa Fe, New Mexico.

Ronald S. Lushing

EXHIBIT C

ALTA ENVIRONMENTAL

REMOVAL ACTION WORK PLAN

Panama Street Site
12922 Panama Street
Los Angeles, California 90066

Prepared for

Teledyne Microelectronic Technologies

MCGU-13-2252
July 10, 2013

Alta Environmental
3777 Long Beach Boulevard, Annex Building
Long Beach, CA 90807 www.altaenviron.com

REMOVAL ACTION WORKPLAN – DISCUSSION DRAFT

Jonathan Barkman
Project Manager/Senior I

Steven R. Ridenour, PG
Senior Project Manager/Senior Geologist III

Mike Cassidy, PG, CHG
Vice President-Site Assessment and Remediation
Branch Manager-Irvine Office

Alta Environmental
MCGU-13-2252
July 9, 2013

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Project Site	Panama Street Site
Project Proponent	Teledyne Microelectronic Technologies
Property Owner	Ron-Pan LLC, GGL-Pan LLC, Jan-Pan LLC, and Schaefer-Pan LLC
Chemicals of Concern (COCs)	Benzene, PCE, TCE, cis 1,2-DCE, trans-1,2-DCE, 1,1-DCA, 1,1-DCE, 1,2-dichlorobenzene
Clean Up Goals	Benzene: 4.0 – 6.1 micrograms per kilogram (µg/kg) PCE: 20 – 30.5 µg/kg TCE: 20 – 30.5 µg/kg cis-1,2 DCE: 24 – 36.6 ug/kg trans-1,2-DCE: 40 – 61 µg/kg 1,1-DCA: 20 – 30.5 µg/kg 1,1-DCE: 24 – 36.6 µg/kg 1,2-dichlorobenzene: 2,400 – 3,660 µg/kg
Estimated Volume of Soil Removal	6,600 cubic yards

1. INTRODUCTION

The Site is herein defined as 12964, 12950, 12930, 12922, 12918, 12910, and 12908 Panama Street, Los Angeles, California. After several decades of occupancy, the Site tenant is vacating the property. The target goal for returning the property to the property owner is July 31, 2013.

On behalf of the property owner, Environ International Corporation (Environ) conducted a Phase I Environmental Site Assessment (ESA) of the site in January, 2013 (Environ, Phase I Environmental Site Assessment, Teledyne Electronic Technologies, January 2013 Draft). The Phase I ESA identified past and current property uses as recognized environmental conditions and recommended additional assessment. Based on this recommendation, Alta Environmental LP (Alta), on behalf of the tenant, has been conducting a follow-up Phase II ESA to determine the nature and extent of any impacts to soil, soil gas, and groundwater at the site. Results of the site assessment activities have indicated the presence of chemicals of concern (COCs) in the soil, groundwater, and soil gas beneath the site. A report of these activities is in progress.

1.1 Removal Action Objectives

The proposed action at the Site focuses on the removal and disposal of the majority of soils impacted with the volatile organic compound (VOC) COCs identified during the site assessment activities. Excavation was determined to be the preferred remedial action (RA) remedy based on the limited time frame, shallow groundwater, and accessibility to the majority of the identified impacted soil.

Removal Action Objectives (RAOs) have been established; these RAOs are presented below:

- Minimize exposure of humans to the COCs in shallow soil through inhalation, dermal absorption, and ingestion;
- Minimize potential for migration of the COCs from the shallow soil to other media; and

- Remove the majority of accessible impacted soils that exceed the calculated Soil Screening Levels (SSLs)

The remedial goals developed and adopted for contaminated media at the Site will be responsive to these RAOs.

2. SITE INFORMATION

2.1 Site Location

The subject site is the property located at 12964, 12950, 12930, 12922, 12918, 12910, and 12908 Panama Street in Los Angeles, California. A Site Vicinity Map is presented as Figure 1 and the Site Assessor Parcel Map is identified on Figure 2.

2.1.1 Site Name, Address and Size

The Site Name: Panama Street Site

The Site Address: 12964, 12950, 12930, 12922, 12918, 12910, and 12908 Panama Street
Los Angeles, California.

The Site size: approximately 5.73 acres

2.1.2 Mailing address and Telephone Number

For the purposes of this RAW, the general contact for information is as follows:

Dana P. Palmer, Esq.

McGuireWoods LLP

1800 Century Park East

8th Floor

Los Angeles, CA 90067

Telephone (310) 956-3445

2.1.3 EPA Identification Number

The EPA identification (EPA ID) number for the Site is CAD009587700. This number will be used for the generation, transportation and offsite disposal of wastes excavated from the Site, as applicable.

2.1.4 Assessor's Parcel Number(s) and Maps

The assessor's parcel numbers (APNs) for the site are reportedly 4223-008-008, 4223-008-007, 4223-008-006, 4223-008-005, and 4223-008-010.

2.1.5 Ownership

The Site is owned by Ron-Pan LLC, GGL-Pan LLC, Jan-Pan LLC, and Schaefer-Pan LLC (Environ, Phase I Environmental Site Assessment Draft January 2013).

2.2 Operational History and Status

The historical property uses of the Site were partially described in the Phase I ESA (Environ, January 2013 Draft). Environ states that the site has been used for various industrial purposes since the late 1950s. Prior operations have included a print shop and several electronic manufacturing companies in various buildings at the site including Quantatron (located at 12908 Panama Street); Chem-Seal Corporation of America from the late 1950s until the late 1960s, Banner Printing Co. from the early 1970s

until the early 1980s, and Teledyne from the early 1980s until present (all located at 12910 Panama Street). Environ also states that Arrous Corp. Electrical Equipment Manufacturing was present at the site from the late 1950s until the mid-1960s, UED Aerospace Division of Teledyne Inc, from the mid-1960s until present (both located at 12964 Panama Street); and Teledyne from the mid-1960s until present (located at 12918 Panama Street). Environ also states that Teledyne began manufacturing operations in most of the site buildings (12908, 12918, 12930, and 12964 Panama Street) in the mid- 1960s, and subsequently occupied 12922 and 12910 Panama Street buildings in the late 1970s and early 1980s, respectively (Environ, Phase I Draft, January 2013). Environ states that these former industrial operations have included the use of solvents, paints, and other chemicals.

The Draft Environ Phase I indicated that based on their review of Environmental Data Resources databases and a review of agency records, spill incidents occurred at the site between 1985 and 2009. Manufacturing operations at the site have ceased although some Teledyne personnel remain on site.

Beyond the basic Phase I identification of former operations and tenants, a full investigation of the property history is ongoing and no conclusions can be drawn at this time either as to owner or tenant liability. While Teledyne is working voluntarily with the Regional Board, Teledyne reserves all rights to pursue remedies against all parties bearing responsibility for the contamination.

2.3 Topography

The topography ranges from approximately 15 feet above mean sea level (amsl) near the north-northeastern corner to 14 feet amsl near the southern-southwestern boundary.

2.4 Geology and Hydrogeology

The Site geology and hydrogeology were obtained from the Phase I ESA (Converse, 2011a) and updated based on the Step-out Soil Sampling Report (Alta, 2012).

2.4.1 Site Geology and Soil Types

Soils encountered during Alta's assessment of the site were predominantly clay with localized lenses of silt and sand to 10 feet bgs, underlain by alternating sequences of clay and sand to total depths explored (21 feet bgs).

2.4.2 Site Hydrogeologic Setting

The Site is situated at the southern boundary of the Santa Monica Basin. The depth to the uppermost groundwater during Alta's assessment was encountered at approximately 10.5 to 12.5 feet bgs. The groundwater flow direction of the uppermost groundwater zone was calculated to be to the west-southwest at a gradient of 0.0040 foot per foot.

2.5 Surrounding Land Use and Sensitive Ecosystems

The properties surrounding the Site are developed with a mix of residential and commercial properties. The Site is bound by a storage facility and Culver Boulevard to the south and east, Alla Road and the Marina Freeway (Highway 90) to the west, Panama Street followed by residences to the north and northwest, and a property owned by Teledyne Technologies Incorporated to the east. The nearest surface water body to the Site is Ballona Creek, located approximately 1,246 feet southeast of the Site.

2.6 Previous Site Investigations

2.6.1 Phase I Environmental Site Assessment – Environ

Environ completed a draft Phase I ESA report in January 2013. The assessment identified the following evidence of recognized environmental conditions (RECs) in connection with the Site:

Former release of TCE.[1] Based on a review of the Los Angeles County Public Health Investigator records, a 55-gallon drum containing TCE was ruptured in April 1985 at the 12964 Panama Street address. No information was given about the amount of TCE that was spilled and no specifics were provided in the record regarding the exact location of the spill. As quoted in the Environ report, "the spill of TCE was diked, absorbed, and picked up".

Although not considered RECs, Environ identified the following other findings:

1. Historical operations at the site;
2. Former use of chlorinated solvents;
3. Former clarifier without closure documentation; and
4. Presence of trenches and sumps.

2.6.2 Phase II Environmental Site Assessment – Alta

Alta has conducted several ongoing phases of soil, soil gas, and groundwater assessment at the site. During the course of the assessment, a total of 89 borings were advanced to various terminus depths, ranging from 5-feet below ground surface (bgs) to 20-feet bgs. Soil, soil-vapor, and ground water samples were variously collected from each of the borings, as summarized below.

Soil:

A total of 52 soil borings were advanced at the site. Depending on boring terminus depth, soil samples were collected at 2.5, 5, 10, 15, and 20 feet bgs. Various sample intervals were analyzed for Title 22 Metals by EPA Method 6010B, Total Petroleum Hydrocarbons by EPA Method 8015M, VOCs by EPA Method 8260B/5035, 1,4-Dioxane by EPA Method 8270, and Hexavalent Chromium by EPA Method 7199.

For all samples analyzed, Alta identified the following:

- Concentrations of Title 22 Metals were reported below San Francisco Bay Regional Water Quality Control Board 2013 Tier 1 Environmental Screening Levels, with the exception of arsenic (Table 3);
- No detectable concentrations of TPH reported above laboratory Practical Quantitation Limits (PQLs) (Table 4); and

[1] According to Teledyne personnel, there is no record of Teledyne having used TCE at the Site and the records cited in the Environ Phase I likely incorrectly characterize the spill. Investigation of the use of TCE by the property owner or other tenants is ongoing. As TCE was widely used in the era prior to Teledyne's leasing the Site more than fifty years ago, Teledyne anticipates that the investigation may take significant time.

- Concentrations of PCE, TCE, benzene, cis-1,2-dichloroethene, trans-1,2-dichloroethene, and 1,1-dichloroethane were reported above site-specific soil screening levels developed based on the Los Angeles Regional Water Quality Control Board Attenuation Factor Method (Table 2).

Figure 6 depicts the identified distribution of soil-matrix VOC concentrations. Tables 5 presents a summary of the soil-matrix VOC concentrations.

Soil Gas:

A total of 57 soil-vapor wells were installed at the site (Figure 3). Of these, 55 were installed as dual-nested wells and two were installed as single wells. Vapor points within the dual-nested wells were emplaced at either 4 and 8 feet bgs, or at 5 and 10 feet bgs, depending on lithology. The two single soil-vapor wells had vapor points installed at 5 feet bgs. For all samples analyzed, concentrations of VOCs in soil-vapor were reported below 2010 California Human Health Screening Levels for industrial properties, with the exception of cis-1,2-dichloroethene, PCE, TCE, and vinyl chloride.

Figure 7 depicts the identified distribution of soil-vapor VOC concentrations and Table 6 summarizes the laboratory analytical results.

Groundwater:

A total 22 groundwater hydro-punch borings (Figure 3) were advanced at the site. All locations were sampled for VOCs by EPA Method 8260, TPH by EPA Method 8015M and Title 22 Metals by EPA Method 6010.

Three groundwater monitoring wells (GW1 through GW3, Figure 3) were installed at the southern, southwestern, and northern portions of the Site. The borings for the wells were drilled to 20.5 to 21.5 feet bgs, using a hollow-stem auger rig equipped with 10-inch-diameter augers. The wells were installed with 4-inch-diameter PVC blank and 0.01-inch screened sections, with the screened intervals installed from 5 to 20 feet bgs. The annular space around the screened sections was backfilled with No. 2/12 Monterey sand filter to approximately two feet above the top of the screened section. The sand filter was then surged and the remainder of the annular space was backfilled with hydrated bentonite chips. The wells were then developed using a rig bailer and surge block. Well development continued until at least 5 well volumes were removed and the removed groundwater was visually clear. The wells were completed with the installation of traffic-rated well boxes installed at the surface.

Alta identified the following:

- Concentrations of Title 22 Metals were reported below California Department of Public Health Maximum Contaminant Levels, with the exception of antimony, arsenic, barium, cadmium, nickel, and selenium (Table 7);
- No detectable concentrations of TPH reported above laboratory PQL (Table 8);
- Concentrations of VOCs were reported below Department of Public Health Maximum Contaminant Levels, with the exception of 1,1-dichloroethane, cis-1,1-dichloroethene, PCE, and TCE (Table 9);
- Depth to water across the site ranges from approximately 10.5 feet bgs in the north to 12.5 feet bgs in the southwest; and
- Groundwater gradient during the assessment was approximately 0.004 foot per foot to the west-southwest (Figure 5).

Figure 8 depicts the identified distribution of ground water VOC concentrations and Table 9 summarizes the groundwater VOC laboratory analytical results.

3. NATURE, SOURCE AND EXTENT OF CHEMICALS OF CONCERN

3.1 Shallow Soil

Soil samples were collected from the site and analyzed for metals, TPH, and VOCs. The nature and extent of the VOC COCs are summarized in the following subsections.

3.1.1 COCs in Shallow Soil

Alta Environmental calculated Soil Screening Levels (SSLs) for benzene, PCE, TCE, cis-1,2-dichloroethene (DCE), 1,1-dichloroethane, 1,2-dichlorobenzene, 1,1-dichloroethene (1,1-DCE), and trans-1,2-dichloroethene detected in soil samples collected from the subject site. The SSLs were calculated using the Attenuation Factor (AF) Method for VOCs found in Chapter 5 and Appendix A of the LARWQCB May 1996 Interim Site Assessment and Cleanup Guidebook (Guidebook). The calculated AFs and SSLs are presented on Table 1.

The AFs and SSLs were calculated for samples collected at 2.5, 5.0, and 10 feet bgs from borings where laboratory analytical results indicated VOC detections above detection limits. The AFs for the sampled depths were determined using Table 5-1 of the Guidebook (or Table 4 of Appendix A of the Guidebook). The AFs were based on the vertical distance from the point of VOC detection to the groundwater table encountered at approximately 11.5 feet bgs, and on the average lithological thicknesses of clay, silt, and sand in all borings where VOCs were detected, expressed as a percentage of each, from the point of VOC detection to the groundwater table.

As indicated on Table 1, the depth below ground surface, distance above the groundwater table, and the average lithological percentages of the entire vadose zone from the sampling depth to the groundwater table are shown. Using Table 5-1 of the Guidebook, the AFs for the associated sampling depth were calculated and recorded in the AF column of Table 1. The SSLs at each depth for each selected VOC were then calculated and recorded into the table by multiplying the AFs by the California Department of Public Health Maximum Contaminant Levels (MCLs) for the each VOC.

As indicated on Table 2, the SSLs for each VOC were inputted and compared to each sample with detectable VOC concentrations. Concentrations which exceed the calculated SSLs are highlighted on Table 2.

Figure 6 shows the maximum VOCs detected in soil matrix for the purposes of determining the optimal areas for remediation by excavation.

3.2 Extent and Volume of Soil Removal

Based on the data collected during the Alta Phase II investigation, it is estimated that elevated COC concentrations are limited to the identified areas (Figure 9). The lateral and vertical extent of COC contamination above the cleanup goals are shown on the above-referenced figures.

The estimated volumes of impacted soil at the site are approximately 6,600 cubic yards (9,900 tons).

3.3 Health Effects of Chemicals of Concern

PCE (CAS #127-18-4) is a nonflammable solvent which was popular in the dry cleaning industry due to its ability to dissolve organic material. It is a clear liquid with a slightly sweet odor. This volatile organic compound is highly stable and had multiple uses in the automotive and metalworking industries.

Exposures through inhalation, skin absorption, skin and or eye contact, and ingestion negatively affect humans. PCE affects the central nervous system and ingestion can cause dizziness, headache, sleepiness, confusion, nausea, difficulty in speaking and walking, unconsciousness, and death. Dermal contact can also irritate skin.

TCE (CAS #79-01-6) is a clear, nonflammable liquid commonly used as an organic solvent. Like PCE, it was popular in the dry cleaning industry as well as the food, medical, automotive, and metal working industries. Exposures through inhalation, skin absorption, skin and or eye contact, and ingestion negatively affect humans. TCE negatively affects the central nervous system and ingestion can cause dizziness, headache, sleepiness, confusion, nausea, difficulty in speaking and walking, unconsciousness, kidney failure, liver failure, and death. Dermal contact can also irritate skin.

1,2-DCE (CAS #156-59-2 for cis, CAS #156-60-5 for trans) is a colorless, highly flammable liquid used in solvents or in the production of vinyl chloride. It has a harsh odor and is volatile. Exposures through inhalation, skin absorption, skin and or eye contact, and ingestion negatively affect humans. Inhalation can induce effects on the human nervous system, liver, and kidneys, as well as respiratory distress, cardiac arrhythmia, nausea, and vomiting. Chronic (long-term) inhalation exposure produced effects on the liver and kidneys in animals.

Benzene (CAS #71-43-2) is a colorless, flammable liquid with a sweet odor. Benzene is among the 20 most widely used chemicals in the United States. It is used mainly as a solvent (a substance that can dissolve or extract other substances) and as a starting material in making other chemicals. In the past it was also commonly used as a gasoline additive, but this use has been greatly reduced in recent decades. Benzene is also a natural part of crude oil, gasoline, and cigarette smoke. Exposures through inhalation, skin absorption, skin and or eye contact, and ingestion negatively affect humans. Breathing in high doses of benzene may affect the central nervous system, which can lead to drowsiness, dizziness, headaches, tremors, confusion, and/or unconsciousness. Consuming foods or fluids contaminated with high levels of benzene can cause vomiting, stomach irritation, dizziness, sleepiness, convulsions, and rapid heart rate. In extreme cases, death may occur after inhaling or swallowing very high levels of benzene. Exposure to benzene liquid or vapor may irritate the skin, eyes, and throat. Skin exposure to benzene may result in redness and blisters. Long term exposure can result in Anemia (low red blood cell count), low white blood cell count, low blood platelet count, harm to reproductive organs, and other reproductive harm.

1,1-DCA (CAS #75-34-3) is a colorless, oily liquid which is very volatile and has an odor similar to chloroform. Due to the oily properties, it is not as soluble with water as other organic solvents. Also known as Ethylidene dichloride, 1,1-DCA is primarily used as an intermediate in the manufacture of other chemicals such as vinyl chloride and 1,1,1-trichloroethane, and to manufacture high vacuum rubber. It also has limited use as a solvent for plastics, oils, and fats. In the past, it was used as an anesthetic, but that use has been discontinued. Exposures through inhalation, skin absorption, skin and or eye contact, and ingestion negatively affect humans. Acute inhalation exposure to high levels (105,000 milligrams per cubic meter [mg/m3]) results in CNS depression and a cardiostimulatory effect, resulting in cardiac arrhythmias. Acute dermal exposure can cause skin burns, scaliness, or rashes.

1,1-DCE (CAS #75-35-4) is a colorless liquid with a mild sweet odor resembling that of chloroform. Like most chlorocarbons, it is poorly soluble in water, but soluble in organic solvents. 1,1-DCE is used as an intermediate for organic chemical synthesis. It is also used in the production of polyvinylidene chloride copolymers. The major application of these chloride copolymers is in the production of flexible films for food packaging (SARAN® and VELON® wraps). These copolymers are also used extensively in many

types of packing materials, as flame retardant coatings for fiber and carpet backing and in piping, coating for steel pipes, and adhesive applications. Exposures through inhalation, skin absorption, skin and or eye contact, and ingestion negatively affect humans. Inhalation can induce adverse neurological effects including CNS depression and symptoms of inebriation, convulsions, spasms, and unconsciousness, and respiratory effects, such as inflammation of mucous membranes. Chronic effects on exposure to 1,1-DCE include effects on the liver, kidneys, CNS, and lungs.

1,2-dichlorobenzene (CAS #95-50-1) is a colorless liquid with a pleasant odor. It was used as an intermediate in the synthesis of agrochemicals due to its high boiling point. Exposures through inhalation, skin absorption, skin and or eye contact, and ingestion negatively affect humans. Exposure can cause headache, nausea, irritation of the nose and throat, dizziness, and lightheadedness. Dermal contact may cause skin irritation. Chronic effects on exposure to 1,2-dichlorobenzene include effects on the liver, kidneys, CNS, and lungs.

4. SITE CLEANUP GOALS

This section presents information regarding the cleanup goals for the identified accessible COCs in soil that can be excavated from the site. Figure 9 shows the preliminary excavation plan.

4.1 Excavation Cleanup Goals

COCs for this Site soils are VOCs. A summary of the COCs, minimum and maximum detected concentrations at 2.5, 5, and 10 feet bgs, cleanup goals at each of these depths, and the rationale are presented in Table 10. The cleanup goals are based on use of the Attenuation Factor (AF) Method, using Table 5-1 of 1996 RWQCB Guidance Document.

4.2 Removal Action Scope

This RAW outlines the remedy for the COCs at the Site. It is prepared to address the accessible VOCs in soil above cleanup goals that can be practically excavated at the Site. The estimated volume of soil proposed for the RA was calculated to be approximately 6,600 cubic yards, based on the analytical data gathered during the Phase II by Alta.

4.3 Identification and Evaluation of Removal Action Alternatives

Based on our experience and the short time frame for conducting the remedial action, and taking into account cost, effectiveness and implementability, soil excavation was determined to be the only currently viable alternative.

4.4 Description of Recommended Remedy

The recommended RA remedy combines excavation with offsite disposal of the impacted soil.

Excavation and Offsite Disposal

An immediate soil removal (excavation and offsite disposal) has generally been accepted as the preferred remedial action for similar site conditions at other similar locations (presumptive remedy). A presumptive remedy (excavation and offsite disposal) has been determined, and no other alternative removal options will be considered further for the accessible VOC COCs in soil that can be practically excavated at this time.

Excavation: Excavation involves the removal of soil containing the COCs. Excavation includes using loaders, backhoes, and/or other appropriate equipment. Excavation operations may generate fugitive dust emissions. Suppressant foam, water spray, and other forms of vapor and dust control may be required

during excavation, and workers may be required to use personal protective equipment to reduce exposure to the COCs. The depth of excavations may be limited due to physical constraints associated with the Site. Sloping excavation sidewalls and slot-cutting may result in increased volume of soil requiring excavation. Confirmation soil sampling and analysis will be conducted to verify soil impact concentrations at the excavation bottom and sidewalls.

Excavated soil will be either directly-loaded into waiting trucks or temporarily stockpiled within an on-site "holding area" using a rubber-tire backhoe or similar equipment (such as wheel loader). Any temporary soil stockpiles will be properly secured and protected until ready for loading for off-site transportation and disposal. Truck loading may take place concurrently with excavation operations, with access of loaders to the stockpile from outside the excavation areas, while excavation operations deposit impacted soil from the excavation areas to the staging areas. Clean, imported soil or other fill material will be brought to the Site to backfill areas where impacted soil was removed. Imported soil and/or other fill material would be accompanied by certificates, analytical data, and/or other supporting documents that indicate the import material is in conformance with cleanup criteria.

Offsite Disposal: Offsite disposal involves removing impacted soil from the Site and transporting it to an appropriate offsite facility for disposal.

The activities that would be conducted to implement this RA are described below.

- Excavate approximately 6,600 cubic yards of impacted soil from identified locations.
- If necessary, segregate and stockpile impacted soils
- Conduct confirmation soil sampling using either a fixed-base laboratory or an onsite mobile laboratory, and compare confirmation data to the calculated SSLs.
- Load and transport approximately 6,600 cubic yards of impacted soil to an appropriate disposal facility.
- Grade, backfill and compact previously excavated areas using clean, imported fill material.

5. APPLICABLE OR RELEVANT AND APPROPRIATE REQUIREMENTS

Previous investigations of the Site indicated the presence of the COCs in soil exceeding the site-specific SSLs. The most effective remedial action for soil has been determined to be removal; consisting of soil excavation and offsite disposal. This section discusses the applicable or relevant and appropriate requirements (ARARs) for the proposed soil excavation and offsite disposal.

5.1 Waste Management

An EPA ID number (CAD009587700) has been obtained for proper management of waste generated during soil excavation activities. Based on the laboratory analytical results of soil samples summarized in Tables 3 through 5, the waste has been profiled as a non-hazardous waste. The excavated soil will therefore be managed as a non-hazardous waste. The volume of soil to be excavated and categorized as a non-hazardous waste is estimated at 6,600 cubic yards (9,900 tons). Non-hazardous soils will be transported to Class 1 or Class 3 landfill.

5.2 Health and Safety Plan

All contractors will be responsible for operating in accordance with the most current requirements of 8 CCR, Section 5192 (8 CCR 5192) and Title 29, Code of Federal Regulations (CFR), Section 1910.120 (29 CFR 1910.120), Standards for Hazardous Waste Operations and Emergency Response

(HAZWOPER). On-site personnel are responsible for operating in accordance with all applicable regulations of the Occupational Safety and Health Administration (OSHA) outlined in 8 CCR, General Industry and Construction Safety Orders, and 29 CFR 1910 and 29 CFR 1926, Construction Industry Standards, as well as other applicable federal, state and local laws and regulations. All personnel will operate in compliance with all Cal-OSHA requirements.

A site-specific Health and Safety Plan (HASP) has been prepared for the Site under the supervision of a certified industrial hygienist in accordance with current health and safety standards as specified by OSHA and Cal-OSHA. A copy of the HASP is included as Appendix A.

The provisions of the HASP are mandatory for all personnel and contractors who are at the Site. All on-site personnel must read and sign the HASP prior to commencing field activities.

5.3 Others

All necessary permits and approvals identified in this RAW will be obtained prior to any removal activities. Removal activities will be performed by a California-certified contractor with oversight from a California-registered professional geologist or professional engineer.

6. REMOVAL ACTION IMPLEMENTATION

The most effective remedial action has been determined to be removal consisting of soil excavation and offsite disposal. Removal activities will be performed by a California-certified contractor with supervision of a California-registered professional geologist or professional civil engineer.

Figure 9 illustrates the excavation areas, as well as the sampling points from the previous investigations.

6.1 Field Documentation

Alta will be responsible for maintaining a field notes during the RA activities. The notes will serve to document observations, personnel on-site, equipment arrival and departure times, and other vital project information, and will be used in the preparation of the RA Report.

6.1.1 Chain-of-Custody Records

Chain-of-custody records are used to document sample collection and shipment to the laboratory for analysis. All sample shipments for analyses will be accompanied by a chain-of-custody record. Form(s) will be completed and sent with the samples for each laboratory and each shipment. If multiple coolers are sent to a single laboratory on a single day, chain-of-custody form(s) will be completed and sent with the samples for each cooler. The chain-of-custody record will identify the contents of each shipment and maintain the custodial integrity of the samples. Generally, a sample is considered to be in someone's custody if it is either in someone's physical possession, in someone's view, locked up, or kept in a secured area that is restricted to authorized personnel. Until receipt by the laboratory, the custody of the samples will be the responsibility of the sample collector.

6.2 Permitting and Notifications

As part of Site work, it will be necessary to obtain the following permits and make the following notifications:

- Underground Service Alert (USA)
- AQMD: Rule 1166, Rule 402 and Rule 403
- Excavation Permit

Other permits and notifications to complete the work may be required by local, state, or federal agencies. The following subsections describe some of the required permitting activities:

6.2.1 AQMD Permits

South Coast AQMD has two rules that address soil excavation (Rules 1150 and 1166) and one that addresses fugitive dust (Rule 403). Rule 1150 applies to the excavation of sanitary landfills and does not apply to this project. Rule 1166 applies to the excavation of soils containing VOCs and does apply to this project.

Several elements of Rule 403, such as protocols for mitigation of potential fugitive dust emissions, have been incorporated into this RAW. Excavation, loading, and transport of impacted soils will be in compliance with Rule 403 prevention, reduction, and mitigation measures for fugitive dust emissions. However, notification of South Coast AQMD is required only for large operations (disturbing more than 100 acres or moving more than 10,000 cubic yards per day). Therefore, no notification or filing of a Fugitive Dust Emission Control Plan is required due to project size.

6.3 Site Preparation and Security Measures

Prior to equipment mobilization for the proposed RA, Site preparation activities may include Site inspections, demarcation of hot spots, and utility disconnections.

6.3.1 Delineation of Excavation Areas

The areal limits of all excavations will be delineated by the RA contractor, in consultation with the client and the LARWQCB before commencement of removal activities. The areas to be excavated will be called the "excavation areas," and they will be marked (as the exclusion zones) in the field by the RA contractor with high-visibility paint.

6.3.2 Utility Clearance

Clearance of utilities and other hazardous underground obstacles will be conducted prior to initiation of any excavation activities. Such possible obstacles may include water, electrical, gas, oil, communication cable, phone cable, TV cable, and sewer lines. At a minimum, the utility clearance will include a 48-hour notification of the local USA and a Site visit. In addition, a geophysical survey may be conducted as appropriate to clear each excavation area.

6.3.3 Security Measures

This Site is protected by 24-hour security and is bounded by a perimeter fence which will increase the likelihood that the work areas are secure and safe. To ensure that trespassers or unauthorized personnel are not allowed near work areas, security measures may include, but are not limited to:

- Posting notices directing visitors to the Site manager.
- Installing barrier fencing around work areas to restrict access to sensitive areas.
- Providing adequate Site security to ensure that unauthorized personnel have no access to work areas and/or contaminated materials.
- Maintaining a safe and secure work area, including areas where equipment is stored or placed, at the close of each workday.

Persons requesting access to the excavation areas will be required to demonstrate a valid purpose for access and if access to work areas and/or contaminated materials is planned, provide appropriate

documentation to demonstrate they have received proper training required by the site-specific HASP (see Appendix A).

6.3.4 Contaminant Control

In order to minimize potential exposure of fugitive dust to the adjacent properties, dust monitoring, and if necessary dust suppression measures will be used. Section 6.

6.4 Soil Management

Impacted soils will be stockpiled or direct-loaded for lawful offsite disposition. The following sections discuss soil and material segregation, stockpile handling, truck loading, and storm water management.

6.4.1 Soil Staging and Storage Operations

If it is necessary to temporarily store the excavated soil on-site until offsite transportation and disposal are available, the following may apply. The staging process will be conducted in a manner to minimize the generation of dust. At the staging areas, excavated soil will be placed on an impermeable barrier base (e.g., concrete floor, plastic sheeting) and covered with tarps or other proper materials (e.g., plastic sheeting) to prevent any run-on and/or dust generation. If significant rainfall is anticipated, the staging areas will be bermed to contain any run-off. When possible, excavated soils may be placed in covered roll-off bins or drums, or may be loaded directly onto transportation trucks.

The temporary on-site storage of excavated soil wastes will be secured and properly until offsite transportation and disposal are ready for loading. Storage of waste for longer than 90 days after its generation is not anticipated.

Direct loading may take place concurrently with excavation operations, with access of loaders to the stockpile from outside the excavation areas, while excavation operations deposit impacted soil from the excavation areas to the staging areas.

During non-excavation hours, excavated soil stockpiles will be covered with plastic sheeting or other proper materials. Additional field applications may involve installation of a temporary canopy, liner, or other physical barrier that minimizes movement of materials from the Site by wind, water, or any other mechanism.

6.4.2 Waste Segregation Operations

Prior to stockpiling/staging, the excavated soil will be segregated to the extent possible to avoid any mixture of impacted and non-impacted soils. This segregation will minimize the amount of impacted soils generated and their associated disposal cost. The soil segregation will be based on PID readings, visual observations, on-site generated laboratory data, and the previous site assessment data.

6.5 Decontamination Methods and Procedures

Decontamination Area

Entry to the contaminated areas should be limited to avoid unnecessary exposure and related transfer of contaminants. In unavoidable circumstances, any equipment or truck(s) should be decontaminated in a designated decontamination area before leaving the Site as described below.

Decontamination Procedures

Equipment that comes into direct contact with potentially contaminated soil or water will be decontaminated to assure the quality of samples collected and/or to avoid cross contamination.

Disposable equipment intended for one-time use will not be decontaminated but will be packaged for appropriate disposal. Decontamination will occur prior to and after each designated use of a piece of equipment.

Trucks that come into direct contact with potentially contaminated soil or water will be decontaminated before they leave the Site to prevent the offsite tracking of contaminated soil. Trucks will be visually inspected before leaving the Site, and any dirt adhering to the exterior surfaces will be brushed off and collected on plastic sheeting. The storage bins or beds of the trucks will be inspected to ensure the loads are properly covered and secured. Excavation equipment surfaces will also be brushed off prior to removal from the exclusion zone.

Equipment will be decontaminated in a pre-designated area on pallets or plastic sheeting. Cleaned bulky equipment will be stored on plastic sheeting in uncontaminated areas. Cleaned small equipment will be stored in plastic bags. Materials to be stored more than a few hours will also be covered.

6.6 Air and Meteorological Monitoring

This section details the air and meteorological monitoring strategy and methodologies that will be used during the soil RA. The strategy and methodologies are designed to achieve several goals:

- Identify and measure the air contaminants generated during the soil removal and decontamination activities to assign the appropriate personal protective equipment (PPE) and safety systems specified for those activities.
- Provide feedback to Site operations personnel regarding potential hazards from exposure to hazardous air contaminants generated through Site activities.
- Identify and measure air contaminants at points outside the soil removal and decontamination exclusion zones. Air monitoring will be conducted during work activities to measure potential exposure of sensitive receptors to Site chemical constituents as a result of removal activities.

6.6.1 Air Monitoring

If required, air monitoring will be performed during all Site activities in which contaminated or potentially contaminated materials are disturbed or handled.

- Monitoring dust levels in the exclusion zone and other locations. The Site air-monitoring professional will have the authority to stop work in the event that on-site activities generate dust levels which exceed the Site or community action levels (see the chart below). The air-monitoring professional will monitor on-site meteorological instrumentation and/or coordinate with offsite meteorological professionals to identify conditions that require cessation of work, e.g., winds in excess of 25 mph. No specific regulatory wind velocity restrictions for soil excavation were found to exist in the subject area. However, a self-imposed action level for work stoppage will be set at a sustained wind velocity of 25 mph.
- Coordinating general Site safety activities, including all daily hazard communication, safety practices and procedure briefings.
- Overseeing all personal decontamination practices.
- Providing general Site safety leadership, support and recordkeeping activities.

Air Monitoring Strategy and Methodologies

Monitoring of VOCs will be conducted in compliance with AQMD Rule 1166 (Volatile Organic Compound Emissions from Decontamination of Soil). VOC-impacted soil is defined as having VOC concentrations of 50 ppm or greater as measured by a hexane-calibrated organic vapor analyzer (OVA).

As applicable, Alta will monitor dust levels in the following general locations:

- Upwind (offsite property if possible)
- Proximate to the exclusion zone (with the equipment operator)
- Up to three fence line/downwind locations
- As deemed necessary to determine employee exposure

Air monitoring samples will be collected over an eight- to ten-hour period each day that RAW activities are conducted. The air-monitoring professional will check the equipment every 15 minutes during operation.

As specified in the HASP (see Appendix A), the RA contractor will base Site safety procedures, including dust control measures, on the Action Levels specified in the following chart.

EXPOSURE GUIDELINES FOR DUST

Chemical Name	Cal-OSHA PEL [a]	ACGIH TLV [b]	Site Action Levels	Community Action Level (Fence Line) [d, e]
Total dust	10 mg/m^3	10 mg/m^3	1.0 mg/m^3	0.05 mg/m^3

mg/m^3 = milligrams per cubic meter

6.6.2 Meteorological Monitoring

If required, on-site ambient weather conditions (wind speed and direction, and relative humidity) will be monitored by the following methods: an on-site meteorology station, real-time Internet weather locations, and the National Weather Service (if a local station can provide data relevant to the Site). If offsite meteorological stations cannot provide data relevant to the Site, an on-site meteorological station will be set up and monitored during excavation activities.

On-site meteorological monitoring will be performed simultaneously with the excavation activities to ensure all necessary precautions have been taken. Detailed information is described in the Site-specific HASP (see Appendix A).

Note that a Wind Rose Plot for the Los Angeles International Airport is provided on Figure 4.

6.6.3 Dust Monitoring

The majority of the excavated soil will be clay, so significant dust issues are not anticipated. If required, Alta will implement appropriate procedures to control the generation of airborne dust by soil removal activities. Such procedures will include but will not be limited to the following:

- Generation of dust during the removal operations will be minimized as necessary with the use of water as a dust suppressant. The water will be available via a water truck or a metered discharge

from a fire hydrant located proximate to the Site. Alta will control dust generation by spraying water prior to daily work activities, during excavation/loading activities (as necessary), and at truck staging locations. Watering equipment will be continuously available to provide proper dust control.

- If required, the air-monitoring professional will monitor on-site meteorological instrumentation and/or coordinate with offsite meteorological professionals to identify conditions that require cessation of work.

6.7 Sampling and Analysis Plan

6.7.1 Waste Profile Sampling

Waste characterization was performed by analyzing soil samples representative of each area designated for offsite transport and disposal during the Phase II (Alta, 2013). Analytical results are presented in Tables 3 through 5. Based on the analytical results, the waste has been profiled as a non-hazardous waste.

6.7.2 Confirmation Sampling

Once complete, each excavation area will be sampled at the bottom and sidewalls to verify remaining contaminant concentrations, if any. Confirmation soil sample locations will be determined in the field, as the excavation progresses. The proposed confirmation sampling locations are provided on Figure 10.

Confirmation samples for VOCs will be collected using a clean trowel or plastic disposable trowels and transferred directly into sampling jars or tubes. The final confirmation samples will be properly covered, labeled and stored onsite in a cooled chest prior to delivery to a California laboratory certified by the Environmental Laboratory Accreditation Program, or to an onsite mobile laboratory.

Confirmation soil samples will be delivered to the laboratory on the same day collected, if time permits, and no later than the day following collection. In the event the samples are delivered the day after they are collected, the samples will be secured under proper chain-of-custody documentation until delivery.

The excavation will terminate when the cleanup goals are met or it becomes impractical to continue excavating.

6.8 Transportation Plan for Offsite Disposal

As soil is excavated, it will be direct-loaded for transportation offsite or temporarily stockpiled onsite, until offsite transportation and disposal can be arranged. Offsite transportation and disposal will typically be conducted during weekdays between 7AM and 5PM. Detailed information on waste transportation and disposal will be described in the Transportation Plan. The Transportation Plan is in progress and will be provided prior to implementation of the RAW.

Approval of the waste material will be received from the disposal facility before soil is transported offsite for lawful disposition. Once the disposal facility is confirmed, the soil will be transported for disposal.

6.9 Backfill and Site Restoration

An offsite source of clean backfill material will be identified prior to the RA. Imported soils will be appropriately tested or documented before backfilling activities commence.

6.9.1 Load Checking

As applicable, all loads of imported fill entering the Site will be checked by an organic vapor analyzer (OVA) and by visual screening for potential contamination.

6.9.2 Diversion of Unacceptable Borrow

Imported fill soils material will be visually checked for unacceptable materials at the working face. If loads containing unacceptable materials (exhibit staining, odors, or detectable VOCs) are dumped, transporters of the unacceptable loads will be stopped before leaving the Site. The Site entry/exit gate will be closed after entry of each transporting vehicle.

Equipment operators will watch for evidence of contaminated imported fill in loads being dumped at the working face. If contaminated soils are found or suspected, the imported fill soils are to be isolated. The hauler of the prohibited materials will be identified, and the Site Manager will be contacted to determine what appropriate actions will be taken.

Segregated improper materials will be removed from the working face immediately. These materials will be reloaded to the transporter's vehicle when possible, or stockpiled in an appropriate area for later removal by a properly licensed waste hauler.

6.9.3 Documentation of Rejected Loads

All loads that enter the Site and are subsequently rejected will be recorded. Data compiled will include when the incident occurred, who the hauler was, why the load was rejected, whether the load was dumped prior to rejection, and what steps were taken to remove the rejected material. Additional data may be recorded as deemed necessary for the particular situation.

A separate area will always be maintained for the storage of unacceptable materials, pending removal by the original transporter or a properly licensed waste hauler.

6.9.4 Site Restoration

Site restoration will include backfilling the excavation areas with clean soil (from an offsite source) and returning any surface features to their current condition or in accordance with Site construction/grading plans approved for the site. Backfilling will proceed in approximately 1-foot lifts with compaction (by tracking with a dozer or other equipment) between each successive lift to the preexisting grade or level specified in the grading plans. Compaction will be certified, and a compaction report provided in the final report for this site work. If weather conditions prevent immediate restoration of the excavation areas, erosion controls will be established as necessary.

6.10 Variance

As conditions in the field can vary, it may become necessary to implement modifications to soil removal activities as presented in this RAW. These variations will be documented in the final report.

7. REFERENCES

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7. DTSC, 1994a, *Preliminary Endangerment Assessment Guidance Manual,* 1994 (revised 1999).
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TABLES

TABLE 1
Soil Screening Levels Using Attenuation Factor Method
12922 Panama Street, Los Angeles, California

Depth (bgs)	Distance Above Groundwater	Depth to Groundwater	Ave. % lithology	AF	SSL (Benzene) (ppb)	SSL (PCE) (ppb)	SSL (TCE) (ppb)	SSL (DCE) (ppb)	SSL (1,1-DCA) (ppb)	SSL (1,2-dichloro-benzene)	SSL (1,1-DCE) (ppb)	SSL (trans-1,2-DCE) (ppb)
2.5	9	11.5	Clay - 85 Silt/Sand - 15	6.1	6.1	30.5	30.5	36.6	30.5	3,660	36.6	61
5.0	6.5	11.5	Clay - 82 Silt/Sand - 18	5.9	5.9	29.5	29.5	35.4	29.5	3,540	35.4	59
10	1.5	11.5	Clay - 50 Silt/Sand - 50	4.0	4.0	20	20	24	20	2,400	24	40
MCL					1	5	5	6	5	600	6	10

AF = Attenuation Factor, calculated using Table 5-1 of 1996 RWQCB Guidance Document
SSL = Soil Screening Levels = AF X MCL
MCL = State of California Maximum Contaminant Level in Groundwater (ppb) for selected VOC
Lithology % = Approximate percentage of vertical distribution of soil lithology between sample and groundwater depth. Based on boring logs B7, B20, VA1, B54, B51, B53, B49, B48, B47, B45, B55, B46, B44, B43, GW1, GW3, B37, B50, B52, B61, and B62 for sample depths 2.5 and 5 feet bgs.
Based on lithology in Borings B43, B44, VA1, and GW3 for sample depth at 10 feet bgs.
PCE = Tetrachloroethene
TCE = Trichloroethene
DCE = cis-1,2-dichloroethene
1,1-DCA = 1,1-dichloroethane
1,1-DCE = 1,1-dichloroethene
trans-1,2-DCE = trans-1,2-dichloroethene
ppb = parts per billion

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Table 2
Soil Matrix Sample Results for VOCs
Comparison with AF Method Site Screening Levels and SFRWQCB ESLs
12922 Panama Street
Los Angeles, California

VOCs by EPA Method 8260B in Soil	Sample ID					B4-2.5	B4-5	B6 2.5	B7-2.5	B7-5	B8-2.5	B8-5	B9-2.5	B9-5
	Date					4/29/2013	4/29/2013	4/29/2013	4/26/2013	4/26/2013	4/26/2013	4/26/2013	4/26/2013	4/26/2013
	PQL (µg/kg)	Sample Depth	AF SSL (µg/kg)	ESL - Res. (µg/kg)	ESL - Ind. (µg/kg)	VOC Concentration (µg/kg)								
Benzene	2.00	2.5	6.1	44.0	44.0	ND		ND	ND		ND		ND<10	
Benzene	2.00	5.0	5.9	44.0	44.0		ND			ND		ND		ND
Benzene	2.00	10.0	4.0	44.0	44.0									
1,2-Dichlorobenzene	10.0	2.5	3,660	1,100	1,100	ND		ND	10.3		17.3		77.0	
1,2-Dichlorobenzene	10.0	5.0	3,540	1,100	1,100		ND			107		56.6		ND
1,2-Dichlorobenzene	10.0	10.0	2,400	1,100	1,100									
1,1-Dichloroethane	10.0	2.5	30.5	200	200	ND		ND	10.1		ND		ND<50	
1,1-Dichloroethane	10.0	5.0	29.5	200	200		ND			ND		ND		ND
1,1-Dichloroethane	10.0	10.0	20.0	200	200									
1,1-Dichloroethene	10.0	2.5	36.6	1,000	1,000	ND		ND	ND		ND		ND<50	
1,1-Dichloroethene	10.0	5.0	35.4	1,000	1,000		ND			ND		ND		ND
1,1-Dichloroethene	10.0	10.0	24.0	1,000	1,000									
cis-1,2-Dichloroethene	10.0	2.5	36.6	190	190	ND		ND	204		ND		1,190	
cis-1,2-Dichloroethene	10.0	5.0	35.4	190	190		ND			69.4		ND		107
cis-1,2-Dichloroethene	10.0	10.0	24.0	190	190									
trans-1,2-Dichloroethene	10.0	2.5	61.0	670	670	ND		ND	ND		ND		ND<50	
trans-1,2-Dichloroethene	10.0	5.0	59.0	670	670		ND			ND		ND		ND
trans-1,2-Dichloroethene	10.0	10.0	40.0	670	670									
Tetrachloroethene (PCE)	10.0	2.5	30.5	550	700	110		30.0	ND		316		725	
Tetrachloroethene (PCE)	10.0	5.0	29.5	550	700		10.7			ND		65.2		29.6
Tetrachloroethene (PCE)	10.0	10.0	20.0	550	700									
Trichloroethene (TCE)	10.0	2.5	30.5	460	460	300		58.0	ND		34.0		452	
Trichloroethene (TCE)	10.0	5.0	29.5	460	460		31.4			ND		ND		11.3
Trichloroethene (TCE)	10.0	10.0	20.0	460	460									

NOTES:
VOC = Volatile Organic Compound
PQL = Practical Quantitation Limit
ND = Indicated constituents not detected above the PQL
ND<X = Indicated constituents not detected above the PQL of X
AFM SSL = LARWQCB Attenuation Method Site Screening Levels
µg/kg = micrograms per kilogram
ESL - Ind. = SFRWQCB Industrial Environmental Screening Levels

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Table 2
Soil Matrix Sample Results for VOCs
Comparison with AF Method Site Screening Levels and SFRWQCB ESLs
12922 Panama Street
Los Angeles, California

VOCs by EPA Method 8260B in Soil	Sample ID					B10-2.5	B10-5	B11-2.5	B12-2.5	B12-5	B13-2.5	B13-5	B14-2.5	B15-2.5
	Date					4/26/2013	4/26/2013	4/29/2013	4/29/2013	4/29/2013	4/29/2013	4/29/2013	5/1/2013	5/1/2013
	PQL (µg/kg)	Sample Depth	AF SSL (µg/kg)	ESL - Res. (µg/kg)	ESL - Ind. (µg/kg)	VOC Concentration (µg/kg)								
Benzene	2.00	2.5	6.1	44.0	44.0	ND<100		4.04	ND<10		ND<10		2.28	3.40
Benzene	2.00	5.0	5.9	44.0	44.0		ND<40			ND		ND		
Benzene	2.00	10.0	4.0	44.0	44.0									
1,2-Dichlorobenzene	10.0	2.5	3,660	1,100	1,100	ND<500		ND	120		ND<50		ND	ND
1,2-Dichlorobenzene	10.0	5.0	3,540	1,100	1,100		ND<200			ND		ND		
1,2-Dichlorobenzene	10.0	10.0	2,400	1,100	1,100									
1,1-Dichloroethane	10.0	2.5	30.5	200	200	ND<500		ND	ND<50		ND<50		ND	ND
1,1-Dichloroethane	10.0	5.0	29.5	200	200		ND<200			ND		ND		
1,1-Dichloroethane	10.0	10.0	20.0	200	200									
1,1-Dichloroethene	10.0	2.5	36.6	1,000	1,000	ND<500		ND	ND<50		ND<50		ND	ND
1,1-Dichloroethene	10.0	5.0	35.4	1,000	1,000		ND<200			ND		ND		
1,1-Dichloroethene	10.0	10.0	24.0	1,000	1,000									
cis-1,2-Dichloroethene	10.0	2.5	36.6	190	190	ND<500		108	4,190		1,810		ND	13.4
cis-1,2-Dichloroethene	10.0	5.0	35.4	190	190		ND<200			218		132		
cis-1,2-Dichloroethene	10.0	10.0	24.0	190	190									
trans-1,2-Dichloroethene	10.0	2.5	61.0	670	670	ND<500		ND	70.0		ND<50		ND	ND
trans-1,2-Dichloroethene	10.0	5.0	59.0	670	670		ND<200			ND		ND		
trans-1,2-Dichloroethene	10.0	10.0	40.0	670	670									
Tetrachloroethene (PCE)	10.0	2.5	30.5	550	700	40,600		133	59.0		ND<50		43.4	84.6
Tetrachloroethene (PCE)	10.0	5.0	29.5	550	700		10,500			ND		ND		
Tetrachloroethene (PCE)	10.0	10.0	20.0	550	700									
Trichloroethene (TCE)	10.0	2.5	30.5	460	460	ND<500		69.2	160		ND<50		15.7	34.5
Trichloroethene (TCE)	10.0	5.0	29.5	460	460		ND<200			ND		ND		
Trichloroethene (TCE)	10.0	10.0	20.0	460	460									

NOTES:
VOC = Volatile Organic Compound
PQL = Practical Quantitation Limit
ND = Indicated constituents not detected above the PQL
ND<X = Indicated constituents not detected above the PQL of X
AFM SSL = LARWQCB Attenuation Method Site Screening Levels
µg/kg = micrograms per kilogram
ESL - Ind. = SFRWQCB Industrial Environmental Screening Levels

Table 2
Soil Matrix Sample Results for VOCs
Comparison with AF Method Site Screening Levels and SFRWQCB ESLs
12922 Panama Street
Los Angeles, California

VOCs by EPA Method 8260B in Soil	Sample ID					B16-2.5	B16-5	B20-2.5	B23-2.5	B28-2.5	B29-2.5	B37-2.5	B38-2.5	B39-2.5
	Date					5/1/2013	5/1/2013	5/2/2013	5/1/2013	4/25/2013	5/1/2013	6/6/2013	6/7/2013	6/7/2013
	PQL (µg/kg)	Sample Depth	AF SSL (µg/kg)	ESL - Res. (µg/kg)	ESL - Ind. (µg/kg)	VOC Concentration (µg/kg)								
Benzene	2.00	2.5	6.1	44.0	44.0	ND		ND	ND	2.40	ND	3.90	6.98	ND
Benzene	2.00	5.0	5.9	44.0	44.0		ND							
Benzene	2.00	10.0	4.0	44.0	44.0									
1,2-Dichlorobenzene	10.0	2.5	3,660	1,100	1,100	ND		ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	10.0	5.0	3,540	1,100	1,100		ND							
1,2-Dichlorobenzene	10.0	10.0	2,400	1,100	1,100									
1,1-Dichloroethane	10.0	2.5	30.5	200	200	ND		ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	10.0	5.0	29.5	200	200		ND							
1,1-Dichloroethane	10.0	10.0	20.0	200	200									
1,1-Dichloroethene	10.0	2.5	36.6	1,000	1,000	ND		ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	10.0	5.0	35.4	1,000	1,000		ND							
1,1-Dichloroethene	10.0	10.0	24.0	1,000	1,000									
cis-1,2-Dichloroethene	10.0	2.5	36.6	190	190	162		ND	ND	ND	ND	ND	ND	26.9
cis-1,2-Dichloroethene	10.0	5.0	35.4	190	190		23.3							
cis-1,2-Dichloroethene	10.0	10.0	24.0	190	190									
trans-1,2-Dichloroethene	10.0	2.5	61.0	670	670	ND		ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	10.0	5.0	59.0	670	670		ND							
trans-1,2-Dichloroethene	10.0	10.0	40.0	670	670									
Tetrachloroethene (PCE)	10.0	2.5	30.5	550	700	42.6		18.1	44.0	20.9	84.4	45.5	302	28.9
Tetrachloroethene (PCE)	10.0	5.0	29.5	550	700		ND							
Tetrachloroethene (PCE)	10.0	10.0	20.0	550	700									
Trichloroethene (TCE)	10.0	2.5	30.5	460	460	67.5		ND	ND	ND	ND	ND	ND	159
Trichloroethene (TCE)	10.0	5.0	29.5	460	460		ND							
Trichloroethene (TCE)	10.0	10.0	20.0	460	460									

NOTES:
VOC = Volatile Organic Compound
PQL = Practical Quantitation Limit
ND = Indicated constituents not detected above the PQL
ND<X = Indicated constituents not detected above the PQL of X
AFM SSL = LARWQCB Attenuation Method Site Screening Levels
µg/kg = micrograms per kilogram
ESL - Ind. = SFRWQCB Industrial Environmental Screening Levels

Table 2
Soil Matrix Sample Results for VOCs
Comparison with AF Method Site Screening Levels and SFRWQCB ESLs
12922 Panama Street
Los Angeles, California

VOCs by EPA Method 8260B in Soil	Sample ID					B40-2.5	B40-5.0	B43-5.0	B43-10	B44-5.0	B44-10	B45-2.5	B45-5.0	B46-2.5
	Date					6/7/2013	6/7/2013	6/6/2013	6/6/2013	6/6/2013	6/6/2013	6/6/2013	6/6/2013	6/6/2013
	PQL (µg/kg)	Sample Depth	AF SSL (µg/kg)	ESL - Res. (µg/kg)	ESL - Ind. (µg/kg)	VOC Concentration (µg/kg)								
Benzene	2.00	2.5	6.1	44.0	44.0	ND						4.0		ND
Benzene	2.00	5.0	5.9	44.0	44.0		ND	ND		ND			ND	
Benzene	2.00	10.0	4.0	44.0	44.0				ND		ND			
1,2-Dichlorobenzene	10.0	2.5	3,660	1,100	1,100	ND						ND		ND
1,2-Dichlorobenzene	10.0	5.0	3,540	1,100	1,100		ND	ND		ND			ND	
1,2-Dichlorobenzene	10.0	10.0	2,400	1,100	1,100				ND		ND			
1,1-Dichloroethane	10.0	2.5	30.5	200	200	ND						ND		ND
1,1-Dichloroethane	10.0	5.0	29.5	200	200		ND	ND		ND			ND	
1,1-Dichloroethane	10.0	10.0	20.0	200	200				ND		ND			
1,1-Dichloroethene	10.0	2.5	36.6	1,000	1,000	ND						ND		ND
1,1-Dichloroethene	10.0	5.0	35.4	1,000	1,000		ND	ND		ND			ND	
1,1-Dichloroethene	10.0	10.0	24.0	1,000	1,000				ND		ND			
cis-1,2-Dichloroethene	10.0	2.5	36.6	190	190	54						238		ND
cis-1,2-Dichloroethene	10.0	5.0	35.4	190	190		21.4	93.2		55.2			49.7	
cis-1,2-Dichloroethene	10.0	10.0	24.0	190	190				30		46.2			
trans-1,2-Dichloroethene	10.0	2.5	61.0	670	670	ND						14.5		ND
trans-1,2-Dichloroethene	10.0	5.0	59.0	670	670		ND	ND		ND			ND	
trans-1,2-Dichloroethene	10.0	10.0	40.0	670	670				ND		ND			
Tetrachloroethene (PCE)	10.0	2.5	30.5	550	700	ND						ND		26.5
Tetrachloroethene (PCE)	10.0	5.0	29.5	550	700		ND	ND		ND			ND	
Tetrachloroethene (PCE)	10.0	10.0	20.0	550	700				ND		ND			
Trichloroethene (TCE)	10.0	2.5	30.5	460	460	11.4						123		42.4
Trichloroethene (TCE)	10.0	5.0	29.5	460	460		ND	ND		ND			ND	
Trichloroethene (TCE)	10.0	10.0	20.0	460	460				ND		ND			

NOTES:
VOC = Volatile Organic Compound
PQL = Practical Quantitation Limit
ND = Indicated constituents not detected above the PQL
ND<X = Indicated constituents not detected above the PQL of X
AFM SSL = LARWQCB Attenuation Method Site Screening Levels
µg/kg = micrograms per kilogram
ESL - Ind. = SFRWQCB Industrial Environmental Screening Levels

Table 2
Soil Matrix Sample Results for VOCs
Comparison with AF Method Site Screening Levels and SFRWQCB ESLs
12922 Panama Street
Los Angeles, California

VOCs by EPA Method 8260B in Soil	Sample ID					B47-2.5	B47-5.0	B48-2.5	B48-5.0	B49-2.5	B49-5.0	B50-2.5	B51-2.5	B52-2.5
	Date					5/31/2013	5/31/2013	5/31/2013	5/31/2013	5/31/2013	5/31/2013	6/6/2013	6/6/2013	6/6/2013
	PQL (µg/kg)	Sample Depth	AF SSL (µg/kg)	ESL - Res. (µg/kg)	ESL - Ind (µg/kg)	VOC Concentration (µg/kg)								
Benzene	2.00	2.5	6.1	44.0	44.0	5.50		ND		4.18		2.84	2.76	ND
Benzene	2.00	5.0	5.9	44.0	44.0		ND		ND		ND			
Benzene	2.00	10.0	4.0	44.0	44.0									
1,2-Dichlorobenzene	10.0	2.5	3,660	1,100	1,100	ND		ND		ND		ND	ND	ND
1,2-Dichlorobenzene	10.0	5.0	3,540	1,100	1,100		ND		ND		ND			
1,2-Dichlorobenzene	10.0	10.0	2,400	1,100	1,100									
1,1-Dichloroethane	10.0	2.5	30.5	200	200	59.2		ND		ND		ND	ND	ND
1,1-Dichloroethane	10.0	5.0	29.5	200	200		ND		ND		ND			
1,1-Dichloroethane	10.0	10.0	20.0	200	200									
1,1-Dichloroethene	10.0	2.5	36.6	1,000	1,000	ND		ND		ND		ND	ND	ND
1,1-Dichloroethene	10.0	5.0	35.4	1,000	1,000		ND		ND		ND			
1,1-Dichloroethene	10.0	10.0	24.0	1,000	1,000									
cis-1,2-Dichloroethene	10.0	2.5	36.6	190	190	59.2		ND		ND		ND	ND	24.4
cis-1,2-Dichloroethene	10.0	5.0	35.4	190	190		ND		ND		ND			
cis-1,2-Dichloroethene	10.0	10.0	24.0	190	190									
trans-1,2-Dichloroethene	10.0	2.5	61.0	670	670	ND		ND		ND		ND	ND	ND
trans-1,2-Dichloroethene	10.0	5.0	59.0	670	670		ND		ND		ND			
trans-1,2-Dichloroethene	10.0	10.0	40.0	670	670									
Tetrachloroethene (PCE)	10.0	2.5	30.5	550	700	77.6		27.2		135		36.1	89.3	ND
Tetrachloroethene (PCE)	10.0	5.0	29.5	550	700		ND		22.4		47.3			
Tetrachloroethene (PCE)	10.0	10.0	20.0	550	700									
Trichloroethene (TCE)	10.0	2.5	30.5	460	460	330		10		14.1		ND	21.4	ND
Trichloroethene (TCE)	10.0	5.0	29.5	460	460		15.1		ND		ND			
Trichloroethene (TCE)	10.0	10.0	20.0	460	460									

NOTES:
VOC = Volatile Organic Compound
PQL = Practical Quantitation Limit
ND = Indicated constituents not detected above the PQL
ND<X = Indicated constituents not detected above the PQL of X
AFM SSL = LARWQCB Attenuation Method Site Screening Levels
µg/kg = micrograms per kilogram
ESL - Ind. = SFRWQCB Industrial Environmental Screening Levels

Table 2
Soil Matrix Sample Results for VOCs
Comparison with AF Method Site Screening Levels and SFRWQCB ESLs
12922 Panama Street
Los Angeles, California

VOCs by EPA Method 8260B in Soil	Sample ID					B53-2.5	B54-2.5	B54-5.0	B55-2.5	B55-5.0	B56-2.5	B57-2.5	B58-2.5	B58-5.0
	Date					6/6/2013	5/31/2013	5/31/2013	6/6/2013	6/6/2013	5/31/2013	6/7/2013	5/7/2013	5/7/2013
	PQL (µg/kg):	Sample Depth	AF SSL (µg/kg)	ESL - Res (µg/kg)	ESL - Ind. (µg/kg)	VOC Concentration (µg/kg)								
Benzene	2.00	2.5	6.1	44.0	44.0	ND	2.78		ND		ND	ND	ND	
Benzene	2.00	5.0	5.9	44.0	44.0			ND		ND				ND
Benzene	2.00	10.0	4.0	44.0	44.0									
1,2-Dichlorobenzene	10.0	2.5	3,660	1,100	1,100	ND	23.1		ND		ND	ND	ND	
1,2-Dichlorobenzene	10.0	5.0	3,540	1,100	1,100			10		ND				ND
1,2-Dichlorobenzene	10.0	10.0	2,400	1,100	1,100									
1,1-Dichloroethane	10.0	2.5	30.5	200	200	ND	ND		ND		ND	ND	ND	
1,1-Dichloroethane	10.0	5.0	29.5	200	200			ND		ND				ND
1,1-Dichloroethane	10.0	10.0	20.0	200	200									
1,1-Dichloroethene	10.0	2.5	36.6	1,000	1,000	ND	ND		ND		ND	ND	ND	
1,1-Dichloroethene	10.0	5.0	35.4	1,000	1,000			12.9		ND				ND
1,1-Dichloroethene	10.0	10.0	24.0	1,000	1,000									
cis-1,2-Dichloroethene	10.0	2.5	36.6	190	190	132	204		3,060		ND	ND	ND	
cis-1,2-Dichloroethene	10.0	5.0	35.4	190	190			ND		210				ND
cis-1,2-Dichloroethene	10.0	10.0	24.0	190	190									
trans-1,2-Dichloroethene	10.0	2.5	61.0	670	670	ND	10.6		ND		ND	ND	ND	
trans-1,2-Dichloroethene	10.0	5.0	59.0	670	670			ND		ND				ND
trans-1,2-Dichloroethene	10.0	10.0	40.0	670	670									
Tetrachloroethene (PCE)	10.0	2.5	30.5	550	700	ND	107		ND		21.7	12.3	42.6	
Tetrachloroethene (PCE)	10.0	5.0	29.5	550	700			ND		ND				12.3
Tetrachloroethene (PCE)	10.0	10.0	20.0	550	700									
Trichloroethene (TCE)	10.0	2.5	30.5	460	460	ND	107		ND		53.1	ND	ND	
Trichloroethene (TCE)	10.0	5.0	29.5	460	460			ND		ND				ND
Trichloroethene (TCE)	10.0	10.0	20.0	460	460									

NOTES:
VOC = Volatile Organic Compound
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ND = Indicated constituents not detected above the PQL
ND<X = Indicated constituents not detected above the PQL of X
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µg/kg = micrograms per kilogram
ESL - Ind. = SFRWQCB Industrial Environmental Screening Levels

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Table 2
Soil Matrix Sample Results for VOCs
Comparison with AF Method Site Screening Levels and SFRWQCB ESLs
12922 Panama Street
Los Angeles, California

VOCs by EPA Method 8260B in Soil	Sample ID					B61-2.5	B61-5.0	B62-2.5	B62-5.0	VA1-10	GW1-2.5	GW1-5.0	GW3-2.5	GW3-5.0
	Date					5/31/2013	5/31/2013	5/31/2013	5/31/2013	6/7/2013	6/4/2013	6/4/2013	6/4/2013	6/4/2013
	PQL (µg/kg):	Sample Depth	AF SSL (µg/kg)	ESL - Res. (µg/kg)	ESL - Ind. (µg/kg)	VOC Concentration (µg/kg)								
Benzene	2.00	2.5	6.1	44.0	44.0	ND		2.54			3.24		ND	
Benzene	2.00	5.0	5.9	44.0	44.0		ND		ND			ND		ND
Benzene	2.00	10.0	4.0	44.0	44.0					ND				
1,2-Dichlorobenzene	10.0	2.5	3,660	1,100	1,100	ND		ND			ND		ND	
1,2-Dichlorobenzene	10.0	5.0	3,540	1,100	1,100		ND		ND			ND		ND
1,2-Dichlorobenzene	10.0	10.0	2,400	1,100	1,100					ND				
1,1-Dichloroethane	10.0	2.5	30.5	200	200	ND		ND			ND		ND	
1,1-Dichloroethane	10.0	5.0	29.5	200	200		ND		ND			ND		ND
1,1-Dichloroethane	10.0	10.0	20.0	200	200					ND				
1,1-Dichloroethene	10.0	2.5	36.6	1,000	1,000	ND		ND			ND		ND	
1,1-Dichloroethene	10.0	5.0	35.4	1,000	1,000		ND		ND			ND		ND
1,1-Dichloroethene	10.0	10.0	24.0	1,000	1,000					ND				
cis-1,2-Dichloroethene	10.0	2.5	36.6	190	190	ND		ND			120		ND	
cis-1,2-Dichloroethene	10.0	5.0	35.4	190	190		ND		ND			10.5		ND
cis-1,2-Dichloroethene	10.0	10.0	24.0	190	190					11.1				
trans-1,2-Dichloroethene	10.0	2.5	61.0	670	670	ND		ND			ND		ND	
trans-1,2-Dichloroethene	10.0	5.0	59.0	670	670		ND		ND			ND		ND
trans-1,2-Dichloroethene	10.0	10.0	40.0	670	670					ND				
Tetrachloroethene (PCE)	10.0	2.5	30.5	550	700	33.9		71.8			31.4		2,960	
Tetrachloroethene (PCE)	10.0	5.0	29.5	550	700		34		13.3			ND		56.4
Tetrachloroethene (PCE)	10.0	10.0	20.0	550	700					48.7				
Trichloroethene (TCE)	10.0	2.5	30.5	460	460	ND		22			31.6		56	
Trichloroethene (TCE)	10.0	5.0	29.5	460	460		ND		ND			ND		ND
Trichloroethene (TCE)	10.0	10.0	20.0	460	460					ND				

NOTES:
VOC = Volatile Organic Compound
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ND = Indicated constituents not detected above the PQL
ND<X = Indicated constituents not detected above the PQL of X
AFM SSL = LARWQCB Attenuation Method Site Screening Levels
µg/kg = micrograms per kilogram
ESL - Ind. = SFRWQCB Industrial Environmental Screening Levels

Table 2
Soil Matrix Sample Results for VOCs
Comparison with AF Method Site Screening Levels and SFRWQCB ESLs
12922 Panama Street
Los Angeles, California

VOCs by EPA Method 8260B in Soil	Sample ID					GW3-10
	Date					6/4/2013
	PQL (µg/kg)	Sample Depth	AF SSL (µg/kg)	ESL - Res. (µg/kg)	ESL - Ind. (µg/kg)	VOC Conc. (µg/kg)
Benzene	2.00	2.5	6.1	44.0	44.0	
Benzene	2.00	5.0	5.9	44.0	44.0	
Benzene	2.00	10.0	4.0	44.0	44.0	ND
1,2-Dichlorobenzene	10.0	2.5	3,660	1,100	1,100	
1,2-Dichlorobenzene	10.0	5.0	3,540	1,100	1,100	
1,2-Dichlorobenzene	10.0	10.0	2,400	1,100	1,100	ND
1,1-Dichloroethane	10.0	2.5	30.5	200	200	
1,1-Dichloroethane	10.0	5.0	29.5	200	200	
1,1-Dichloroethane	10.0	10.0	20.0	200	200	ND
1,1-Dichloroethene	10.0	2.5	36.6	1,000	1,000	
1,1-Dichloroethene	10.0	5.0	35.4	1,000	1,000	
1,1-Dichloroethene	10.0	10.0	24.0	1,000	1,000	ND
cis-1,2-Dichloroethene	10.0	2.5	36.6	190	190	
cis-1,2-Dichloroethene	10.0	5.0	35.4	190	190	
cis-1,2-Dichloroethene	10.0	10.0	24.0	190	190	ND
trans-1,2-Dichloroethene	10.0	2.5	61.0	670	670	
trans-1,2-Dichloroethene	10.0	5.0	59.0	670	670	
trans-1,2-Dichloroethene	10.0	10.0	40.0	670	670	ND
Tetrachloroethene (PCE)	10.0	2.5	30.5	550	700	
Tetrachloroethene (PCE)	10.0	5.0	29.5	550	700	
Tetrachloroethene (PCE)	10.0	10.0	20.0	550	700	324
Trichloroethene (TCE)	10.0	2.5	30.5	460	460	
Trichloroethene (TCE)	10.0	5.0	29.5	460	460	
Trichloroethene (TCE)	10.0	10.0	20.0	460	460	ND

NOTES:
VOC = Volatile Organic Compound
PQL = Practical Quantitation Limit
ND = Indicated constituents not detected above the PQL
ND<X = Indicated constituents not detected above the PQL of X
AFM SSL = LARWQCB Attenuation Method Site Screening Levels
µg/kg = micrograms per kilogram
ESL - Ind. = SFRWQCB Industrial Environmental Screening Levels

TABLE 3
Soil Matrix Sample Results for Title 22 Metals
12922 Panama Street
Los Angeles, California

Sample ID	Sample Date	Title 22 Metals by EPA Method 6010B/7471A (mg/kg) and Hexavalent Chromium by EPA Method 7199 (mg/kg) in Soil																	
		Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc	Mercury	Hexavalent Chromium
PQL (mg/kg):		0.5	0.25	0.5	0.5	0.5	0.5	0.5	0.5	0.25	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.05	0.500
ESLs - Commercial/Industrial		40	0.96	1,500	8.0	12.0	750	80	230	320	40	150	10	40	10	200	600	10	8.0
B1-5	4/26/2013	ND	14.4	185	0.706	3.47	43.9	13.4	39.3	5.59	5.24	38.4	ND	ND	ND	80.4	86.8	ND	•
B1-10	4/26/2013	ND	8.68	101	ND	1.96	28.9	7.97	24.5	3.58	0.978	27.7	ND	ND	ND	51.7	53.7	ND	•
B2-2.5	4/25/2013	ND	3.37	111	ND	3.35	43.3	8.60	173	16.6	0.792	24.6	ND	ND	ND	44.9	89.4	0.1250	•
B2-5	4/25/2013	ND	12.8	91.3	0.551	3.06	31.9	8.79	29.2	4.74	4.50	28.1	ND	ND	ND	62.0	58.3	ND	•
B3-2.5	4/25/2013	ND	2.54	89.6	ND	1.6	27.8	7.17	23.1	3.17	ND	18.7	ND	ND	ND	44.8	41.1	ND	•
B3-5	4/25/2013	ND	4.68	88.8	ND	2.24	26.5	7.12	19.6	3.25	3.52	24.8	ND	ND	ND	39.9	42.4	ND	•
B4-2.5	4/29/2013	ND	7.51	341	ND	3.37	35.3	18.7	160	11.5	4.82	32.3	ND	ND	ND	57.4	81.8	0.638	ND
B4-5	4/29/2013	ND	6.05	124	ND	2.02	31.3	7.73	27.2	4.07	2.35	25.1	ND	ND	ND	42.1	55.8	ND	ND
B5-2.5	4/29/2013	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	0.500
B5-5	4/29/2013	ND	4.28	146	ND	2.27	29.4	6.34	23.6	3.43	1.61	24.6	ND	ND	ND	47.1	51	ND	ND
B5-10	4/29/2013	ND	6.71	96.9	ND	1.93	25	6.92	23.8	2.92	0.783	23.8	ND	ND	ND	45.4	49.5	0.0703	•
B6-2.5	4/29/2013	ND	1.49	106	ND	2.19	33.9	8.66	127	10.3	ND	23.7	ND	ND	ND	41.4	79.3	0.0599	ND
B6-5	4/29/2013	ND	9.04	87.8	0.508	2.22	30.4	8.15	27	4.3	1.85	26.1	ND	ND	ND	54.8	58.5	ND	ND
B7-2.5	4/26/2013	0.603	2.21	106	ND	2.42	34.3	8.26	184	12.1	0.778	24.2	ND	ND	ND	42.8	82.5	0.0761	•
B7-5	4/26/2013	ND	4.52	84.4	0.574	2.26	33.8	7.35	28.0	4.21	0.955	30.9	ND	ND	ND	51.4	53.4	ND	•
B8-2.5	4/26/2013	0.605	1.65	104	ND	2.08	31.7	7.70	173	10.7	ND	21.6	ND	ND	ND	38.9	78.1	0.0856	•
B8-5	4/26/2013	ND	3.82	86.1	ND	1.93	30.2	7.61	24.2	3.69	2.74	27.5	ND	ND	ND	41.8	47.8	ND	•
B9-2.5	4/26/2013	ND	3.38	104	ND	3.02	35.7	8.29	164	17.4	2.79	20.6	ND	ND	ND	42.3	81.6	0.1030	•
B9-5	4/26/2013	ND	8.95	104	0.521	2.35	32.8	8.02	27.9	4.00	2.25	28.1	ND	ND	ND	28.6	50.5	ND	•
B10-2.5	4/26/2013	1.09	1.53	93.6	ND	1.67	24.1	7.25	42.9	3.06	ND	17.5	ND	ND	ND	33.9	53.4	0.0511	•
B10-5	4/26/2013	ND	8.74	103	ND	2.11	26.7	9.73	22.2	3.60	3.02	23.5	ND	ND	ND	50.2	46.4	ND	•
B11-2.5	4/29/2013	ND	1.47	108	ND	1.95	28.7	8.07	94	11.7	ND	22.6	ND	ND	ND	40.2	76.3	ND	•
B11-5	4/29/2013	ND	7.11	161	0.513	2.07	32.4	9.88	28.7	3.69	2.31	30.6	ND	ND	ND	53.8	57.6	0.127	•
B12-2.5	4/29/2013	ND	1.75	96.7	ND	1.84	26.8	7.25	131	13	ND	20.0	ND	ND	ND	36.2	73.5	0.127	•
B12-5	4/29/2013	ND	11.1	191	0.501	3.1	29.6	9.53	27.2	3.71	5.02	29.1	ND	ND	ND	59.8	52.1	ND	•
B13-2.5	4/29/2013	ND	3.09	99.5	ND	2.17	30	7.71	153	26.2	ND	21.7	ND	ND	ND	38.1	94.6	0.0703	•
B13-5	4/29/2013	ND	13.3	138	0.536	2.64	31	8.18	29.5	4.55	3.61	30.0	ND	ND	ND	66.5	57.3	ND	•
B14-2.5	5/1/2013	ND	1.94	117	ND	2.08	30.8	8.72	123	13.1	ND	22.9	ND	ND	ND	42	83.8	0.066	•
B14-5	5/1/2013	ND	12.4	334	0.527	2.79	29.5	10.3	27.8	4.16	4.77	29.3	ND	ND	ND	62.6	49.6	ND	•
B15-2.5	5/1/2013	ND	0.388	104	ND	1.95	29.4	8.42	75.4	6.41	ND	22.7	ND	ND	ND	38.3	69.7	ND	•
B15-5	5/1/2013	ND	9.67	113	ND	2.06	28.6	7.45	28.1	3.73	3.15	25.7	ND	ND	ND	54	51.3	ND	•
B16-2.5	5/1/2013	ND	1.03	116	ND	1.86	27.8	8.43	145	11.5	ND	21.8	ND	ND	ND	37.2	74.8	ND	•
B16-5	5/1/2013	ND	8.46	107	0.629	2.21	36.5	7.92	32.9	4.01	2.65	34.8	ND	ND	ND	60.7	62.4	ND	•
B17-2.5	5/1/2013	ND	5.83	103	0.528	2.35	36.5	7.76	88	8.11	ND	26.8	ND	ND	ND	56.4	74.2	ND	•
B17-5	5/1/2013	ND	2.96	74.2	0.529	1.87	33.0	9.94	28.4	3.94	0.944	27.6	ND	ND	ND	44	61.8	ND	•
B18-2.5	5/1/2013	ND	6.38	113	0.565	2.26	35.3	9.41	34.4	4.67	ND	28.7	ND	ND	ND	61.1	66.1	ND	•
B18-5	5/1/2013	ND	10.3	128	0.525	2.65	30.9	9.64	28.5	4.34	3.53	28.5	ND	ND	ND	56.6	61.6	ND	•
B19-2.5	5/2/2013	ND	6.75	94.8	ND	1.86	21.9	6.71	32.9	3.1	2.04	21.1	ND	ND	ND	38.5	42.5	ND	•
B19-5	5/2/2013	ND	11.5	128	0.544	2.44	35.2	9.97	44	5.3	2.04	29.8	ND	ND	ND	65.1	57.8	ND	•
B28-2.5	4/25/2013	ND	7.16	133	ND	2.90	34.1	8.75	128	20.1	1.51	27.7	ND	ND	ND	54.9	89.8	0.0703	•
B28-5	4/25/2013	ND	2.62	62.4	ND	1.22	29.7	4.89	17.2	2.23	ND	22.3	ND	ND	ND	41.0	37.1	ND	•

ALTA ENVIRONMENTAL

TABLE 3
Soil Matrix Sample Results for Title 22 Metals
12922 Panama Street
Los Angeles, California

Sample ID	Sample Date	Title 22 Metals by EPA Method 6010B/7471A (mg/kg) and Hexavalent Chromium by EPA Method 7199 (mg/kg) in Soil																	
		Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc	Mercury	Hexavalent Chromium
	PQL (mg/kg):	0.5	0.25	0.5	0.5	0.5	0.5	0.5	0.5	0.25	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.05	0.500
ESLs - Commercial/Industrial		40	0.96	1,500	8.0	12.0	750	80	230	320	40	150	10	40	10	200	600	10	8.0
B37-2.5	6/6/2013	1.13	2.55	81.3	ND	1.41	19.2	4.80	52.8	11.1	ND	14.2	ND	ND	ND	23.8	67.3	ND	•
B37-5	6/6/2013	ND	5.86	71.5	ND	1.63	26.2	6.79	18.9	3.10	1.23	21.3	ND	ND	ND	39.8	43.5	ND	•
B38-2.5	6/7/2013	ND	5.15	124	ND	2.47	31.4	8.69	87.8	18.90	1.06	23.7	ND	ND	ND	46.7	82.3	ND	•
B38-5	6/7/2013	ND	4.92	134	ND	2.44	28.5	6	22.3	3.61	2.47	22.1	ND	ND	ND	47.6	43	ND	•
B39-2.5	6/7/2013	ND	3.31	147	ND	1.57	22.8	6.91	23.5	22.70	5.07	16	ND	ND	ND	51.8	48.2	0.0575	•
B39-5	6/7/2013	ND	5.22	139	ND	2.27	38.3	7.83	25.1	3.78	0.743	34.5	ND	ND	ND	65.5	52.4	ND	•
B40-2.5	6/7/2013	ND	1.13	74.1	ND	1.02	14	6.03	11.6	4.27	0.711	9.69	ND	ND	ND	30.2	29.8	ND	•
B40-5	6/7/2013	ND	7.12	183	0.576	2.5	36.6	12.7	29.8	4.21	3.37	32.2	ND	ND	ND	59.6	60.9	ND	•
B43-5	6/6/2013	ND	2.68	115	ND	1.58	30.8	6.8	23.2	3.34	1.17	24.8	ND	ND	ND	45.7	54.7	ND	•
B43-10	6/6/2013	ND	3.65	89	ND	2.18	45.5	8.65	23.2	2.53	0.846	31.9	ND	ND	ND	57.6	64.6	ND	•
B44-5	6/6/2013	ND	5.34	140	ND	2.23	29.5	8.94	23.4	4.01	2.57	28	ND	ND	ND	50.8	61	ND	•
B44-10	6/6/2013	ND	4.48	64.9	ND	1.71	24.5	5.98	18.4	2.72	0.884	22.2	ND	ND	ND	40.4	48.3	ND	•
B45-2.5	6/6/2013	ND	1.01	101	ND	2.00	30.2	7.76	163	10.90	ND	20.6	ND	ND	ND	39.6	84.4	ND	•
B45-5	6/6/2013	ND	4.38	149	ND	2.16	29.9	8.28	24.4	3.70	2.86	26.1	ND	ND	ND	50.2	52.5	ND	•
B46-2.5	6/6/2013	ND	1.72	116	ND	2.30	34.2	9.16	137	9.58	ND	24.3	ND	ND	ND	45.7	88.9	0.0537	•
B46-5	6/6/2013	ND	9.07	80.8	ND	1.97	26.9	6.28	21.7	3.53	4.09	20	ND	ND	ND	45.1	50.2	ND	•
B47-2.5	5/31/2013	ND	1.42	89.1	ND	1.47	22.2	6.23	114	9.05	1.68	14	ND	ND	ND	31.4	65.5	ND	•
B47-5.0	5/31/2013	ND	7.48	95.5	ND	1.69	26.9	6.94	24.3	3.77	2.52	22.2	ND	ND	ND	51.2	54	ND	•
B48-2.5	5/31/2013	ND	1.4	89.8	ND	1.42	21.6	5.61	94.4	8.71	1.54	13	ND	ND	ND	32.0	58.7	0.0714	•
B48-5.0	5/31/2013	ND	2.63	82.1	ND	1.55	23.4	7.52	18.6	3.24	2.51	19.9	ND	ND	ND	34.2	41.3	ND	•
B49-2.5	5/31/2013	ND	1.75	94.4	ND	1.56	23.2	5.75	125	9.11	1.54	15.4	ND	ND	ND	30.7	74	ND	•
B49-5.0	5/31/2013	ND	3.06	70.6	ND	1.56	24.9	5.65	25	3.83	0.936	19.5	ND	ND	ND	39.4	49	ND	•
B49-10.0	5/31/2013	ND	5.12	75.8	ND	1.58	21.0	4.44	20.2	2.90	0.902	18.1	ND	ND	ND	36.6	44	ND	•
B50-2.5	6/6/2013	1.15	2.66	119	ND	2.17	29.1	8.55	119	9.43	ND	20.5	ND	ND	ND	41.9	81.3	ND	•
B50-5	6/6/2013	ND	4.03	106	ND	1.96	29.9	6.37	22.3	3.42	1.21	27.7	ND	ND	ND	47.2	49.7	ND	•
B51-2.5	6/6/2013	ND	1.5	105	ND	2.57	35.5	8.14	152	14.4	1.72	20.1	ND	ND	ND	41.8	85.7	0.0613	•
B51-5	6/6/2013	ND	9.52	88.3	ND	2.20	26.7	9.35	22.7	3.55	2.66	23.1	ND	ND	ND	53.4	53.1	ND	•
B52-2.5	6/6/2013	ND	1.69	113	ND	2.16	33.0	8.16	182	57.6	ND	21.7	ND	ND	ND	42.5	86.1	ND	•
B52-5	6/6/2013	ND	1.2	54.9	ND	2.45	25.6	5.92	20.2	3.09	ND	22.3	ND	ND	ND	36.5	48.7	ND	•
B53-2.5	6/6/2013	ND	1.85	112	ND	2.47	33.1	7.49	162	13.0	ND	20.9	ND	ND	ND	39.4	90.6	0.0757	•
B53-5	6/6/2013	ND	19.5	97.3	ND	2.23	22.1	5.37	17.8	3.11	1.29	17.8	ND	ND	ND	44.5	44.4	ND	•
B54-2.5	5/31/2013	ND	1.13	95.8	ND	1.77	29.0	7.58	125	8.6	ND	19.6	ND	ND	ND	35.7	76.5	ND	•
B54-5.0	5/31/2013	ND	7.05	107	ND	1.90	29.4	6.58	24.9	3.49	3.73	24.8	ND	ND	ND	50.9	53.5	ND	•
B55-2.5	6/6/2013	ND	1.59	103	ND	2.39	34.6	7.38	142	12.8	ND	19.1	ND	ND	ND	41.9	78.5	0.052	•
B55-5	6/6/2013	ND	3.46	110	0.531	2.06	32.6	6.95	26.6	3.98	2.41	29.8	ND	ND	ND	54.5	57.6	ND	•
B56-2.5	5/31/2013	ND	2.83	108	ND	2.03	31.9	8.01	154	11.2	ND	21.4	ND	ND	ND	14.7	82.9	ND	•
B56-5.0	5/31/2013	ND	4.94	129	ND	1.81	27.4	8.19	24.9	3.68	2.50	23.5	ND	ND	ND	42.1	53.6	ND	•
B57-2.5	6/7/2013	ND	3.88	127	ND	2.32	32.1	8.86	77.7	15	0.60	23.5	ND	ND	ND	50.9	70.8	ND	•
B57-5	6/7/2013	ND	13.1	151	0.589	3.04	37.9	10.6	34.6	5.47	4.17	33.2	ND	ND	ND	74.5	59.7	ND	•
B58-2.5	6/7/2013	ND	4.34	128	0.507	2.59	37.6	10.3	81.8	10.6	0.60	26.8	ND	ND	ND	57.7	72.2	ND	•
B58-5.0	6/7/2013	ND	17.1	171	0.672	3.71	41.5	13.8	38.1	5.64	5.76	38.9	ND	ND	ND	85.5	66.8	ND	•

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TABLE 3
Soil Matrix Sample Results for Title 22 Metals
12922 Panama Street
Los Angeles, California

Sample ID	Sample Date	Title 22 Metals by EPA Method 6010B/7471A (mg/kg) and Hexavalent Chromium by EPA Method 7199 (mg/kg) in Soil																	
		Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc	Mercury	Hexavalent Chromium
PQL (mg/kg):		0.5	0.25	0.5	0.5	0.5	0.5	0.5	0.5	0.25	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.05	0.500
ESLs - Commercial/Industrial		40	0.96	1,500	8.0	12.0	750	80	230	320	40	150	10	40	10	200	600	10	8.0
B61-2.5	5/31/2013	ND	1.39	68.4	ND	1.05	16.8	4.01	19.6	2.94	ND	10.8	ND	ND	ND	22.8	40.1	ND	•
B61-5.0	5/31/2013	0.761	2.94	78.1	ND	1.27	19.8	5.22	20.6	3.81	ND	14.2	ND	ND	ND	29.7	38.4	ND	•
B62-2.5	5/31/2013	ND	6.4	96.6	ND	1.69	24.2	9.62	26.8	17.6	2.25	17.9	ND	ND	ND	38.4	61.7	ND	•
B62-5.0	5/31/2013	ND	2.68	71.7	ND	1.38	19.9	4.87	20.2	4.00	0.534	15.1	ND	ND	ND	29.4	39.4	ND	•
B63-2.5	6/7/2013	1.82	1.17	78.1	ND	1.15	17.3	5.49	15.5	7.80	1.61	11.2	ND	ND	ND	34.8	46.7	ND	•
B63-5	6/7/2013	ND	3.76	173	0.6	2.76	39.7	7.81	30.5	4.46	2.67	31.7	ND	ND	ND	55.5	61.4	ND	•
B64-2.5	6/28/2013	ND	8.36	130	0.58	2.34	40.4	12	33.8	4.00	ND	31.2	ND	ND	ND	69.1	62	ND	•
B64-5	6/28/2013	ND	3	124	0.507	1.78	35.5	9.41	30.5	3.65	0.967	28.4	ND	ND	ND	49.7	57.4	ND	•
B64-10	6/28/2013	ND	6.71	76.7	ND	1.68	25	6.4	21.1	2.68	1.29	23.6	ND	ND	ND	44.0	45	ND	•
B65-2.5	6/28/2013	ND	2.61	86.6	ND	1.65	29.2	6.56	38.9	3.87	ND	19.3	ND	ND	ND	42.5	48.4	ND	•
B65-5	6/28/2013	ND	4.36	94.7	ND	1.72	30.6	6.49	25.7	3.45	1.55	24.9	ND	ND	ND	45.4	46.7	ND	•
B65-10	6/28/2013	ND	3.12	100	ND	1.7	23.8	6.33	20.8	2.71	0.67	22	ND	ND	ND	40.2	40.3	ND	•
B66-2.5	6/28/2013	ND	1.3	101	ND	1.85	27.4	5.99	140	10.00	0.609	15.6	ND	ND	ND	34.3	63.1	ND	•
B66-5	6/28/2013	1.11	5.27	163	ND	1.76	24.9	8.41	21.4	3.00	1.12	24.3	ND	ND	ND	47.5	40.6	ND	•
B66-10	6/28/2013	ND	5.78	56.7	ND	1.52	23	6.18	19	2.82	0.868	21.5	ND	ND	ND	42.1	39.5	ND	•
B67-2.5	6/28/2013	ND	1.22	96.5	ND	1.37	20.6	6.47	47.9	9.90	1.82	14.7	ND	ND	ND	35.9	45.8	ND	•
B67-5	6/28/2013	ND	5.2	139	ND	1.58	24.1	7.08	19.2	2.97	0.957	23.1	ND	ND	ND	48.1	36.4	ND	•
B67-10	6/28/2013	ND	4.57	70.8	ND	1.56	25.6	5.59	17.8	2.98	ND	19.9	ND	ND	ND	41.6	37.5	ND	•
B68-2.5	6/28/2013	0.991	1.62	74.6	ND	1.32	21	4.45	77.1	5.78	ND	12.9	ND	ND	ND	28.2	42.9	ND	•
B68-5	6/28/2013	ND	1.83	73.3	ND	1.27	29.4	5.09	19.3	2.12	ND	20.4	ND	ND	ND	41.4	36.3	ND	•
B69-2.5	6/28/2013	ND	2.71	105	ND	1.68	23.9	6.03	92.4	15.20	ND	16.9	ND	ND	ND	34.1	62.9	ND	•
B69-5	6/28/2013	1.25	3.8	80.6	ND	1.27	17.3	4.27	12.1	2.17	0.543	14.8	ND	ND	ND	34.7	24.2	ND	•
B69-10	6/28/2013	ND	6.41	57.4	ND	1.61	22.5	6.53	17.6	2.51	ND	21.5	ND	ND	ND	41.3	36.9	ND	•
B70-2.5	6/28/2013	ND	7.13	105	ND	1.93	27.4	6.63	62.2	11.90	ND	19.4	ND	ND	ND	41.4	67.6	ND	•
B70-5	6/28/2013	ND	5.9	65.6	ND	1.48	20.6	5.09	15.3	2.47	ND	17.3	ND	ND	ND	34.6	35.3	ND	•
B70-10	6/28/2013	ND	7.7	90.6	ND	1.78	28	7.23	21.4	3.06	0.732	23.3	ND	ND	ND	47.6	42	ND	•
B71-2.5	6/28/2013	ND	10.3	72.4	ND	2.23	31.2	8.86	22.8	4.66	ND	16.5	ND	ND	ND	66.7	68.9	ND	•
B71-5	6/28/2013	ND	5.59	108	ND	1.65	23.4	7.53	16.5	2.94	2.84	20.6	ND	ND	ND	40.1	35.4	ND	•
B71-10	6/28/2013	ND	5.84	98.4	ND	1.96	28.2	7.66	21.9	3.10	0.769	24.3	ND	ND	ND	45.0	46.5	ND	•
B72-2.5	6/28/2013	ND	2.01	97.9	ND	1.71	26.2	5.36	131	13.00	ND	16	ND	ND	ND	32.6	61.6	ND	•
B72-5	6/28/2013	ND	4.94	109	ND	1.92	33	5.47	23.4	2.93	1.4	25.4	ND	ND	ND	47.2	44.7	ND	•
B72-10	6/28/2013	ND	2.33	76	ND	1.84	38.8	6.9	23.8	2.14	ND	24.9	ND	ND	ND	58.1	45.6	ND	•
B73-2.5	6/28/2013	ND	1.38	104	ND	1.66	25.3	5.51	99	7.43	ND	16.4	ND	ND	ND	31.3	55.6	ND	•
B73-5	6/28/2013	ND	1.44	89.3	ND	1.09	24.3	4.39	15.9	2.19	ND	18.3	ND	ND	ND	29.7	35.6	ND	•
B73-10	6/28/2013	ND	5.6	64.8	ND	1.97	35.8	5.89	19.6	1.95	ND	23.4	ND	ND	ND	54.8	43.6	ND	•
V1-10	6/7/2013	ND	3.49	91.1	ND	1.89	39.5	7.96	22.2	3.48	0.605	30.4	ND	ND	ND	51.8	52.3	ND	•
V1-15	6/7/2013	ND	4.09	44.4	ND	1.2	18.6	4.22	12	2.03	ND	15.8	ND	ND	ND	27.6	30.4	ND	•
V1-20	6/7/2013	ND	13.1	194	0.737	4.4	48	20.3	43.3	6.99	2.4	53.3	ND	ND	ND	77.5	89.8	ND	•
WP-B	6/28/2013	0.678	4.51	182	ND	2.06	33.6	11.1	31.5	8.12	0.87	27.1	ND	ND	ND	44.0	45.2	ND	•
GW1-2.5	6/4/2013	0.628	4.37	115	ND	2.38	33.1	8.54	191	31.7	ND	23.3	ND	ND	ND	42.1	94.6	0.172	•
GW1-5	6/4/2013	0.597	10.4	153	0.577	2.67	35.5	8.53	30.4	4.15	2.60	3.08	ND	ND	ND	61.3	61.9	ND	•

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TABLE 3
Soil Matrix Sample Results for Title 22 Metals
12922 Panama Street
Los Angeles, California

Sample ID	Sample Date	Title 22 Metals by EPA Method 6010B/7471A (mg/kg) and Hexavalent Chromium by EPA Method 7199 (mg/kg) in Soil																	
		Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc	Mercury	Hexavalent Chromium
PQL (mg/kg):		0.5	0.25	0.5	0.5	0.5	0.5	0.5	0.5	0.25	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.05	0.500
ESLs - Commercial/Industrial		40	0.96	1,500	8.0	12.0	750	80	230	320	40	150	10	40	10	200	600	10	8.0
GW1-10	6/4/2013	ND	7.09	85.7	ND	1.91	43.5	6.28	23.0	2.26	ND	26.2	ND	ND	ND	53	54.7	ND	•
GW1-14	6/4/2013	1	6.07	60.1	ND	1.62	21.7	5.54	18.6	3.09	1.31	20.4	ND	ND	ND	38.7	48.6	ND	•
GW2-2.5	6/5/2013	ND	12.8	166	0.578	3	37.5	8.36	32.1	4.46	3.31	32.3	ND	ND	ND	73	65.2	ND	•
GW2-5	6/5/2013	0.544	9.4	134	0.523	2.67	33.2	9.72	29.1	4.64	1.44	29.6	ND	ND	ND	59.8	70.7	ND	•
GW2-10	6/5/2013	ND	13.3	119	ND	2.73	31.9	9.28	24.2	3.63	1.11	28.9	ND	ND	ND	48.7	62.5	ND	•
GW2-15	6/5/2013	1.4	8.66	163	0.608	3.13	44	12.3	36.2	5.48	2.01	38.8	ND	ND	ND	74.5	100	0.0517	•
GW3-2.5	6/4/2013	ND	4.06	103	ND	1.37	20.7	5.76	27.1	4.99	0.885	17.5	ND	ND	ND	35.1	38.6	ND	•
GW3-5	6/4/2013	ND	5.05	74.4	ND	2.26	22.1	6.27	96.0	3.88	1.50	22.3	ND	ND	ND	42.8	82.5	ND	•
GW3-10	6/4/2013	ND	5.26	98.8	ND	1.54	21.7	5.97	161	7.31	0.682	19.8	ND	ND	ND	36.0	53.0	ND	•
GW3-15	6/4/2013	1.19	6.4	70.4	ND	1.58	21.2	6.41	16.9	2.78	0.621	20.7	ND	ND	ND	37.4	39.3	ND	•

NOTES:

mg/kg = milligrams per kilogram

ND = Indicates constituent not detected at or above the PQL

PQL = Practical Quantitation Limit

• = Not Analyzed

ESLs = Environmental Screening Levels, based on the CRWQCB-San Francisco Bay Region's *Screening for Environmental Concerns at Site with Contaminated Soil and Groundwater*, using Summary Table A (May 2013) - ESLs in Shallow Soils, Groundwater is Current or Potential Source of Drinking Water

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TABLE 4
Soil Matrix Sample Results for TPH
12922 Panama Street
Los Angeles, California

Sample ID	Sample Date	Sample Depth (feet bgs)	TPHcc by EPA Method 8015M in Soil		
			TPH-GRO (C4-C12) (mg/kg)	TPH-DRO (C10-C28) (mg/kg)	TPH-ORO (C28+C36+) (mg/kg)
		PQL (mg/kg):	0.500	10.0	50.0
B1-5	4/26/2013	5	ND	ND	ND
B1-10	4/26/2013	10	ND	ND	ND
B2-2.5	4/25/2013	2.5	ND	ND	ND
B2-5	4/25/2013	5	ND	ND	ND
B3-2.5	4/25/2013	2.5	ND	ND	ND
B3-5	4/25/2013	5	ND	ND	ND
B4-2.5	4/29/2013	2.5	ND	ND	ND
B4-5	4/29/2013	5	ND	ND	ND
B5-10	4/29/2013	10	ND	ND	ND
B5-5	4/29/2013	5	ND	ND	ND
B6-2.5	4/29/2013	2.5	ND	ND	ND
B6-5	4/29/2013	5	ND	ND	ND
B7-2.5	4/26/2013	2.5	ND	ND	ND
B7-5	4/26/2013	5	ND	ND	ND
B8-2.5	4/26/2013	2.5	ND	ND	ND
B8-5	4/26/2013	5	ND	ND	ND
B9-2.5	4/26/2013	2.5	ND	ND	ND
B9-5	4/26/2013	5	ND	ND	ND
B10-2.5	4/26/2013	2.5	ND	ND	ND
B10-5	4/26/2013	5	ND	ND	ND
B11-2.5	4/29/2013	2.5	ND	ND	ND
B11-5	4/29/2013	5	ND	ND	ND
B12-2.5	4/29/2013	2.5	ND	ND	ND
B12-5	4/29/2013	5	ND	ND	ND
B13-2.5	4/29/2013	2.5	ND	ND	ND
B13-5	4/29/2013	5	ND	ND	ND
B14-2.5	5/1/2013	2.5	ND	ND	ND
B14-5	5/1/2013	5	ND	ND	ND
B15-2.5	5/1/2013	2.5	ND	ND	ND
B15-5	5/1/2013	5	ND	ND	ND
B16-2.5	5/1/2013	2.5	ND	ND	ND
B16-5	5/1/2013	5	ND	ND	ND
B17-2.5	5/1/2013	2.5	ND	ND	ND
B17-5	5/1/2013	5	ND	ND	ND
B18-2.5	5/1/2013	2.5	ND	ND	ND
B18-5	5/1/2013	5	ND	ND	ND
B19-2.5	5/2/2013	2.5	ND	ND	ND
B19-5	5/2/2013	5	ND	ND	ND
B28-2.5	4/25/2013	2.5	ND	ND	ND
B28-5	4/25/2013	5	ND	ND	ND

NOTES:
ND = Indicates constituents not detected above the PQL
PQL = Practical Quantitation Limit
TPH-GRO = total petroleum hydrocarbons as gasoline range organics
TPH-DRO = total petroleum hydrocarbons as diesel range organics
TPH-ORO = total petroleum hydrocarbons as oil range organics
mg/kg = milligrams per kilogram
bgs = Below ground surface

TABLE 5
Soil Matrix Sample Results for VOCs
12922 Panama Street
Los Angeles, California

VOCs in Soil by EPA Method 8260B	Sample ID	B1-5	B1-10	B2-2.5	B2-5	B6-2.5	B3-5	B4-2.5
	Date	4/26/2013	4/26/2013	4/25/2013	4/25/2013	4/25/2013	4/25/2013	4/29/2013
	PQL (ug/kg)	VOC Concentration (µg/kg)						
Acetone	50.0	ND	ND	65.7	ND	103	ND	ND
Benzene	2.00	ND	ND	ND	ND	ND	ND	ND
Bromobenzene (Phenyl bromide)	10.0	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane (Chlorobromomethane)	10.0	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane (Dichlorobromomethane)	10.0	ND	ND	ND	ND	ND	ND	ND
Bromoform (Tribromomethane)	50.0	ND	ND	ND	ND	ND	ND	ND
Bromomethane (Methyl bromide)	30.0	ND	ND	ND	ND	ND	ND	ND
2-Butanone (MEK, Methyl ethyl ketone)	50.0	ND	ND	ND	ND	ND	ND	ND
n-Butylbenzene	10.0	ND	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	10.0	ND	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	10.0	ND	ND	ND	ND	ND	ND	ND
Carbon disulfide	10.0	ND	ND	ND	ND	ND	ND	ND
Carbon tetrachloride (Tetrachloromethane)	10.0	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	10.0	ND	ND	ND	ND	ND	ND	ND
Chloroethane	30.0	ND	ND	ND	ND	ND	ND	ND
2-Chloroethyl vinyl ether	50.0	ND	ND	ND	ND	ND	ND	ND
Chloroform (Trichloromethane)	10.0	ND	ND	ND	ND	ND	ND	ND
Chloromethane (Methyl chloride)	30.0	ND	ND	ND	ND	ND	ND	ND
4-Chlorotoluene (p-Chlorotoluene)	10.0	ND	ND	ND	ND	ND	ND	ND
2-Chlorotoluene (o-Chlorotoluene)	10.0	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane (DBCP)	50.0	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	10.0	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane (EDB, Ethylene dibromide)	10.0	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	10.0	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene (o-Dichlorobenzene)	10.0	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene (m-Dichlorobenzene)	10.0	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene (p-Dichlorobenzene)	10.0	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	30.0	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	10.0	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	10.0	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene (1,1-Dichloroethylene)	10.0	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	10.0	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	10.0	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	10.0	ND	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	10.0	ND	ND	ND	ND	ND	ND	ND
2,2-Dichloropropane	10.0	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloropropene	10.0	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	10.0	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	10.0	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	2.00	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene (1,3-Hexachlorobutadiene)	30.0	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	50.0	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	10.0	ND	ND	ND	ND	ND	ND	ND
p-Isopropyltoluene (4-Isopropyltoluene)	10.0	ND	ND	ND	ND	ND	ND	ND
MTBE	5.00	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone (MIBK, Methyl isobutyl ketone)	50.0	ND	ND	ND	ND	ND	ND	ND
Methylene chloride (Dichloromethane, DCM)	50.0	ND	ND	ND	ND	ND	ND	ND
Naphthalene	10.0	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene	10.0	ND	ND	ND	ND	ND	ND	ND
Styrene	10.0	ND	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	10.0	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	10.0	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene (Tetrachloroethylene) (PCE)	10.0	ND	ND	ND	ND	ND	ND	110
Toluene (Methyl benzene)	2.00	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	10.0	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	10.0	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	10.0	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	10.0	ND	ND	ND	ND	ND	ND	ND
Trichloroethene (TCE)	10.0	ND	ND	ND	ND	ND	ND	300
Trichlorofluoromethane	10.0	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	10.0	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	10.0	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	10.0	ND	ND	ND	ND	ND	ND	ND
Vinyl acetate	50.0	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride (Chloroethene)	30.0	ND	ND	ND	ND	ND	ND	ND
o-Xylene	2.00	ND	ND	ND	ND	ND	ND	ND
m- & p-Xylenes	4.00	ND	ND	ND	ND	ND	ND	ND

NOTES:
VOC = Volatile Organic Compound
PQL = Practical Quantitation Limit
ND = Indicated constituents not detected above the PQL
ND<X = Indicated constituents not detected above the PQL of X
µg/kg = micrograms per kilogram

TABLE 5
Soil Matrix Sample Results for VOCs
12922 Panama Street
Los Angeles, California

VOCs in Soil by EPA Method 8260B	Sample ID:	34-5	B5-10	B5-5	B6-2.5	B6-5	B7-2.5	B7-5
	Date:	4/29/2013	4/29/2013	4/29/2013	4/29/2013	4/29/2013	4/26/2013	4/26/2013
	PQL (µg/kg)	VOC Concentration (µg/kg)						
Acetone	50.0	ND	ND	ND	ND	ND	ND	ND
Benzene	2.00	ND	ND	ND	ND	ND	ND	ND
Bromobenzene (Phenyl bromide)	10.0	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane (Chlorobromomethane)	10.0	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane (Dichlorobromomethane)	10.0	ND	ND	ND	ND	ND	ND	ND
Bromoform (Tribromomethane)	50.0	ND	ND	ND	ND	ND	ND	ND
Bromomethane (Methyl bromide)	30.0	ND	ND	ND	ND	ND	ND	ND
2-Butanone (MEK, Methyl ethyl ketone)	50.0	ND	ND	ND	ND	ND	ND	ND
n-Butylbenzene	10.0	ND	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	10.0	ND	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	10.0	ND	ND	ND	ND	ND	ND	ND
Carbon disulfide	10.0	ND	ND	ND	ND	ND	ND	ND
Carbon tetrachloride (Tetrachloromethane)	10.0	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	10.0	ND	ND	ND	ND	ND	ND	ND
Chloroethane	30.0	ND	ND	ND	ND	ND	ND	ND
2-Chloroethyl vinyl ether	50.0	ND	ND	ND	ND	ND	ND	ND
Chloroform (Trichloromethane)	10.0	ND	ND	ND	ND	ND	ND	ND
Chloromethane (Methyl chloride)	30.0	ND	ND	ND	ND	ND	ND	ND
4-Chlorotoluene (p-Chlorotoluene)	10.0	ND	ND	ND	ND	ND	ND	ND
2-Chlorotoluene (o-Chlorotoluene)	10.0	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane (DBCP)	50.0	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	10.0	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane (EDB, Ethylene dibromide)	10.0	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	10.0	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene (o-Dichlorobenzene)	10.0	ND	ND	ND	ND	ND	10.3	107
1,3-Dichlorobenzene (m-Dichlorobenzene)	10.0	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene (p-Dichlorobenzene)	10.0	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	30.0	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	10.0	ND	ND	ND	ND	ND	10.1	ND
1,2-Dichloroethane	10.0	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene (1,1-Dichloroethylene)	10.0	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	10.0	ND	ND	ND	ND	ND	204	69.4
trans-1,2-Dichloroethene	10.0	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	10.0	ND	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	10.0	ND	ND	ND	ND	ND	ND	ND
2,2-Dichloropropane	10.0	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloropropene	10.0	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	10.0	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	10.0	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	2.00	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene (1,3-Hexachlorobutadiene)	30.0	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	50.0	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	10.0	ND	ND	ND	ND	ND	ND	ND
p-Isopropyltoluene (4-Isopropyltoluene)	10.0	ND	ND	ND	ND	ND	ND	ND
MTBE	5.00	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone (MIBK, Methyl isobutyl ketone)	50.0	ND	ND	ND	ND	ND	ND	ND
Methylene chloride (Dichloromethane, DCM)	50.0	ND	ND	ND	ND	ND	ND	ND
Naphthalene	10.0	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene	10.0	ND	ND	ND	ND	ND	ND	ND
Styrene	10.0	ND	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	10.0	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	10.0	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene (Tetrachloroethylene) (PCE)	10.0	10.7	ND	ND	30.0	ND	ND	ND
Toluene (Methyl benzene)	2.00	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	10.0	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	10.0	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	10.0	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	10.0	ND	ND	ND	ND	ND	ND	ND
Trichloroethene (TCE)	10.0	31.4	ND	ND	58.0	ND	ND	ND
Trichlorofluoromethane	10.0	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	10.0	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	10.0	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	10.0	ND	ND	ND	ND	ND	ND	ND
Vinyl acetate	50.0	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride (Chloroethene)	30.0	ND	ND	ND	ND	ND	ND	ND
o-Xylene	2.00	ND	ND	ND	ND	ND	ND	ND
m- & p-Xylenes	4.00	ND	ND	ND	ND	ND	ND	ND

NOTES:
VOC = Volatile Organic Compound
PQL = Practical Quantitation Limit
ND = Indicated constituents not detected above the PQL
ND<X = Indicated constituents not detected above the PQL of X
µg/kg = micrograms per kilogram

TABLE 5
Soil Matrix Sample Results for VOCs
12922 Panama Street
Los Angeles, California

VOCs in Soil by EPA Method 8260B	Sample ID	B8-2.5	B8-5	B9-2.5	B9-5	B10-2.5	B10-5	B11-2.5
	Date	4/26/2013	4/26/2013	4/26/2013	4/26/2013	4/26/2013	4/26/2013	4/29/2013
	PQL (µg/kg)	VOC Concentration (µg/kg)						
Acetone	50.0	63.2	ND	ND<250	ND	ND<2500	ND<1000	ND
Benzene	2.00	ND	ND	ND<10	ND	ND<100	ND<40	4.04
Bromobenzene (Phenyl bromide)	10.0	ND	ND	ND<50	ND	ND<500	ND<200	ND
Bromochloromethane (Chlorobromomethane)	10.0	ND	ND	ND<50	ND	ND<500	ND<200	ND
Bromodichloromethane (Dichlorobromomethane)	10.0	ND	ND	ND<50	ND	ND<500	ND<200	ND
Bromoform (Tribromomethane)	50.0	ND	ND	ND<250	ND	ND<2500	ND<1000	ND
Bromomethane (Methyl bromide)	30.0	ND	ND	ND<150	ND	ND<1500	ND<600	ND
2-Butanone (MEK, Methyl ethyl ketone)	50.0	ND	ND	ND<250	ND	ND<2500	ND<1000	ND
n-Butylbenzene	10.0	ND	ND	ND<50	ND	ND<500	ND<200	ND
sec-Butylbenzene	10.0	ND	ND	ND<50	ND	ND<500	ND<200	ND
tert-Butylbenzene	10.0	ND	ND	ND<50	ND	ND<500	ND<200	ND
Carbon disulfide	10.0	ND	ND	ND<50	ND	ND<500	ND<200	ND
Carbon tetrachloride (Tetrachloromethane)	10.0	ND	ND	ND<50	ND	ND<500	ND<200	ND
Chlorobenzene	10.0	ND	ND	ND<50	ND	ND<500	ND<200	ND
Chloroethane	30.0	ND	ND	ND<150	ND	ND<1500	ND<600	ND
2-Chloroethyl vinyl ether	50.0	ND	ND	ND<250	ND	ND<2500	ND<1000	ND
Chloroform (Trichloromethane)	10.0	ND	ND	ND<50	ND	ND<500	ND<200	ND
Chloromethane (Methyl chloride)	30.0	ND	ND	ND<150	ND	ND<1500	ND<600	ND
4-Chlorotoluene (p-Chlorotoluene)	10.0	ND	ND	ND<50	ND	ND<500	ND<200	ND
2-Chlorotoluene (o-Chlorotoluene)	10.0	ND	ND	ND<50	ND	ND<500	ND<200	ND
1,2-Dibromo-3-chloropropane (DBCP)	50.0	ND	ND	ND<250	ND	ND<2500	ND<1000	ND
Dibromochloromethane	10.0	ND	ND	ND<50	ND	ND<500	ND<200	ND
1,2-Dibromoethane (EDB, Ethylene dibromide)	10.0	ND	ND	ND<50	ND	ND<500	ND<200	ND
Dibromomethane	10.0	ND	ND	ND<50	ND	ND<500	ND<200	ND
1,2-Dichlorobenzene (o-Dichlorobenzene)	10.0	17.3	56.6	77.0	ND	ND<500	ND<200	ND
1,3-Dichlorobenzene (m-Dichlorobenzene)	10.0	ND	ND	ND<50	ND	ND<500	ND<200	ND
1,4-Dichlorobenzene (p-Dichlorobenzene)	10.0	ND	ND	ND<50	ND	ND<500	ND<200	ND
Dichlorodifluoromethane	30.0	ND	ND	ND<150	ND	ND<1500	ND<600	ND
1,1-Dichloroethane	10.0	ND	ND	ND<50	ND	ND<500	ND<200	ND
1,2-Dichloroethane	10.0	ND	ND	ND<50	ND	ND<500	ND<200	ND
1,1-Dichloroethene (1,1-Dichloroethylene)	10.0	ND	ND	ND<50	ND	ND<500	ND<200	ND
cis-1,2-Dichloroethene	10.0	ND	ND	1,190	107	ND<500	ND<200	108
trans-1,2-Dichloroethene	10.0	ND	ND	ND<50	ND	ND<500	ND<200	ND
1,2-Dichloropropane	10.0	ND	ND	ND<50	ND	ND<500	ND<200	ND
1,3-Dichloropropane	10.0	ND	ND	ND<50	ND	ND<500	ND<200	ND
2,2-Dichloropropane	10.0	ND	ND	ND<50	ND	ND<500	ND<200	ND
1,1-Dichloropropene	10.0	ND	ND	ND<50	ND	ND<500	ND<200	ND
cis-1,3-Dichloropropene	10.0	ND	ND	ND<50	ND	ND<500	ND<200	ND
trans-1,3-Dichloropropene	10.0	ND	ND	ND<50	ND	ND<500	ND<200	ND
Ethylbenzene	2.00	ND	ND	ND<10	ND	ND<100	ND<40	ND
Hexachlorobutadiene (1,3-Hexachlorobutadiene)	30.0	ND	ND	ND<150	ND	ND<1500	ND<600	ND
2-Hexanone	50.0	ND	ND	ND<250	ND	ND<2500	ND<1000	ND
Isopropylbenzene	10.0	ND	ND	ND<50	ND	ND<500	ND<200	ND
p-Isopropyltoluene (4-Isopropyltoluene)	10.0	ND	ND	ND<50	ND	ND<500	ND<200	ND
MTBE	5.00	ND	ND	ND<25	ND	ND<250	ND<100	ND
4-Methyl-2-pentanone (MIBK, Methyl isobutyl ketone)	50.0	ND	ND	ND<250	ND	ND<2500	ND<1000	ND
Methylene chloride (Dichloromethane, DCM)	50.0	ND	ND	ND<250	ND	ND<2500	ND<1000	ND
Naphthalene	10.0	ND	ND	ND<50	ND	ND<500	ND<200	ND
n-Propylbenzene	10.0	ND	ND	ND<50	ND	ND<500	ND<200	ND
Styrene	10.0	ND	ND	ND<50	ND	ND<500	ND<200	ND
1,1,1,2-Tetrachloroethane	10.0	ND	ND	ND<50	ND	ND<500	ND<200	ND
1,1,2,2-Tetrachloroethane	10.0	ND	ND	ND<50	ND	ND<500	ND<200	ND
Tetrachloroethene (Tetrachloroethylene) (PCE)	10.0	316	65.2	725	29.6	40,600	10,500	133
Toluene (Methyl benzene)	2.00	ND	ND	ND<10	ND	ND<100	ND<40	3.06
1,2,3-Trichlorobenzene	10.0	ND	ND	ND<50	ND	ND<500	ND<200	ND
1,2,4-Trichlorobenzene	10.0	ND	ND	ND<50	ND	ND<500	ND<200	ND
1,1,1-Trichloroethane	10.0	ND	ND	ND<50	ND	ND<500	ND<200	ND
1,1,2-Trichloroethane	10.0	ND	ND	ND<50	ND	ND<500	ND<200	ND
Trichloroethene (TCE)	10.0	34.0	ND	452	11.3	ND<500	ND<200	69.2
Trichlorofluoromethane	10.0	ND	ND	ND<50	ND	ND<500	ND<200	ND
1,2,3-Trichloropropane	10.0	ND	ND	ND<50	ND	ND<500	ND<200	ND
1,2,4-Trimethylbenzene	10.0	ND	ND	ND<50	ND	ND<500	ND<200	ND
1,3,5-Trimethylbenzene	10.0	ND	ND	ND<50	ND	ND<500	ND<200	ND
Vinyl acetate	50.0	ND	ND	ND<250	ND	ND<2500	ND<1000	ND
Vinyl chloride (Chloroethene)	30.0	ND	ND	ND<150	ND	ND<1500	ND<600	ND
o-Xylene	2.00	ND	ND	ND<10	ND	ND<100	ND<40	ND
m- & p-Xylenes	4.00	ND	ND	ND<20	ND	ND<200	ND<80	ND

NOTES:
VOC = Volatile Organic Compound
PQL = Practical Quantitation Limit
ND = Indicated constituents not detected above the PQL
ND<X = Indicated constituents not detected above the PQL of X
µg/kg = micrograms per kilogram

TABLE 5
Soil Matrix Sample Results for VOCs
12922 Panama Street
Los Angeles, California

VOCs in Soil by EPA Method 8260B	Sample ID:	B11-5	B12-2.5	B12-5	B13-2.5	B13-5	B14-2.5	B14-5
	Date:	4/29/2013	4/29/2013	4/29/2013	4/29/2013	4/29/2013	5/1/2013	5/1/2013
	PQL (µg/kg)	VOC Concentration (µg/kg)						
Acetone	50.0	ND	ND<250	ND	ND<250	ND	101	ND
Benzene	2.00	ND	ND<10	ND	ND<10	ND	2.28	ND
Bromobenzene (Phenyl bromide)	10.0	ND	ND<50	ND	ND<50	ND	ND	ND
Bromochloromethane (Chlorobromomethane)	10.0	ND	ND<50	ND	ND<50	ND	ND	ND
Bromodichloromethane (Dichlorobromomethane)	10.0	ND	ND<50	ND	ND<50	ND	ND	ND
Bromoform (Tribromomethane)	50.0	ND	ND<250	ND	ND<250	ND	ND	ND
Bromomethane (Methyl bromide)	30.0	ND	ND<150	ND	ND<150	ND	ND	ND
2-Butanone (MEK, Methyl ethyl ketone)	50.0	ND	ND<250	ND	ND<250	ND	ND	ND
n-Butylbenzene	10.0	ND	ND<50	ND	ND<50	ND	ND	ND
sec-Butylbenzene	10.0	ND	ND<50	ND	ND<50	ND	ND	ND
tert-Butylbenzene	10.0	ND	ND<50	ND	ND<50	ND	ND	ND
Carbon disulfide	10.0	ND	ND<50	ND	ND<50	ND	ND	ND
Carbon tetrachloride (Tetrachloromethane)	10.0	ND	ND<50	ND	ND<50	ND	ND	ND
Chlorobenzene	10.0	ND	ND<50	ND	ND<50	ND	ND	ND
Chloroethane	30.0	ND	ND<150	ND	ND<150	ND	ND	ND
2-Chloroethyl vinyl ether	50.0	ND	ND<250	ND	ND<250	ND	ND	ND
Chloroform (Trichloromethane)	10.0	ND	ND<50	ND	ND<50	ND	ND	ND
Chloromethane (Methyl chloride)	30.0	ND	ND<150	ND	ND<150	ND	ND	ND
4-Chlorotoluene (p-Chlorotoluene)	10.0	ND	ND<50	ND	ND<50	ND	ND	ND
2-Chlorotoluene (o-Chlorotoluene)	10.0	ND	ND<50	ND	ND<50	ND	ND	ND
1,2-Dibromo-3-chloropropane (DBCP)	50.0	ND	ND<250	ND	ND<250	ND	ND	ND
Dibromochloromethane	10.0	ND	ND<50	ND	ND<50	ND	ND	ND
1,2-Dibromoethane (EDB, Ethylene dibromide)	10.0	ND	ND<50	ND	ND<50	ND	ND	ND
Dibromomethane	10.0	ND	ND<50	ND	ND<50	ND	ND	ND
1,2-Dichlorobenzene (o-Dichlorobenzene)	10.0	ND	120	ND	ND<50	ND	ND	ND
1,3-Dichlorobenzene (m-Dichlorobenzene)	10.0	ND	ND<50	ND	ND<50	ND	ND	ND
1,4-Dichlorobenzene (p-Dichlorobenzene)	10.0	ND	ND<50	ND	ND<50	ND	ND	ND
Dichlorodifluoromethane	30.0	ND	ND<150	ND	ND<150	ND	ND	ND
1,1-Dichloroethane	10.0	ND	ND<50	ND	ND<50	ND	ND	ND
1,2-Dichloroethane	10.0	ND	ND<50	ND	ND<50	ND	ND	ND
1,1-Dichloroethene (1,1-Dichloroethylene)	10.0	ND	ND<50	ND	ND<50	ND	ND	ND
cis-1,2-Dichloroethene	10.0	ND	4,190	218	1,810	132	ND	ND
trans-1,2-Dichloroethene	10.0	ND	70.0	ND	ND<50	ND	ND	ND
1,2-Dichloropropane	10.0	ND	ND<50	ND	ND<50	ND	ND	ND
1,3-Dichloropropane	10.0	ND	ND<50	ND	ND<50	ND	ND	ND
2,2-Dichloropropane	10.0	ND	ND<50	ND	ND<50	ND	ND	ND
1,1-Dichloropropene	10.0	ND	ND<50	ND	ND<50	ND	ND	ND
cis-1,3-Dichloropropene	10.0	ND	ND<50	ND	ND<50	ND	ND	ND
trans-1,3-Dichloropropene	10.0	ND	ND<50	ND	ND<50	ND	ND	ND
Ethylbenzene	2.00	ND	ND<10	ND	ND<10	ND	ND	ND
Hexachlorobutadiene (1,3-Hexachlorobutadiene)	30.0	ND	ND<150	ND	ND<150	ND	ND	ND
2-Hexanone	50.0	ND	ND<250	ND	ND<250	ND	ND	ND
Isopropylbenzene	10.0	ND	ND<50	ND	ND<50	ND	ND	ND
p-Isopropyltoluene (4-Isopropyltoluene)	10.0	ND	ND<50	ND	ND<50	ND	ND	ND
MTBE	5.00	ND	ND<25	ND	ND<25	ND	ND	ND
4-Methyl-2-pentanone (MIBK, Methyl isobutyl ketone)	50.0	ND	ND<250	ND	ND<250	ND	ND	ND
Methylene chloride (Dichloromethane, DCM)	50.0	ND	ND<250	ND	ND<250	ND	ND	ND
Naphthalene	10.0	ND	ND<50	ND	ND<50	ND	ND	ND
n-Propylbenzene	10.0	ND	ND<50	ND	ND<50	ND	ND	ND
Styrene	10.0	ND	ND<50	ND	ND<50	ND	ND	ND
1,1,1,2-Tetrachloroethane	10.0	ND	ND<50	ND	ND<50	ND	ND	ND
1,1,2,2-Tetrachloroethane	10.0	ND	ND<50	ND	ND<50	ND	ND	ND
Tetrachloroethene (Tetrachloroethylene) (PCE)	10.0	ND	59.0	ND	ND<50	ND	43.4	ND
Toluene (Methyl benzene)	2.00	ND	ND<10	ND	ND<10	ND	ND	ND
1,2,3-Trichlorobenzene	10.0	ND	ND<50	ND	ND<50	ND	ND	ND
1,2,4-Trichlorobenzene	10.0	ND	ND<50	ND	ND<50	ND	ND	ND
1,1,1-Trichloroethane	10.0	ND	ND<50	ND	ND<50	ND	ND	ND
1,1,2-Trichloroethane	10.0	ND	ND<50	ND	ND<50	ND	ND	ND
Trichloroethene (TCE)	10.0	ND	160	ND	ND<50	ND	15.7	ND
Trichlorofluoromethane	10.0	ND	ND<50	ND	ND<50	ND	ND	ND
1,2,3-Trichloropropane	10.0	ND	ND<50	ND	ND<50	ND	ND	ND
1,2,4-Trimethylbenzene	10.0	ND	ND<50	ND	ND<50	ND	ND	ND
1,3,5-Trimethylbenzene	10.0	ND	ND<50	ND	ND<50	ND	ND	ND
Vinyl acetate	50.0	ND	ND<250	ND	ND<250	ND	ND	ND
Vinyl chloride (Chloroethene)	30.0	ND	ND<150	ND	ND<150	ND	ND	ND
o-Xylene	2.00	ND	ND<10	ND	ND<10	ND	ND	ND
m- & p-Xylenes	4.00	ND	ND<20	ND	ND<20	ND	ND	ND

NOTES:
VOC = Volatile Organic Compound
PQL = Practical Quantitation Limit
ND = Indicated constituents not detected above the PQL
ND<X = Indicated constituents not detected above the PQL of X
µg/kg = micrograms per kilogram

TABLE 5
Soil Matrix Sample Results for VOCs
12922 Panama Street
Los Angeles, California

VOCs in Soil by EPA Method 8260B	Sample ID:	B15-2.5	B15-5	B16-2.5	B16-5	B16-10	B17-2.5	B17-5
	Date:	5/1/2013	5/1/2013	5/1/2013	5/1/2013	5/1/2013	5/1/2013	5/1/2013
	PQL (µg/kg)	VOC Concentration (µg/kg)						
Acetone	50.0	108	ND	65.2	ND	ND	ND	ND
Benzene	2.00	3.40	ND	ND	ND	ND	ND	ND
Bromobenzene (Phenyl bromide)	10.0	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane (Chlorobromomethane)	10.0	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane (Dichlorobromomethane)	10.0	ND	ND	ND	ND	ND	ND	ND
Bromoform (Tribromomethane)	50.0	ND	ND	ND	ND	ND	ND	ND
Bromomethane (Methyl bromide)	30.0	ND	ND	ND	ND	ND	ND	ND
2-Butanone (MEK, Methyl ethyl ketone)	50.0	ND	ND	ND	ND	ND	ND	ND
n-Butylbenzene	10.0	ND	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	10.0	ND	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	10.0	ND	ND	ND	ND	ND	ND	ND
Carbon disulfide	10.0	ND	ND	ND	ND	ND	ND	ND
Carbon tetrachloride (Tetrachloromethane)	10.0	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	10.0	ND	ND	ND	ND	ND	ND	ND
Chloroethane	30.0	ND	ND	ND	ND	ND	ND	ND
2-Chloroethyl vinyl ether	50.0	ND	ND	ND	ND	ND	ND	ND
Chloroform (Trichloromethane)	10.0	ND	ND	ND	ND	ND	ND	ND
Chloromethane (Methyl chloride)	30.0	ND	ND	ND	ND	ND	ND	ND
4-Chlorotoluene (p-Chlorotoluene)	10.0	ND	ND	ND	ND	ND	ND	ND
2-Chlorotoluene (o-Chlorotoluene)	10.0	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane (DBCP)	50.0	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	10.0	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane (EDB, Ethylene dibromide)	10.0	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	10.0	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene (o-Dichlorobenzene)	10.0	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene (m-Dichlorobenzene)	10.0	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene (p-Dichlorobenzene)	10.0	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	30.0	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	10.0	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	10.0	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene (1,1-Dichloroethylene)	10.0	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	10.0	13.4	ND	162	23.3	ND	ND	ND
trans-1,2-Dichloroethene	10.0	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	10.0	ND	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	10.0	ND	ND	ND	ND	ND	ND	ND
2,2-Dichloropropane	10.0	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloropropene	10.0	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	10.0	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	10.0	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	2.00	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene (1,3-Hexachlorobutadiene)	30.0	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	50.0	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	10.0	ND	ND	ND	ND	ND	ND	ND
p-Isopropyltoluene (4-Isopropyltoluene)	10.0	ND	ND	ND	ND	ND	ND	ND
MTBE	5.00	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone (MIBK, Methyl isobutyl ketone)	50.0	ND	ND	ND	ND	ND	ND	ND
Methylene chloride (Dichloromethane, DCM)	50.0	ND	ND	ND	ND	ND	ND	ND
Naphthalene	10.0	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene	10.0	ND	ND	ND	ND	ND	ND	ND
Styrene	10.0	ND	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	10.0	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	10.0	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene (Tetrachloroethylene) (PCE)	10.0	84.6	ND	42.6	ND	ND	ND	ND
Toluene (Methyl benzene)	2.00	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	10.0	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	10.0	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	10.0	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	10.0	ND	ND	ND	ND	ND	ND	ND
Trichloroethene (TCE)	10.0	34.5	ND	67.5	ND	ND	ND	ND
Trichlorofluoromethane	10.0	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	10.0	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	10.0	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	10.0	ND	ND	ND	ND	ND	ND	ND
Vinyl acetate	50.0	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride (Chloroethene)	30.0	ND	ND	ND	ND	ND	ND	ND
o-Xylene	2.00	ND	ND	ND	ND	ND	ND	ND
m- & p-Xylenes	4.00	ND	ND	ND	ND	ND	ND	ND

NOTES:
VOC = Volatile Organic Compound
PQL = Practical Quantitation Limit
ND = Indicated constituents not detected above the PQL
ND<X = Indicated constituents not detected above the PQL of X
µg/kg = micrograms per kilogram

TABLE 5
Soil Matrix Sample Results for VOCs
12922 Panama Street
Los Angeles, California

VOCs in Soil by EPA Method 8260B	Sample ID:	B18-2.5	B18-5	B19-2.5	B19-5	B20-2.5	B20-5	B20-10
	Date:	5/1/2013	5/1/2013	5/2/2013	5/2/2013	5/2/2013	5/2/2013	5/2/2013
	PQL (µg/kg)	VOC Concentration (µg/kg)						
Acetone	50.0	ND	ND	ND	ND	ND	ND	ND
Benzene	2.00	ND	ND	ND	ND	ND	ND	ND
Bromobenzene (Phenyl bromide)	10.0	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane (Chlorobromomethane)	10.0	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane (Dichlorobromomethane)	10.0	ND	ND	ND	ND	ND	ND	ND
Bromoform (Tribromomethane)	50.0	ND	ND	ND	ND	ND	ND	ND
Bromomethane (Methyl bromide)	30.0	ND	ND	ND	ND	ND	ND	ND
2-Butanone (MEK, Methyl ethyl ketone)	50.0	ND	ND	ND	ND	ND	ND	ND
n-Butylbenzene	10.0	ND	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	10.0	ND	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	10.0	ND	ND	ND	ND	ND	ND	ND
Carbon disulfide	10.0	ND	ND	ND	ND	ND	ND	ND
Carbon tetrachloride (Tetrachloromethane)	10.0	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	10.0	ND	ND	ND	ND	ND	ND	ND
Chloroethane	30.0	ND	ND	ND	ND	ND	ND	ND
2-Chloroethyl vinyl ether	50.0	ND	ND	ND	ND	ND	ND	ND
Chloroform (Trichloromethane)	10.0	ND	ND	ND	ND	ND	ND	ND
Chloromethane (Methyl chloride)	30.0	ND	ND	ND	ND	ND	ND	ND
4-Chlorotoluene (p-Chlorotoluene)	10.0	ND	ND	ND	ND	ND	ND	ND
2-Chlorotoluene (o-Chlorotoluene)	10.0	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane (DBCP)	50.0	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	10.0	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane (EDB, Ethylene dibromide)	10.0	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	10.0	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene (o-Dichlorobenzene)	10.0	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene (m-Dichlorobenzene)	10.0	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene (p-Dichlorobenzene)	10.0	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	30.0	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	10.0	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	10.0	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene (1,1-Dichloroethylene)	10.0	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	10.0	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	10.0	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	10.0	ND	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	10.0	ND	ND	ND	ND	ND	ND	ND
2,2-Dichloropropane	10.0	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloropropene	10.0	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	10.0	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	10.0	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	2.00	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene (1,3-Hexachlorobutadiene)	30.0	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	50.0	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	10.0	ND	ND	ND	ND	ND	ND	ND
p-Isopropyltoluene (4-Isopropyltoluene)	10.0	ND	ND	ND	ND	ND	ND	ND
MTBE	5.00	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone (MIBK, Methyl isobutyl ketone)	50.0	ND	ND	ND	ND	ND	ND	ND
Methylene chloride (Dichloromethane, DCM)	50.0	ND	ND	ND	ND	ND	ND	ND
Naphthalene	10.0	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene	10.0	ND	ND	ND	ND	ND	ND	ND
Styrene	10.0	ND	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	10.0	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	10.0	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene (Tetrachloroethylene) (PCE)	10.0	ND	ND	ND	ND	18.1	ND	ND
Toluene (Methyl benzene)	2.00	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	10.0	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	10.0	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	10.0	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	10.0	ND	ND	ND	ND	ND	ND	ND
Trichloroethene (TCE)	10.0	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	10.0	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	10.0	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	10.0	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	10.0	ND	ND	ND	ND	ND	ND	ND
Vinyl acetate	50.0	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride (Chloroethene)	30.0	ND	ND	ND	ND	ND	ND	ND
o-Xylene	2.00	ND	ND	ND	ND	ND	ND	ND
m- & p-Xylenes	4.00	ND	ND	ND	ND	ND	ND	ND

NOTES:
VOC = Volatile Organic Compound
PQL = Practical Quantitation Limit
ND = Indicated constituents not detected above the PQL
ND<X = Indicated constituents not detected above the PQL of X
µg/kg = micrograms per kilogram

TABLE 5
Soil Matrix Sample Results for VOCs
12922 Panama Street
Los Angeles, California

VOCs in Soil by EPA Method 8260B	Sample ID	B21-2.5	B21-5	B21-10	B22-2.5	B22-5	B22-10	B23-2.5
	Date	5/2/2013	5/2/2013	5/2/2013	5/2/2013	5/2/2013	5/2/2013	5/1/2013
	PQL (ug/kg)	VOC Concentration (ug/kg)						
Acetone	50.0	ND	ND	ND	ND	ND	ND	ND
Benzene	2.00	ND	ND	ND	ND	ND	ND	ND
Bromobenzene (Phenyl bromide)	10.0	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane (Chlorobromomethane)	10.0	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane (Dichlorobromomethane)	10.0	ND	ND	ND	ND	ND	ND	ND
Bromoform (Tribromomethane)	50.0	ND	ND	ND	ND	ND	ND	ND
Bromomethane (Methyl bromide)	30.0	ND	ND	ND	ND	ND	ND	ND
2-Butanone (MEK, Methyl ethyl ketone)	50.0	ND	ND	ND	ND	ND	ND	ND
n-Butylbenzene	10.0	ND	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	10.0	ND	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	10.0	ND	ND	ND	ND	ND	ND	ND
Carbon disulfide	10.0	ND	ND	ND	ND	ND	ND	ND
Carbon tetrachloride (Tetrachloromethane)	10.0	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	10.0	ND	ND	ND	ND	ND	ND	ND
Chloroethane	30.0	ND	ND	ND	ND	ND	ND	ND
2-Chloroethyl vinyl ether	50.0	ND	ND	ND	ND	ND	ND	ND
Chloroform (Trichloromethane)	10.0	ND	ND	ND	ND	ND	ND	ND
Chloromethane (Methyl chloride)	30.0	ND	ND	ND	ND	ND	ND	ND
4-Chlorotoluene (p-Chlorotoluene)	10.0	ND	ND	ND	ND	ND	ND	ND
2-Chlorotoluene (o-Chlorotoluene)	10.0	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane (DBCP)	50.0	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	10.0	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane (EDB, Ethylene dibromide)	10.0	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	10.0	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene (o-Dichlorobenzene)	10.0	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene (m-Dichlorobenzene)	10.0	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene (p-Dichlorobenzene)	10.0	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	30.0	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	10.0	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	10.0	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene (1,1-Dichloroethylene)	10.0	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	10.0	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	10.0	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	10.0	ND	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	10.0	ND	ND	ND	ND	ND	ND	ND
2,2-Dichloropropane	10.0	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloropropene	10.0	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	10.0	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	10.0	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	2.00	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene (1,3-Hexachlorobutadiene)	30.0	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	50.0	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	10.0	ND	ND	ND	ND	ND	ND	ND
p-Isopropyltoluene (4-Isopropyltoluene)	10.0	ND	ND	ND	ND	ND	ND	ND
MTBE	5.00	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone (MIBK, Methyl isobutyl ketone)	50.0	ND	ND	ND	ND	ND	ND	ND
Methylene chloride (Dichloromethane, DCM)	50.0	ND	ND	ND	ND	ND	ND	ND
Naphthalene	10.0	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene	10.0	ND	ND	ND	ND	ND	ND	ND
Styrene	10.0	ND	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	10.0	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	10.0	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene (Tetrachloroethylene) (PCE)	10.0	ND	ND	ND	ND	ND	ND	44
Toluene (Methyl benzene)	2.00	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	10.0	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	10.0	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	10.0	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	10.0	ND	ND	ND	ND	ND	ND	ND
Trichloroethene (TCE)	10.0	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	10.0	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	10.0	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	10.0	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	10.0	ND	ND	ND	ND	ND	ND	ND
Vinyl acetate	50.0	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride (Chloroethene)	30.0	ND	ND	ND	ND	ND	ND	ND
o-Xylene	2.00	ND	ND	ND	ND	ND	ND	ND
m- & p-Xylenes	4.00	ND	ND	ND	ND	ND	ND	ND

NOTES:
VOC = Volatile Organic Compound
PQL = Practical Quantitation Limit
ND = Indicated constituents not detected above the PQL
ND<X = Indicated constituents not detected above the PQL of X
µg/kg = micrograms per kilogram

TABLE 5
Soil Matrix Sample Results for VOCs
12922 Panama Street
Los Angeles, California

VOCs In Soil by EPA Method 8260B	Sample ID:	B23-5	B23-10	B28-5	B28-...5	B29-2.5	B29-5	B29-10
	Date:	5/1/2013	5/1/2013	4/25/2013	4/25/2013	5/1/2013	5/1/2013	5/1/2013
	PQL (µg/kg)	VOC Concentration (µg/kg)						
Acetone	50.0	ND	ND	ND	ND	ND	ND	ND
Benzene	2.00	ND	ND	ND	2.40	ND	ND	ND
Bromobenzene (Phenyl bromide)	10.0	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane (Chlorobromomethane)	10.0	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane (Dichlorobromomethane)	10.0	ND	ND	ND	ND	ND	ND	ND
Bromoform (Tribromomethane)	50.0	ND	ND	ND	ND	ND	ND	ND
Bromomethane (Methyl bromide)	30.0	ND	ND	ND	ND	ND	ND	ND
2-Butanone (MEK, Methyl ethyl ketone)	50.0	ND	ND	ND	ND	ND	ND	ND
n-Butylbenzene	10.0	ND	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	10.0	ND	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	10.0	ND	ND	ND	ND	ND	ND	ND
Carbon disulfide	10.0	ND	ND	ND	ND	ND	ND	ND
Carbon tetrachloride (Tetrachloromethane)	10.0	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	10.0	ND	ND	ND	ND	ND	ND	ND
Chloroethane	30.0	ND	ND	ND	ND	ND	ND	ND
2-Chloroethyl vinyl ether	50.0	ND	ND	ND	ND	ND	ND	ND
Chloroform (Trichloromethane)	10.0	ND	ND	ND	ND	ND	ND	ND
Chloromethane (Methyl chloride)	30.0	ND	ND	ND	ND	ND	ND	ND
4-Chlorotoluene (p-Chlorotoluene)	10.0	ND	ND	ND	ND	ND	ND	ND
2-Chlorotoluene (o-Chlorotoluene)	10.0	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane (DBCP)	50.0	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	10.0	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane (EDB, Ethylene dibromide)	10.0	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	10.0	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene (o-Dichlorobenzene)	10.0	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene (m-Dichlorobenzene)	10.0	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene (p-Dichlorobenzene)	10.0	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	30.0	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	10.0	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	10.0	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene (1,1-Dichloroethylene)	10.0	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	10.0	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	10.0	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	10.0	ND	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	10.0	ND	ND	ND	ND	ND	ND	ND
2,2-Dichloropropane	10.0	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloropropene	10.0	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	10.0	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	10.0	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	2.00	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene (1,3-Hexachlorobutadiene)	30.0	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	50.0	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	10.0	ND	ND	ND	ND	ND	ND	ND
p-Isopropyltoluene (4-Isopropyltoluene)	10.0	ND	ND	ND	ND	ND	ND	ND
MTBE	5.00	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone (MIBK, Methyl isobutyl ketone)	50.0	ND	ND	ND	ND	ND	ND	ND
Methylene chloride (Dichloromethane, DCM)	50.0	ND	ND	ND	ND	ND	ND	ND
Naphthalene	10.0	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene	10.0	ND	ND	ND	ND	ND	ND	ND
Styrene	10.0	ND	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	10.0	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	10.0	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene (Tetrachloroethylene) (PCE)	10.0	ND	ND	ND	ND	ND	ND	ND
Toluene (Methyl benzene)	2.00	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	10.0	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	10.0	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	10.0	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	10.0	ND	ND	ND	ND	ND	ND	ND
Trichloroethene (TCE)	10.0	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	10.0	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	10.0	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	10.0	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	10.0	ND	ND	ND	ND	ND	ND	ND
Vinyl acetate	50.0	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride (Chloroethene)	30.0	ND	ND	ND	ND	ND	ND	ND
o-Xylene	2.00	ND	ND	ND	ND	ND	ND	ND
m- & p-Xylenes	4.00	ND	ND	ND	ND	ND	ND	ND

NOTES:
VOC = Volatile Organic Compound
PQL = Practical Quantitation Limit
ND = Indicated constituents not detected above the PQL
ND<X = Indicated constituents not detected above the PQL of X
µg/kg = micrograms per kilogram

TABLE 5
Soil Matrix Sample Results for VOCs
12922 Panama Street
Los Angeles, California

VOCs in Soil by EPA Method 8260B	Sample ID	B31-2.5	B31-5	B31-10	B37-2.5	B37-5	B38-2.5	B38-5
	Date	5/2/2013	5/2/2013	5/2/2013	5/6/2013	5/6/2013	5/7/2013	5/7/2013
	PQL (ug/kg)	VOC Concentration (ug/kg)						
Acetone	50.0	ND	ND	ND	ND	ND	ND	ND
Benzene	2.00	ND	ND	ND	3.9	ND	6.98	ND
Bromobenzene (Phenyl bromide)	10.0	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane (Chlorobromomethane)	10.0	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane (Dichlorobromomethane)	10.0	ND	ND	ND	ND	ND	ND	ND
Bromoform (Tribromomethane)	50.0	ND	ND	ND	ND	ND	ND	ND
Bromomethane (Methyl bromide)	30.0	ND	ND	ND	ND	ND	ND	ND
2-Butanone (MEK, Methyl ethyl ketone)	50.0	ND	ND	ND	ND	ND	ND	ND
n-Butylbenzene	10.0	ND	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	10.0	ND	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	10.0	ND	ND	ND	ND	ND	ND	ND
Carbon disulfide	10.0	ND	ND	ND	ND	ND	ND	ND
Carbon tetrachloride (Tetrachloromethane)	10.0	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	10.0	ND	ND	ND	ND	ND	ND	ND
Chloroethane	30.0	ND	ND	ND	ND	ND	ND	ND
2-Chloroethyl vinyl ether	50.0	ND	ND	ND	ND	ND	ND	ND
Chloroform (Trichloromethane)	10.0	ND	ND	ND	ND	ND	ND	ND
Chloromethane (Methyl chloride)	30.0	ND	ND	ND	ND	ND	ND	ND
4-Chlorotoluene (p-Chlorotoluene)	10.0	ND	ND	ND	ND	ND	ND	ND
2-Chlorotoluene (o-Chlorotoluene)	10.0	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane (DBCP)	50.0	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	10.0	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane (EDB, Ethylene dibromide)	10.0	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	10.0	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene (o-Dichlorobenzene)	10.0	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene (m-Dichlorobenzene)	10.0	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene (p-Dichlorobenzene)	10.0	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	30.0	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	10.0	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	10.0	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene (1,1-Dichloroethylene)	10.0	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	10.0	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	10.0	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	10.0	ND	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	10.0	ND	ND	ND	ND	ND	ND	ND
2,2-Dichloropropane	10.0	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloropropene	10.0	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	10.0	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	10.0	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	2.00	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene (1,3-Hexachlorobutadiene)	30.0	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	50.0	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	10.0	ND	ND	ND	ND	ND	ND	ND
p-Isopropyltoluene (4-Isopropyltoluene)	10.0	ND	ND	ND	ND	ND	ND	ND
MTBE	5.00	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone (MIBK, Methyl isobutyl ketone)	50.0	ND	ND	ND	ND	ND	ND	ND
Methylene chloride (Dichloromethane, DCM)	50.0	ND	ND	ND	ND	ND	ND	ND
Naphthalene	10.0	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene	10.0	ND	ND	ND	ND	ND	ND	ND
Styrene	10.0	ND	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	10.0	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	10.0	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene (Tetrachloroethylene) (PCE)	10.0	ND	ND	ND	45.5	ND	302	ND
Toluene (Methyl benzene)	2.00	ND	ND	ND	2.04	ND	3.96	ND
1,2,3-Trichlorobenzene	10.0	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	10.0	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	10.0	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	10.0	ND	ND	ND	ND	ND	ND	ND
Trichloroethene (TCE)	10.0	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	10.0	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	10.0	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	10.0	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	10.0	ND	ND	ND	ND	ND	ND	ND
Vinyl acetate	50.0	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride (Chloroethene)	30.0	ND	ND	ND	ND	ND	ND	ND
o-Xylene	2.00	ND	ND	ND	ND	ND	ND	ND
m- & p-Xylenes	4.00	ND	ND	ND	ND	ND	ND	ND

NOTES:
VOC = Volatile Organic Compound
PQL = Practical Quantitation Limit
ND = Indicated constituents not detected above the PQL
ND<X = Indicated constituents not detected above the PQL of X
µg/kg = micrograms per kilogram

TABLE 5
Soil Matrix Sample Results for VOCs
12922 Panama Street
Los Angeles, California

VOCs in Soil by EPA Method 8260B	Sample ID	B39-2.5	B39-5	B40-2.4	B40-5	B43-5	B43-10	B44-5
	Date	6/7/2013	6/7/2013	6/7/2013	6/7/2013	6/6/2013	6/6/2013	6/6/2013
	PQL (µg/kg)	VOC Concentration (µg/kg)						
Acetone	50.0	ND	ND	ND	ND	ND	ND	ND
Benzene	2.00	ND	ND	ND	ND	ND	ND	ND
Bromobenzene (Phenyl bromide)	10.0	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane (Chlorobromomethane)	10.0	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane (Dichlorobromomethane)	10.0	ND	ND	ND	ND	ND	ND	ND
Bromoform (Tribromomethane)	50.0	ND	ND	ND	ND	ND	ND	ND
Bromomethane (Methyl bromide)	30.0	ND	ND	ND	ND	ND	ND	ND
2-Butanone (MEK, Methyl ethyl ketone)	50.0	ND	ND	ND	ND	ND	ND	ND
n-Butylbenzene	10.0	ND	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	10.0	ND	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	10.0	ND	ND	ND	ND	ND	ND	ND
Carbon disulfide	10.0	ND	ND	ND	ND	ND	ND	ND
Carbon tetrachloride (Tetrachloromethane)	10.0	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	10.0	ND	ND	ND	ND	ND	ND	ND
Chloroethane	30.0	ND	ND	ND	ND	ND	ND	ND
2-Chloroethyl vinyl ether	50.0	ND	ND	ND	ND	ND	ND	ND
Chloroform (Trichloromethane)	10.0	ND	ND	ND	ND	ND	ND	ND
Chloromethane (Methyl chloride)	30.0	ND	ND	ND	ND	ND	ND	ND
4-Chlorotoluene (p-Chlorotoluene)	10.0	ND	ND	ND	ND	ND	ND	ND
2-Chlorotoluene (o-Chlorotoluene)	10.0	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane (DBCP)	50.0	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	10.0	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane (EDB, Ethylene dibromide)	10.0	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	10.0	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene (o-Dichlorobenzene)	10.0	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene (m-Dichlorobenzene)	10.0	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene (p-Dichlorobenzene)	10.0	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	30.0	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	10.0	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	10.0	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene (1,1-Dichloroethylene)	10.0	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	10.0	26.9	ND	54	21.4	93.2	30	55.2
trans-1,2-Dichloroethene	10.0	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	10.0	ND	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	10.0	ND	ND	ND	ND	ND	ND	ND
2,2-Dichloropropane	10.0	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloropropene	10.0	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	10.0	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	10.0	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	2.00	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene (1,3-Hexachlorobutadiene)	30.0	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	50.0	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	10.0	ND	ND	ND	ND	ND	ND	ND
p-Isopropyltoluene (4-Isopropyltoluene)	10.0	ND	ND	ND	ND	ND	ND	ND
MTBE	5.00	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone (MIBK, Methyl isobutyl ketone)	50.0	ND	ND	ND	ND	ND	ND	ND
Methylene chloride (Dichloromethane, DCM)	50.0	ND	ND	ND	ND	ND	ND	ND
Naphthalene	10.0	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene	10.0	ND	ND	ND	ND	ND	ND	ND
Styrene	10.0	ND	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	10.0	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	10.0	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene (Tetrachloroethylene) (PCE)	10.0	28.9	ND	ND	ND	ND	ND	ND
Toluene (Methyl benzene)	2.00	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	10.0	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	10.0	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	10.0	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	10.0	ND	ND	ND	ND	ND	ND	ND
Trichloroethene (TCE)	10.0	159	ND	11.4	ND	ND	ND	ND
Trichlorofluoromethane	10.0	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	10.0	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	10.0	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	10.0	ND	ND	ND	ND	ND	ND	ND
Vinyl acetate	50.0	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride (Chloroethene)	30.0	ND	ND	ND	ND	ND	ND	ND
o-Xylene	2.00	ND	ND	ND	ND	ND	ND	ND
m- & p-Xylenes	4.00	ND	ND	ND	ND	ND	ND	ND

NOTES:
VOC = Volatile Organic Compound
PQL = Practical Quantitation Limit
ND = Indicated constituents not detected above the PQL
ND<X = indicated constituents not detected above the PQL of X
µg/kg = micrograms per kilogram

TABLE 5
Soil Matrix Sample Results for VOCs
12922 Panama Street
Los Angeles, California

VOCs in Soil by EPA Method 8260B	Sample ID:	B44-10	B45-2.5	B46-5	B46-2.5	B46-5	B47-2.5	B47-5.0
	Date:	5/6/2013	5/6/2013	5/6/2013	5/6/2013	5/6/2013	5/31/2013	5/31/2013
	PQL (µg/kg)	VOC Concentration (µg/kg)						
Acetone	50.0	ND	ND	ND	ND	ND	ND	ND
Benzene	2.00	ND	4	ND	ND	ND	5.50	ND
Bromobenzene (Phenyl bromide)	10.0	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane (Chlorobromomethane)	10.0	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane (Dichlorobromomethane)	10.0	ND	ND	ND	ND	ND	ND	ND
Bromoform (Tribromomethane)	50.0	ND	ND	ND	ND	ND	ND	ND
Bromomethane (Methyl bromide)	30.0	ND	ND	ND	ND	ND	ND	ND
2-Butanone (MEK, Methyl ethyl ketone)	50.0	ND	ND	ND	ND	ND	ND	ND
n-Butylbenzene	10.0	ND	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	10.0	ND	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	10.0	ND	ND	ND	ND	ND	ND	ND
Carbon disulfide	10.0	ND	ND	ND	ND	ND	ND	ND
Carbon tetrachloride (Tetrachloromethane)	10.0	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	10.0	ND	ND	ND	ND	ND	ND	ND
Chloroethane	30.0	ND	ND	ND	ND	ND	ND	ND
2-Chloroethyl vinyl ether	50.0	ND	ND	ND	ND	ND	ND	ND
Chloroform (Trichloromethane)	10.0	ND	ND	ND	ND	ND	ND	ND
Chloromethane (Methyl chloride)	30.0	ND	ND	ND	ND	ND	ND	ND
4-Chlorotoluene (p-Chlorotoluene)	10.0	ND	ND	ND	ND	ND	ND	ND
2-Chlorotoluene (o-Chlorotoluene)	10.0	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane (DBCP)	50.0	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	10.0	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane (EDB, Ethylene dibromide)	10.0	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	10.0	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene (o-Dichlorobenzene)	10.0	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene (m-Dichlorobenzene)	10.0	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene (p-Dichlorobenzene)	10.0	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	30.0	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	10.0	ND	ND	ND	ND	ND	59.2	ND
1,2-Dichloroethane	10.0	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene (1,1-Dichloroethylene)	10.0	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	10.0	46.2	238	49.7	ND	ND	59.2	ND
trans-1,2-Dichloroethene	10.0	ND	14.5	ND	ND	ND	ND	ND
1,2-Dichloropropane	10.0	ND	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	10.0	ND	ND	ND	ND	ND	ND	ND
2,2-Dichloropropane	10.0	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloropropene	10.0	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	10.0	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	10.0	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	2.00	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene (1,3-Hexachlorobutadiene)	30.0	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	50.0	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	10.0	ND	ND	ND	ND	ND	ND	ND
p-Isopropyltoluene (4-Isopropyltoluene)	10.0	ND	ND	ND	ND	ND	ND	ND
MTBE	5.00	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone (MIBK, Methyl isobutyl ketone)	50.0	ND	ND	ND	ND	ND	ND	ND
Methylene chloride (Dichloromethane, DCM)	50.0	ND	ND	ND	ND	ND	ND	ND
Naphthalene	10.0	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene	10.0	ND	ND	ND	ND	ND	ND	ND
Styrene	10.0	ND	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	10.0	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	10.0	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene (Tetrachloroethylene) (PCE)	10.0	ND	ND	ND	26.5	ND	77.6	ND
Toluene (Methyl benzene)	2.00	ND	2.22	ND	ND	ND	4.08	ND
1,2,3-Trichlorobenzene	10.0	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	10.0	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	10.0	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	10.0	ND	ND	ND	ND	ND	ND	ND
Trichloroethene (TCE)	10.0	ND	123	ND	42.4	ND	330	15.1
Trichlorofluoromethane	10.0	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	10.0	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	10.0	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	10.0	ND	ND	ND	ND	ND	ND	ND
Vinyl acetate	50.0	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride (Chloroethene)	30.0	ND	ND	ND	ND	ND	ND	ND
o-Xylene	2.00	ND	ND	ND	ND	ND	ND	ND
m- & p-Xylenes	4.00	ND	ND	ND	ND	ND	ND	ND

NOTES:
VOC = Volatile Organic Compound
PQL = Practical Quantitation Limit
ND = Indicated constituents not detected above the PQL
ND<X = Indicated constituents not detected above the PQL of X
µg/kg = micrograms per kilogram

TABLE 5
Soil Matrix Sample Results for VOCs
12922 Panama Street
Los Angeles, California

VOCs in Soil by EPA Method 8260B	Sample ID:	B48-2.5	B48-5.0	B48-2.5	B48-5.0	B49-10.0	B50-2.5	B50-5
	Date:	5/31/2013	5/31/2013	5/31/2013	5/31/2013	5/31/2013	6/6/2013	6/6/2013
	PQL (µg/kg)	VOC Concentration (µg/kg)						
Acetone	50.0	ND	ND	ND	ND	ND	ND	ND
Benzene	2.00	ND	ND	4.18	ND	ND	2.84	ND
Bromobenzene (Phenyl bromide)	10.0	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane (Chlorobromomethane)	10.0	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane (Dichlorobromomethane)	10.0	ND	ND	ND	ND	ND	ND	ND
Bromoform (Tribromomethane)	50.0	ND	ND	ND	ND	ND	ND	ND
Bromomethane (Methyl bromide)	30.0	ND	ND	ND	ND	ND	ND	ND
2-Butanone (MEK, Methyl ethyl ketone)	50.0	ND	ND	ND	ND	ND	ND	ND
n-Butylbenzene	10.0	ND	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	10.0	ND	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	10.0	ND	ND	ND	ND	ND	ND	ND
Carbon disulfide	10.0	ND	ND	ND	ND	ND	ND	ND
Carbon tetrachloride (Tetrachloromethane)	10.0	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	10.0	ND	ND	ND	ND	ND	ND	ND
Chloroethane	30.0	ND	ND	ND	ND	ND	ND	ND
2-Chloroethyl vinyl ether	50.0	ND	ND	ND	ND	ND	ND	ND
Chloroform (Trichloromethane)	10.0	ND	ND	ND	ND	ND	ND	ND
Chloromethane (Methyl chloride)	30.0	ND	ND	ND	ND	ND	ND	ND
4-Chlorotoluene (p-Chlorotoluene)	10.0	ND	ND	ND	ND	ND	ND	ND
2-Chlorotoluene (o-Chlorotoluene)	10.0	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane (DBCP)	50.0	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	10.0	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane (EDB, Ethylene dibromide)	10.0	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	10.0	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene (o-Dichlorobenzene)	10.0	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene (m-Dichlorobenzene)	10.0	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene (p-Dichlorobenzene)	10.0	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	30.0	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	10.0	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	10.0	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene (1,1-Dichloroethylene)	10.0	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	10.0	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	10.0	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	10.0	ND	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	10.0	ND	ND	ND	ND	ND	ND	ND
2,2-Dichloropropane	10.0	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloropropene	10.0	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	10.0	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	10.0	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	2.00	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene (1,3-Hexachlorobutadiene)	30.0	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	50.0	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	10.0	ND	ND	ND	ND	ND	ND	ND
p-Isopropyltoluene (4-Isopropyltoluene)	10.0	ND	ND	ND	ND	ND	ND	ND
MTBE	5.00	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone (MIBK, Methyl isobutyl ketone)	50.0	ND	ND	ND	ND	ND	ND	ND
Methylene chloride (Dichloromethane, DCM)	50.0	ND	ND	ND	ND	ND	ND	ND
Naphthalene	10.0	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene	10.0	ND	ND	ND	ND	ND	ND	ND
Styrene	10.0	ND	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	10.0	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	10.0	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene (Tetrachloroethylene) (PCE)	10.0	27.2	22.4	135	47.3	ND	36.1	ND
Toluene (Methyl benzene)	2.00	ND	ND	3.06	ND	ND	2.12	ND
1,2,3-Trichlorobenzene	10.0	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	10.0	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	10.0	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	10.0	ND	ND	ND	ND	ND	ND	ND
Trichloroethene (TCE)	10.0	10	ND	14.1	ND	ND	ND	ND
Trichlorofluoromethane	10.0	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	10.0	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	10.0	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	10.0	ND	ND	ND	ND	ND	ND	ND
Vinyl acetate	50.0	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride (Chloroethene)	30.0	ND	ND	ND	ND	ND	ND	ND
o-Xylene	2.00	ND	ND	ND	ND	ND	ND	ND
m- & p-Xylenes	4.00	ND	ND	ND	ND	ND	ND	ND

NOTES:
VOC = Volatile Organic Compound
PQL = Practical Quantitation Limit
ND = Indicated constituents not detected above the PQL
ND<X = Indicated constituents not detected above the PQL of X
µg/kg = micrograms per kilogram

TABLE 5
Soil Matrix Sample Results for VOCs
12922 Panama Street
Los Angeles, California

VOCs In Soil by EPA Method 8260B	Sample ID	B61-2.5	B61-5	B62-2.5	B62-5	B63-2.5	B63-5	B64-2.5
	Date	6/6/2013	6/6/2013	6/6/2013	6/6/2013	6/6/2013	6/6/2013	5/31/2013
	PQL (µg/kg)	VOC Concentration (µg/kg)						
Acetone	50.0	ND	ND	62	ND	ND	ND	68
Benzene	2.00	2.76	ND	ND	ND	ND	ND	2.78
Bromobenzene (Phenyl bromide)	10.0	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane (Chlorobromomethane)	10.0	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane (Dichlorobromomethane)	10.0	ND	ND	ND	ND	ND	ND	ND
Bromoform (Tribromomethane)	50.0	ND	ND	ND	ND	ND	ND	ND
Bromomethane (Methyl bromide)	30.0	ND	ND	ND	ND	ND	ND	ND
2-Butanone (MEK, Methyl ethyl ketone)	50.0	ND	ND	ND	ND	ND	ND	ND
n-Butylbenzene	10.0	ND	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	10.0	ND	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	10.0	ND	ND	ND	ND	ND	ND	ND
Carbon disulfide	10.0	14.2	ND	ND	ND	ND	ND	ND
Carbon tetrachloride (Tetrachloromethane)	10.0	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	10.0	ND	ND	ND	ND	ND	ND	ND
Chloroethane	30.0	ND	ND	ND	ND	ND	ND	ND
2-Chloroethyl vinyl ether	50.0	ND	ND	ND	ND	ND	ND	ND
Chloroform (Trichloromethane)	10.0	ND	ND	ND	ND	ND	ND	ND
Chloromethane (Methyl chloride)	30.0	ND	ND	ND	ND	ND	ND	ND
4-Chlorotoluene (p-Chlorotoluene)	10.0	ND	ND	ND	ND	ND	ND	ND
2-Chlorotoluene (o-Chlorotoluene)	10.0	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane (DBCP)	50.0	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	10.0	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane (EDB, Ethylene dibromide)	10.0	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	10.0	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene (o-Dichlorobenzene)	10.0	ND	ND	ND	ND	ND	ND	23.1
1,3-Dichlorobenzene (m-Dichlorobenzene)	10.0	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene (p-Dichlorobenzene)	10.0	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	30.0	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	10.0	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	10.0	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene (1,1-Dichloroethylene)	10.0	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	10.0	ND	ND	24.4	ND	132	ND	204
trans-1,2-Dichloroethene	10.0	ND	ND	ND	ND	ND	ND	10.6
1,2-Dichloropropane	10.0	ND	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	10.0	ND	ND	ND	ND	ND	ND	ND
2,2-Dichloropropane	10.0	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloropropene	10.0	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	10.0	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	10.0	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	2.00	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene (1,3-Hexachlorobutadiene)	30.0	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	50.0	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	10.0	ND	ND	ND	ND	ND	ND	ND
p-Isopropyltoluene (4-Isopropyltoluene)	10.0	ND	ND	ND	ND	ND	ND	ND
MTBE	5.00	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone (MIBK, Methyl isobutyl ketone)	50.0	ND	ND	ND	ND	ND	ND	ND
Methylene chloride (Dichloromethane, DCM)	50.0	ND	ND	ND	ND	ND	ND	ND
Naphthalene	10.0	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene	10.0	ND	ND	ND	ND	ND	ND	ND
Styrene	10.0	ND	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	10.0	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	10.0	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene (Tetrachloroethylene) (PCE)	10.0	89.3	ND	ND	ND	ND	ND	107
Toluene (Methyl benzene)	2.00	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	10.0	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	10.0	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	10.0	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	10.0	ND	ND	ND	ND	ND	ND	ND
Trichloroethene (TCE)	10.0	21.4	ND	ND	ND	ND	ND	107
Trichlorofluoromethane	10.0	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	10.0	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	10.0	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	10.0	ND	ND	ND	ND	ND	ND	ND
Vinyl acetate	50.0	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride (Chloroethene)	30.0	ND	ND	ND	ND	ND	ND	ND
o-Xylene	2.00	ND	ND	ND	ND	ND	ND	2.24
m- & p-Xylenes	4.00	ND	ND	ND	ND	ND	ND	ND

NOTES:
VOC = Volatile Organic Compound
PQL = Practical Quantitation Limit
ND = Indicated constituents not detected above the PQL
ND<X = Indicated constituents not detected above the PQL of X
µg/kg = micrograms per kilogram

TABLE 5
Soil Matrix Sample Results for VOCs
12922 Panama Street
Los Angeles, California

VOCs In Soil by EPA Method 8260B	Sample ID	B54-6.0	B55-2.5	B55-5	B56-2.5	B56-6.0	B57-2.5	B57-5
	Date	5/31/2013	5/6/2013	5/6/2013	5/31/2013	5/31/2013	6/7/2013	6/7/2013
	PQL (µg/kg)	VOC Concentration (µg/kg)						
Acetone	50.0	ND	ND	ND	66.8	ND	ND	ND
Benzene	2.00	ND	ND	ND	ND	ND	ND	ND
Bromobenzene (Phenyl bromide)	10.0	12.9	ND	ND	ND	ND	ND	ND
Bromochloromethane (Chlorobromomethane)	10.0	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane (Dichlorobromomethane)	10.0	ND	ND	ND	ND	ND	ND	ND
Bromoform (Tribromomethane)	50.0	ND	ND	ND	ND	ND	ND	ND
Bromomethane (Methyl bromide)	30.0	ND	ND	ND	ND	ND	ND	ND
2-Butanone (MEK, Methyl ethyl ketone)	50.0	ND	ND	ND	ND	ND	ND	ND
n-Butylbenzene	10.0	ND	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	10.0	ND	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	10.0	ND	ND	ND	ND	ND	ND	ND
Carbon disulfide	10.0	ND	ND	ND	ND	ND	ND	ND
Carbon tetrachloride (Tetrachloromethane)	10.0	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	10.0	ND	ND	ND	ND	ND	ND	ND
Chloroethane	30.0	ND	ND	ND	ND	ND	ND	ND
2-Chloroethyl vinyl ether	50.0	ND	ND	ND	ND	ND	ND	ND
Chloroform (Trichloromethane)	10.0	ND	ND	ND	ND	ND	ND	ND
Chloromethane (Methyl chloride)	30.0	ND	ND	ND	ND	ND	ND	ND
4-Chlorotoluene (p-Chlorotoluene)	10.0	ND	ND	ND	ND	ND	ND	ND
2-Chlorotoluene (o-Chlorotoluene)	10.0	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane (DBCP)	50.0	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	10.0	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane (EDB, Ethylene dibromide)	10.0	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	10.0	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene (o-Dichlorobenzene)	10.0	10	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene (m-Dichlorobenzene)	10.0	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene (p-Dichlorobenzene)	10.0	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	30.0	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	10.0	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	10.0	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene (1,1-Dichloroethylene)	10.0	12.9	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	10.0	ND	3060	210	ND	ND	ND	ND
trans-1,2-Dichloroethene	10.0	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	10.0	ND	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	10.0	ND	ND	ND	ND	ND	ND	ND
2,2-Dichloropropane	10.0	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloropropene	10.0	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	10.0	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	10.0	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	2.00	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene (1,3-Hexachlorobutadiene)	30.0	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	50.0	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	10.0	ND	ND	ND	ND	ND	ND	ND
p-Isopropyltoluene (4-Isopropyltoluene)	10.0	ND	ND	ND	ND	ND	ND	ND
MTBE	5.00	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone (MIBK, Methyl isobutyl ketone)	50.0	ND	ND	ND	ND	ND	ND	ND
Methylene chloride (Dichloromethane, DCM)	50.0	ND	ND	ND	ND	ND	ND	ND
Naphthalene	10.0	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene	10.0	ND	ND	ND	ND	ND	ND	ND
Styrene	10.0	ND	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	10.0	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	10.0	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene (Tetrachloroethylene) (PCE)	10.0	ND	ND	ND	21.7	ND	12.3	ND
Toluene (Methyl benzene)	2.00	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	10.0	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	10.0	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	10.0	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	10.0	ND	ND	ND	ND	ND	ND	ND
Trichloroethene (TCE)	10.0	ND	ND	ND	53.1	ND	ND	ND
Trichlorofluoromethane	10.0	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	10.0	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	10.0	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	10.0	ND	ND	ND	ND	ND	ND	ND
Vinyl acetate	50.0	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride (Chloroethene)	30.0	ND	ND	ND	ND	ND	ND	ND
o-Xylene	2.00	ND	ND	ND	ND	ND	ND	ND
m- & p-Xylenes	4.00	ND	ND	ND	ND	ND	ND	ND

NOTES:
VOC = Volatile Organic Compound
PQL = Practical Quantitation Limit
ND = Indicated constituents not detected above the PQL
ND<X = Indicated constituents not detected above the PQL of X
µg/kg = micrograms per kilogram

TABLE 5
Soil Matrix Sample Results for VOCs
12922 Panama Street
Los Angeles, California

VOCs in Soil by EPA Method 8260B	Sample ID:	B58-2.5	B58-5	B61-2.5	B61-5.0	B62-2.5	B62-5.0	B63-2.5
	Date:	6/7/2013	6/7/2013	5/31/2013	5/31/2013	5/31/2013	5/31/2013	6/7/2013
	PQL (µg/kg)	VOC Concentration (µg/kg)						
Acetone	50.0	ND	ND	ND	ND	ND	ND	ND
Benzene	2.00	ND	ND	ND	ND	2.54	ND	ND
Bromobenzene (Phenyl bromide)	10.0	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane (Chlorobromomethane)	10.0	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane (Dichlorobromomethane)	10.0	ND	ND	ND	ND	ND	ND	ND
Bromoform (Tribromomethane)	50.0	ND	ND	ND	ND	ND	ND	ND
Bromomethane (Methyl bromide)	30.0	ND	ND	ND	ND	ND	ND	ND
2-Butanone (MEK, Methyl ethyl ketone)	50.0	ND	ND	ND	ND	ND	ND	ND
n-Butylbenzene	10.0	ND	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	10.0	ND	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	10.0	ND	ND	ND	ND	ND	ND	ND
Carbon disulfide	10.0	ND	ND	ND	ND	ND	ND	ND
Carbon tetrachloride (Tetrachloromethane)	10.0	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	10.0	ND	ND	ND	ND	ND	ND	ND
Chloroethane	30.0	ND	ND	ND	ND	ND	ND	ND
2-Chloroethyl vinyl ether	50.0	ND	ND	ND	ND	ND	ND	ND
Chloroform (Trichloromethane)	10.0	ND	ND	ND	ND	ND	ND	ND
Chloromethane (Methyl chloride)	30.0	ND	ND	ND	ND	ND	ND	ND
4-Chlorotoluene (p-Chlorotoluene)	10.0	ND	ND	ND	ND	ND	ND	ND
2-Chlorotoluene (o-Chlorotoluene)	10.0	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane (DBCP)	50.0	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	10.0	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane (EDB, Ethylene dibromide)	10.0	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	10.0	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene (o-Dichlorobenzene)	10.0	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene (m-Dichlorobenzene)	10.0	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene (p-Dichlorobenzene)	10.0	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	30.0	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	10.0	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	10.0	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene (1,1-Dichloroethylene)	10.0	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	10.0	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	10.0	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	10.0	ND	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	10.0	ND	ND	ND	ND	ND	ND	ND
2,2-Dichloropropane	10.0	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloropropene	10.0	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	10.0	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	10.0	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	2.00	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene (1,3-Hexachlorobutadiene)	30.0	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	50.0	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	10.0	ND	ND	ND	ND	ND	ND	ND
p-Isopropyltoluene (4-Isopropyltoluene)	10.0	ND	ND	ND	ND	ND	ND	ND
MTBE	5.00	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone (MIBK, Methyl isobutyl ketone)	50.0	ND	ND	ND	ND	ND	ND	ND
Methylene chloride (Dichloromethane, DCM)	50.0	ND	ND	ND	ND	ND	ND	ND
Naphthalene	10.0	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene	10.0	ND	ND	ND	ND	ND	ND	ND
Styrene	10.0	ND	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	10.0	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	10.0	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene (Tetrachloroethylene) (PCE)	10.0	42.6	12.3	33.9	34	71.8	13.3	ND
Toluene (Methyl benzene)	2.00	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	10.0	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	10.0	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	10.0	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	10.0	ND	ND	ND	ND	ND	ND	ND
Trichloroethene (TCE)	10.0	ND	ND	ND	ND	22	ND	ND
Trichlorofluoromethane	10.0	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	10.0	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	10.0	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	10.0	ND	ND	ND	ND	ND	ND	ND
Vinyl acetate	50.0	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride (Chloroethene)	30.0	ND	ND	ND	ND	ND	ND	ND
o-Xylene	2.00	ND	ND	ND	ND	ND	ND	ND
m- & p-Xylenes	4.00	ND	ND	ND	ND	ND	ND	ND

NOTES:
VOC = Volatile Organic Compound
PQL = Practical Quantitation Limit
ND = Indicated constituents not detected above the PQL
ND<X = Indicated constituents not detected above the PQL of X
µg/kg = micrograms per kilogram

TABLE 5
Soil Matrix Sample Results for VOCs
12922 Panama Street
Los Angeles, California

VOCs in Soil by EPA Method 8260B	Sample ID	B63-5	B65-2.5	B65-5	B65-10	B71-2.5	B64-2.5	B64-5
	Date	6/7/2013	6/28/2013	6/28/2013	6/28/2013	6/28/2013	6/28/2013	6/28/2013
	PQL (µg/kg)	VOC Concentration (µg/kg)						
Acetone	50.0	ND	ND	ND	ND	69.6	ND	ND
Benzene	2.00	ND	ND	ND	ND	ND	ND	ND
Bromobenzene (Phenyl bromide)	10.0	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane (Chlorobromomethane)	10.0	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane (Dichlorobromomethane)	10.0	ND	ND	ND	ND	ND	ND	ND
Bromoform (Tribromomethane)	50.0	ND	ND	ND	ND	ND	ND	ND
Bromomethane (Methyl bromide)	30.0	ND	ND	ND	ND	ND	ND	ND
2-Butanone (MEK, Methyl ethyl ketone)	50.0	ND	ND	ND	ND	ND	ND	ND
n-Butylbenzene	10.0	ND	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	10.0	ND	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	10.0	ND	ND	ND	ND	ND	ND	ND
Carbon disulfide	10.0	ND	ND	ND	ND	ND	ND	ND
Carbon tetrachloride (Tetrachloromethane)	10.0	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	10.0	ND	ND	ND	ND	ND	ND	ND
Chloroethane	30.0	ND	ND	ND	ND	ND	ND	ND
2-Chloroethyl vinyl ether	50.0	ND	ND	ND	ND	ND	ND	ND
Chloroform (Trichloromethane)	10.0	ND	ND	ND	ND	ND	ND	ND
Chloromethane (Methyl chloride)	30.0	ND	ND	ND	ND	ND	ND	ND
4-Chlorotoluene (p-Chlorotoluene)	10.0	ND	ND	ND	ND	ND	ND	ND
2-Chlorotoluene (o-Chlorotoluene)	10.0	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane (DBCP)	50.0	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	10.0	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane (EDB, Ethylene dibromide)	10.0	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	10.0	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene (o-Dichlorobenzene)	10.0	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene (m-Dichlorobenzene)	10.0	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene (p-Dichlorobenzene)	10.0	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	30.0	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	10.0	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	10.0	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene (1,1-Dichloroethylene)	10.0	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	10.0	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	10.0	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	10.0	ND	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	10.0	ND	ND	ND	ND	ND	ND	ND
2,2-Dichloropropane	10.0	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloropropene	10.0	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	10.0	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	10.0	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	2.00	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene (1,3-Hexachlorobutadiene)	30.0	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	50.0	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	10.0	ND	ND	ND	ND	ND	ND	ND
p-Isopropyltoluene (4-Isopropyltoluene)	10.0	ND	ND	ND	ND	ND	ND	ND
MTBE	5.00	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone (MIBK, Methyl isobutyl ketone)	50.0	ND	ND	ND	ND	ND	ND	ND
Methylene chloride (Dichloromethane, DCM)	50.0	ND	ND	ND	ND	ND	ND	ND
Naphthalene	10.0	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene	10.0	ND	ND	ND	ND	ND	ND	ND
Styrene	10.0	ND	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	10.0	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	10.0	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene (Tetrachloroethylene) (PCE)	10.0	ND	ND	ND	ND	125	ND	ND
Toluene (Methyl benzene)	2.00	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	10.0	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	10.0	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	10.0	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	10.0	ND	ND	ND	ND	ND	ND	ND
Trichloroethene (TCE)	10.0	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	10.0	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	10.0	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	10.0	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	10.0	ND	ND	ND	ND	ND	ND	ND
Vinyl acetate	50.0	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride (Chloroethene)	30.0	ND	ND	ND	ND	ND	ND	ND
o-Xylene	2.00	ND	ND	ND	ND	ND	ND	ND
m- & p-Xylenes	4.00	ND	ND	ND	ND	ND	ND	ND

NOTES:
VOC = Volatile Organic Compound
PQL = Practical Quantitation Limit
ND = Indicated constituents not detected above the PQL
ND<X = Indicated constituents not detected above the PQL of X
µg/kg = micrograms per kilogram

TABLE 5
Soil Matrix Sample Results for VOCs
12922 Panama Street
Los Angeles, California

VOCs in Soil by EPA Method 8260B	Sample ID:	B64-10	B66-2.5	B66-5	B66-10	B67-2.5	B67-5	B67-10
	Date	6/28/2013	6/28/2013	6/28/2013	6/28/2013	6/28/2013	6/28/2013	6/28/2013
	PQL (µg/kg)	VOC Concentration (µg/kg)						
Acetone	50.0	ND	ND	ND	ND	67	ND	ND
Benzene	2.00	ND	ND	ND	ND	2.36	ND	ND
Bromobenzene (Phenyl bromide)	10.0	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane (Chlorobromomethane)	10.0	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane (Dichlorobromomethane)	10.0	ND	ND	ND	ND	ND	ND	ND
Bromoform (Tribromomethane)	50.0	ND	ND	ND	ND	ND	ND	ND
Bromomethane (Methyl bromide)	30.0	ND	ND	ND	ND	ND	ND	ND
2-Butanone (MEK, Methyl ethyl ketone)	50.0	ND	ND	ND	ND	ND	ND	ND
n-Butylbenzene	10.0	ND	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	10.0	ND	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	10.0	ND	ND	ND	ND	ND	ND	ND
Carbon disulfide	10.0	ND	ND	ND	ND	23.2	ND	ND
Carbon tetrachloride (Tetrachloromethane)	10.0	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	10.0	ND	ND	ND	ND	ND	ND	ND
Chloroethane	30.0	ND	ND	ND	ND	ND	ND	ND
2-Chloroethyl vinyl ether	50.0	ND	ND	ND	ND	ND	ND	ND
Chloroform (Trichloromethane)	10.0	ND	ND	ND	ND	ND	ND	ND
Chloromethane (Methyl chloride)	30.0	ND	ND	ND	ND	ND	ND	ND
4-Chlorotoluene (p-Chlorotoluene)	10.0	ND	ND	ND	ND	ND	ND	ND
2-Chlorotoluene (o-Chlorotoluene)	10.0	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane (DBCP)	50.0	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	10.0	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane (EDB, Ethylene dibromide)	10.0	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	10.0	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene (o-Dichlorobenzene)	10.0	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene (m-Dichlorobenzene)	10.0	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene (p-Dichlorobenzene)	10.0	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	30.0	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	10.0	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	10.0	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene (1,1-Dichloroethylene)	10.0	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	10.0	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	10.0	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	10.0	ND	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	10.0	ND	ND	ND	ND	ND	ND	ND
2,2-Dichloropropane	10.0	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloropropene	10.0	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	10.0	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	10.0	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	2.00	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene (1,3-Hexachlorobutadiene)	30.0	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	50.0	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	10.0	ND	ND	ND	ND	ND	ND	ND
p-Isopropyltoluene (4-Isopropyltoluene)	10.0	ND	ND	ND	ND	ND	ND	ND
MTBE	5.00	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone (MIBK, Methyl isobutyl ketone)	50.0	ND	ND	ND	ND	ND	ND	ND
Methylene chloride (Dichloromethane, DCM)	50.0	ND	ND	ND	ND	ND	ND	ND
Naphthalene	10.0	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene	10.0	ND	ND	ND	ND	ND	ND	ND
Styrene	10.0	ND	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	10.0	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	10.0	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene (Tetrachloroethylene) (PCE)	10.0	ND	ND	ND	ND	62.0	ND	ND
Toluene (Methyl benzene)	2.00	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	10.0	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	10.0	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	10.0	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	10.0	ND	ND	ND	ND	ND	ND	ND
Trichloroethene (TCE)	10.0	ND	ND	ND	ND	56.0	ND	ND
Trichlorofluoromethane	10.0	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	10.0	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	10.0	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	10.0	ND	ND	ND	ND	ND	ND	ND
Vinyl acetate	50.0	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride (Chloroethene)	30.0	ND	ND	ND	ND	ND	ND	ND
o-Xylene	2.00	ND	ND	ND	ND	ND	ND	ND
m- & p-Xylenes	4.00	ND	ND	ND	ND	ND	ND	ND

NOTES:
VOC = Volatile Organic Compound
PQL = Practical Quantitation Limit
ND = Indicated constituents not detected above the PQL
ND<X = Indicated constituents not detected above the PQL of X
µg/kg = micrograms per kilogram

TABLE 5
Soil Matrix Sample Results for VOCs
12922 Panama Street
Los Angeles, California

VOCs in Soil by EPA Method 8260B	Sample ID	B68-2.5	B68-5	B69-2.5	B69-5	B69-10	B70-2.5	B70-5
	Date	6/28/2013	6/28/2013	6/28/2013	6/28/2013	6/28/2013	6/28/2013	6/28/2013
	PQL (ug/kg)	VOC Concentration (ug/kg)						
Acetone	50.0	50.4	ND	74	ND	ND	71.8	ND
Benzene	2.00	ND	ND	6.06	ND	ND	3.28	ND
Bromobenzene (Phenyl bromide)	10.0	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane (Chlorobromomethane)	10.0	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane (Dichlorobromomethane)	10.0	ND	ND	ND	ND	ND	ND	ND
Bromoform (Tribromomethane)	50.0	ND	ND	ND	ND	ND	ND	ND
Bromomethane (Methyl bromide)	30.0	ND	ND	ND	ND	ND	ND	ND
2-Butanone (MEK, Methyl ethyl ketone)	50.0	ND	ND	ND	ND	ND	ND	ND
n-Butylbenzene	10.0	ND	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	10.0	ND	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	10.0	ND	ND	ND	ND	ND	ND	ND
Carbon disulfide	10.0	ND	ND	ND	ND	ND	ND	ND
Carbon tetrachloride (Tetrachloromethane)	10.0	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	10.0	ND	ND	ND	ND	ND	ND	ND
Chloroethane	30.0	ND	ND	ND	ND	ND	ND	ND
2-Chloroethyl vinyl ether	50.0	ND	ND	ND	ND	ND	ND	ND
Chloroform (Trichloromethane)	10.0	ND	ND	ND	ND	ND	ND	ND
Chloromethane (Methyl chloride)	30.0	ND	ND	ND	ND	ND	ND	ND
4-Chlorotoluene (p-Chlorotoluene)	10.0	ND	ND	ND	ND	ND	ND	ND
2-Chlorotoluene (o-Chlorotoluene)	10.0	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane (DBCP)	50.0	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	10.0	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane (EDB, Ethylene dibromide)	10.0	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	10.0	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene (o-Dichlorobenzene)	10.0	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene (m-Dichlorobenzene)	10.0	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene (p-Dichlorobenzene)	10.0	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	30.0	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	10.0	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	10.0	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene (1,1-Dichloroethylene)	10.0	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	10.0	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	10.0	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	10.0	ND	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	10.0	ND	ND	ND	ND	ND	ND	ND
2,2-Dichloropropane	10.0	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloropropene	10.0	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	10.0	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	10.0	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	2.00	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene (1,3-Hexachlorobutadiene)	30.0	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	50.0	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	10.0	ND	ND	ND	ND	ND	ND	ND
p-Isopropyltoluene (4-Isopropyltoluene)	10.0	ND	ND	ND	ND	ND	ND	ND
MTBE	5.00	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone (MIBK, Methyl isobutyl ketone)	50.0	ND	ND	ND	ND	ND	ND	ND
Methylene chloride (Dichloromethane, DCM)	50.0	ND	ND	ND	ND	ND	ND	ND
Naphthalene	10.0	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene	10.0	ND	ND	ND	ND	ND	ND	ND
Styrene	10.0	ND	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	10.0	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	10.0	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene (Tetrachloroethylene) (PCE)	10.0	11.5	ND	102	ND	24.7	286	ND
Toluene (Methyl benzene)	2.00	ND	ND	3.1	ND	ND	ND	ND
1,2,3-Trichlorobenzene	10.0	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	10.0	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	10.0	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	10.0	ND	ND	ND	ND	ND	ND	ND
Trichloroethene (TCE)	10.0	ND	ND	ND	ND	ND	16	ND
Trichlorofluoromethane	10.0	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	10.0	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	10.0	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	10.0	ND	ND	ND	ND	ND	ND	ND
Vinyl acetate	50.0	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride (Chloroethene)	30.0	ND	ND	ND	ND	ND	ND	ND
o-Xylene	2.00	ND	ND	ND	ND	ND	ND	ND
m- & p-Xylenes	4.00	ND	ND	ND	ND	ND	ND	ND

NOTES:
VOC = Volatile Organic Compound
PQL = Practical Quantitation Limit
ND = Indicated constituents not detected above the PQL
ND<X = Indicated constituents not detected above the PQL of X
µg/kg = micrograms per kilogram

TABLE 5
Soil Matrix Sample Results for VOCs
12922 Panama Street
Los Angeles, California

VOCs in Soil by EPA Method 8260B	Sample ID:	B70-10	B71-5	B71-10	B72-2.5	B72-5	B72-10	B73-2.5
	Date:	6/28/2013	6/28/2013	6/28/2013	6/28/2013	6/28/2013	6/28/2013	6/28/2013
	PQL (µg/kg)	VOC Concentration (µg/kg)						
Acetone	50.0	ND	ND	ND	70	61.4	ND	ND
Benzene	2.00	ND	ND	ND	5.18	ND	ND	8.52
Bromobenzene (Phenyl bromide)	10.0	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane (Chlorobromomethane)	10.0	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane (Dichlorobromomethane)	10.0	ND	ND	ND	ND	ND	ND	ND
Bromoform (Tribromomethane)	50.0	ND	ND	ND	ND	ND	ND	ND
Bromomethane (Methyl bromide)	30.0	ND	ND	ND	ND	ND	ND	ND
2-Butanone (MEK, Methyl ethyl ketone)	50.0	ND	ND	ND	ND	ND	ND	ND
n-Butylbenzene	10.0	ND	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	10.0	ND	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	10.0	ND	ND	ND	ND	ND	ND	ND
Carbon disulfide	10.0	ND	ND	ND	ND	ND	ND	ND
Carbon tetrachloride (Tetrachloromethane)	10.0	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	10.0	ND	ND	ND	ND	ND	ND	ND
Chloroethane	30.0	ND	ND	ND	ND	ND	ND	ND
2-Chloroethyl vinyl ether	50.0	ND	ND	ND	ND	ND	ND	ND
Chloroform (Trichloromethane)	10.0	ND	ND	ND	ND	ND	ND	ND
Chloromethane (Methyl chloride)	30.0	ND	ND	ND	ND	ND	ND	ND
4-Chlorotoluene (p-Chlorotoluene)	10.0	ND	ND	ND	ND	ND	ND	ND
2-Chlorotoluene (o-Chlorotoluene)	10.0	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane (DBCP)	50.0	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	10.0	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane (EDB, Ethylene dibromide)	10.0	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	10.0	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene (o-Dichlorobenzene)	10.0	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene (m-Dichlorobenzene)	10.0	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene (p-Dichlorobenzene)	10.0	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	30.0	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	10.0	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	10.0	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene (1,1-Dichloroethylene)	10.0	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	10.0	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	10.0	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	10.0	ND	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	10.0	ND	ND	ND	ND	ND	ND	ND
2,2-Dichloropropane	10.0	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloropropene	10.0	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	10.0	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	10.0	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	2.00	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene (1,3-Hexachlorobutadiene)	30.0	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	50.0	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	10.0	ND	ND	ND	ND	ND	ND	ND
p-Isopropyltoluene (4-Isopropyltoluene)	10.0	ND	ND	ND	ND	ND	ND	ND
MTBE	5.00	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone (MIBK, Methyl isobutyl ketone)	50.0	ND	ND	ND	ND	ND	ND	ND
Methylene chloride (Dichloromethane, DCM)	50.0	ND	ND	ND	ND	ND	ND	ND
Naphthalene	10.0	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene	10.0	ND	ND	ND	ND	ND	ND	ND
Styrene	10.0	ND	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	10.0	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	10.0	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene (Tetrachloroethylene) (PCE)	10.0	ND	32.0	75.4	400	18.7	31.2	210
Toluene (Methyl benzene)	2.00	ND	ND	ND	2.48	ND	ND	4.04
1,2,3-Trichlorobenzene	10.0	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	10.0	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	10.0	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	10.0	ND	ND	ND	ND	ND	ND	ND
Trichloroethene (TCE)	10.0	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	10.0	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	10.0	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	10.0	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	10.0	ND	ND	ND	ND	ND	ND	ND
Vinyl acetate	50.0	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride (Chloroethene)	30.0	ND	ND	ND	ND	ND	ND	ND
o-Xylene	2.00	ND	ND	ND	ND	ND	ND	ND
m- & p-Xylenes	4.00	ND	ND	ND	ND	ND	ND	ND

NOTES:
VOC = Volatile Organic Compound
PQL = Practical Quantitation Limit
ND = Indicated constituents not detected above the PQL
ND<X = Indicated constituents not detected above the PQL of X
µg/kg = micrograms per kilogram

TABLE 5
Soil Matrix Sample Results for VOCs
12922 Panama Street
Los Angeles, California

VOCs in Soil by EPA Method 8260B	Sample ID:	B73-5	B73-10	VA1-10	VA1-15	VA1-20	GW1-2.5	GW1-5
	Date:	6/28/2013	6/28/2013	6/7/2013	6/7/2013	6/7/2013	6/4/2013	6/4/2013
	PQL (µg/kg)	VOC Concentration (µg/kg)						
Acetone	50.0	ND	ND	ND	ND	ND	109.00	ND
Benzene	2.00	ND	ND	ND	ND	ND	3.24	ND
Bromobenzene (Phenyl bromide)	10.0	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane (Chlorobromomethane)	10.0	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane (Dichlorobromomethane)	10.0	ND	ND	ND	ND	ND	ND	ND
Bromoform (Tribromomethane)	50.0	ND	ND	ND	ND	ND	ND	ND
Bromomethane (Methyl bromide)	30.0	ND	ND	ND	ND	ND	ND	ND
2-Butanone (MEK, Methyl ethyl ketone)	50.0	ND	ND	ND	ND	ND	ND	ND
n-Butylbenzene	10.0	ND	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	10.0	ND	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	10.0	ND	ND	ND	ND	ND	ND	ND
Carbon disulfide	10.0	ND	ND	ND	ND	ND	ND	ND
Carbon tetrachloride (Tetrachloromethane)	10.0	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	10.0	ND	ND	ND	ND	ND	ND	ND
Chloroethane	30.0	ND	ND	ND	ND	ND	ND	ND
2-Chloroethyl vinyl ether	50.0	ND	ND	ND	ND	ND	ND	ND
Chloroform (Trichloromethane)	10.0	ND	ND	ND	ND	ND	ND	ND
Chloromethane (Methyl chloride)	30.0	ND	ND	ND	ND	ND	ND	ND
4-Chlorotoluene (p-Chlorotoluene)	10.0	ND	ND	ND	ND	ND	ND	ND
2-Chlorotoluene (o-Chlorotoluene)	10.0	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane (DBCP)	50.0	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	10.0	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane (EDB, Ethylene dibromide)	10.0	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	10.0	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene (o-Dichlorobenzene)	10.0	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene (m-Dichlorobenzene)	10.0	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene (p-Dichlorobenzene)	10.0	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	30.0	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	10.0	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	10.0	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene (1,1-Dichloroethylene)	10.0	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	10.0	ND	ND	11.1	ND	ND	120	10.5
trans-1,2-Dichloroethene	10.0	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	10.0	ND	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	10.0	ND	ND	ND	ND	ND	ND	ND
2,2-Dichloropropane	10.0	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloropropene	10.0	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	10.0	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	10.0	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	2.00	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene (1,3-Hexachlorobutadiene)	30.0	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	50.0	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	10.0	ND	ND	ND	ND	ND	ND	ND
p-Isopropyltoluene (4-Isopropyltoluene)	10.0	ND	ND	ND	ND	ND	ND	ND
MTBE	5.00	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone (MIBK, Methyl isobutyl ketone)	50.0	ND	ND	ND	ND	ND	ND	ND
Methylene chloride (Dichloromethane, DCM)	50.0	ND	ND	ND	ND	ND	ND	ND
Naphthalene	10.0	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene	10.0	ND	ND	ND	ND	ND	ND	ND
Styrene	10.0	ND	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	10.0	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	10.0	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene (Tetrachloroethylene) (PCE)	10.0	ND	29.6	45.7	ND	ND	31.4	ND
Toluene (Methyl benzene)	2.00	ND	ND	ND	ND	ND	2.28	ND
1,2,3-Trichlorobenzene	10.0	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	10.0	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	10.0	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	10.0	ND	ND	ND	ND	ND	ND	ND
Trichloroethene (TCE)	10.0	ND	ND	ND	ND	ND	31.6	ND
Trichlorofluoromethane	10.0	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	10.0	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	10.0	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	10.0	ND	ND	ND	ND	ND	ND	ND
Vinyl acetate	50.0	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride (Chloroethene)	30.0	ND	ND	ND	ND	ND	ND	ND
o-Xylene	2.00	ND	ND	ND	ND	ND	ND	ND
m- & p-Xylenes	4.00	ND	ND	ND	ND	ND	ND	ND

NOTES:
VOC = Volatile Organic Compound
PQL = Practical Quantitation Limit
ND = Indicated constituents not detected above the PQL
ND<X = Indicated constituents not detected above the PQL of X
µg/kg = micrograms per kilogram

TABLE 5
Soil Matrix Sample Results for VOCs
12922 Panama Street
Los Angeles, California

VOCs in Soil by EPA Method 8260B	Sample ID:	GW1-10	GW1-14	GW2-2.5	GW2-5	GW2-10	GW2-15	GW3-2.5
	Date:	6/4/2013	6/4/2013	6/4/2013	6/5/2013	6/5/2013	6/5/2013	6/4/2013
	PQL (ug/kg)	VOC Concentration (ug/kg)						
Acetone	50.0	ND	ND	ND	ND	ND	ND	ND
Benzene	2.00	ND	ND	ND	ND	ND	ND	ND
Bromobenzene (Phenyl bromide)	10.0	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane (Chlorobromomethane)	10.0	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane (Dichlorobromomethane)	10.0	ND	ND	ND	ND	ND	ND	ND
Bromoform (Tribromomethane)	50.0	ND	ND	ND	ND	ND	ND	ND
Bromomethane (Methyl bromide)	30.0	ND	ND	ND	ND	ND	ND	ND
2-Butanone (MEK, Methyl ethyl ketone)	50.0	ND	ND	ND	ND	ND	ND	ND
n-Butylbenzene	10.0	ND	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	10.0	ND	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	10.0	ND	ND	ND	ND	ND	ND	ND
Carbon disulfide	10.0	ND	ND	ND	ND	ND	ND	ND
Carbon tetrachloride (Tetrachloromethane)	10.0	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	10.0	ND	ND	ND	ND	ND	ND	ND
Chloroethane	30.0	ND	ND	ND	ND	ND	ND	ND
2-Chloroethyl vinyl ether	50.0	ND	ND	ND	ND	ND	ND	ND
Chloroform (Trichloromethane)	10.0	ND	ND	ND	ND	ND	ND	ND
Chloromethane (Methyl chloride)	30.0	ND	ND	ND	ND	ND	ND	ND
4-Chlorotoluene (p-Chlorotoluene)	10.0	ND	ND	ND	ND	ND	ND	ND
2-Chlorotoluene (o-Chlorotoluene)	10.0	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane (DBCP)	50.0	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	10.0	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane (EDB, Ethylene dibromide)	10.0	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	10.0	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene (o-Dichlorobenzene)	10.0	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene (m-Dichlorobenzene)	10.0	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene (p-Dichlorobenzene)	10.0	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	30.0	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	10.0	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	10.0	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene (1,1-Dichloroethylene)	10.0	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	10.0	ND	12.9	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	10.0	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	10.0	ND	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	10.0	ND	ND	ND	ND	ND	ND	ND
2,2-Dichloropropane	10.0	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloropropene	10.0	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	10.0	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	10.0	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	2.00	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene (1,3-Hexachlorobutadiene)	30.0	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	50.0	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	10.0	ND	ND	ND	ND	ND	ND	ND
p-Isopropyltoluene (4-Isopropyltoluene)	10.0	ND	ND	ND	ND	ND	ND	ND
MTBE	5.00	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone (MIBK, Methyl isobutyl ketone)	50.0	ND	ND	ND	ND	ND	ND	ND
Methylene chloride (Dichloromethane, DCM)	50.0	ND	ND	ND	ND	ND	ND	ND
Naphthalene	10.0	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene	10.0	ND	ND	ND	ND	ND	ND	ND
Styrene	10.0	ND	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	10.0	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	10.0	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene (Tetrachloroethylene) (PCE)	10.0	ND	ND	ND	ND	ND	ND	ND
Toluene (Methyl benzene)	2.00	ND	ND	ND	ND	ND	ND	2,960
1,2,3-Trichlorobenzene	10.0	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	10.0	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	10.0	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	10.0	ND	ND	ND	ND	ND	ND	ND
Trichloroethene (TCE)	10.0	ND	ND	ND	ND	ND	ND	56.0
Trichlorofluoromethane	10.0	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	10.0	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	10.0	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	10.0	ND	ND	ND	ND	ND	ND	ND
Vinyl acetate	50.0	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride (Chloroethene)	30.0	ND	ND	ND	ND	ND	ND	ND
o-Xylene	2.00	ND	ND	ND	ND	ND	ND	ND
m- & p-Xylenes	4.00	ND	ND	ND	ND	ND	ND	ND

NOTES:
VOC = Volatile Organic Compound
PQL = Practical Quantitation Limit
ND = Indicated constituents not detected above the PQL
ND<X = Indicated constituents not detected above the PQL of X
µg/kg = micrograms per kilogram

TABLE 5
Soil Matrix Sample Results for VOCs
12922 Panama Street
Los Angeles, California

VOCs in Soil by EPA Method 8260B	Sample ID:	GW3-5	GW3-10	GW3-15
	Date:	6/4/2013	6/4/2013	6/4/2013
	PQL (µg/kg)	VOC Concentration (µg/kg)		
Acetone	50.0	ND	ND	ND
Benzene	2.00	ND	ND	ND
Bromobenzene (Phenyl bromide)	10.0	ND	ND	ND
Bromochloromethane (Chlorobromomethane)	10.0	ND	ND	ND
Bromodichloromethane (Dichlorobromomethane)	10.0	ND	ND	ND
Bromoform (Tribromomethane)	50.0	ND	ND	ND
Bromomethane (Methyl bromide)	30.0	ND	ND	ND
2-Butanone (MEK, Methyl ethyl ketone)	50.0	ND	ND	ND
n-Butylbenzene	10.0	ND	ND	ND
sec-Butylbenzene	10.0	ND	ND	ND
tert-Butylbenzene	10.0	ND	ND	ND
Carbon disulfide	10.0	ND	ND	ND
Carbon tetrachloride (Tetrachloromethane)	10.0	ND	ND	ND
Chlorobenzene	10.0	ND	ND	ND
Chloroethane	30.0	ND	ND	ND
2-Chloroethyl vinyl ether	50.0	ND	ND	ND
Chloroform (Trichloromethane)	10.0	ND	ND	ND
Chloromethane (Methyl chloride)	30.0	ND	ND	ND
4-Chlorotoluene (p-Chlorotoluene)	10.0	ND	ND	ND
2-Chlorotoluene (o-Chlorotoluene)	10.0	ND	ND	ND
1,2-Dibromo-3-chloropropane (DBCP)	50.0	ND	ND	ND
Dibromochloromethane	10.0	ND	ND	ND
1,2-Dibromoethane (EDB, Ethylene dibromide)	10.0	ND	ND	ND
Dibromomethane	10.0	ND	ND	ND
1,2-Dichlorobenzene (o-Dichlorobenzene)	10.0	ND	ND	ND
1,3-Dichlorobenzene (m-Dichlorobenzene)	10.0	ND	ND	ND
1,4-Dichlorobenzene (p-Dichlorobenzene)	10.0	ND	ND	ND
Dichlorodifluoromethane	30.0	ND	ND	ND
1,1-Dichloroethane	10.0	ND	ND	ND
1,2-Dichloroethane	10.0	ND	ND	ND
1,1-Dichloroethene (1,1-Dichloroethylene)	10.0	ND	ND	ND
cis-1,2-Dichloroethene	10.0	ND	ND	ND
trans-1,2-Dichloroethene	10.0	ND	ND	ND
1,2-Dichloropropane	10.0	ND	ND	ND
1,3-Dichloropropane	10.0	ND	ND	ND
2,2-Dichloropropane	10.0	ND	ND	ND
1,1-Dichloropropene	10.0	ND	ND	ND
cis-1,3-Dichloropropene	10.0	ND	ND	ND
trans-1,3-Dichloropropene	10.0	ND	ND	ND
Ethylbenzene	2.00	ND	ND	ND
Hexachlorobutadiene (1,3-Hexachlorobutadiene)	30.0	ND	ND	ND
2-Hexanone	50.0	ND	ND	ND
Isopropylbenzene	10.0	ND	ND	ND
p-Isopropyltoluene (4-Isopropyltoluene)	10.0	ND	ND	ND
MTBE	5.00	ND	ND	ND
4-Methyl-2-pentanone (MIBK, Methyl isobutyl ketone)	50.0	ND	ND	ND
Methylene chloride (Dichloromethane, DCM)	50.0	ND	ND	ND
Naphthalene	10.0	ND	ND	ND
n-Propylbenzene	10.0	ND	ND	ND
Styrene	10.0	ND	ND	ND
1,1,1,2-Tetrachloroethane	10.0	ND	ND	ND
1,1,2,2-Tetrachloroethane	10.0	ND	ND	ND
Tetrachloroethene (Tetrachloroethylene) (PCE)	10.0	56.4	324	71.2
Toluene (Methyl benzene)	2.00	ND	ND	ND
1,2,3-Trichlorobenzene	10.0	ND	ND	ND
1,2,4-Trichlorobenzene	10.0	ND	ND	ND
1,1,1-Trichloroethane	10.0	ND	ND	ND
1,1,2-Trichloroethane	10.0	ND	ND	ND
Trichloroethene (TCE)	10.0	ND	ND	ND
Trichlorofluoromethane	10.0	ND	ND	ND
1,2,3-Trichloropropane	10.0	ND	ND	ND
1,2,4-Trimethylbenzene	10.0	ND	ND	ND
1,3,5-Trimethylbenzene	10.0	ND	ND	ND
Vinyl acetate	50.0	ND	ND	ND
Vinyl chloride (Chloroethene)	30.0	ND	ND	ND
o-Xylene	2.00	ND	ND	ND
m- & p-Xylenes	4.00	ND	ND	ND

NOTES:
VOC = Volatile Organic Compound
PQL = Practical Quantitation Limit
ND = Indicated constituents not detected above the PQL
ND<X = Indicated constituents not detected above the PQL of X
µg/kg = micrograms per kilogram

TABLE 6
Soil Gas Sample Results for VOCs
12922 Panama Street
Los Angeles, California

VOCs In Soil Vapor by EPA Method 8260B	Sample ID	SV1-5	SV1-10	SV2-4	SV2-6	SV3-5	SV3-10
	Date	5/6/2013	5/6/2013	5/6/2013	5/6/2013	5/6/2013	5/6/2013
	PQL (µg/L)	VOC Concentrations (µg/L)					
Benzene	0.010	ND	•	•	•	•	•
Bromobenzene	0.010	ND	•	•	•	•	•
Bromodichloromethane	0.010	ND	•	•	•	•	•
Bromoform	0.010	ND	•	•	•	•	•
n-Butylbenzene	0.010	ND	•	•	•	•	•
sec-Butylbenzene	0.010	ND	•	•	•	•	•
tert-Butylbenzene	0.010	ND	•	•	•	•	•
Carbon tetrachloride	0.010	ND	•	•	•	•	•
Chlorobenzene	0.010	ND	•	•	•	•	•
Chloroethane	0.010	ND	•	•	•	•	•
Chloroform	0.010	ND	•	•	•	•	•
Chloromethane	0.010	ND	•	•	•	•	•
2-Chlorotoluene	0.010	ND	•	•	•	•	•
4-Chlorotoluene	0.010	ND	•	•	•	•	•
Dibromochloromethane	0.010	ND	•	•	•	•	•
1,2-Dibromo-3-chloropropane	0.010	ND	•	•	•	•	•
1,2-Dibromoethane (EDB)	0.010	ND	•	•	•	•	•
Dibromomethane	0.010	ND	•	•	•	•	•
1,2- Dichlorobenzene	0.010	ND	•	•	•	•	•
1,3-Dichlorobenzene	0.010	ND	•	•	•	•	•
1,4-Dichlorobenzene	0.010	ND	•	•	•	•	•
Dichlorodifluoromethane	0.010	ND	•	•	•	•	•
1,1-Dichloroethane	0.010	ND	•	•	•	•	•
1,2-Dichloroethane	0.010	ND	•	•	•	•	•
1,1-Dichloroethene	0.010	ND	•	•	•	•	•
cis-1,2-Dichloroethene	0.010	ND	•	•	•	•	•
trans-1,2-Dichloroethene	0.010	ND	•	•	•	•	•
1,2-Dichloropropane	0.010	ND	•	•	•	•	•
1,3-Dichloropropane	0.010	ND	•	•	•	•	•
2,2-Dichloropropane	0.010	ND	•	•	•	•	•
1,1-Dichloropropene	0.010	ND	•	•	•	•	•
cis-1,3-Dichloropropene	0.010	ND	•	•	•	•	•
trans-1,3-Dichloropropene	0.010	ND	•	•	•	•	•
Ethylbenzene	0.010	ND	•	•	•	•	•
Freon 113	0.010	2.82	•	•	•	•	•
Hexachlorobutadiene	0.010	ND	•	•	•	•	•
Isopropylbenzene	0.010	ND	•	•	•	•	•
4-Isopropyltoluene	0.010	ND	•	•	•	•	•
Methylene chloride	0.010	ND	•	•	•	•	•
Naphthalene	0.010	ND	•	•	•	•	•
n-Propylbenzene	0.010	ND	•	•	•	•	•
Styrene	0.010	ND	•	•	•	•	•
1,1,1,2-Tetrachloroethane	0.010	ND	•	•	•	•	•
1,1,2,2-Tetrachloroethane	0.010	ND	•	•	•	•	•
Tetrachloroethylene (PCE)	0.010	ND	•	•	•	•	•
Toluene	0.010	ND	•	•	•	•	•
1,2,3-Trichlorobenzene	0.010	ND	•	•	•	•	•
1,2,4-Trichlorobenzene	0.010	ND	•	•	•	•	•
1,1,1-Trichloroethane	0.010	ND	•	•	•	•	•
1,1,2-Trichloroethane	0.010	ND	•	•	•	•	•
Trichloroethylene (TCE)	0.010	ND	•	•	•	•	•
Trichlorofluoromethane	0.010	ND	•	•	•	•	•
1,2,3-Trichloropropane	0.010	ND	•	•	•	•	•
1,2,4-Trimethylbenzene	0.010	ND	•	•	•	•	•
1,3,5-Trimethylbenzene	0.010	ND	•	•	•	•	•
Vinyl chloride	0.010	ND	•	•	•	•	•
Xylenes	0.010	ND	•	•	•	•	•
MTBE	0.010	ND	•	•	•	•	•
Ethyl-tert-butylether	0.010	ND	•	•	•	•	•
Di-isopropylether	0.010	ND	•	•	•	•	•
tert-amylmethylether	0.010	ND	•	•	•	•	•
tert-Butylalcohol	0.050	ND	•	•	•	•	•
Dilution Factor		1	•	•	•	•	•

NOTES:
VOC - Volatile Organic Compound
PQLs - Practical Quantitation Limits
ND - Not Detected Above the PQL
• - No Sample Collected Due to Lack of Flow
* - Dilutions for these compounds
P - Purge Volume

TABLE 6
Soil Gas Sample Results for VOCs
12922 Panama Street
Los Angeles, California

VOCs in Soil Vapor by EPA Method 8260B	Sample ID	SV5-5	SV5-10	SV5-10 Rep	SV8-5	SV8-10	SV9-5
	Date	5/6/2013	5/6/2013	5/6/2013	5/5/2013	5/6/2013	5/6/2013
	PQL (µg/L)	VOC Concentrations (µg/L)					
Benzene	0.010	ND	ND	ND	ND	ND	ND
Bromobenzene	0.010	ND	ND	ND	ND	ND	ND
Bromodichloromethane	0.010	ND	ND	ND	ND	ND	ND
Bromoform	0.010	ND	ND	ND	ND	ND	ND
n-Butylbenzene	0.010	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	0.010	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	0.010	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	0.010	ND	ND	ND	0.092	0.037	ND
Chlorobenzene	0.010	ND	ND	ND	ND	ND	ND
Chloroethane	0.010	ND	ND	ND	ND	ND	ND
Chloroform	0.010	ND	ND	ND	ND	ND	ND
Chloromethane	0.010	ND	ND	ND	ND	ND	ND
2-Chlorotoluene	0.010	ND	ND	ND	ND	ND	ND
4-Chlorotoluene	0.010	ND	ND	ND	ND	ND	ND
Dibromochloromethane	0.010	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	0.010	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane (EDB)	0.010	ND	ND	ND	ND	ND	ND
Dibromomethane	0.010	ND	ND	ND	ND	ND	ND
1,2- Dichlorobenzene	0.010	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	0.010	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	0.010	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	0.010	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	0.010	ND	ND	0.05	ND	ND	2.24
1,2-Dichloroethane	0.010	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	0.010	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	0.010	ND	0.287	0.052	0.859	1.79	386*
trans-1,2-Dichloroethene	0.010	ND	ND	4.01	ND	ND	ND
1,2-Dichloropropane	0.010	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	0.010	ND	ND	ND	ND	ND	ND
2,2-Dichloropropane	0.010	ND	ND	ND	ND	ND	ND
1,1-Dichloropropene	0.010	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	0.010	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	0.010	ND	ND	ND	ND	ND	ND
Ethylbenzene	0.010	ND	ND	ND	ND	ND	ND
Freon 113	0.010	6.47	8.35	7.35	690*	848*	23.6*
Hexachlorobutadiene	0.010	ND	ND	ND	ND	ND	ND
Isopropylbenzene	0.010	ND	ND	ND	ND	ND	ND
4-Isopropyltoluene	0.010	ND	ND	ND	ND	ND	ND
Methylene chloride	0.010	ND	ND	ND	ND	ND	ND
Naphthalene	0.010	ND	ND	ND	ND	ND	ND
n-Propylbenzene	0.010	ND	ND	ND	ND	ND	ND
Styrene	0.010	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	0.010	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	0.010	ND	ND	ND	ND	ND	ND
Tetrachloroethylene (PCE)	0.010	2.61	3.53	3.96	79.5*	107*	31.9*
Toluene	0.010	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	0.010	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	0.010	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	0.010	0.132	0.046	0.118	3.27	2.71	ND
1,1,2-Trichloroethane	0.010	ND	ND	ND	0.468	0.588	ND
Trichloroethylene (TCE)	0.010	9.51	11.4	12.4	7.46	8.77	27.7*
Trichlorofluoromethane	0.010	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	0.010	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	0.010	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	0.010	ND	ND	ND	ND	ND	ND
Vinyl chloride	0.010	ND	ND	ND	ND	ND	ND
Xylenes	0.010	ND	ND	ND	ND	ND	ND
MTBE	0.010	ND	ND	ND	ND	ND	ND
Ethyl-tert-butylether	0.010	ND	ND	ND	ND	ND	ND
Di-isopropylether	0.010	ND	ND	ND	ND	ND	ND
tert-amylmethylether	0.010	ND	ND	ND	ND	ND	ND
tert-Butylalcohol	0.050	ND	ND	ND	ND	ND	ND
Dilution Factor		1	1	1	1/20*	1/20*	1/10*

NOTES:
VOC - Volatile Organic Compound
PQLs - Practical Quantitation Limits
ND - Not Detected Above the PQL
* - No Sample Collected Due to Lack of Flow
* - Dilutions for these compounds
P - Purge Volume

TABLE 6
Soil Gas Sample Results for VOCs
12922 Panama Street
Los Angeles, California

VOCs in Soil Vapor by EPA Method 8260B	Sample ID	SV9-10	SV10-5.1P	SV10-5.3P	SV10-5.10P	SV11-5	SV11-10
	Date	5/6/2013	5/6/2013	5/6/2013	5/6/2013	5/6/2013	5/6/2013
	PQL (ug/L)	VOC Concentrations (ug/L)					
Benzene	0.010	ND	ND	ND	ND	ND	ND
Bromobenzene	0.010	ND	ND	ND	ND	ND	ND
Bromodichloromethane	0.010	ND	ND	ND	ND	ND	ND
Bromoform	0.010	ND	ND	ND	ND	ND	ND
n-Butylbenzene	0.010	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	0.010	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	0.010	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	0.010	ND	0.047	0.053	0.134	ND	ND
Chlorobenzene	0.010	ND	ND	ND	ND	ND	ND
Chloroethane	0.010	ND	ND	ND	ND	ND	ND
Chloroform	0.010	ND	0.245	0.036	0.032	ND	ND
Chloromethane	0.010	ND	ND	ND	ND	ND	ND
2-Chlorotoluene	0.010	ND	ND	ND	ND	ND	ND
4-Chlorotoluene	0.010	ND	ND	ND	ND	ND	ND
Dibromochloromethane	0.010	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	0.010	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane (EDB)	0.010	ND	ND	ND	ND	ND	ND
Dibromomethane	0.010	ND	ND	ND	ND	ND	ND
1,2- Dichlorobenzene	0.010	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	0.010	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	0.010	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	0.010	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	0.010	2.25	ND	ND	ND	ND	ND
1,2-Dichloroethane	0.010	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	0.010	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	0.010	281*	0.665	0.628	2.00	27.1*	14.4*
trans-1,2-Dichloroethene	0.010	0.866	ND	ND	ND	67.9*	68.1
1,2-Dichloropropane	0.010	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	0.010	ND	ND	ND	ND	ND	ND
2,2-Dichloropropane	0.010	ND	ND	ND	ND	ND	ND
1,1-Dichloropropene	0.010	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	0.010	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	0.010	ND	ND	ND	ND	ND	ND
Ethylbenzene	0.010	ND	ND	ND	ND	ND	ND
Freon 113	0.010	22.9*	ND	ND	ND	ND	ND
Hexachlorobutadiene	0.010	ND	31.5	35.8	62.7	ND	ND
Isopropylbenzene	0.010	ND	ND	ND	ND	ND	ND
4-Isopropyltoluene	0.010	ND	ND	ND	ND	ND	ND
Methylene chloride	0.010	ND	ND	ND	ND	ND	ND
Naphthalene	0.010	ND	ND	ND	ND	ND	ND
n-Propylbenzene	0.010	ND	ND	ND	ND	ND	ND
Styrene	0.010	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	0.010	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	0.010	ND	ND	ND	ND	ND	ND
Tetrachloroethylene (PCE)	0.010	19.4*	3,040*	5,280*	6,400*	3.53*	9.98*
Toluene	0.010	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	0.010	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	0.010	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	0.010	ND	0.624	0.907	2.36	ND	ND
1,1,2-Trichloroethane	0.010	0.163	ND	ND	ND	0.116	0.131
Trichloroethylene (TCE)	0.010	25.4*	9.25	10.8	29.0	5.84	6.68
Trichlorofluoromethane	0.010	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	0.010	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	0.010	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	0.010	ND	ND	ND	ND	ND	ND
Vinyl chloride	0.010	ND	ND	ND	ND	ND	ND
Xylenes	0.010	ND	ND	ND	ND	ND	ND
MTBE	0.010	ND	ND	ND	ND	ND	ND
Ethyl-tert-butylether	0.010	ND	ND	ND	ND	ND	ND
Di-isopropylether	0.010	ND	ND	ND	ND	ND	ND
tert-amylmethylether	0.010	ND	ND	ND	ND	ND	ND
tert-Butylalcohol	0.050	ND	ND	ND	ND	ND	ND
Dilution Factor		1/20*	1/200*	1/200*	1/200*	1/5*	1/50*

NOTES:
VOC - Volatile Organic Compound
PQLs - Practical Quantitation Limits
ND - Not Detected Above the PQL
* - No Sample Collected Due to Lack of Flow
* - Dilutions for these compounds
P - Purge Volume

TABLE 6
Soil Gas Sample Results for VOCs
12922 Panama Street
Los Angeles, California

VOCs In Soil Vapor by EPA Method 8260B	Sample ID	SV13-5	SV13-10	SV14-5	SV14-10	SV15-5	SV15-5 DUP
	Date	5/6/2013	5/6/2013	5/6/2013	5/6/2013	5/6/2013	5/6/2013
	PQL (µg/L)	VOC Concentrations (µg/L)					
Benzene	0.010	ND	ND	ND	ND	ND	ND
Bromobenzene	0.010	ND	ND	ND	ND	ND	ND
Bromodichloromethane	0.010	ND	ND	ND	ND	ND	ND
Bromoform	0.010	ND	ND	ND	ND	ND	ND
n-Butylbenzene	0.010	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	0.010	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	0.010	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	0.010	ND	ND	ND	ND	ND	ND
Chlorobenzene	0.010	ND	ND	ND	ND	ND	ND
Chloroethane	0.010	ND	ND	ND	ND	ND	ND
Chloroform	0.010	ND	0.057	ND	ND	ND	ND
Chloromethane	0.010	ND	ND	ND	ND	ND	ND
2-Chlorotoluene	0.010	ND	ND	ND	ND	ND	ND
4-Chlorotoluene	0.010	ND	ND	ND	ND	ND	ND
Dibromochloromethane	0.010	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	0.010	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane (EDB)	0.010	ND	ND	ND	ND	ND	ND
Dibromomethane	0.010	ND	ND	ND	ND	ND	ND
1,2- Dichlorobenzene	0.010	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	0.010	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	0.010	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	0.010	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	0.010	0.041	0.176	ND	ND	ND	ND
1,2-Dichloroethane	0.010	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	0.010	1.14	1.54	ND	ND	ND	ND
cis-1,2-Dichloroethene	0.010	358*	368*	ND	ND	1.97	1.79
trans-1,2-Dichloroethene	0.010	9.7	11.2	ND	ND	ND	ND
1,2-Dichloropropane	0.010	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	0.010	ND	ND	ND	ND	ND	ND
2,2-Dichloropropane	0.010	ND	ND	ND	ND	ND	ND
1,1-Dichloropropene	0.010	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	0.010	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	0.010	ND	ND	ND	ND	ND	ND
Ethylbenzene	0.010	ND	ND	ND	ND	ND	ND
Freon 113	0.010	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	0.010	ND	ND	ND	ND	ND	ND
Isopropylbenzene	0.010	ND	ND	ND	ND	ND	ND
4-Isopropyltoluene	0.010	ND	ND	ND	ND	ND	ND
Methylene chloride	0.010	ND	ND	ND	ND	ND	ND
Naphthalene	0.010	ND	ND	ND	ND	ND	ND
n-Propylbenzene	0.010	ND	ND	ND	ND	ND	ND
Styrene	0.010	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	0.010	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	0.010	ND	ND	ND	ND	ND	ND
Tetrachloroethylene (PCE)	0.010	ND	1.21	6.37	2.64	1.97	1.84
Toluene	0.010	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	0.010	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	0.010	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	0.010	0.500*	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	0.010	ND	ND	ND	ND	ND	ND
Trichloroethylene (TCE)	0.010	0.858	3.42	1.55	1.49	1.18	1.31
Trichlorofluoromethane	0.010	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	0.010	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	0.010	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	0.010	ND	ND	ND	ND	ND	ND
Vinyl chloride	0.010	1.57	2.21	ND	ND	ND	ND
Xylenes	0.010	ND	ND	ND	ND	ND	ND
MTBE	0.010	ND	ND	ND	ND	ND	ND
Ethyl-tert-butylether	0.010	ND	ND	ND	ND	ND	ND
Di-isopropylether	0.010	ND	ND	ND	ND	ND	ND
tert-amylmethylether	0.010	ND	ND	ND	ND	ND	ND
tert-Butylalcohol	0.050	ND	ND	ND	ND	ND	ND
Dilution Factor		1/20*	1/20*	1	1	1	1

NOTES:
VOC - Volatile Organic Compound
PQLs - Practical Quantitation Limits
ND - Not Detected Above the PQL
* - No Sample Collected Due to Lack of Flow
* - Dilutions for these compounds
P - Purge Volume

TABLE 6
Soil Gas Sample Results for VOCs
12922 Panama Street
Los Angeles, California

VOCs in Soil Vapor by EPA Method 8260B	Sample ID	SV16-10	SV16-5	SV16-5 DUP	SV16-10	SV17-5	SV17-10
	Date	5/8/2013	5/8/2013	5/8/2013	5/8/2013	5/8/2013	5/8/2013
	PQL (µg/L)	VOC Concentrations (µg/L)					
Benzene	0.010	ND	ND	ND	ND	ND	ND
Bromobenzene	0.010	ND	ND	ND	ND	ND	ND
Bromodichloromethane	0.010	ND	ND	ND	ND	ND	ND
Bromoform	0.010	ND	ND	ND	ND	ND	ND
n-Butylbenzene	0.010	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	0.010	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	0.010	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	0.010	ND	ND	ND	ND	ND	ND
Chlorobenzene	0.010	ND	ND	ND	ND	ND	ND
Chloroethane	0.010	ND	ND	ND	ND	ND	ND
Chloroform	0.010	ND	ND	ND	ND	ND	ND
Chloromethane	0.010	ND	ND	ND	ND	ND	ND
2-Chlorotoluene	0.010	ND	ND	ND	ND	ND	ND
4-Chlorotoluene	0.010	ND	ND	ND	ND	ND	ND
Dibromochloromethane	0.010	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	0.010	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane (EDB)	0.010	ND	ND	ND	ND	ND	ND
Dibromomethane	0.010	ND	ND	ND	ND	ND	ND
1,2- Dichlorobenzene	0.010	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	0.010	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	0.010	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	0.010	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	0.010	ND	ND	ND	0.442	ND	ND
1,2-Dichloroethane	0.010	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	0.010	ND	1.88	0.959	1.16	ND	ND
cis-1,2-Dichloroethene	0.010	ND	152*	157*	179*	ND	0.025
trans-1,2-Dichloroethene	0.010	4.37	ND	ND	ND	ND	ND
1,2-Dichloropropane	0.010	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	0.010	ND	ND	ND	ND	ND	ND
2,2-Dichloropropane	0.010	ND	ND	ND	ND	ND	ND
1,1-Dichloropropene	0.010	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	0.010	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	0.010	ND	ND	ND	ND	ND	ND
Ethylbenzene	0.010	ND	ND	ND	ND	ND	ND
Freon 113	0.010	ND	1.88	2.02	1.88	ND	0.606
Hexachlorobutadiene	0.010	ND	ND	ND	ND	ND	ND
Isopropylbenzene	0.010	ND	ND	ND	ND	ND	ND
4-Isopropyltoluene	0.010	ND	ND	ND	ND	ND	ND
Methylene chloride	0.010	ND	ND	ND	ND	ND	ND
Naphthalene	0.010	ND	ND	ND	ND	ND	ND
n-Propylbenzene	0.010	ND	ND	ND	ND	ND	ND
Styrene	0.010	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	0.010	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	0.010	ND	ND	ND	ND	ND	ND
Tetrachloroethylene (PCE)	0.010	0.737	5.86	6.11	4.97	ND	0.356
Toluene	0.010	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	0.010	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	0.010	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	0.010	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	0.010	0.11	ND	ND	ND	ND	ND
Trichloroethylene (TCE)	0.010	0.536	19.4	20.6	21.6	ND	ND
Trichlorofluoromethane	0.010	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	0.010	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	0.010	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	0.010	ND	ND	ND	ND	ND	ND
Vinyl chloride	0.010	ND	ND	ND	ND	ND	ND
Xylenes	0.010	ND	ND	ND	ND	ND	ND
MTBE	0.010	ND	ND	ND	ND	ND	ND
Ethyl-tert-butylether	0.010	ND	ND	ND	ND	ND	ND
Di-isopropylether	0.010	ND	ND	ND	ND	ND	ND
tert-amylmethylether	0.010	ND	ND	ND	ND	ND	ND
tert-Butylalcohol	0.050	ND	ND	ND	ND	ND	ND
Dilution Factor		1	1/20*	1/20*	1/20*	1	1

NOTES:
VOC - Volatile Organic Compound
PQLs - Practical Quantitation Limits
ND - Not Detected Above the PQL
- - No Sample Collected Due to Lack of Flow
* - Dilutions for these compounds
P - Purge Volume

TABLE 6
Soil Gas Sample Results for VOCs
12922 Panama Street
Los Angeles, California

VOCs in Soil Vapor by EPA Method 8260B	Sample ID	SV18-5	SV18-10	SV19-5	SV19-10	SV20-5	SV20-10
	Date	5/6/2013	5/6/2013	5/6/2013	5/6/2013	5/6/2013	5/6/2013
	PQL (µg/L)	VOC Concentrations (µg/L)					
Benzene	0.010	ND	ND	ND	ND	ND	ND
Bromobenzene	0.010	ND	ND	ND	ND	ND	ND
Bromodichloromethane	0.010	ND	ND	ND	ND	ND	ND
Bromoform	0.010	ND	ND	ND	ND	ND	ND
n-Butylbenzene	0.010	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	0.010	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	0.010	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	0.010	ND	ND	ND	ND	ND	ND
Chlorobenzene	0.010	ND	ND	ND	ND	ND	ND
Chloroethane	0.010	ND	ND	ND	ND	ND	ND
Chloroform	0.010	ND	ND	0.05	0.046	0.03	ND
Chloromethane	0.010	ND	ND	ND	ND	ND	ND
2-Chlorotoluene	0.010	ND	ND	ND	ND	ND	ND
4-Chlorotoluene	0.010	ND	ND	ND	ND	ND	ND
Dibromochloromethane	0.010	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	0.010	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane (EDB)	0.010	ND	ND	ND	ND	ND	ND
Dibromomethane	0.010	ND	ND	ND	ND	ND	ND
1,2- Dichlorobenzene	0.010	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	0.010	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	0.010	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	0.010	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	0.010	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	0.010	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	0.010	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	0.010	ND	ND	ND	ND	4.99	5.26
trans-1,2-Dichloroethene	0.010	ND	ND	ND	ND	0.02	ND
1,2-Dichloropropane	0.010	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	0.010	ND	ND	ND	ND	ND	ND
2,2-Dichloropropane	0.010	ND	ND	ND	ND	ND	ND
1,1-Dichloropropene	0.010	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	0.010	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	0.010	ND	ND	ND	ND	ND	ND
Ethylbenzene	0.010	ND	ND	ND	ND	ND	ND
Freon 113	0.010	ND	1.42	5.23	5.66	ND	ND
Hexachlorobutadiene	0.010	ND	ND	ND	ND	ND	ND
Isopropylbenzene	0.010	ND	ND	ND	ND	ND	ND
4-Isopropyltoluene	0.010	ND	ND	ND	ND	ND	ND
Methylene chloride	0.010	ND	ND	ND	ND	ND	ND
Naphthalene	0.010	ND	ND	ND	ND	ND	ND
n-Propylbenzene	0.010	ND	ND	ND	ND	ND	ND
Styrene	0.010	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	0.010	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	0.010	ND	ND	ND	ND	ND	ND
Tetrachloroethylene (PCE)	0.010	0.049	0.104	3.58	2.01	1.56	2.08
Toluene	0.010	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	0.010	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	0.010	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	0.010	ND	ND	0.065	0.055	ND	0.042
1,1,2-Trichloroethane	0.010	ND	ND	ND	ND	ND	ND
Trichloroethylene (TCE)	0.010	ND	0.072	7.75	5.66	1.1	1.26
Trichlorofluoromethane	0.010	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	0.010	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	0.010	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	0.010	ND	ND	ND	ND	ND	ND
Vinyl chloride	0.010	ND	ND	ND	ND	ND	ND
Xylenes	0.010	ND	ND	ND	ND	ND	ND
MTBE	0.010	ND	ND	ND	ND	ND	ND
Ethyl-tert-butylether	0.010	ND	ND	ND	ND	ND	ND
Di-isopropylether	0.010	ND	ND	ND	ND	ND	ND
tert-amylmethylether	0.010	ND	ND	ND	ND	ND	ND
tert-Butylalcohol	0.050	ND	ND	ND	ND	ND	ND
Dilution Factor		1	1	1	1	1	1

NOTES:
VOC - Volatile Organic Compound
PQLs - Practical Quantitation Limits
ND - Not Detected Above the PQL
* - No Sample Collected Due to Lack of Flow
* - Dilutions for these compounds
P - Purge Volume

TABLE 6
Soil Gas Sample Results for VOCs
12922 Panama Street
Los Angeles, California

VOCs in Soil Vapor by EPA Method 8260B	Sample ID	SV21-5	SV21-10	SV22-5	SV22-10	SV23-5'	SV23-10
	Date:	5/10/2013	5/10/2013	5/10/2013	5/10/2013	5/8/2013	5/8/2013
	PQL (ug/L)	VOC Concentrations (ug/L)					
Benzene	0.010	ND	ND	ND	ND	ND	ND
Bromobenzene	0.010	ND	ND	ND	ND	ND	ND
Bromodichloromethane	0.010	ND	ND	ND	ND	ND	ND
Bromoform	0.010	ND	ND	ND	ND	ND	ND
n-Butylbenzene	0.010	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	0.010	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	0.010	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	0.010	ND	ND	ND	ND	ND	ND
Chlorobenzene	0.010	ND	ND	ND	ND	ND	ND
Chloroethane	0.010	ND	ND	ND	ND	ND	ND
Chloroform	0.010	ND	ND	0.03	ND	ND	ND
Chloromethane	0.010	ND	ND	ND	ND	ND	ND
2-Chlorotoluene	0.010	ND	ND	ND	ND	ND	ND
4-Chlorotoluene	0.010	ND	ND	ND	ND	ND	ND
Dibromochloromethane	0.010	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	0.010	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane (EDB)	0.010	ND	ND	ND	ND	ND	ND
Dibromomethane	0.010	ND	ND	ND	ND	ND	ND
1,2- Dichlorobenzene	0.010	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	0.010	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	0.010	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	0.010	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	0.010	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	0.010	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	0.010	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	0.010	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	0.010	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	0.010	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	0.010	ND	ND	ND	ND	ND	ND
2,2-Dichloropropane	0.010	ND	ND	ND	ND	ND	ND
1,1-Dichloropropene	0.010	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	0.010	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	0.010	ND	ND	ND	ND	ND	ND
Ethylbenzene	0.010	ND	ND	ND	ND	ND	ND
Freon 113	0.010	0.61	ND	ND	0.519	0.41	0.294
Hexachlorobutadiene	0.010	ND	ND	ND	ND	ND	ND
Isopropylbenzene	0.010	ND	ND	ND	ND	ND	ND
4-Isopropyltoluene	0.010	ND	ND	ND	ND	ND	ND
Methylene chloride	0.010	ND	ND	ND	ND	ND	ND
Naphthalene	0.010	ND	ND	ND	ND	ND	ND
n-Propylbenzene	0.010	ND	ND	ND	ND	ND	ND
Styrene	0.010	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	0.010	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	0.010	ND	ND	ND	ND	ND	ND
Tetrachloroethylene (PCE)	0.010	0.153	0.853	1.25	ND	86.2*	69.9*
Toluene	0.010	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	0.010	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	0.010	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	0.010	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	0.010	ND	ND	ND	ND	ND	ND
Trichloroethylene (TCE)	0.010	ND	ND	ND	ND	0.254	0.154
Trichlorofluoromethane	0.010	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	0.010	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	0.010	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	0.010	ND	ND	ND	ND	ND	ND
Vinyl chloride	0.010	ND	ND	ND	ND	ND	ND
Xylenes	0.010	ND	ND	ND	ND	ND	ND
MTBE	0.010	ND	ND	ND	ND	ND	ND
Ethyl-tert-butylether	0.010	ND	ND	ND	ND	ND	ND
Di-isopropylether	0.010	ND	ND	ND	ND	ND	ND
tert-amylmethylether	0.010	ND	ND	ND	ND	ND	ND
tert-Butylalcohol	0.050	ND	ND	ND	ND	ND	ND
Dilution Factor		1	1	1	1	1/5*	1/5*

NOTES:
VOC - Volatile Organic Compound
PQLs - Practical Quantitation Limits
ND - Not Detected Above the PQL
* - No Sample Collected Due to Lack of Flow
* - Dilutions for these compounds
P - Purge Volume

TABLE 6
Soil Gas Sample Results for VOCs
12922 Panama Street
Los Angeles, California

VOCs in Soil Vapor by EPA Method 8260B	Sample ID:	SV24-5	SV24-10	SV25-5	SV25-10	SV26-5	SV26-10
	Date:	5/6/2013	5/6/2013	5/6/2013	5/6/2013	5/6/2013	5/6/2013
	PQL (µg/L)	VOC Concentrations (µg/L)					
Benzene	0.010	-	-	ND	ND	ND	-
Bromobenzene	0.010	-	-	ND	ND	ND	-
Bromodichloromethane	0.010	-	-	ND	ND	ND	-
Bromoform	0.010	-	-	ND	ND	ND	-
n-Butylbenzene	0.010	-	-	ND	ND	ND	-
sec-Butylbenzene	0.010	-	-	ND	ND	ND	-
tert-Butylbenzene	0.010	-	-	ND	ND	ND	-
Carbon tetrachloride	0.010	-	-	ND	ND	ND	-
Chlorobenzene	0.010	-	-	ND	ND	ND	-
Chloroethane	0.010	-	-	ND	ND	ND	-
Chloroform	0.010	-	-	0.32	0.03	ND	-
Chloromethane	0.010	-	-	ND	ND	ND	-
2-Chlorotoluene	0.010	-	-	ND	ND	ND	-
4-Chlorotoluene	0.010	-	-	ND	ND	ND	-
Dibromochloromethane	0.010	-	-	ND	ND	ND	-
1,2-Dibromo-3-chloropropane	0.010	-	-	ND	ND	ND	-
1,2-Dibromoethane (EDB)	0.010	-	-	ND	ND	ND	-
Dibromomethane	0.010	-	-	ND	ND	ND	-
1,2- Dichlorobenzene	0.010	-	-	ND	ND	ND	-
1,3-Dichlorobenzene	0.010	-	-	ND	ND	ND	-
1,4-Dichlorobenzene	0.010	-	-	ND	ND	ND	-
Dichlorodifluoromethane	0.010	-	-	ND	ND	ND	-
1,1-Dichloroethane	0.010	-	-	ND	ND	ND	-
1,2-Dichloroethane	0.010	-	-	ND	ND	ND	-
1,1-Dichloroethene	0.010	-	-	0.454	ND	ND	-
cis-1,2-Dichloroethene	0.010	-	-	30.9	38.6*	ND	-
trans-1,2-Dichloroethene	0.010	-	-	51.3	48.2*	ND	-
1,2-Dichloropropane	0.010	-	-	ND	ND	ND	-
1,3-Dichloropropane	0.010	-	-	ND	ND	ND	-
2,2-Dichloropropane	0.010	-	-	ND	ND	ND	-
1,1-Dichloropropene	0.010	-	-	ND	ND	ND	-
cis-1,3-Dichloropropene	0.010	-	-	ND	ND	ND	-
trans-1,3-Dichloropropene	0.010	-	-	ND	ND	ND	-
Ethylbenzene	0.010	-	-	ND	ND	ND	-
Freon 113	0.010	-	-	0.843	36.8*	ND	-
Hexachlorobutadiene	0.010	-	-	ND	ND	ND	-
Isopropylbenzene	0.010	-	-	ND	ND	ND	-
4-Isopropyltoluene	0.010	-	-	ND	ND	ND	-
Methylene chloride	0.010	-	-	ND	ND	ND	-
Naphthalene	0.010	-	-	ND	ND	ND	-
n-Propylbenzene	0.010	-	-	ND	ND	ND	-
Styrene	0.010	-	-	ND	ND	ND	-
1,1,1,2-Tetrachloroethane	0.010	-	-	ND	ND	ND	-
1,1,2,2-Tetrachloroethane	0.010	-	-	ND	ND	ND	-
Tetrachloroethylene (PCE)	0.010	-	-	0.562	4.69	251*	-
Toluene	0.010	-	-	ND	ND	ND	-
1,2,3-Trichlorobenzene	0.010	-	-	ND	ND	ND	-
1,2,4-Trichlorobenzene	0.010	-	-	ND	ND	ND	-
1,1,1-Trichloroethane	0.010	-	-	ND	ND	ND	-
1,1,2-Trichloroethane	0.010	-	-	ND	ND	ND	-
Trichloroethylene (TCE)	0.010	-	-	1.73	11.2	1.15	-
Trichlorofluoromethane	0.010	-	-	ND	ND	ND	-
1,2,3-Trichloropropane	0.010	-	-	ND	ND	ND	-
1,2,4-Trimethylbenzene	0.010	-	-	ND	ND	ND	-
1,3,5-Trimethylbenzene	0.010	-	-	ND	ND	ND	-
Vinyl chloride	0.010	-	-	1.1	2.12	ND	-
Xylenes	0.010	-	-	ND	ND	ND	-
MTBE	0.010	-	-	ND	ND	ND	-
Ethyl-tert-butylether	0.010	-	-	ND	ND	ND	-
Di-isopropylether	0.010	-	-	ND	ND	ND	-
tert-amylmethylether	0.010	-	-	ND	ND	ND	-
tert-Butylalcohol	0.050	-	-	ND	ND	ND	-
Dilution Factor		-	-	1	1	1/20*	-

NOTES:
VOC - Volatile Organic Compound
PQLs - Practical Quantitation Limits
ND - Not Detected Above the PQL
- - No Sample Collected Due to Lack of Flow
* - Dilutions for these compounds
P - Purge Volume

TABLE 6
Soil Gas Sample Results for VOCs
12922 Panama Street
Los Angeles, California

VOCs In Soil Vapor by EPA Method 8260B	Sample ID	SV27-4	SV27-8	SV28-5	SV28-10	SV29-5	SV29-10
	Date	5/6/2013	5/6/2013	5/6/2013	5/6/2013	5/10/2013	5/10/2013
	PQL (µg/L)	VOC Concentrations (µg/L)					
Benzene	0.010	ND	•	ND	ND	ND	ND
Bromobenzene	0.010	ND	•	ND	ND	ND	ND
Bromodichloromethane	0.010	ND	•	ND	ND	ND	ND
Bromoform	0.010	ND	•	ND	ND	ND	ND
n-Butylbenzene	0.010	ND	•	ND	ND	ND	ND
sec-Butylbenzene	0.010	ND	•	ND	ND	ND	ND
tert-Butylbenzene	0.010	ND	•	ND	ND	ND	ND
Carbon tetrachloride	0.010	ND	•	ND	ND	ND	ND
Chlorobenzene	0.010	ND	•	ND	ND	ND	ND
Chloroethane	0.010	ND	•	ND	ND	ND	ND
Chloroform	0.010	ND	•	ND	ND	ND	ND
Chloromethane	0.010	ND	•	ND	ND	ND	ND
2-Chlorotoluene	0.010	ND	•	ND	ND	ND	ND
4-Chlorotoluene	0.010	ND	•	ND	ND	ND	ND
Dibromochloromethane	0.010	ND	•	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	0.010	ND	•	ND	ND	ND	ND
1,2-Dibromoethane (EDB)	0.010	ND	•	ND	ND	ND	ND
Dibromomethane	0.010	ND	•	ND	ND	ND	ND
1,2- Dichlorobenzene	0.010	ND	•	ND	ND	ND	ND
1,3-Dichlorobenzene	0.010	ND	•	ND	ND	ND	ND
1,4-Dichlorobenzene	0.010	ND	•	ND	ND	ND	ND
Dichlorodifluoromethane	0.010	ND	•	ND	ND	ND	ND
1,1-Dichloroethane	0.010	ND	•	ND	ND	ND	ND
1,2-Dichloroethane	0.010	ND	•	ND	ND	ND	ND
1,1-Dichloroethene	0.010	ND	•	ND	ND	ND	ND
cis-1,2-Dichloroethene	0.010	ND	•	ND	ND	ND	ND
trans-1,2-Dichloroethene	0.010	ND	•	ND	ND	ND	ND
1,2-Dichloropropane	0.010	ND	•	ND	ND	ND	ND
1,3-Dichloropropane	0.010	ND	•	ND	ND	ND	ND
2,2-Dichloropropane	0.010	ND	•	ND	ND	ND	ND
1,1-Dichloropropene	0.010	ND	•	ND	ND	ND	ND
cis-1,3-Dichloropropene	0.010	ND	•	ND	ND	ND	ND
trans-1,3-Dichloropropene	0.010	ND	•	ND	ND	ND	ND
Ethylbenzene	0.010	ND	•	ND	ND	ND	ND
Freon 113	0.010	ND	•	ND	ND	53.6*	24.1*
Hexachlorobutadiene	0.010	ND	•	ND	ND	ND	ND
Isopropylbenzene	0.010	ND	•	ND	ND	ND	ND
4-Isopropyltoluene	0.010	ND	•	ND	ND	ND	ND
Methylene chloride	0.010	ND	•	ND	ND	ND	ND
Naphthalene	0.010	ND	•	ND	ND	ND	ND
n-Propylbenzene	0.010	ND	•	ND	ND	ND	ND
Styrene	0.010	ND	•	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	0.010	ND	•	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	0.010	ND	•	ND	ND	ND	ND
Tetrachloroethylene (PCE)	0.010	0.205	•	4.12	2.58	104*	115*
Toluene	0.010	ND	•	ND	ND	ND	ND
1,2,3-Trichlorobenzene	0.010	ND	•	ND	ND	ND	ND
1,2,4-Trichlorobenzene	0.010	ND	•	ND	ND	ND	ND
1,1,1-Trichloroethane	0.010	ND	•	ND	ND	ND	ND
1,1,2-Trichloroethane	0.010	ND	•	ND	ND	ND	ND
Trichloroethylene (TCE)	0.010	0.018	•	0.19	0.139	0.366	0.237
Trichlorofluoromethane	0.010	ND	•	ND	ND	ND	ND
1,2,3-Trichloropropane	0.010	ND	•	ND	ND	ND	ND
1,2,4-Trimethylbenzene	0.010	ND	•	ND	ND	ND	ND
1,3,5-Trimethylbenzene	0.010	ND	•	ND	ND	ND	ND
Vinyl chloride	0.010	ND	•	0.592	ND	0.604	ND
Xylenes	0.010	ND	•	ND	ND	ND	ND
MTBE	0.010	ND	•	ND	ND	ND	ND
Ethyl-tert-butylether	0.010	ND	•	ND	ND	ND	ND
Di-isopropylether	0.010	ND	•	ND	ND	ND	ND
tert-amylmethylether	0.010	ND	•	ND	ND	ND	ND
tert-Butylalcohol	0.050	ND	•	ND	ND	ND	ND
Dilution Factor		1	•	1	1	1/4*	1/4*

NOTES:
VOC - Volatile Organic Compound
PQLs - Practical Quantitation Limits
ND - Not Detected Above the PQL
• - No Sample Collected Due to Lack of Flow
* - Dilutions for these compounds
P - Purge Volume

TABLE 6
Soil Gas Sample Results for VOCs
12922 Panama Street
Los Angeles, California

VOCs in Soil Vapor by EPA Method 8260B	Sample ID	SV30-5	SV30-10	SV31-5	SV31-10	SV31-10 DUP	SV32-5
	Date	5/8/2013	5/9/2013	5/10/2013	5/10/2013	5/10/2013	5/8/2013
	PQL (µg/L)	VOC Concentrations (µg/L)					
Benzene	0.010	ND	ND	ND	ND	ND	ND
Bromobenzene	0.010	ND	ND	ND	ND	ND	ND
Bromodichloromethane	0.010	ND	ND	ND	ND	ND	ND
Bromoform	0.010	ND	ND	ND	ND	ND	ND
n-Butylbenzene	0.010	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	0.010	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	0.010	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	0.010	ND	ND	ND	ND	ND	ND
Chlorobenzene	0.010	ND	ND	ND	ND	ND	ND
Chloroethane	0.010	ND	ND	ND	ND	ND	ND
Chloroform	0.010	ND	ND	ND	ND	ND	ND
Chloromethane	0.010	ND	ND	ND	ND	ND	ND
2-Chlorotoluene	0.010	ND	ND	ND	ND	ND	ND
4-Chlorotoluene	0.010	ND	ND	ND	ND	ND	ND
Dibromochloromethane	0.010	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	0.010	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane (EDB)	0.010	ND	ND	ND	ND	ND	ND
Dibromomethane	0.010	ND	ND	ND	ND	ND	ND
1,2- Dichlorobenzene	0.010	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	0.010	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	0.010	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	0.010	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	0.010	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	0.010	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	0.010	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	0.010	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	0.010	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	0.010	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	0.010	ND	ND	ND	ND	ND	ND
2,2-Dichloropropane	0.010	ND	ND	ND	ND	ND	ND
1,1-Dichloropropene	0.010	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	0.010	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	0.010	ND	ND	ND	ND	ND	ND
Ethylbenzene	0.010	ND	ND	ND	ND	ND	ND
Freon 113	0.010	6.66	8.67	ND	ND	ND	ND
Hexachlorobutadiene	0.010	ND	ND	ND	ND	ND	ND
Isopropylbenzene	0.010	ND	ND	ND	ND	ND	ND
4-Isopropyltoluene	0.010	ND	ND	ND	ND	ND	ND
Methylene chloride	0.010	ND	ND	ND	ND	ND	ND
Naphthalene	0.010	ND	ND	ND	ND	ND	ND
n-Propylbenzene	0.010	ND	ND	ND	ND	ND	ND
Styrene	0.010	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	0.010	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	0.010	ND	ND	ND	ND	ND	ND
Tetrachloroethylene (PCE)	0.010	10.7	11.3	ND	0.248	0.852	ND
Toluene	0.010	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	0.010	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	0.010	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	0.010	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	0.010	ND	ND	ND	ND	ND	ND
Trichloroethylene (TCE)	0.010	0.144	0.156	ND	ND	ND	ND
Trichlorofluoromethane	0.010	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	0.010	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	0.010	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	0.010	ND	ND	ND	ND	ND	ND
Vinyl chloride	0.010	ND	ND	ND	ND	ND	ND
Xylenes	0.010	ND	ND	ND	ND	ND	ND
MTBE	0.010	ND	ND	ND	ND	ND	ND
Ethyl-tert-butylether	0.010	ND	ND	ND	ND	ND	ND
Di-isopropylether	0.010	ND	ND	ND	ND	ND	ND
tert-amylmethylether	0.010	ND	ND	ND	ND	ND	ND
tert-Butylalcohol	0.050	ND	ND	ND	ND	ND	ND
Dilution Factor		1	1	1	1	1	1

NOTES:
VOC - Volatile Organic Compound
PQLs - Practical Quantitation Limits
ND - Not Detected Above the PQL
- - No Sample Collected Due to Lack of Flow
* - Dilutions for these compounds
P - Purge Volume

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TABLE 6
Soil Gas Sample Results for VOCs
12922 Panama Street
Los Angeles, California

VOCs in Soil Vapor by EPA Method 8260B	Sample ID:	SV32-10	SV33-5	SV34-10	SV34-5	SV34-10	SV35-5
	Date:	5/8/2013	5/8/2013	5/8/2013	5/8/2013	5/8/2013	5/8/2013
	PQL (ug/L)	VOC Concentrations (ug/L)					
Benzene	0.010	ND	ND	ND	ND	ND	ND
Bromobenzene	0.010	ND	ND	ND	ND	ND	ND
Bromodichloromethane	0.010	ND	ND	ND	ND	ND	ND
Bromoform	0.010	ND	ND	ND	ND	ND	ND
n-Butylbenzene	0.010	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	0.010	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	0.010	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	0.010	ND	ND	ND	ND	ND	ND
Chlorobenzene	0.010	ND	ND	ND	ND	ND	ND
Chloroethane	0.010	ND	ND	ND	ND	ND	ND
Chloroform	0.010	ND	ND	ND	ND	ND	ND
Chloromethane	0.010	ND	ND	ND	ND	ND	ND
2-Chlorotoluene	0.010	ND	ND	ND	ND	ND	ND
4-Chlorotoluene	0.010	ND	ND	ND	ND	ND	ND
Dibromochloromethane	0.010	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	0.010	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane (EDB)	0.010	ND	ND	ND	ND	ND	ND
Dibromomethane	0.010	ND	ND	ND	ND	ND	ND
1,2- Dichlorobenzene	0.010	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	0.010	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	0.010	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	0.010	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	0.010	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	0.010	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	0.010	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	0.010	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	0.010	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	0.010	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	0.010	ND	ND	ND	ND	ND	ND
2,2-Dichloropropane	0.010	ND	ND	ND	ND	ND	ND
1,1-Dichloropropene	0.010	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	0.010	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	0.010	ND	ND	ND	ND	ND	ND
Ethylbenzene	0.010	ND	ND	ND	ND	ND	ND
Freon 113	0.010	2.29	2.79	0.913	ND	ND	3.33
Hexachlorobutadiene	0.010	ND	ND	ND	ND	ND	ND
Isopropylbenzene	0.010	ND	ND	ND	ND	ND	ND
4-Isopropyltoluene	0.010	ND	ND	ND	ND	ND	ND
Methylene chloride	0.010	ND	ND	ND	ND	ND	ND
Naphthalene	0.010	ND	ND	ND	ND	ND	ND
n-Propylbenzene	0.010	ND	ND	ND	ND	ND	ND
Styrene	0.010	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	0.010	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	0.010	ND	ND	ND	ND	ND	ND
Tetrachloroethylene (PCE)	0.010	0.301	ND	ND	ND	ND	0.863
Toluene	0.010	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	0.010	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	0.010	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	0.010	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	0.010	ND	ND	ND	ND	ND	ND
Trichloroethylene (TCE)	0.010	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	0.010	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	0.010	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	0.010	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	0.010	ND	ND	ND	ND	ND	ND
Vinyl chloride	0.010	ND	ND	ND	ND	ND	ND
Xylenes	0.010	ND	ND	ND	ND	ND	ND
MTBE	0.010	ND	ND	ND	ND	ND	ND
Ethyl-tert-butylether	0.010	ND	ND	ND	ND	ND	ND
Di-isopropylether	0.010	ND	ND	ND	ND	ND	ND
tert-amylmethylether	0.010	ND	ND	ND	ND	ND	ND
tert-Butylalcohol	0.050	ND	ND	ND	ND	ND	ND
Dilution Factor		1	1	1	1	1	1

NOTES:
VOC - Volatile Organic Compound
PQLs - Practical Quantitation Limits
ND - Not Detected Above the PQL
* - No Sample Collected Due to Lack of Flow
* - Dilutions for these compounds
P - Purge Volume

TABLE 6
Soil Gas Sample Results for VOCs
12922 Panama Street
Los Angeles, California

VOCs in Soil Vapor by EPA Method 8260B	Sample ID:	SV36-10	SV36-5	SV38-10	SV37-5	SV37-10	SV38-4
	Date:	5/8/2013	5/8/2013	5/8/2013	5/7/2013	5/7/2013	5/7/2013
	PQL (µg/L):	VOC Concentrations (µg/L)					
Benzene	0.010	ND	ND	ND	ND	ND	ND
Bromobenzene	0.010	ND	ND	ND	ND	ND	ND
Bromodichloromethane	0.010	ND	ND	ND	ND	ND	ND
Bromoform	0.010	ND	ND	ND	ND	ND	ND
n-Butylbenzene	0.010	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	0.010	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	0.010	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	0.010	ND	ND	ND	ND	ND	ND
Chlorobenzene	0.010	ND	ND	ND	ND	ND	ND
Chloroethane	0.010	ND	ND	ND	ND	ND	ND
Chloroform	0.010	ND	ND	ND	ND	ND	ND
Chloromethane	0.010	ND	ND	ND	ND	ND	ND
2-Chlorotoluene	0.010	ND	ND	ND	ND	ND	ND
4-Chlorotoluene	0.010	ND	ND	ND	ND	ND	ND
Dibromochloromethane	0.010	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	0.010	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane (EDB)	0.010	ND	ND	ND	ND	ND	ND
Dibromomethane	0.010	ND	ND	ND	ND	ND	ND
1,2- Dichlorobenzene	0.010	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	0.010	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	0.010	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	0.010	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	0.010	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	0.010	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	0.010	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	0.010	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	0.010	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	0.010	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	0.010	ND	ND	ND	ND	ND	ND
2,2-Dichloropropane	0.010	ND	ND	ND	ND	ND	ND
1,1-Dichloropropene	0.010	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	0.010	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	0.010	ND	ND	ND	ND	ND	ND
Ethylbenzene	0.010	ND	ND	ND	ND	ND	ND
Freon 113	0.010	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	0.010	ND	ND	ND	ND	ND	ND
Isopropylbenzene	0.010	ND	ND	ND	ND	ND	ND
4-Isopropyltoluene	0.010	ND	ND	ND	ND	ND	ND
Methylene chloride	0.010	ND	ND	ND	ND	ND	ND
Naphthalene	0.010	ND	ND	ND	ND	ND	ND
n-Propylbenzene	0.010	ND	ND	ND	ND	ND	ND
Styrene	0.010	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	0.010	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	0.010	ND	ND	ND	ND	ND	ND
Tetrachloroethylene (PCE)	0.010	ND	ND	ND	2.15	8.91	2.33
Toluene	0.010	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	0.010	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	0.010	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	0.010	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	0.010	ND	ND	ND	ND	ND	ND
Trichloroethylene (TCE)	0.010	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	0.010	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	0.010	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	0.010	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	0.010	ND	ND	ND	ND	ND	ND
Vinyl chloride	0.010	ND	ND	ND	ND	ND	ND
Xylenes	0.010	ND	ND	ND	ND	ND	ND
MTBE	0.010	ND	ND	ND	ND	ND	ND
Ethyl-tert-butylether	0.010	ND	ND	ND	ND	ND	ND
Di-isopropylether	0.010	ND	ND	ND	ND	ND	ND
tert-amylmethylether	0.010	ND	ND	ND	ND	ND	ND
tert-Butylalcohol	0.050	ND	ND	ND	ND	ND	ND
Dilution Factor		1	1	1	1	1	1

NOTES:
VOC - Volatile Organic Compound
PQLs - Practical Quantitation Limits
ND - Not Detected Above the PQL
* - No Sample Collected Due to Lack of Flow
* - Dilutions for these compounds
P - Purge Volume

TABLE 6
Soil Gas Sample Results for VOCs
12922 Panama Street
Los Angeles, California

VOCs in Soil Vapor by EPA Method 8260B	Sample ID	SV36-8	SV36-4	SV39-8	SV40-4	SV40-8	SV45-4
	Date	6/7/2013	6/7/2013	6/7/2013	6/10/2013	6/10/2013	6/7/2013
	PQL (ug/L)	VOC Concentrations (ug/m3)					
Benzene	0.010	ND	ND	ND	ND	ND	ND
Bromobenzene	0.010	ND	ND	ND	ND	ND	ND
Bromodichloromethane	0.010	ND	ND	ND	ND	ND	ND
Bromoform	0.010	ND	ND	ND	ND	ND	ND
n-Butylbenzene	0.010	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	0.010	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	0.010	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	0.010	ND	ND	ND	ND	ND	ND
Chlorobenzene	0.010	ND	ND	ND	ND	ND	ND
Chloroethane	0.010	ND	ND	ND	ND	ND	ND
Chloroform	0.010	ND	ND	ND	ND	ND	ND
Chloromethane	0.010	ND	ND	ND	ND	ND	ND
2-Chlorotoluene	0.010	ND	ND	ND	ND	ND	ND
4-Chlorotoluene	0.010	ND	ND	ND	ND	ND	ND
Dibromochloromethane	0.010	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	0.010	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane (EDB)	0.010	ND	ND	ND	ND	ND	ND
Dibromomethane	0.010	ND	ND	ND	ND	ND	ND
1,2- Dichlorobenzene	0.010	NO	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	0.010	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	0.010	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	0.010	ND	ND	ND	17.1	15.6	ND
1,1-Dichloroethane	0.010	ND	ND	ND	0.86	0.319	ND
1,2-Dichloroethane	0.010	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	0.010	ND	ND	ND	4.47	3.94	ND
cis-1,2-Dichloroethene	0.010	ND	0.267	2.73	69.6*	46.7*	74.0*
trans-1,2-Dichloroethene	0.010	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	0.010	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	0.010	ND	ND	ND	ND	ND	ND
2,2-Dichloropropane	0.010	ND	ND	ND	ND	ND	ND
1,1-Dichloropropene	0.010	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	0.010	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	0.010	ND	ND	ND	ND	ND	ND
Ethylbenzene	0.010	ND	ND	ND	ND	ND	ND
Freon 113	0.010	ND	6.65	284*	ND	ND	ND
Hexachlorobutadiene	0.010	ND	ND	ND	ND	ND	ND
Isopropylbenzene	0.010	ND	ND	ND	ND	ND	ND
4-Isopropyltoluene	0.010	ND	ND	ND	ND	ND	ND
Methylene chloride	0.010	ND	ND	ND	ND	ND	ND
Naphthalene	0.010	ND	ND	ND	ND	ND	ND
n-Propylbenzene	0.010	ND	ND	ND	ND	ND	ND
Styrene	0.010	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	0.010	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	0.010	ND	ND	ND	ND	ND	ND
Tetrachloroethylene (PCE)	0.010	7.49	0.083	10.6*	ND	0.293	0.206
Toluene	0.010	ND	ND	ND	0.488	1.01	ND
1,2,3-Trichlorobenzene	0.010	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	0.010	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	0.010	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	0.010	ND	ND	ND	ND	ND	ND
Trichloroethylene (TCE)	0.010	ND	0.5	13.1	5.46	8.66	0.074
Trichlorofluoromethane	0.010	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	0.010	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	0.010	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	0.010	ND	ND	0.041	ND	ND	ND
Vinyl chloride	0.010	ND	ND	ND	6.78	5.73	ND
Xylenes	0.010	ND	ND	ND	ND	ND	ND
MTBE	0.010	ND	ND	ND	ND	ND	ND
Ethyl-tert-butylether	0.010	ND	ND	ND	ND	ND	ND
Di-isopropylether	0.010	ND	ND	ND	ND	ND	ND
tert-amylmethylether	0.010	ND	ND	ND	ND	ND	ND
tert-Butylalcohol	0.050	ND	ND	ND	ND	ND	ND
Dilution Factor		1	1	1/50*	1/20*	1/20*	1/20*

NOTES:
VOC - Volatile Organic Compound
PQLs - Practical Quantitation Limits
ND - Not Detected Above the PQL
* - No Sample Collected Due to Lack of Flow
* - Dilutions for these compounds
P - Purge Volume

TABLE 6
Soil Gas Sample Results for VOCs
12922 Panama Street
Los Angeles, California

VOCs In Soil Vapor by EPA Method 8260B	Sample ID:	SV43-5	SV44-10	SV46-5	SV46-10	SV45-4	SV45-4 DUP
	Date:	5/7/2013	5/7/2013	5/8/2013	5/10/2013	5/10/2013	5/10/2013
	PQL (µg/L)	VOC Concentrations (µg/L)					
Benzene	0.010	ND	ND	ND	ND	ND	ND
Bromobenzene	0.010	ND	ND	ND	ND	ND	ND
Bromodichloromethane	0.010	ND	ND	ND	ND	ND	ND
Bromoform	0.010	ND	ND	ND	ND	ND	ND
n-Butylbenzene	0.010	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	0.010	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	0.010	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	0.010	ND	ND	ND	ND	ND	ND
Chlorobenzene	0.010	ND	ND	ND	ND	ND	ND
Chloroethane	0.010	ND	ND	ND	ND	ND	ND
Chloroform	0.010	ND	ND	ND	ND	ND	ND
Chloromethane	0.010	ND	ND	ND	ND	ND	ND
2-Chlorotoluene	0.010	ND	ND	ND	ND	ND	ND
4-Chlorotoluene	0.010	ND	ND	ND	ND	ND	ND
Dibromochloromethane	0.010	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	0.010	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane (EDB)	0.010	ND	ND	ND	ND	ND	ND
Dibromomethane	0.010	ND	ND	ND	ND	ND	ND
1,2- Dichlorobenzene	0.010	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	0.010	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	0.010	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	0.010	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	0.010	0.365	ND	ND	ND	ND	ND
1,2-Dichloroethane	0.010	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	0.010	1.06	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	0.010	329*	88.0*	105*	212*	0.159	0.494
trans-1,2-Dichloroethene	0.010	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	0.010	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	0.010	ND	ND	ND	ND	ND	ND
2,2-Dichloropropane	0.010	ND	ND	ND	ND	ND	ND
1,1-Dichloropropene	0.010	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	0.010	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	0.010	ND	ND	ND	ND	ND	ND
Ethylbenzene	0.010	ND	ND	ND	ND	ND	ND
Freon 113	0.010	ND	ND	ND	ND	5.73	5.91
Hexachlorobutadiene	0.010	ND	ND	ND	ND	ND	ND
Isopropylbenzene	0.010	ND	ND	ND	ND	ND	ND
4-Isopropyltoluene	0.010	ND	ND	ND	ND	ND	ND
Methylene chloride	0.010	ND	ND	ND	ND	ND	ND
Naphthalene	0.010	ND	ND	ND	ND	ND	ND
n-Propylbenzene	0.010	ND	ND	ND	ND	ND	ND
Styrene	0.010	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	0.010	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	0.010	ND	ND	ND	ND	ND	ND
Tetrachloroethylene (PCE)	0.010	2.46	5.97	0.055	0.714	24.7	24
Toluene	0.010	ND	ND	0.545	0.553	0.384	0.378
1,2,3-Trichlorobenzene	0.010	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	0.010	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	0.010	ND	ND	ND	ND	0.168	0.18
1,1,2-Trichloroethane	0.010	ND	ND	ND	ND	ND	ND
Trichloroethylene (TCE)	0.010	10.3	8.95	10.7	19.1	10.6	11.1
Trichlorofluoromethane	0.010	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	0.010	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	0.010	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	0.010	ND	ND	ND	ND	ND	ND
Vinyl chloride	0.010	2.34	ND	.23	21.5	ND	ND
Xylenes	0.010	ND	ND	ND	ND	ND	ND
MTBE	0.010	ND	ND	ND	ND	ND	ND
Ethyl-tert-butylether	0.010	ND	ND	ND	ND	ND	ND
Di-isopropylether	0.010	ND	ND	ND	ND	ND	ND
tert-amylmethylether	0.010	ND	ND	ND	ND	ND	ND
tert-Butylalcohol	0.050	ND	ND	ND	ND	ND	ND
Dilution Factor		1/50*	1/20*	1/20*	1/50*	1	1

NOTES:
VOC - Volatile Organic Compound
PQLs - Practical Quantitation Limits
ND - Not Detected Above the PQL
* - No Sample Collected Due to Lack of Flow
* - Dilutions for these compounds
P - Purge Volume

TABLE 6
Soil Gas Sample Results for VOCs
12922 Panama Street
Los Angeles, California

VOCs in Soil Vapor by EPA Method 8260B	Sample ID	SV46-5'	SV47-5'	SV47-10'	SV48-4'	SV48-8'	SV49-4'
	Date	6/10/2013	6/3/2013	6/3/2013	6/7/2013	6/3/2013	6/3/2013
	PQL (µg/L)	VOC Concentrations (µg/L)					
Benzene	0.010	ND	ND	ND	ND	ND	ND
Bromobenzene	0.010	ND	ND	ND	ND	ND	ND
Bromodichloromethane	0.010	ND	ND	ND	ND	ND	ND
Bromoform	0.010	ND	ND	ND	ND	ND	ND
n-Butylbenzene	0.010	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	0.010	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	0.010	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	0.010	ND	ND	ND	ND	ND	ND
Chlorobenzene	0.010	ND	ND	ND	ND	ND	ND
Chloroethane	0.010	ND	ND	ND	ND	ND	ND
Chloroform	0.010	ND	ND	ND	0.034	ND	ND
Chloromethane	0.010	ND	ND	ND	ND	ND	ND
2-Chlorotoluene	0.010	ND	ND	ND	ND	ND	ND
4-Chlorotoluene	0.010	ND	ND	ND	ND	ND	ND
Dibromochloromethane	0.010	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	0.010	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane (EDB)	0.010	ND	ND	ND	ND	ND	ND
Dibromomethane	0.010	ND	ND	ND	ND	ND	ND
1,2- Dichlorobenzene	0.010	ND	1.04*	0.101	ND	ND	ND
1,3-Dichlorobenzene	0.010	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	0.010	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	0.010	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	0.010	ND	ND	ND	ND	6.62*	ND
1,2-Dichloroethane	0.010	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	0.010	ND	0.233	ND	ND	0.063	ND
cis-1,2-Dichloroethene	0.010	0.785	24.9*	22.9*	57.8*	65.3*	ND
trans-1,2-Dichloroethene	0.010	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	0.010	ND	1.79	1.79	36.6*	36.5*	ND
1,3-Dichloropropane	0.010	ND	ND	ND	ND	ND	ND
2,2-Dichloropropane	0.010	ND	ND	ND	ND	ND	ND
1,1-Dichloropropene	0.010	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	0.010	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	0.010	ND	ND	ND	ND	ND	ND
Ethylbenzene	0.010	ND	ND	ND	ND	ND	ND
Freon 113	0.010	10.8	0.033	0.268	9.96	14	8.43
Hexachlorobutadiene	0.010	ND	ND	ND	ND	ND	ND
Isopropylbenzene	0.010	ND	ND	ND	ND	ND	ND
4-Isopropyltoluene	0.010	ND	ND	ND	ND	ND	ND
Methylene chloride	0.010	ND	ND	ND	ND	ND	ND
Naphthalene	0.010	ND	ND	ND	ND	ND	ND
n-Propylbenzene	0.010	ND	ND	ND	ND	ND	ND
Styrene	0.010	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	0.010	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	0.010	ND	ND	ND	ND	ND	ND
Tetrachloroethylene (PCE)	0.010	6.61	11.0*	4.59*	247*	212*	34.7
Toluene	0.010	0.168	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	0.010	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	0.010	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	0.010	0.294	ND	ND	0.043	ND	0.67
1,1,2-Trichloroethane	0.010	ND	ND	ND	ND	ND	ND
Trichloroethylene (TCE)	0.010	10.1	104*	68.7*	127	98.3*	2.74
Trichlorofluoromethane	0.010	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	0.010	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	0.010	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	0.010	ND	ND	ND	ND	ND	ND
Vinyl chloride	0.010	ND	ND	ND	ND	ND	ND
Xylenes	0.010	ND	ND	ND	ND	ND	ND
MTBE	0.010	ND	ND	ND	ND	ND	ND
Ethyl-tert-butylether	0.010	ND	ND	ND	ND	ND	ND
Di-isopropylether	0.010	ND	ND	ND	ND	ND	ND
tert-amylmethylether	0.010	ND	ND	ND	ND	ND	ND
tert-Butylalcohol	0.050	ND	ND	ND	ND	ND	ND
Dilution Factor		1	1/10*	1/10*	1/20*	1/20*	1

NOTES:
VOC - Volatile Organic Compound
PQLs - Practical Quantitation Limits
ND - Not Detected Above the PQL
* - No Sample Collected Due to Lack of Flow
* - Dilutions for these compounds
P - Purge Volume

TABLE 6
Soil Gas Sample Results for VOCs
12922 Panama Street
Los Angeles, California

VOCs in Soil Vapor by EPA Method 8260B	Sample ID	SV49-8'	SV50-4	SV50-8	SV51-4	SV51-4 DUP	SV51-8
	Date	5/3/2013	8/7/2013	8/7/2013	8/7/2013	8/7/2013	8/7/2013
	PQL (µg/L)	VOC Concentrations (µg/L)					
Benzene	0.010	ND	ND	ND	ND	ND	ND
Bromobenzene	0.010	ND	ND	ND	ND	ND	ND
Bromodichloromethane	0.010	ND	ND	ND	ND	ND	ND
Bromoform	0.010	ND	ND	ND	ND	ND	ND
n-Butylbenzene	0.010	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	0.010	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	0.010	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	0.010	ND	ND	ND	ND	ND	ND
Chlorobenzene	0.010	ND	ND	ND	ND	ND	ND
Chloroethane	0.010	ND	ND	ND	ND	ND	ND
Chloroform	0.010	ND	ND	ND	ND	ND	ND
Chloromethane	0.010	ND	ND	ND	ND	ND	ND
2-Chlorotoluene	0.010	ND	ND	ND	ND	ND	ND
4-Chlorotoluene	0.010	ND	ND	ND	ND	ND	ND
Dibromochloromethane	0.010	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	0.010	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane (EDB)	0.010	ND	ND	ND	ND	ND	ND
Dibromomethane	0.010	ND	ND	ND	ND	ND	ND
1,2- Dichlorobenzene	0.010	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	0.010	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	0.010	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	0.010	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	0.010	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	0.010	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	0.010	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	0.010	ND	ND	0.293	ND	ND	ND
trans-1,2-Dichloroethene	0.010	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	0.010	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	0.010	ND	ND	ND	ND	ND	ND
2,2-Dichloropropane	0.010	ND	ND	ND	ND	ND	ND
1,1-Dichloropropene	0.010	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	0.010	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	0.010	ND	ND	ND	ND	ND	ND
Ethylbenzene	0.010	ND	ND	ND	ND	ND	ND
Freon 113	0.010	ND	3.21	16.6	17.5	16.4	80.7
Hexachlorobutadiene	0.010	ND	ND	ND	ND	ND	ND
Isopropylbenzene	0.010	ND	ND	ND	ND	ND	ND
4-Isopropyltoluene	0.010	ND	ND	ND	ND	ND	ND
Methylene chloride	0.010	ND	ND	ND	ND	ND	ND
Naphthalene	0.010	ND	ND	ND	ND	ND	ND
n-Propylbenzene	0.010	ND	ND	ND	ND	ND	ND
Styrene	0.010	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	0.010	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	0.010	ND	ND	ND	ND	ND	ND
Tetrachloroethylene (PCE)	0.010	35.3	ND	7.57	1.07	1.15	11.2
Toluene	0.010	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	0.010	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	0.010	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	0.010	0.645	ND	0.209	0.99	0.949	ND
1,1,2-Trichloroethane	0.010	ND	ND	ND	ND	ND	ND
Trichloroethylene (TCE)	0.010	2.69	ND	0.263	0.112	0.125	3.06
Trichlorofluoromethane	0.010	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	0.010	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	0.010	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	0.010	ND	ND	ND	ND	ND	ND
Vinyl chloride	0.010	ND	ND	ND	ND	ND	ND
Xylenes	0.010	ND	ND	ND	ND	ND	ND
MTBE	0.010	ND	ND	ND	ND	ND	ND
Ethyl-tert-butylether	0.010	ND	ND	ND	ND	ND	ND
Di-isopropylether	0.010	ND	ND	ND	ND	ND	ND
tert-amylmethylether	0.010	ND	ND	ND	ND	ND	ND
tert-Butylalcohol	0.050	ND	ND	ND	ND	ND	ND
Dilution Factor		1	1	1	1	1	1/20*

NOTES:
VOC - Volatile Organic Compound
PQLs - Practical Quantitation Limits
ND - Not Detected Above the PQL
- - No Sample Collected Due to Lack of Flow
* - Dilutions for these compounds
P - Purge Volume

TABLE 6
Soil Gas Sample Results for VOCs
12922 Panama Street
Los Angeles, California

VOCs in Soil Vapor by EPA Method 8260B	Sample ID:	SV52-4	SV52-8	SV53-4'	SV53-8'	SV54-5'	SV54-10'
	Date:	6/7/2013	6/7/2013	6/10/2013	10/1900	6/3/2013	6/3/2013
	PQL (µg/L):	VOC Concentrations (µg/L)					
Benzene	0.010	•	•	ND	•	ND	ND
Bromobenzene	0.010	•	•	ND	•	ND	ND
Bromodichloromethane	0.010	•	•	ND	•	ND	ND
Bromoform	0.010	•	•	ND	•	ND	ND
n-Butylbenzene	0.010	•	•	ND	•	ND	ND
sec-Butylbenzene	0.010	•	•	ND	•	ND	ND
tert-Butylbenzene	0.010	•	•	ND	•	ND	ND
Carbon tetrachloride	0.010	•	•	ND	•	ND	ND
Chlorobenzene	0.010	•	•	ND	•	ND	ND
Chloroethane	0.010	•	•	ND	•	ND	ND
Chloroform	0.010	•	•	ND	•	ND	ND
Chloromethane	0.010	•	•	ND	•	ND	ND
2-Chlorotoluene	0.010	•	•	ND	•	ND	ND
4-Chlorotoluene	0.010	•	•	ND	•	ND	ND
Dibromochloromethane	0.010	•	•	ND	•	ND	ND
1,2-Dibromo-3-chloropropane	0.010	•	•	ND	•	ND	ND
1,2-Dibromoethane (EDB)	0.010	•	•	ND	•	ND	ND
Dibromomethane	0.010	•	•	ND	•	ND	ND
1,2- Dichlorobenzene	0.010	•	•	ND	•	1.49*	2.13*
1,3-Dichlorobenzene	0.010	•	•	ND	•	ND	ND
1,4-Dichlorobenzene	0.010	•	•	ND	•	ND	ND
Dichlorodifluoromethane	0.010	•	•	ND	•	ND	ND
1,1-Dichloroethane	0.010	•	•	ND	•	ND	7.88
1,2-Dichloroethane	0.010	•	•	ND	•	ND	ND
1,1-Dichloroethene	0.010	•	•	ND	•	0.533	0.641
cis-1,2-Dichloroethene	0.010	•	•	11.3	•	102*	60.6*
trans-1,2-Dichloroethene	0.010	•	•	ND	•	ND	ND
1,2-Dichloropropane	0.010	•	•	ND	•	18.2*	17.7*
1,3-Dichloropropane	0.010	•	•	ND	•	ND	ND
2,2-Dichloropropane	0.010	•	•	ND	•	ND	ND
1,1-Dichloropropene	0.010	•	•	ND	•	ND	ND
cis-1,3-Dichloropropene	0.010	•	•	ND	•	ND	ND
trans-1,3-Dichloropropene	0.010	•	•	ND	•	ND	ND
Ethylbenzene	0.010	•	•	ND	•	ND	ND
Freon 113	0.010	•	•	0.436	•	95.6*	99.3*
Hexachlorobutadiene	0.010	•	•	ND	•	ND	ND
Isopropylbenzene	0.010	•	•	ND	•	ND	ND
4-Isopropyltoluene	0.010	•	•	ND	•	ND	ND
Methylene chloride	0.010	•	•	ND	•	ND	ND
Naphthalene	0.010	•	•	ND	•	ND	ND
n-Propylbenzene	0.010	•	•	ND	•	ND	ND
Styrene	0.010	•	•	ND	•	ND	ND
1,1,1,2-Tetrachloroethane	0.010	•	•	ND	•	ND	ND
1,1,2,2-Tetrachloroethane	0.010	•	•	ND	•	ND	ND
Tetrachloroethylene (PCE)	0.010	•	•	0.548	•	10.3*	8.00*
Toluene	0.010	•	•	0.486	•	ND	ND
1,2,3-Trichlorobenzene	0.010	•	•	ND	•	ND	ND
1,2,4-Trichlorobenzene	0.010	•	•	ND	•	ND	ND
1,1,1-Trichloroethane	0.010	•	•	ND	•	ND	ND
1,1,2-Trichloroethane	0.010	•	•	ND	•	ND	ND
Trichloroethylene (TCE)	0.010	•	•	10.8	•	19.1*	12.2*
Trichlorofluoromethane	0.010	•	•	ND	•	ND	ND
1,2,3-Trichloropropane	0.010	•	•	ND	•	ND	ND
1,2,4-Trimethylbenzene	0.010	•	•	ND	•	ND	ND
1,3,5-Trimethylbenzene	0.010	•	•	ND	•	ND	ND
Vinyl chloride	0.010	•	•	ND	•	0.368	ND
Xylenes	0.010	•	•	ND	•	ND	ND
MTBE	0.010	•	•	ND	•	ND	ND
Ethyl-tert-butylether	0.010	•	•	ND	•	ND	ND
Di-isopropylether	0.010	•	•	ND	•	ND	ND
tert-amylmethylether	0.010	•	•	ND	•	ND	ND
tert-Butylalcohol	0.050	•	•	ND	•	ND	ND
Dilution Factor		•	•	1	•	1/10*	1/10*

NOTES:
VOC - Volatile Organic Compound
PQLs - Practical Quantitation Limits
ND - Not Detected Above the PQL
• - No Sample Collected Due to Lack of Flow
* - Dilutions for these compounds
P - Purge Volume

TABLE 6
Soil Gas Sample Results for VOCs
12922 Panama Street
Los Angeles, California

VOCs in Soil Vapor by EPA Method 8260B	Sample ID	SV55-4	SV55-5	SV55-6	SV55-10'	SV55-10 DUP	SV57-4'
	Date	6/10/2013	6/10/2013	6/3/2013	6/3/2013	6/3/2013	6/10/2013
	PQL (ug/L)	VOC Concentrations (ug/L)					
Benzene	0.010	ND	ND	ND	ND	ND	ND
Bromobenzene	0.010	ND	ND	ND	ND	ND	ND
Bromodichloromethane	0.010	ND	ND	ND	ND	ND	ND
Bromoform	0.010	ND	ND	ND	ND	ND	ND
n-Butylbenzene	0.010	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	0.010	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	0.010	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	0.010	ND	ND	ND	ND	ND	ND
Chlorobenzene	0.010	ND	ND	ND	ND	ND	ND
Chloroethane	0.010	ND	ND	ND	ND	ND	ND
Chloroform	0.010	ND	ND	ND	ND	ND	ND
Chloromethane	0.010	ND	ND	ND	ND	ND	ND
2-Chlorotoluene	0.010	ND	ND	ND	ND	ND	ND
4-Chlorotoluene	0.010	ND	ND	ND	ND	ND	ND
Dibromochloromethane	0.010	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	0.010	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane (EDB)	0.010	ND	ND	ND	ND	ND	ND
Dibromomethane	0.010	ND	ND	ND	ND	ND	ND
1,2- Dichlorobenzene	0.010	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	0.010	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	0.010	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	0.010	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	0.010	2.2	ND	ND	ND	ND	ND
1,2-Dichloroethane	0.010	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	0.010	ND	1.9	ND	ND	ND	ND
cis-1,2-Dichloroethene	0.010	120*	269*	ND	ND	ND	0.034
trans-1,2-Dichloroethene	0.010	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	0.010	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	0.010	ND	ND	ND	ND	ND	ND
2,2-Dichloropropane	0.010	ND	ND	ND	ND	ND	ND
1,1-Dichloropropene	0.010	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	0.010	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	0.010	ND	ND	ND	ND	ND	ND
Ethylbenzene	0.010	ND	ND	ND	ND	ND	ND
Freon 113	0.010	0.793	0.139	3.62	4.1	3.99	ND
Hexachlorobutadiene	0.010	ND	ND	ND	ND	ND	ND
Isopropylbenzene	0.010	ND	ND	ND	ND	ND	ND
4-Isopropyltoluene	0.010	ND	ND	ND	ND	ND	ND
Methylene chloride	0.010	ND	ND	ND	ND	ND	ND
Naphthalene	0.010	ND	ND	ND	ND	ND	ND
n-Propylbenzene	0.010	ND	ND	ND	ND	ND	ND
Styrene	0.010	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	0.010	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	0.010	ND	ND	ND	ND	ND	ND
Tetrachloroethylene (PCE)	0.010	ND	0.098	0.378	0.431	0.428	4.52
Toluene	0.010	0.645	0.09	ND	ND	ND	0.032
1,2,3-Trichlorobenzene	0.010	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	0.010	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	0.010	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	0.010	ND	ND	ND	ND	ND	ND
Trichloroethylene (TCE)	0.010	ND	19.3	2.29	2.34	2.26	0.046
Trichlorofluoromethane	0.010	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	0.010	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	0.010	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	0.010	ND	ND	ND	ND	ND	ND
Vinyl chloride	0.010	ND	5.49	ND	ND	ND	ND
Xylenes	0.010	ND	ND	ND	ND	ND	ND
MTBE	0.010	ND	ND	ND	ND	ND	ND
Ethyl-tert-butylether	0.010	ND	ND	ND	ND	ND	ND
Di-isopropylether	0.010	ND	ND	ND	ND	ND	ND
tert-amylmethylether	0.010	ND	ND	ND	ND	ND	ND
tert-Butylalcohol	0.050	ND	ND	ND	ND	ND	ND
Dilution Factor		1/100*	1/100*	1	1	1	1

NOTES:
VOC - Volatile Organic Compound
PQLs - Practical Quantitation Limits
ND - Not Detected Above the PQL
* - No Sample Collected Due to Lack of Flow
* - Dilutions for these compounds
P - Purge Volume

TABLE 6
Soil Gas Sample Results for VOCs
12922 Panama Street
Los Angeles, California

VOCs in Soil Vapor by EPA Method 8260B	Sample ID	SV67-5 P	SB58 5'	SV58 10'	SV6 5'	SV61-10'	SV62-5'
	Date	6/10/2013	6/10/2013	6/10/2013	6/3/13	6/3/2013	6/3/2013
	PQL (ug/L)	VOC Concentrations (ug/L)					
Benzene	0.010	ND	ND	ND	ND	ND	ND
Bromobenzene	0.010	ND	ND	ND	ND	ND	ND
Bromodichloromethane	0.010	ND	ND	ND	ND	ND	ND
Bromoform	0.010	ND	ND	ND	ND	ND	ND
n-Butylbenzene	0.010	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	0.010	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	0.010	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	0.010	ND	ND	ND	ND	ND	ND
Chlorobenzene	0.010	ND	ND	ND	ND	ND	ND
Chloroethane	0.010	ND	ND	ND	ND	ND	ND
Chloroform	0.010	ND	ND	ND	ND	ND	ND
Chloromethane	0.010	ND	ND	ND	ND	ND	ND
2-Chlorotoluene	0.010	ND	ND	ND	ND	ND	ND
4-Chlorotoluene	0.010	ND	ND	ND	ND	ND	ND
Dibromochloromethane	0.010	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	0.010	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane (EDB)	0.010	ND	ND	ND	ND	ND	ND
Dibromomethane	0.010	ND	ND	ND	ND	ND	ND
1,2- Dichlorobenzene	0.010	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	0.010	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	0.010	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	0.010	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	0.010	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	0.010	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	0.010	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	0.010	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	0.010	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	0.010	2.97	ND	ND	ND	ND	ND
1,3-Dichloropropane	0.010	ND	ND	ND	ND	ND	ND
2,2-Dichloropropane	0.010	ND	ND	ND	ND	ND	ND
1,1-Dichloropropene	0.010	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	0.010	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	0.010	ND	ND	ND	ND	ND	ND
Ethylbenzene	0.010	ND	ND	ND	ND	ND	ND
Freon 113	0.010	ND	0.272	0.466	ND	ND	0.374
Hexachlorobutadiene	0.010	ND	ND	ND	ND	ND	ND
Isopropylbenzene	0.010	ND	ND	ND	ND	ND	ND
4-Isopropyltoluene	0.010	ND	ND	ND	ND	ND	ND
Methylene chloride	0.010	ND	ND	ND	ND	ND	ND
Naphthalene	0.010	ND	ND	ND	ND	ND	ND
n-Propylbenzene	0.010	ND	ND	ND	ND	ND	ND
Styrene	0.010	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	0.010	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	0.010	ND	ND	ND	ND	ND	ND
Tetrachloroethylene (PCE)	0.010	1.52	2.12	2.02	3.89	9.78	17.4
Toluene	0.010	0.098	0.096	0.117	ND	ND	ND
1,2,3-Trichlorobenzene	0.010	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	0.010	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	0.010	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	0.010	ND	ND	ND	ND	ND	ND
Trichloroethylene (TCE)	0.010	0.046	ND	ND	ND	ND	6.43
Trichlorofluoromethane	0.010	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	0.010	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	0.010	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	0.010	ND	ND	ND	ND	ND	ND
Vinyl chloride	0.010	ND	ND	ND	ND	ND	ND
Xylenes	0.010	ND	ND	ND	ND	ND	ND
MTBE	0.010	ND	ND	ND	ND	ND	ND
Ethyl-tert-butylether	0.010	ND	ND	ND	ND	ND	ND
Di-isopropylether	0.010	ND	ND	ND	ND	ND	ND
tert-amylmethylether	0.010	ND	ND	ND	ND	ND	ND
tert-Butylalcohol	0.050	ND	ND	ND	ND	ND	ND
Dilution Factor		1	1	1	1	1	1

NOTES:
VOC - Volatile Organic Compound
PQLs - Practical Quantitation Limits
ND - Not Detected Above the PQL
* - No Sample Collected Due to Lack of Flow
* - Dilutions for these compounds
P - Purge Volume

TABLE 6
Soil Gas Sample Results for VOCs
12922 Panama Street
Los Angeles, California

VOCs in Soil Vapor by EPA Method 8260B	Sample ID	SV62-10'	SV63-5'	SV63-5' DUP	SV63-10'	SV67-5'	SV67-10'
	Date	6/3/2013	6/13/2013	6/13/2013	6/13/2013	7/1/2013	7/1/2013
	PQL (ug/L)	VOC Concentrations (ug/L)					
Benzene	0.010	ND	ND	ND	•	ND	ND
Bromobenzene	0.010	ND	ND	ND	•	ND	ND
Bromodichloromethane	0.010	ND	ND	ND	•	ND	ND
Bromoform	0.010	ND	ND	ND	•	ND	ND
n-Butylbenzene	0.010	ND	ND	ND	•	ND	ND
sec-Butylbenzene	0.010	ND	ND	ND	•	ND	ND
tert-Butylbenzene	0.010	ND	ND	ND	•	ND	ND
Carbon tetrachloride	0.010	ND	ND	ND	•	ND	ND
Chlorobenzene	0.010	ND	ND	ND	•	ND	ND
Chloroethane	0.010	ND	ND	ND	•	ND	ND
Chloroform	0.010	ND	ND	ND	•	0.044	0.044
Chloromethane	0.010	ND	ND	ND	•	ND	ND
2-Chlorotoluene	0.010	ND	ND	ND	•	ND	ND
4-Chlorotoluene	0.010	ND	ND	ND	•	ND	ND
Dibromochloromethane	0.010	ND	ND	ND	•	ND	ND
1,2-Dibromo-3-chloropropane	0.010	ND	ND	ND	•	ND	ND
1,2-Dibromoethane (EDB)	0.010	ND	ND	ND	•	ND	ND
Dibromomethane	0.010	ND	ND	ND	•	ND	ND
1,2- Dichlorobenzene	0.010	ND	ND	ND	•	ND	ND
1,3-Dichlorobenzene	0.010	ND	ND	ND	•	ND	ND
1,4-Dichlorobenzene	0.010	ND	ND	ND	•	ND	ND
Dichlorodifluoromethane	0.010	ND	ND	ND	•	ND	ND
1,1-Dichloroethane	0.010	ND	ND	ND	•	ND	ND
1,2-Dichloroethane	0.010	ND	ND	ND	•	ND	ND
1,1-Dichloroethene	0.010	ND	ND	ND	•	0.222	0.425
cis-1,2-Dichloroethene	0.010	ND	ND	ND	•	3.98	7.88
trans-1,2-Dichloroethene	0.010	ND	ND	ND	•	8.57	11.9
1,2-Dichloropropane	0.010	ND	ND	ND	•	ND	ND
1,3-Dichloropropane	0.010	ND	ND	ND	•	ND	ND
2,2-Dichloropropane	0.010	ND	ND	ND	•	ND	ND
1,1-Dichloropropene	0.010	ND	ND	ND	•	ND	ND
cis-1,3-Dichloropropene	0.010	ND	ND	ND	•	ND	ND
trans-1,3-Dichloropropene	0.010	ND	ND	ND	•	ND	ND
Ethylbenzene	0.010	ND	ND	ND	•	ND	ND
Freon 113	0.010	0.326	ND	ND	•	ND	0.052
Hexachlorobutadiene	0.010	ND	ND	ND	•	ND	ND
Isopropylbenzene	0.010	ND	ND	ND	•	ND	ND
4-Isopropyltoluene	0.010	ND	ND	ND	•	ND	ND
Methylene chloride	0.010	ND	ND	ND	•	ND	ND
Naphthalene	0.010	ND	ND	ND	•	ND	ND
n-Propylbenzene	0.010	ND	ND	ND	•	ND	ND
Styrene	0.010	ND	ND	ND	•	ND	ND
1,1,1,2-Tetrachloroethane	0.010	ND	ND	ND	•	ND	ND
1,1,2,2-Tetrachloroethane	0.010	ND	ND	ND	•	ND	ND
Tetrachloroethylene (PCE)	0.010	13.8	ND	ND	•	4.18	5.04
Toluene	0.010	ND	ND	ND	•	ND	ND
1,2,3-Trichlorobenzene	0.010	ND	ND	ND	•	ND	ND
1,2,4-Trichlorobenzene	0.010	ND	ND	ND	•	ND	ND
1,1,1-Trichloroethane	0.010	ND	ND	ND	•	ND	ND
1,1,2-Trichloroethane	0.010	ND	ND	ND	•	ND	ND
Trichloroethylene (TCE)	0.010	3.83	ND	ND	•	10.1	14.2
Trichlorofluoromethane	0.010	ND	ND	ND	•	ND	ND
1,2,3-Trichloropropane	0.010	ND	ND	ND	•	ND	ND
1,2,4-Trimethylbenzene	0.010	ND	ND	ND	•	ND	ND
1,3,5-Trimethylbenzene	0.010	ND	ND	ND	•	ND	ND
Vinyl chloride	0.010	ND	ND	ND	•	ND	ND
Xylenes	0.010	ND	ND	ND	•	ND	ND
MTBE	0.010	ND	ND	ND	•	ND	ND
Ethyl-tert-butylether	0.010	ND	ND	ND	•	ND	ND
Di-isopropylether	0.010	ND	ND	ND	•	ND	ND
tert-amylmethylether	0.010	ND	ND	ND	•	ND	ND
tert-Butylalcohol	0.050	ND	ND	ND	•	ND	ND
Dilution Factor		1	1	1	•	1	1

NOTES:
VOC - Volatile Organic Compound
PQLs - Practical Quantitation Limits
ND - Not Detected Above the PQL
• - No Sample Collected Due to Lack of Flow
* - Dilutions for these compounds
P - Purge Volume

TABLE 6
Soil Gas Sample Results for VOCs
12922 Panama Street
Los Angeles, California

VOCs in Soil Vapor by EPA Method 8260B	Sample ID	SV67-10' DUP	SV68-5'	SV69-5	SV69-10'
	Date	7/1/2013	7/1/2013	7/1/2013	7/1/2013
	PQL (ug/L)	VOC Concentrations (ug/L)			
Benzene	0.010	ND	ND	ND	ND
Bromobenzene	0.010	ND	ND	ND	ND
Bromodichloromethane	0.010	ND	ND	ND	ND
Bromoform	0.010	ND	ND	ND	ND
n-Butylbenzene	0.010	ND	ND	ND	ND
sec-Butylbenzene	0.010	ND	ND	ND	ND
tert-Butylbenzene	0.010	ND	ND	ND	ND
Carbon tetrachloride	0.010	ND	ND	ND	ND
Chlorobenzene	0.010	ND	ND	ND	ND
Chloroethane	0.010	ND	ND	ND	ND
Chloroform	0.010	ND	ND	ND	ND
Chloromethane	0.010	ND	ND	ND	ND
2-Chlorotoluene	0.010	ND	ND	ND	ND
4-Chlorotoluene	0.010	ND	ND	ND	ND
Dibromochloromethane	0.010	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	0.010	ND	ND	ND	ND
1,2-Dibromoethane (EDB)	0.010	ND	ND	ND	ND
Dibromomethane	0.010	ND	ND	ND	ND
1,2- Dichlorobenzene	0.010	ND	ND	ND	ND
1,3-Dichlorobenzene	0.010	ND	ND	ND	ND
1,4-Dichlorobenzene	0.010	ND	ND	ND	ND
Dichlorodifluoromethane	0.010	ND	ND	ND	ND
1,1-Dichloroethane	0.010	ND	ND	ND	ND
1,2-Dichloroethane	0.010	ND	ND	ND	ND
1,1-Dichloroethene	0.010	0.294	ND	ND	ND
cis-1,2-Dichloroethene	0.010	6.88	ND	ND	ND
trans-1,2-Dichloroethene	0.010	9.99	ND	ND	ND
1,2-Dichloropropane	0.010	ND	ND	ND	ND
1,3-Dichloropropane	0.010	ND	ND	ND	ND
2,2-Dichloropropane	0.010	ND	ND	ND	ND
1,1-Dichloropropene	0.010	ND	ND	ND	ND
cis-1,3-Dichloropropene	0.010	ND	ND	ND	ND
trans-1,3-Dichloropropene	0.010	ND	ND	ND	ND
Ethylbenzene	0.010	ND	ND	ND	ND
Freon 113	0.010	0.024	0.098	ND	ND
Hexachlorobutadiene	0.010	ND	ND	ND	ND
Isopropylbenzene	0.010	ND	ND	ND	ND
4-Isopropyltoluene	0.010	ND	ND	ND	ND
Methylene chloride	0.010	ND	ND	ND	ND
Naphthalene	0.010	ND	ND	ND	ND
n-Propylbenzene	0.010	ND	ND	ND	ND
Styrene	0.010	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	0.010	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	0.010	ND	ND	ND	ND
Tetrachloroethylene (PCE)	0.010	4.29	7.66	22.3	43.6*
Toluene	0.010	ND	ND	ND	ND
1,2,3-Trichlorobenzene	0.010	ND	ND	ND	ND
1,2,4-Trichlorobenzene	0.010	ND	ND	ND	ND
1,1,1-Trichloroethane	0.010	0.035	ND	ND	ND
1,1,2-Trichloroethane	0.010	ND	ND	ND	ND
Trichloroethylene (TCE)	0.010	12.6	0.145	0.492	1.14
Trichlorofluoromethane	0.010	ND	ND	ND	ND
1,2,3-Trichloropropane	0.010	ND	ND	ND	ND
1,2,4-Trimethylbenzene	0.010	ND	ND	ND	ND
1,3,5-Trimethylbenzene	0.010	ND	ND	ND	ND
Vinyl chloride	0.010	ND	ND	ND	ND
Xylenes	0.010	ND	ND	ND	ND
MTBE	0.010	ND	ND	ND	ND
Ethyl-tert-butylether	0.010	ND	ND	ND	ND
Di-isopropylether	0.010	ND	ND	ND	ND
tert-amylmethylether	0.010	ND	ND	ND	ND
tert-Butylalcohol	0.050	ND	ND	ND	ND
Dilution Factor		1	1	1	1/5*

NOTES:
VOC - Volatile Organic Compound
PQLs - Practical Quantitation Limits
ND - Not Detected Above the PQL
- - No Sample Collected Due to Lack of Flow
* - Dilutions for these compounds
P - Purge Volume

TABLE 7
Water Sample Results for Title 22 Metals
12922 Panama Street
Los Angeles, California

Sample ID	Sample Date	Title 22 Metals by EPA Method 6010B/7471A (mg/L) in Water																
		Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc	Mercury
PQL (mg/L):		0.0100	0.0100	0.0100	0.0050	0.0050	0.0100	0.0100	0.0100	0.0050	0.0100	0.0100	0.0100	0.0100	0.0100	0.0100	0.0100	0.0005
B1A	4/26/2013	0.154	ND	0.132	ND	ND	ND	ND	ND	ND	0.0215	0.0124	ND	ND	ND	ND	0.0108	ND
B3A	4/25/2013	ND	ND	0.0446	ND	ND	ND	ND	ND	ND	0.0559	0.0161	0.0177	ND	ND	ND	ND	ND
B7A	4/26/2013	ND	ND	0.0703	ND	ND	ND	ND	ND	ND	0.0374	0.0140	ND	ND	ND	0.0121	ND	ND
B24A	4/25/2013	ND	ND	0.0751	ND	ND	ND	ND	ND	ND	0.0580	0.0168	0.0267	ND	ND	ND	ND	ND
B25A	4/26/2013	ND	ND	0.0375	ND	ND	ND	ND	ND	ND	0.0512	0.0153	ND	ND	ND	ND	ND	ND
B26A	4/26/2013	ND	ND	0.0881	ND	ND	ND	ND	ND	ND	0.0504	0.0119	ND	ND	ND	ND	ND	ND
B28A	4/25/2013	ND	ND	0.0297	ND	ND	ND	ND	ND	ND	0.0210	0.0106	0.0113	ND	ND	ND	ND	ND
B36A	4/30/2013	ND	ND	0.079	ND	ND	ND	ND	ND	ND	0.0205	ND	ND	ND	ND	ND	ND	ND
B37A	6/6/2013	ND	0.0177	0.331	ND	0.0301	0.111	0.371	0.0855	ND	0.0111	0.307	0.0164	ND	ND	0.0785	0.244	ND
B38A	6/7/2013	ND	0.0159	0.594	ND	0.0139	0.0381	0.444	0.0889	ND	ND	0.173	ND	ND	ND	0.1	0.118	ND
B39A	6/7/2013	ND	0.0272	0.322	ND	0.0202	0.0589	0.241	0.0926	ND	ND	0.179	ND	ND	ND	0.211	0.176	ND
B40A	6/7/2013	ND	ND	0.227	ND	0.026	0.167	0.355	0.118	ND	0.0171	0.34	0.0144	ND	ND	0.111	0.21	0.0007
B41A	6/7/2013	ND	0.0248	0.21	ND	0.0187	0.0243	0.188	0.0402	ND	ND	0.172	0.0104	ND	ND	0.102	0.103	0.0015
B42A	6/6/2013	ND	0.0145	0.497	ND	0.0317	0.0926	0.224	0.0579	ND	ND	0.23	0.169	ND	ND	0.142	0.157	ND
B43A	6/6/2013	ND	0.0185	0.471	ND	0.02	0.085	0.0896	0.106	ND	ND	0.195	ND	ND	ND	0.368	0.208	ND
B48A	6/28/2013	ND	ND	0.0147	ND	ND	ND	ND	ND	ND	0.0182	0.0201	0.0214	ND	ND	ND	ND	ND
B55A	6/6/2013	ND	0.0162	0.42	ND	0.0166	0.104	0.231	0.0855	ND	ND	0.242	ND	ND	ND	0.116	0.196	ND
B57A	6/7/2013	ND	0.0416	0.38	ND	0.0331	ND	0.125	0.0462	ND	ND	0.161	0.0169	ND	ND	0.0648	0.137	ND
B59A	6/7/2013	ND	0.0293	0.95	ND	0.0331	ND	0.0688	0.0603	ND	ND	0.178	ND	ND	ND	0.0974	0.148	ND
B60A	6/7/2013	ND	0.0458	2.16	ND	0.0355	ND	0.127	0.0125	ND	ND	0.187	0.0146	ND	ND	ND	0.122	ND
B65A	6/28/2013	ND	ND	0.0574	ND	ND	ND	ND	ND	ND	0.0158	0.0115	ND	ND	ND	ND	ND	ND
B70A	6/28/2013	ND	ND	0.0178	ND	ND	ND	ND	ND	ND	0.0143	ND	ND	ND	ND	ND	ND	ND

NOTES:
mg/L = milligrams per liter
ND = Indicates constituent not detected at or above the PQL
PQL = Practical Quantitation Limit

ALTA ENVIRONMENTAL

TABLE 8
Water Sample Results for TPH
12922 Panama Street
Los Angeles, California

Sample ID	Sample Date	TPHcc by EPA Method 8015M in Water		
		TPH-GRO (C6-C10) (µg/L)	TPH-DRO (C10-C28) (mg/L)	TPH-ORO (C28+) (mg/L)
PQL (mg/kg):		50.0	0.500	0.500
B1A	4/26/2013	ND	ND	ND
B3A	4/25/2013	ND	ND	ND
B7A	4/26/2013	ND	ND	ND
B24A	4/25/2013	ND	ND	ND
B25A	4/26/2013	ND	ND	ND
B26A	4/26/2013	ND	ND	ND
B28A	4/25/2013	ND	ND	ND
B36A	4/30/2013	ND	ND	ND

NOTES:
ND = Indicates constituents not detected above the PQL
PQL = Practical Quantitation Limit
TPH-GRO = total petroleum hydrocarbons as gasoline range organics
TPH-DRO = total petroleum hydrocarbons as diesel range organics
TPH-ORO = total petroleum hydrocarbons as oil range organics
mg/L = milligrams per liter

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TABLE 9
Water Sample Results for VOCs
12922 Panama Street
Los Angeles, California

VOCs by EPA Method 8260B in Water	Sample ID:	B1A	B3A	B7A	B24A	B25A	B26A
	Date:	4/25/2013	4/25/2013	4/25/2013	4/25/2013	4/25/2013	4/25/2013
	PQL (µg/L):	VOC Concentration (µg/L)					
Acetone	5.00	ND	ND	ND	ND	ND	ND
Benzene	1.00	ND	ND	ND	ND	ND	ND
Bromobenzene (Phenyl bromide)	1.00	ND	ND	ND	ND	ND	ND
Bromochloromethane (Chlorobromomethane)	1.00	ND	ND	ND	ND	ND	ND
Bromodichloromethane (Dichlorobromomethane)	1.00	ND	ND	ND	ND	ND	ND
Bromoform (Tribromomethane)	5.00	ND	ND	ND	ND	ND	ND
Bromomethane (Methyl bromide)	3.00	ND	ND	ND	ND	ND	ND
2-Butanone (MEK, Methyl ethyl ketone)	5.00	ND	ND	ND	ND	ND	ND
n-Butylbenzene	1.00	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	1.00	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	1.00	ND	ND	ND	ND	ND	ND
Carbon disulfide	1.00	ND	ND	ND	ND	ND	ND
Carbon tetrachloride (Tetrachloromethane)	1.00	ND	ND	ND	ND	ND	ND
Chlorobenzene	1.00	ND	ND	ND	ND	ND	ND
Chloroethane	3.00	ND	ND	ND	ND	ND	ND
2-Chloroethyl vinyl ether	5.00	ND	ND	ND	ND	ND	ND
Chloroform (Trichloromethane)	1.00	ND	ND	1.05	ND	ND	ND
Chloromethane (Methyl chloride)	3.00	ND	ND	ND	ND	ND	ND
4-Chlorotoluene (p-Chlorotoluene)	1.00	ND	ND	ND	ND	ND	ND
2-Chlorotoluene (o-Chlorotoluene)	1.00	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane (DBCP)	5.00	ND	ND	ND	ND	ND	ND
Dibromochloromethane	1.00	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane (EDB, Ethylene dibromide)	1.00	ND	ND	ND	ND	ND	ND
Dibromomethane	1.00	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene (o-Dichlorobenzene)	1.00	ND	ND	203	ND	1.52	ND
1,3-Dichlorobenzene (m-Dichlorobenzene)	1.00	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene (p-Dichlorobenzene)	1.00	ND	ND	2.51	ND	ND	ND
Dichlorodifluoromethane	3.00	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	1.00	ND	ND	4.52	ND	ND	ND
1,2-Dichloroethane	1.00	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene (1,1-Dichloroethylene)	1.00	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	1.00	ND	ND	47	ND	81	ND
trans-1,2-Dichloroethene	1.00	ND	ND	ND	ND	1.22	ND
1,2-Dichloropropane	1.00	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	1.00	ND	ND	ND	ND	ND	ND
2,2-Dichloropropane	1.00	ND	ND	ND	ND	ND	ND
1,1-Dichloropropene	1.00	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	1.00	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	1.00	ND	ND	ND	ND	ND	ND
Ethylbenzene	1.00	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene (1,3-Hexachlorobutadiene)	3.00	ND	ND	ND	ND	ND	ND
2-Hexanone	5.00	ND	ND	ND	ND	ND	ND
Isopropylbenzene	1.00	ND	ND	ND	ND	ND	ND
p-Isopropyltoluene (4-Isopropyltoluene)	1.00	ND	ND	ND	ND	ND	ND
MTBE	2.00	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone (MIBK, Methyl isobutyl ketone)	5.00	ND	ND	ND	ND	ND	ND
Methylene chloride (Dichloromethane, DCM)	5.00	ND	ND	ND	ND	ND	ND
Naphthalene	1.00	ND	ND	ND	ND	ND	ND
n-Propylbenzene	1.00	ND	ND	ND	ND	ND	ND
Styrene	1.00	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	1.00	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	1.00	ND	ND	ND	ND	ND	ND
Tetrachloroethene (Tetrachloroethylene)	1.00	ND	ND	24.8	ND	2.61	36.8
Toluene (Methyl benzene)	1.00	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	1.00	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	1.00	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	1.00	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	1.00	ND	ND	ND	ND	ND	ND
Trichloroethene (TCE)	1.00	ND	ND	121	ND	29.4	1.31
Trichlorofluoromethane	1.00	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	1.00	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	1.00	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	1.00	ND	ND	ND	ND	ND	ND
Vinyl acetate	5.00	ND	ND	ND	ND	ND	ND
Vinyl chloride (Chloroethene)	3.00	ND	ND	ND	ND	ND	ND
o-Xylene	1.00	ND	ND	ND	ND	ND	ND
m- & p-Xylenes	2.00	ND	ND	ND	ND	ND	ND

NOTES:
VOC = Volatile Organic Compound
PQL = Practical Quantitation Limit
ND = Indicated constituents not detected at or above the PQL
µg/L = micrograms per liter

ALTA ENVIRONMENTAL

TABLE 9
Water Sample Results for VOCs
12922 Panama Street
Los Angeles, California

VOCs by EPA Method 8260B in Water	Sample ID	B35A	B36A	B37A	B38A	B39A	B40A
	Date	4/25/2013	4/30/2013	5/6/21013	6/7/2013	6/7/2013	6/7/2013
	PQL (µg/L)	VOC Concentration (µg/L)					
Acetone	5.00	ND	ND	ND	ND	ND	ND
Benzene	1.00	ND	ND	ND	ND	ND	ND
Bromobenzene (Phenyl bromide)	1.00	ND	ND	ND	ND	ND	ND
Bromochloromethane (Chlorobromomethane)	1.00	ND	ND	ND	ND	ND	ND
Bromodichloromethane (Dichlorobromomethane)	1.00	ND	ND	ND	ND	ND	ND
Bromoform (Tribromomethane)	5.00	ND	ND	ND	ND	ND	ND
Bromomethane (Methyl bromide)	3.00	ND	ND	ND	ND	ND	ND
2-Butanone (MEK, Methyl ethyl ketone)	5.00	ND	ND	ND	ND	ND	ND
n-Butylbenzene	1.00	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	1.00	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	1.00	ND	ND	ND	ND	ND	ND
Carbon disulfide	1.00	ND	ND	ND	ND	ND	ND
Carbon tetrachloride (Tetrachloromethane)	1.00	ND	ND	ND	ND	ND	ND
Chlorobenzene	1.00	ND	ND	ND	ND	ND	ND
Chloroethane	3.00	ND	ND	ND	ND	ND	ND
2-Chloroethyl vinyl ether	5.00	ND	ND	ND	ND	ND	ND
Chloroform (Trichloromethane)	1.00	ND	ND	ND	1.29	ND	ND
Chloromethane (Methyl chloride)	3.00	ND	ND	ND	ND	ND	ND
4-Chlorotoluene (p-Chlorotoluene)	1.00	ND	ND	ND	ND	ND	ND
2-Chlorotoluene (o-Chlorotoluene)	1.00	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane (DBCP)	5.00	ND	ND	ND	ND	ND	ND
Dibromochloromethane	1.00	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane (EDB, Ethylene dibromide)	1.00	ND	ND	ND	ND	ND	ND
Dibromomethane	1.00	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene (o-Dichlorobenzene)	1.00	ND	ND	ND	ND	ND	9.64
1,3-Dichlorobenzene (m-Dichlorobenzene)	1.00	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene (p-Dichlorobenzene)	1.00	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	3.00	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	1.00	ND	ND	ND	1.54	ND	1.78
1,2-Dichloroethane	1.00	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene (1,1-Dichloroethylene)	1.00	ND	ND	ND	ND	3.52	1.12
cis-1,2-Dichloroethene	1.00	ND	ND	ND	ND	2.12	140
trans-1,2-Dichloroethene	1.00	ND	ND	ND	ND	ND	5.72
1,2-Dichloropropane	1.00	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	1.00	ND	ND	ND	ND	ND	ND
2,2-Dichloropropane	1.00	ND	ND	ND	ND	ND	ND
1,1-Dichloropropene	1.00	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	1.00	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	1.00	ND	ND	ND	ND	ND	ND
Ethylbenzene	1.00	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene (1,3-Hexachlorobutadiene)	3.00	ND	ND	ND	ND	ND	ND
2-Hexanone	5.00	ND	ND	ND	ND	ND	ND
Isopropylbenzene	1.00	ND	ND	ND	ND	ND	ND
p-Isopropyltoluene (4-Isopropyltoluene)	1.00	ND	ND	ND	ND	ND	ND
MTBE	2.00	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone (MIBK, Methyl isobutyl ketone)	5.00	ND	ND	ND	ND	ND	ND
Methylene chloride (Dichloromethane, DCM)	5.00	ND	ND	ND	ND	ND	ND
Naphthalene	1.00	ND	ND	ND	ND	ND	ND
n-Propylbenzene	1.00	ND	ND	ND	ND	ND	ND
Styrene	1.00	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	1.00	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	1.00	ND	ND	ND	ND	ND	ND
Tetrachloroethene (Tetrachloroethylene)	1.00	ND	ND	1.13	120	9.18	4.39
Toluene (Methyl benzene)	1.00	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	1.00	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	1.00	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	1.00	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	1.00	ND	ND	ND	ND	ND	ND
Trichloroethene (TCE)	1.00	ND	ND	ND	1.62	7.29	50.5
Trichlorofluoromethane	1.00	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	1.00	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	1.00	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	1.00	ND	ND	ND	ND	ND	ND
Vinyl acetate	5.00	ND	ND	ND	ND	ND	ND
Vinyl chloride (Chloroethene)	3.00	ND	ND	ND	ND	ND	ND
o-Xylene	1.00	ND	ND	ND	ND	ND	ND
m- & p-Xylenes	2.00	ND	ND	ND	ND	ND	ND

NOTES:
VOC = Volatile Organic Compound
PQL = Practical Quantitation Limit
ND = indicated constituents not detected at or above the PQL
µg/L = micrograms per liter

TABLE 9
Water Sample Results for VOCs
12922 Panama Street
Los Angeles, California

VOCs by EPA Method 8260B in Water	Sample ID	B41A	B42A	B43A	B48A	B65A	B67A
	Date	6/7/2013	6/6/2013	6/6/2013	6/26/2013	6/6/2013	6/7/2013
	PQL (µg/L)	VOC Concentration (µg/L)					
Acetone	5.00	ND	ND	ND	ND	ND	ND
Benzene	1.00	ND	ND	ND	ND	ND	ND
Bromobenzene (Phenyl bromide)	1.00	ND	ND	ND	ND	ND	ND
Bromochloromethane (Chlorobromomethane)	1.00	ND	ND	ND	ND	ND	ND
Bromodichloromethane (Dichlorobromomethane)	1.00	ND	ND	ND	ND	ND	ND
Bromoform (Tribromomethane)	5.00	ND	ND	ND	ND	ND	ND
Bromomethane (Methyl bromide)	3.00	ND	ND	ND	ND	ND	ND
2-Butanone (MEK, Methyl ethyl ketone)	5.00	ND	ND	ND	ND	ND	ND
n-Butylbenzene	1.00	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	1.00	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	1.00	ND	ND	ND	ND	ND	ND
Carbon disulfide	1.00	ND	ND	ND	ND	ND	ND
Carbon tetrachloride (Tetrachloromethane)	1.00	ND	ND	ND	ND	ND	ND
Chlorobenzene	1.00	ND	ND	ND	ND	ND	ND
Chloroethane	3.00	ND	ND	ND	ND	ND	ND
2-Chloroethyl vinyl ether	5.00	ND	ND	ND	ND	ND	ND
Chloroform (Trichloromethane)	1.00	ND	ND	ND	ND	ND	ND
Chloromethane (Methyl chloride)	3.00	ND	ND	ND	ND	ND	ND
4-Chlorotoluene (p-Chlorotoluene)	1.00	ND	ND	ND	ND	ND	ND
2-Chlorotoluene (o-Chlorotoluene)	1.00	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane (DBCP)	5.00	ND	ND	ND	ND	ND	ND
Dibromochloromethane	1.00	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane (EDB, Ethylene dibromide)	1.00	ND	ND	ND	ND	ND	ND
Dibromomethane	1.00	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene (o-Dichlorobenzene)	1.00	ND	2.38	4.91	ND	ND	ND
1,3-Dichlorobenzene (m-Dichlorobenzene)	1.00	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene (p-Dichlorobenzene)	1.00	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	3.00	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	1.00	ND	2.38	2.43	3.37	3.75	ND
1,2-Dichloroethane	1.00	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene (1,1-Dichloroethylene)	1.00	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	1.00	40.6	19.1	131	22.9	72.9	1.84
trans-1,2-Dichloroethene	1.00	ND	ND	1.96	1.27	1.44	ND
1,2-Dichloropropane	1.00	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	1.00	ND	ND	ND	ND	ND	ND
2,2-Dichloropropane	1.00	ND	ND	ND	ND	ND	ND
1,1-Dichloropropene	1.00	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	1.00	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	1.00	ND	ND	ND	ND	ND	ND
Ethylbenzene	1.00	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene (1,3-Hexachlorobutadiene)	3.00	ND	ND	ND	ND	ND	ND
2-Hexanone	5.00	ND	ND	ND	ND	ND	ND
Isopropylbenzene	1.00	ND	ND	ND	ND	ND	ND
p-Isopropyltoluene (4-Isopropyltoluene)	1.00	ND	ND	ND	ND	ND	ND
MTBE	2.00	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone (MIBK, Methyl isobutyl ketone)	5.00	ND	ND	ND	ND	ND	ND
Methylene chloride (Dichloromethane, DCM)	5.00	ND	ND	ND	ND	ND	ND
Naphthalene	1.00	ND	ND	ND	ND	ND	ND
n-Propylbenzene	1.00	ND	ND	ND	ND	ND	ND
Styrene	1.00	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	1.00	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	1.00	ND	ND	ND	ND	ND	ND
Tetrachloroethene (Tetrachloroethylene)	1.00	5.38	15.5	2.39	67.5	1.14	1.49
Toluene (Methyl benzene)	1.00	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	1.00	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	1.00	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	1.00	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	1.00	ND	ND	ND	ND	ND	ND
Trichloroethene (TCE)	1.00	9.42	75.9	26.3	22.6	23.4	4.54
Trichlorofluoromethane	1.00	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	1.00	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	1.00	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	1.00	ND	ND	ND	ND	ND	ND
Vinyl acetate	5.00	ND	ND	ND	ND	ND	ND
Vinyl chloride (Chloroethene)	3.00	ND	ND	ND	ND	ND	ND
o-Xylene	1.00	ND	ND	ND	ND	ND	ND
m- & p-Xylenes	2.00	ND	ND	ND	ND	ND	ND

NOTES:
VOC = Volatile Organic Compound
PQL = Practical Quantitation Limit
ND = Indicated constituents not detected at or above the PQL
µg/L = micrograms per liter

TABLE 9
Water Sample Results for VOCs
12922 Panama Street
Los Angeles, California

VOCs by EPA Method 8260B in Water	Sample ID	B69A	B60A	B66A	B70A
	Date	6/7/2013	6/7/2013	6/28/2013	6/28/2013
	PQL (µg/L)	VOC Concentration (µg/L)			
Acetone	5.00	ND	ND	ND	ND
Benzene	1.00	ND	ND	ND	ND
Bromobenzene (Phenyl bromide)	1.00	ND	ND	ND	ND
Bromochloromethane (Chlorobromomethane)	1.00	ND	ND	ND	ND
Bromodichloromethane (Dichlorobromomethane)	1.00	ND	ND	ND	ND
Bromoform (Tribromomethane)	5.00	ND	ND	ND	ND
Bromomethane (Methyl bromide)	3.00	ND	ND	ND	ND
2-Butanone (MEK, Methyl ethyl ketone)	5.00	ND	ND	ND	ND
n-Butylbenzene	1.00	ND	ND	ND	ND
sec-Butylbenzene	1.00	ND	ND	ND	ND
tert-Butylbenzene	1.00	ND	ND	ND	ND
Carbon disulfide	1.00	ND	ND	ND	ND
Carbon tetrachloride (Tetrachloromethane)	1.00	ND	ND	ND	ND
Chlorobenzene	1.00	ND	ND	ND	ND
Chloroethane	3.00	ND	ND	ND	ND
2-Chloroethyl vinyl ether	5.00	ND	ND	ND	ND
Chloroform (Trichloromethane)	1.00	1.04	ND	ND	1.64
Chloromethane (Methyl chloride)	3.00	ND	ND	ND	ND
4-Chlorotoluene (p-Chlorotoluene)	1.00	ND	ND	ND	ND
2-Chlorotoluene (o-Chlorotoluene)	1.00	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane (DBCP)	5.00	ND	ND	ND	ND
Dibromochloromethane	1.00	ND	ND	ND	ND
1,2-Dibromoethane (EDB, Ethylene dibromide)	1.00	ND	ND	ND	ND
Dibromomethane	1.00	ND	ND	ND	ND
1,2-Dichlorobenzene (o-Dichlorobenzene)	1.00	ND	ND	ND	ND
1,3-Dichlorobenzene (m-Dichlorobenzene)	1.00	ND	ND	ND	ND
1,4-Dichlorobenzene (p-Dichlorobenzene)	1.00	ND	ND	ND	ND
Dichlorodifluoromethane	3.00	ND	ND	ND	ND
1,1-Dichloroethane	1.00	5.59	ND	ND	ND
1,2-Dichloroethane	1.00	ND	ND	ND	ND
1,1-Dichloroethene (1,1-Dichloroethylene)	1.00	ND	ND	ND	ND
cis-1,2-Dichloroethene	1.00	ND	ND	ND	ND
trans-1,2-Dichloroethene	1.00	ND	ND	ND	ND
1,2-Dichloropropane	1.00	ND	ND	ND	ND
1,3-Dichloropropane	1.00	ND	ND	ND	ND
2,2-Dichloropropane	1.00	ND	ND	ND	ND
1,1-Dichloropropene	1.00	ND	ND	ND	ND
cis-1,3-Dichloropropene	1.00	ND	ND	ND	ND
trans-1,3-Dichloropropene	1.00	ND	ND	ND	ND
Ethylbenzene	1.00	ND	ND	ND	ND
Hexachlorobutadiene (1,3-Hexachlorobutadiene)	3.00	ND	ND	ND	ND
2-Hexanone	5.00	ND	ND	ND	ND
Isopropylbenzene	1.00	ND	ND	ND	ND
p-Isopropyltoluene (4-Isopropyltoluene)	1.00	ND	ND	ND	ND
MTBE	2.00	ND	ND	ND	ND
4-Methyl-2-pentanone (MIBK, Methyl isobutyl ketone)	5.00	ND	ND	ND	ND
Methylene chloride (Dichloromethane, DCM)	5.00	ND	ND	ND	ND
Naphthalene	1.00	ND	ND	ND	ND
n-Propylbenzene	1.00	ND	ND	ND	ND
Styrene	1.00	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	1.00	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	1.00	ND	ND	ND	ND
Tetrachloroethene (Tetrachloroethylene)	1.00	26.6	13.8	ND	6.63
Toluene (Methyl benzene)	1.00	ND	ND	ND	ND
1,2,3-Trichlorobenzene	1.00	ND	ND	ND	ND
1,2,4-Trichlorobenzene	1.00	ND	ND	ND	ND
1,1,1-Trichloroethane	1.00	ND	ND	ND	ND
1,1,2-Trichloroethane	1.00	ND	ND	ND	ND
Trichloroethene (TCE)	1.00	1.05	ND	3.15	ND
Trichlorofluoromethane	1.00	ND	ND	ND	ND
1,2,3-Trichloropropane	1.00	ND	ND	ND	ND
1,2,4-Trimethylbenzene	1.00	ND	ND	ND	ND
1,3,5-Trimethylbenzene	1.00	ND	ND	ND	ND
Vinyl acetate	5.00	ND	ND	ND	ND
Vinyl chloride (Chloroethene)	3.00	ND	ND	ND	ND
o-Xylene	1.00	ND	ND	ND	ND
m- & p-Xylenes	2.00	ND	ND	ND	ND

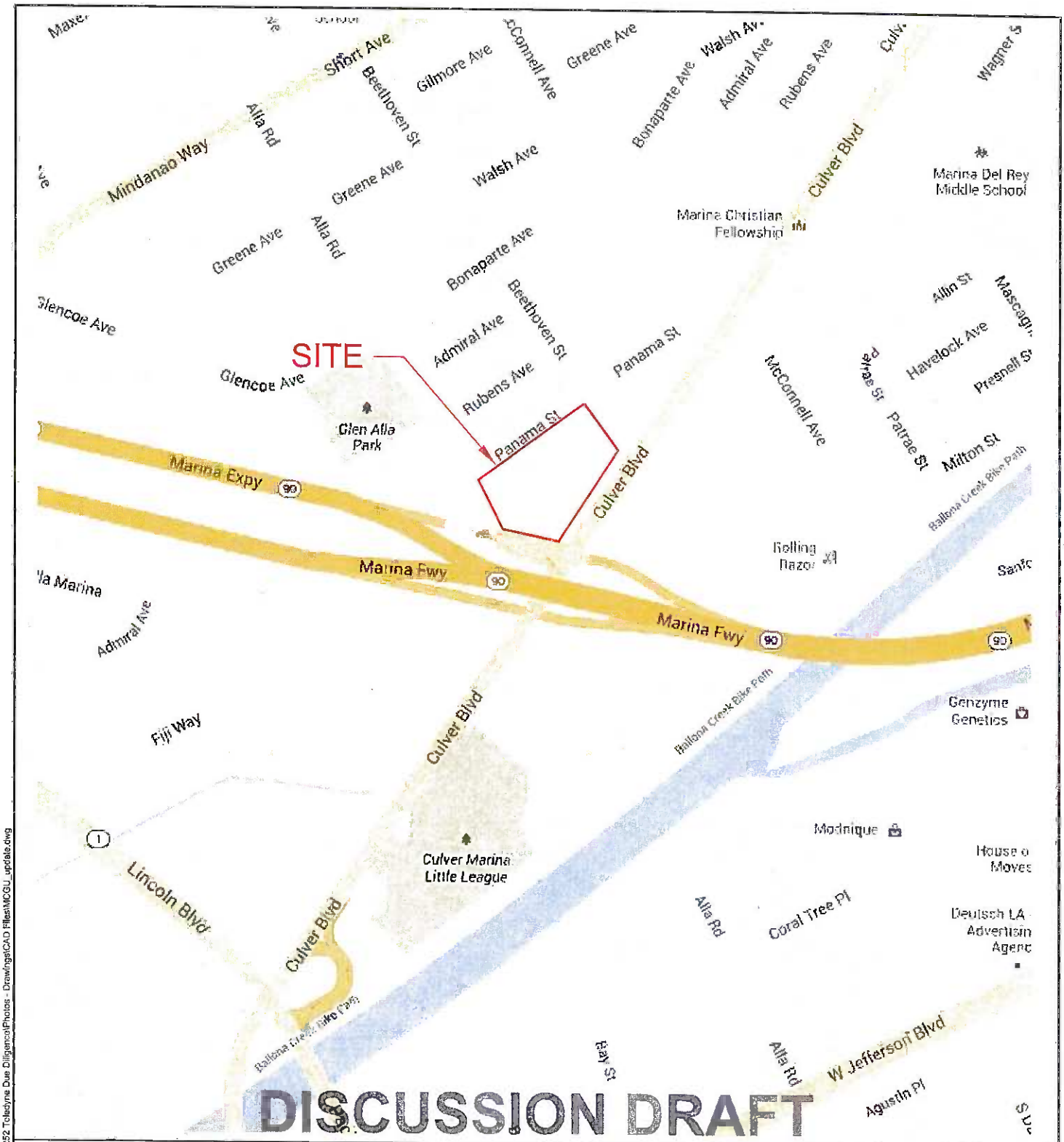
NOTES:
VOC = Volatile Organic Compound
PQL = Practical Quantitation Limit
ND = Indicated constituents not detected at or above the PQL
µg/L = micrograms per liter

Table 10
Summary of Maximum VOC Concentrations and Cleanup Goals
12922 Panama Street, Los Angeles, California

COC	Minimum Detected Concentration (µg/kg)	Maximum Detected Concentration at 2.5 feet bgs (µg/kg)	Cleanup Goal at 2.5 feet bgs (µg/kg)	Maximum Detected Concentration at 5 feet bgs (µg/kg)	Cleanup Goal at 5 feet bgs (µg/kg)	Maximum Detected Concentration at 10 feet bgs (µg/kg)	Cleanup Goal at 10 feet bgs (µg/kg)	Rationale
Benzene	ND <2.0	6.98	6.1	ND <40	5.9	ND <2.0	4.0	AF Method (RWQCB, 1996)
Tetrachloroethene (PCE)	ND <10.0	40,600	30.5	10,500	29.5	324	20.0	AF Method (RWQCB, 1996)
Trichloroethene (TCE)	ND <10.0	452	30.5	31.4	29.5	ND <10.0	20.0	AF Method (RWQCB, 1996)
cis-1,2-dichloroethene (DCE)	ND <10.0	4,190	36.6	218	35.4	46.2	24.0	AF Method (RWQCB, 1996)
trans-1,2-dichloroethene	ND <10.0	70.0	59.0	ND <200	59.0	ND <10.0	40.0	AF Method (RWQCB, 1996)
1,1-dichloroethane (1,1-DCA)	ND <10.0	59.2	30.5	ND <200	29.5	ND <10.0	20.0	AF Method (RWQCB, 1996)
1,1-dichloroethene (1,1-DCE)	ND <10.0	ND <500	36.6	12.9	35.4	ND <10.0	24.0	AF Method (RWQCB, 1996)
1,2-dichlorobenzene	ND <10.0	120	3,660	107	3,540	ND <10.0	2,400	AF Method (RWQCB, 1996)

NOTES:
Cleanup goals based on use of the Attenuation Factor (AF) Method, using Table 5-1 of 1996 RWQCB Guidance Document
COC = Chemical of Concern
µg/kg = micrograms per kilogram

FIGURES



DISCUSSION DRAFT

FIGURE 1: Site Vicinity Map

CLIENT: McGuire Woods, LLP	SITE LOCATION: Panama Street Site 12922 Panama Street Los Angeles, California 90066
PROJECT #: MCGU-13-2252	

ALTA ENVIRONMENTAL
3777 Long Beach Blvd., Annex Bldg.
Long Beach, CA 90807
(562) 495-5777 www.altaenviron.com

DRAWN: KD	APPROVED: JB	NORTH
SCALE: None	DATE: 7/8/13	

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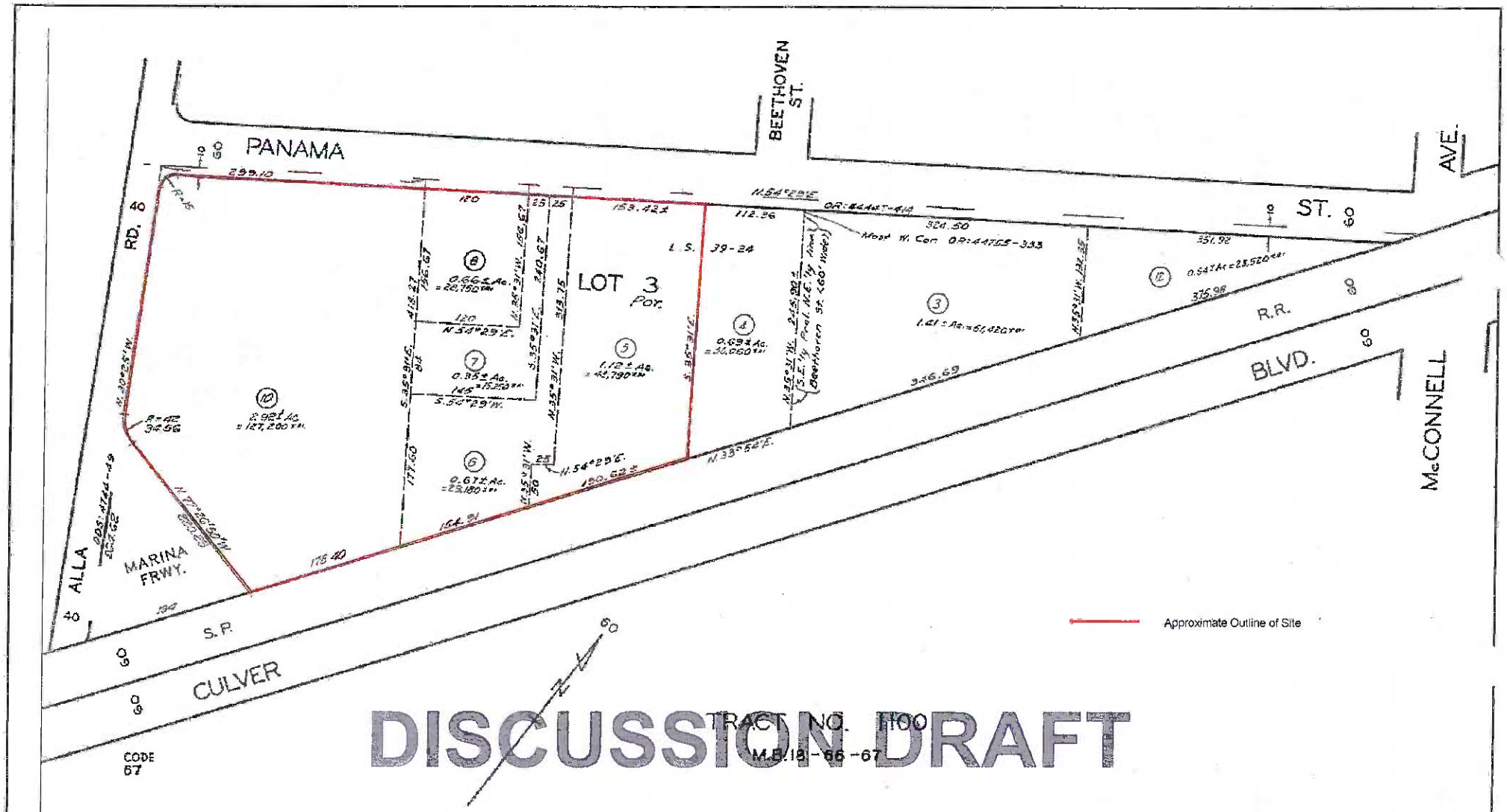

FIGURE 2: Site Assessor Parcel Map

CLIENT: McGuire Woods, LLC	DRAWN: KD	APPRV.: JB
	SCALE: NONE	DATE: June 2013
SITE: Panama Street Site 12922 Panama Street Los Angeles, California		
ALTA PROJ. #: MCGU-13-2522		

ALTA ENVIRONMENTAL
3777 Long Beach Blvd, Annex Bldg, Long Beach CA 90807
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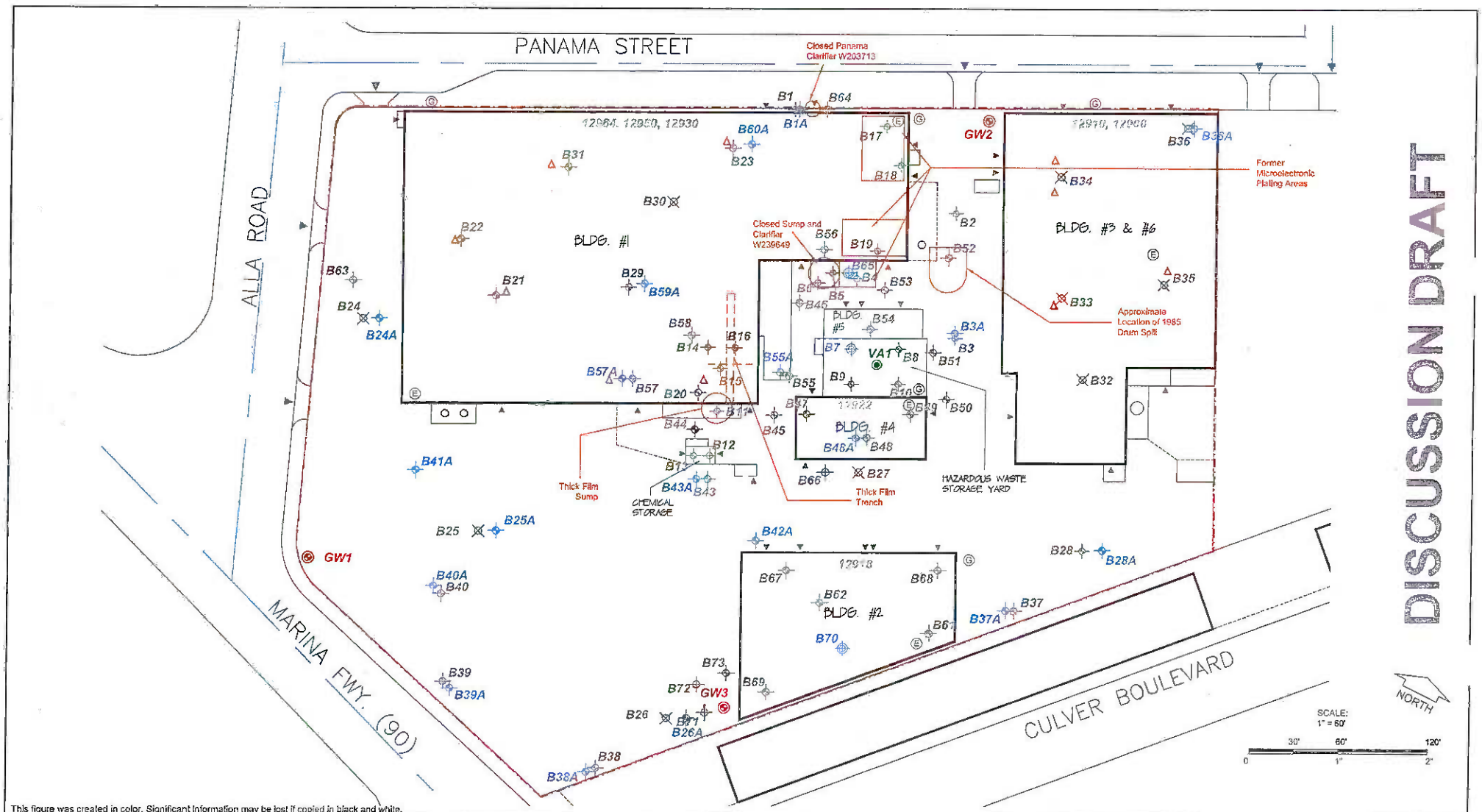

This figure was created in color. Significant information may be lost if copied in black and white.

LEGEND:

- Building Outline
- Approximate Outline of Site
- Center Line
- 12964 Address Number on Panama Street
- Approximate Location of Utility Shut-off (Electrical)
- Approximate Location of Utility Shut-off (Gas)
- Approximate Location of Access Point
- Soil Vapor Boring Location
- Soil Boring Location
- Soil/Soil Vapor Boring Location
- Hydropunch Groundwater Boring Location
- Soil/Hydropunch Groundwater Boring Location
- Vertical Assessment Boring Location
- Groundwater Monitoring Well Location
- Approximate Location of Former Vapor Degreaser

FIGURE 3: Current Site Use, Historic Site Use, and Boring Location Map

CLIENT: McGuireWoods, LLP	DRAWN: KAD	APPRV.: JB
	SCALE: 1" = 60'	DATE: May 2013
SITE: Panama Street Site, 12922 Panama Street, Los Angeles, California 90066		
ALTA PROJ. NO.: MCGU-13-2252		

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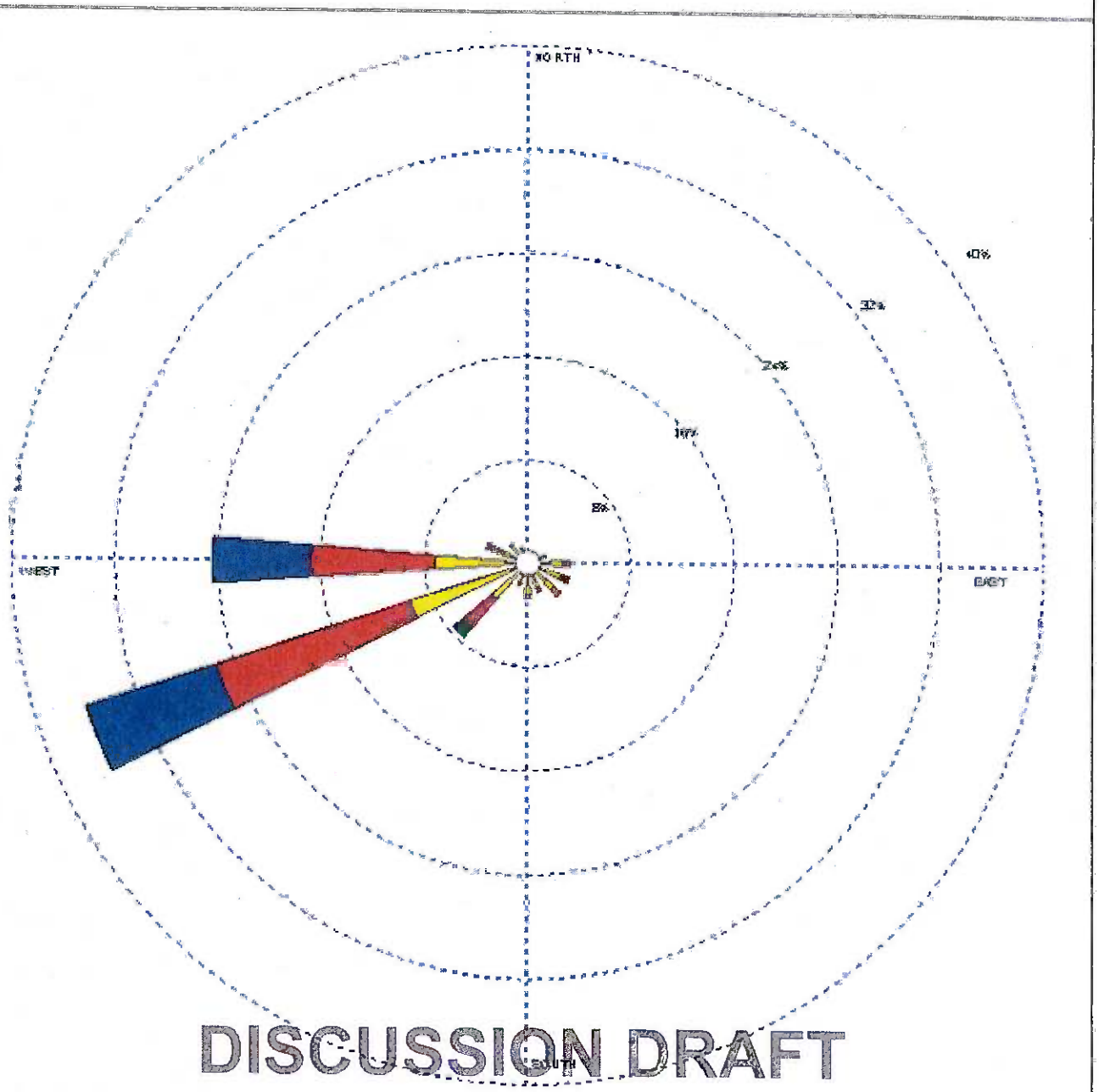
WIND ROSE PLOT

Station #23174 - LOS ANGELES/INT'L ARPT, CA



Wind Speed (m/s)

- > 11.06
- 8.49 - 11.06
- 5.40 - 8.49
- 3.34 - 5.40
- 1.80 - 3.34
- 0.51 - 1.80

MODELER: Sara West		DATE: 9/6/2002	COMPANY NAME: USDA-ARS
DISPLAY: Wind Speed		UNIT: m/s	ALTA ENVIRONMENTAL 3777 Long Beach Blvd. Annex Bldg. Long Beach CA 90807 P: (562) 495-5777 ♦ F: (562) 495-5877 ♦ altaenviron.com
AVG. WIND SPEED: 3.85 m/s		CALM WINDS: 3.99%	
ORIENTATION: Direction (blowing from)		PLOT YEAR-DATE-TIME: 1961 Jul 1 - Jul 31 Midnight - 11 PM	**FIGURE 4: Wind Rose Plot**

WRPLOT View 3.3 by Lakes Environmental Software - www.lakes-environmental.com

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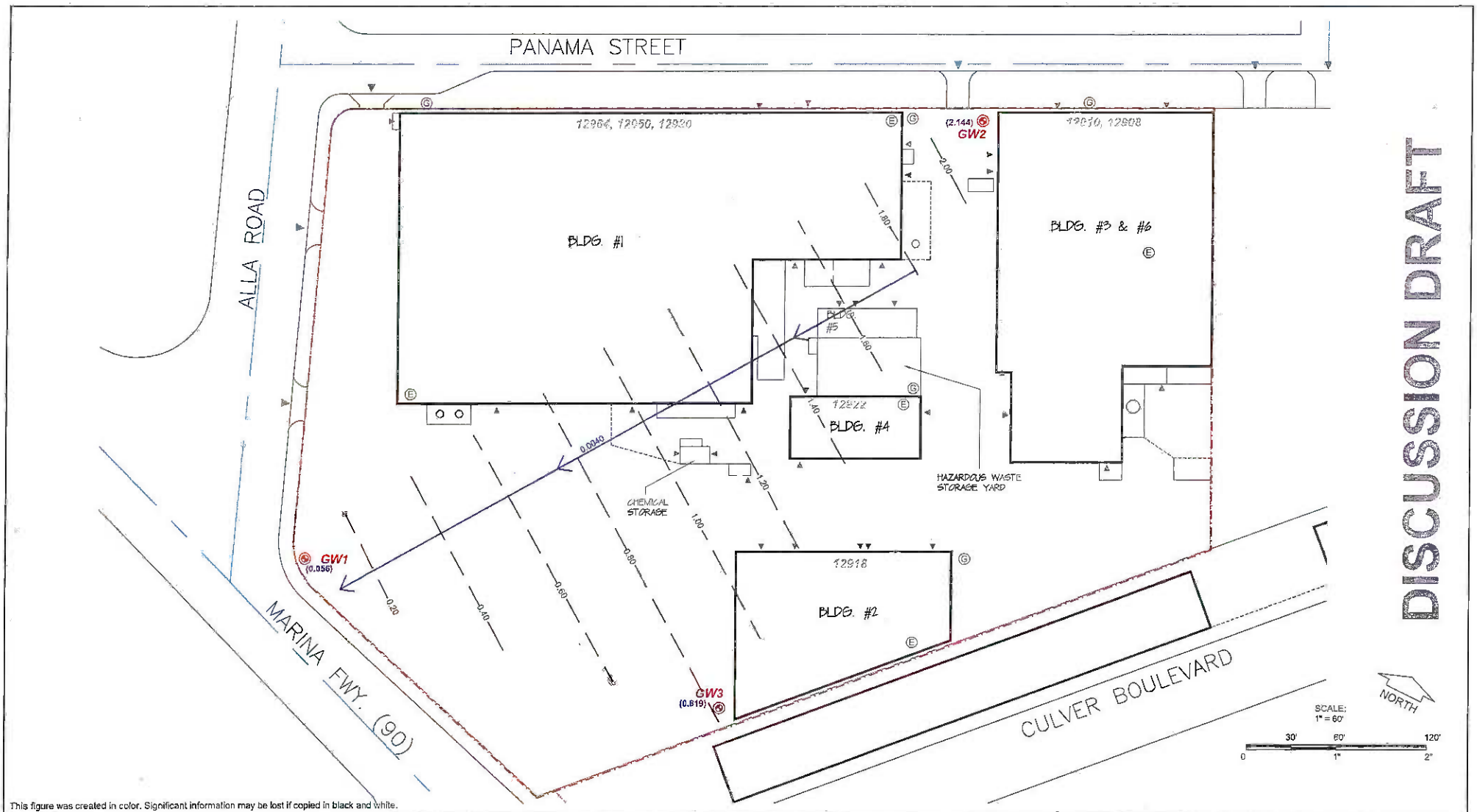

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LEGEND:

- Building Outline
- Approximate Outline of Site
- Center Line
- 12962 Address Number on Panama Street
- (E) Approximate Location of Utility Shut-off (Electrical)
- (G) Approximate Location of Utility Shut-off (Gas)
- Approximate Location of Access Point
- Groundwater Monitoring Well Location
- (2.144) Groundwater Elevation measured in feet above mean sea level (AMSL)
- —1.00— Groundwater Equipotential Surface Line (AMSL)
- 0.0040 Groundwater Flow Direction and Gradient

FIGURE 5: Groundwater Elevation Map

CLIENT: McGuireWoods, LLP	DRAWN: KAD	APPRV.: JB
	SCALE: 1" = 60'	DATE: May 2013
SITE: Panama Street Site, 12922 Panama Street, Los Angeles, California 90066		
ALTA PROJ. NO.: MCGU-13-2252		

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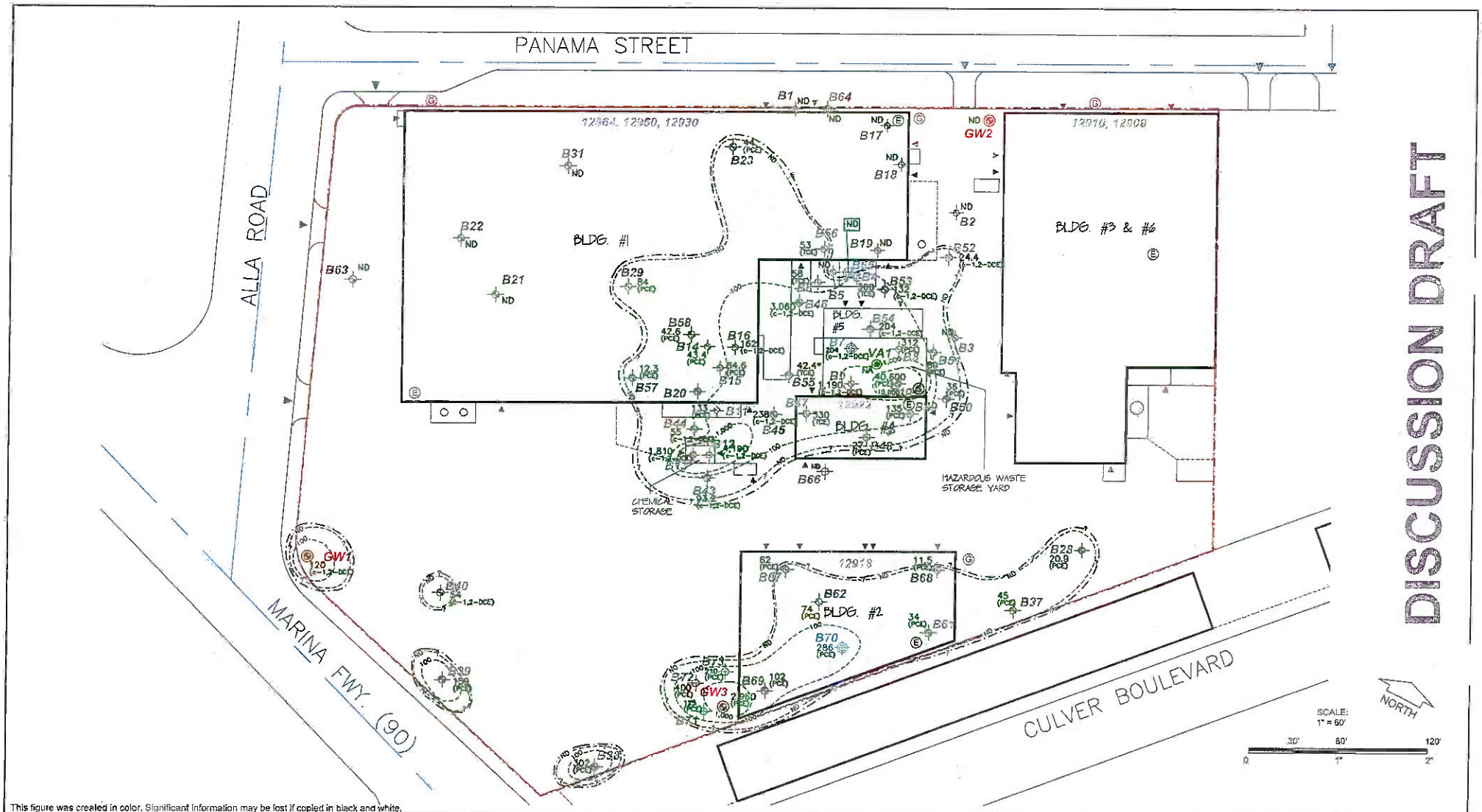

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LEGEND:

- Building Outline
- Approximate Outline of Site
- Center Line
- 12964 Address Number on Panama Street
- Approximate Location of Utility Shut-off (Electrical)
- Approximate Location of Utility Shut-off (Gas)
- Approximate Location of Access Point
- Vertical Assessment Boring Location
- Groundwater Monitoring Well Location
- Soil Boring Location
- Soil/Soil Vapor Boring Location
- Hydropunch/Soil Boring Location

40,600 (PCE) Maximum VOC concentration detected in soil samples collected between 2.5 and 5 feet bgs and presented in ug/kg. Maximum detected VOC is identified in parentheses.

Estimated limits of the area of potential concern (AOPC) associated with VOCs in Soil Matrix

Estimated isoconcentration contour for VOCs detected in Soil Matrix between 2.5 and 5 feet bgs.

bgs below ground surface
ug/kg micrograms per kilogram
VOC Volatile Organic Compound
PCE Tetrachloroethylene

NOTE:
All VOC results by EPA Method 8260B.

TCE Trichloroethylene
c-1,2-DCE cis-1,2-Dichloroethene
ND VOCs not detected above the laboratory reporting limits
NA Soil samples not analyzed between 2.5 and 5 ft. bgs
* Sample results not used in interpretation of estimated isoconcentration contour lines

FIGURE 6: Maximum VOC Detected in Soil Matrix - Areas of Potential Concern

CLIENT: McGuireWoods, LLP	DRAWN: KAD	APPRV.: JB
	SCALE: 1" = 60'	DATE: May 2013
SITE: Panama Street Site, 12922 Panama Street, Los Angeles, California 90066		
ALTA PROJ. NO.: MCGU-13-2252		

ALTA ENVIRONMENTAL
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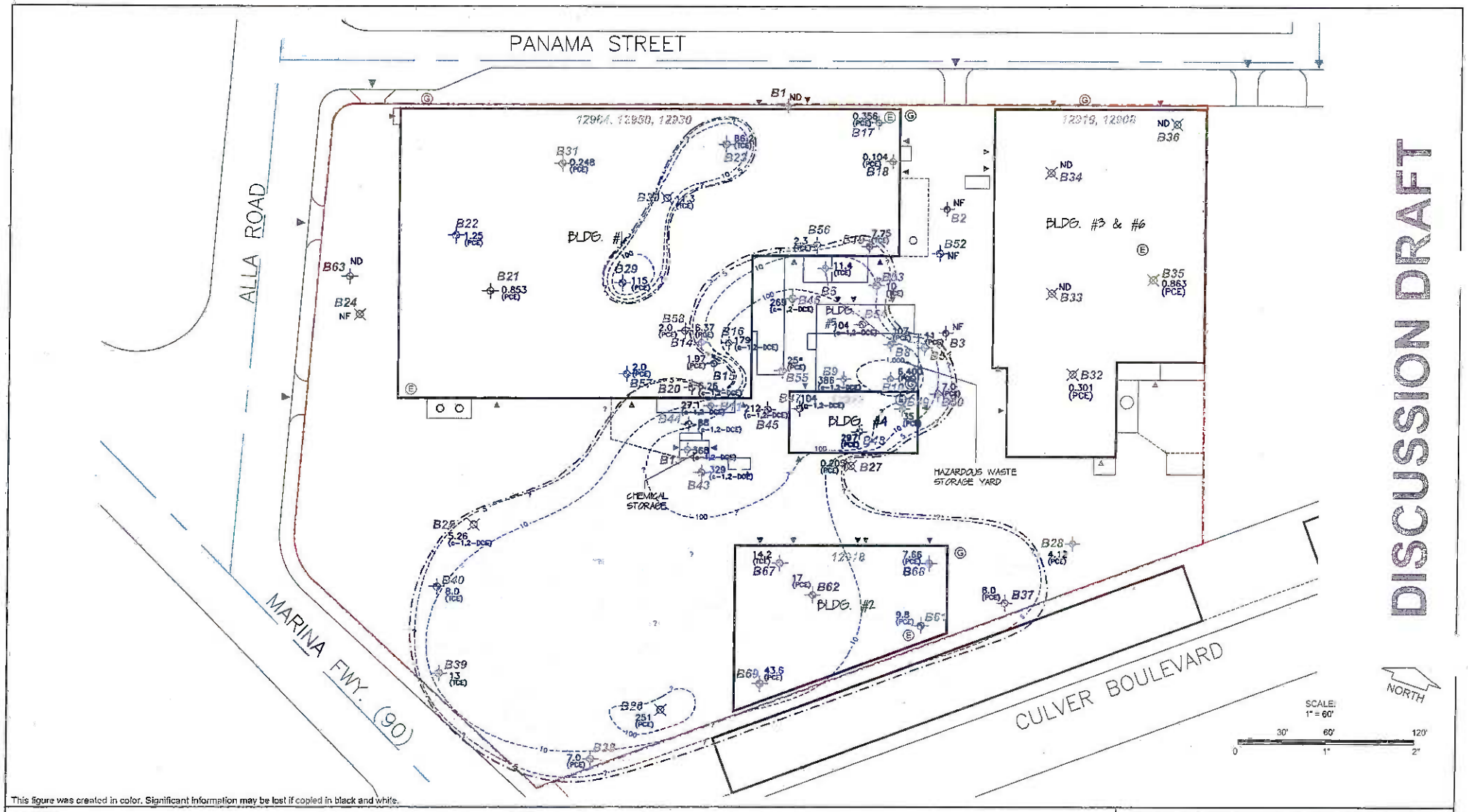

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LEGEND:

- Building Outline
- Approximate Outline of Site
- Center Line
- 12964 Address Number on Panama Street
- Ⓔ Approximate Location of Utility Shut-off (Electrical)
- Ⓖ Approximate Location of Utility Shut-off (Gas)
- ▼ Approximate Location of Access Point
- ◉ Vertical Assessment Boring Location
- ⊗ Soil Vapor Boring Location
- ⊕ Soil/Soil Vapor Boring Location
- * Sample results not used in interpretation of estimated limits of area of potential concern (AOPC)

6,400 (PCE) Maximum VOC concentration detected in soil vapor samples collected between 5 and 10 feet bgs and presented in ug/L. Maximum detected VOC is identified in parentheses.

Estimated limits of the area of potential concern (AOPC) associated with VOCs in Soil Vapor

Estimated isoconcentration contour for VOCs detected in Soil Vapor between 5 and 10 feet bgs.

bgs below ground surface
ug/L micrograms per liter
VOC Volatile Organic Compound
PCE Tetrachloroethylene
TCE Trichloroethylene
c-1,2-DCE cis-1,2-Dichloroethene
ND VOCs not detected above the laboratory reporting limits
NF No sample collected due to no flow sample conditions and have not been used for interpretation purposes.

NOTES:
All VOC results by EPA Method 8260B.

FIGURE 7: Maximum VOC Detected in Soil Vapor - Areas of Potential Concern

CLIENT: McGuireWoods, LLP	DRAWN: KAD	APPRV.: JB
	SCALE: 1" = 60'	DATE: May 2013
SITE: Panama Street Site, 12922 Panama Street, Los Angeles, California 90066		
ALTA PROJ. NO.: MCGU-13-2252		

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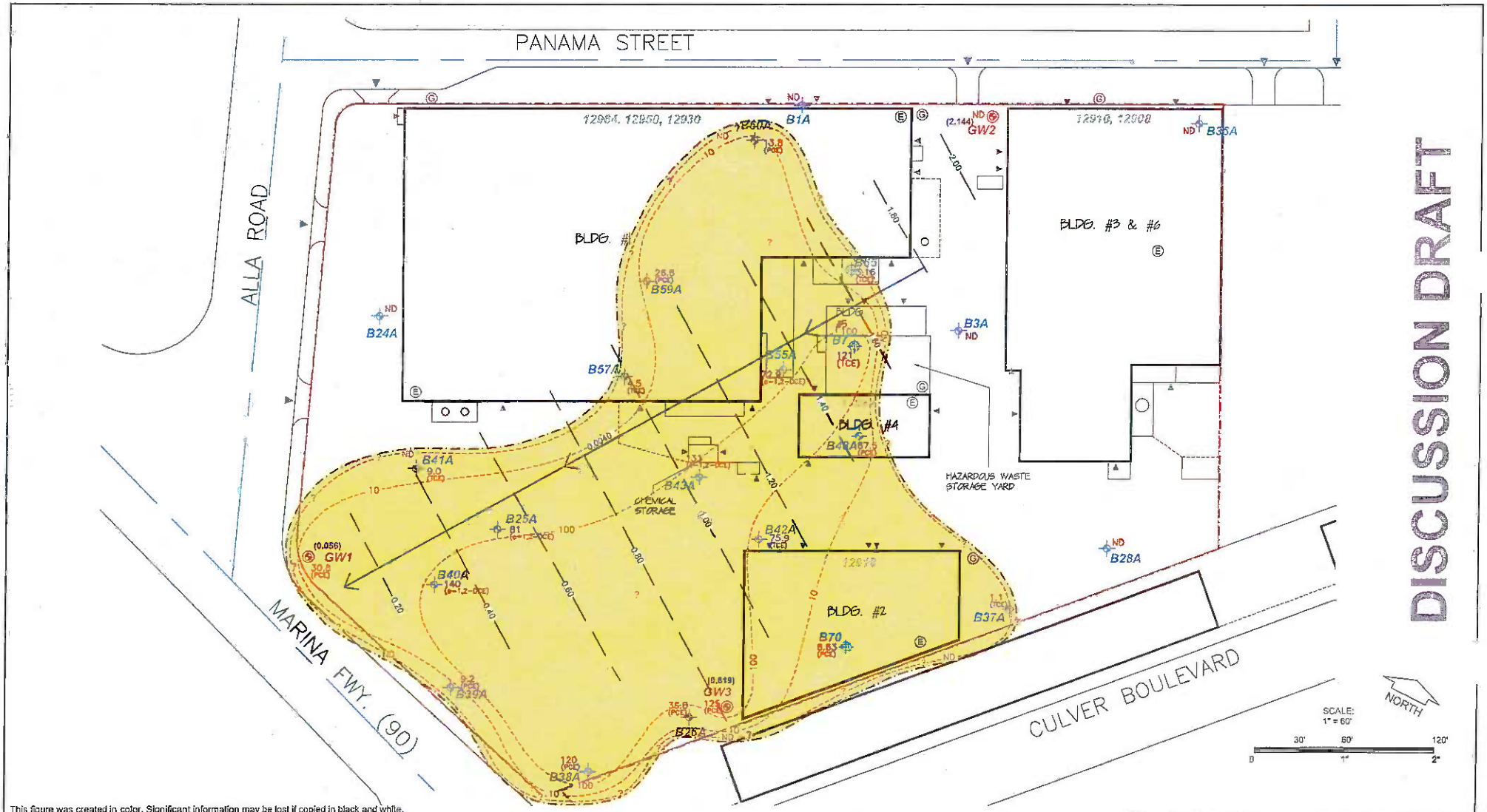

This figure was created in color. Significant information may be lost if copied in black and white.

LEGEND:

- Building Outline
- Approximate Outline of Site
- Center Line
- 12964 Address Number on Panama Street
- (E) Approximate Location of Utility Shut-off (Electrical)
- (G) Approximate Location of Utility Shut-off (Gas)
- Approximate Location of Access Point
- Groundwater Monitoring Well Location
- Hydropunch Groundwater Boring Location
- Soil/Hydropunch Groundwater Boring Location
- (2.144) Groundwater elevation measured in feet above mean sea level (AMSL)
- 1.00 Groundwater Equipotential Surface Line (AMSL)
- 0.0040 Groundwater Flow Direction and Gradient
- 121 (TCE) Maximum VOC concentration detected in groundwater samples presented in ug/L. Maximum detected VOC is identified in parentheses.
- Estimated limits of the area of potential concern (AOPC) associated with VOCs in Groundwater
- Estimated isoconcentration contour for VOCs detected in Groundwater between 5 and 10 feet bgs.
- bgs below ground surface
- ug/L micrograms per liter
- VOC Volatile Organic Compound
- PCE Tetrachloroethylene
- TCE Trichloroethylene
- c-1,2-DCE cis-1,2-Dichloroethene
- ND VOCs not detected above the laboratory reporting limits

NOTES:
All VOC results by EPA Method 8260B.

FIGURE 8: Maximum VOC Detected in Groundwater - Areas of Potential Concern

CLIENT: McGuireWoods, LLP	DRAWN: KAD	APPRV.: JB
	SCALE: 1" = 60'	DATE: May 2013

SITE:
Panama Street Site
12922 Panama Street
Los Angeles, California 90066

ALTA PROJ. NO.: MCGU-13-2252

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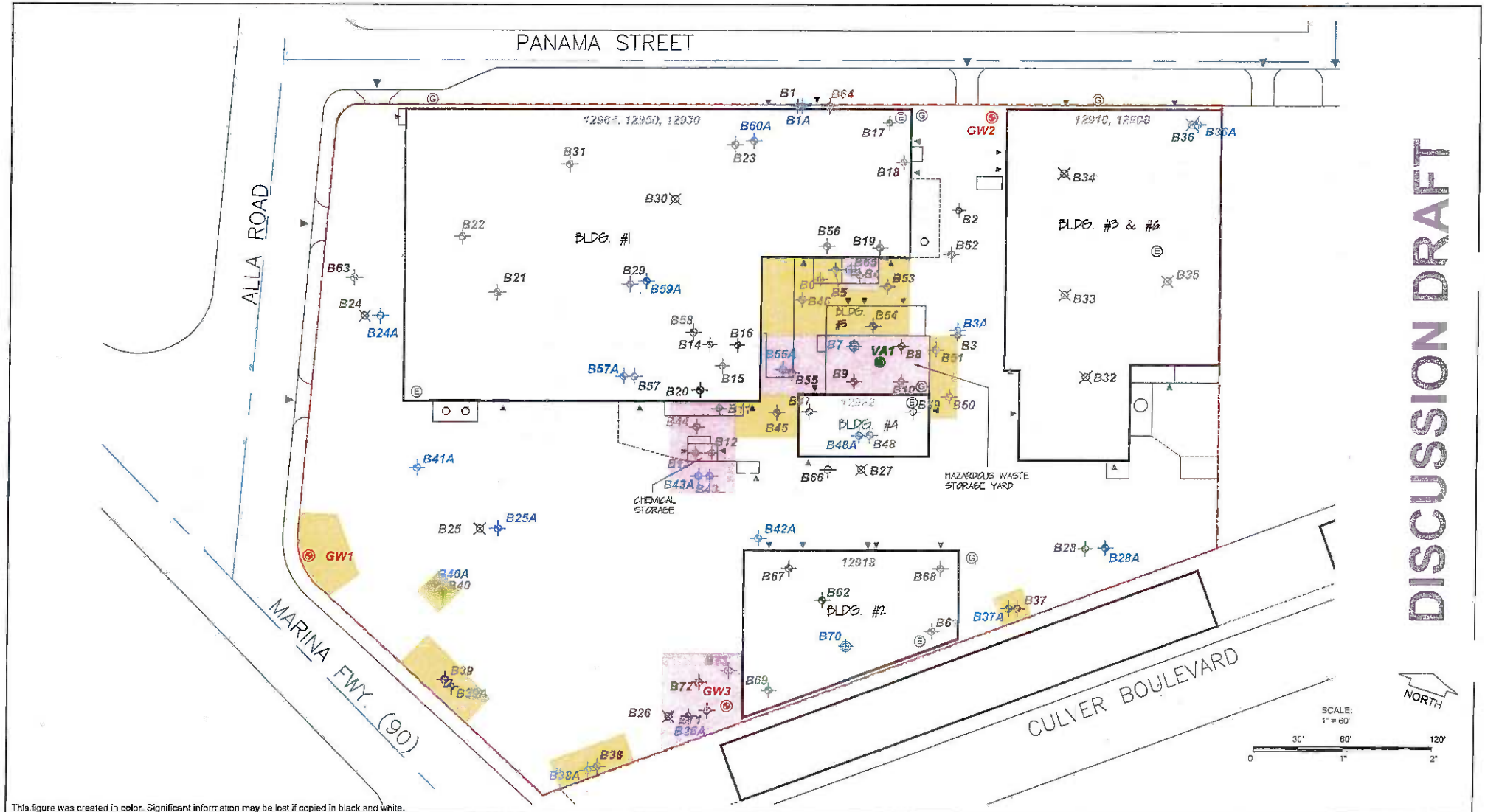

This figure was created in color. Significant information may be lost if copied in black and white.

LEGEND:

- Building Outline
- Approximate Outline of Site
- Center Line
- 12964 Address Number on Panama Street
- Approximate Location of Utility Shut-off (Electrical)
- Approximate Location of Utility Shut-off (Gas)
- Approximate Location of Access Point
- Soil Vapor Boring Location
- Soil Boring Location
- Soil/Soil Vapor Boring Location
- Hydropunch Groundwater Boring Location
- Soil/Hydropunch Groundwater Boring Location
- Vertical Assessment Boring Location
- Groundwater Monitoring Well Location
- Proposed Excavation Area to 5' bgs
- Proposed Excavation Area to 10' bgs

FIGURE 9: Proposed Excavation Areas

CLIENT: McGuireWoods, LLP	DRAWN: KAD	APPRV.: JB
	SCALE: 1" = 60'	DATE: July 2013
SITE: Panama Street Site, 12922 Panama Street, Los Angeles, California 90066		
ALTA PROJ. NO.: MCGU-13-2252		

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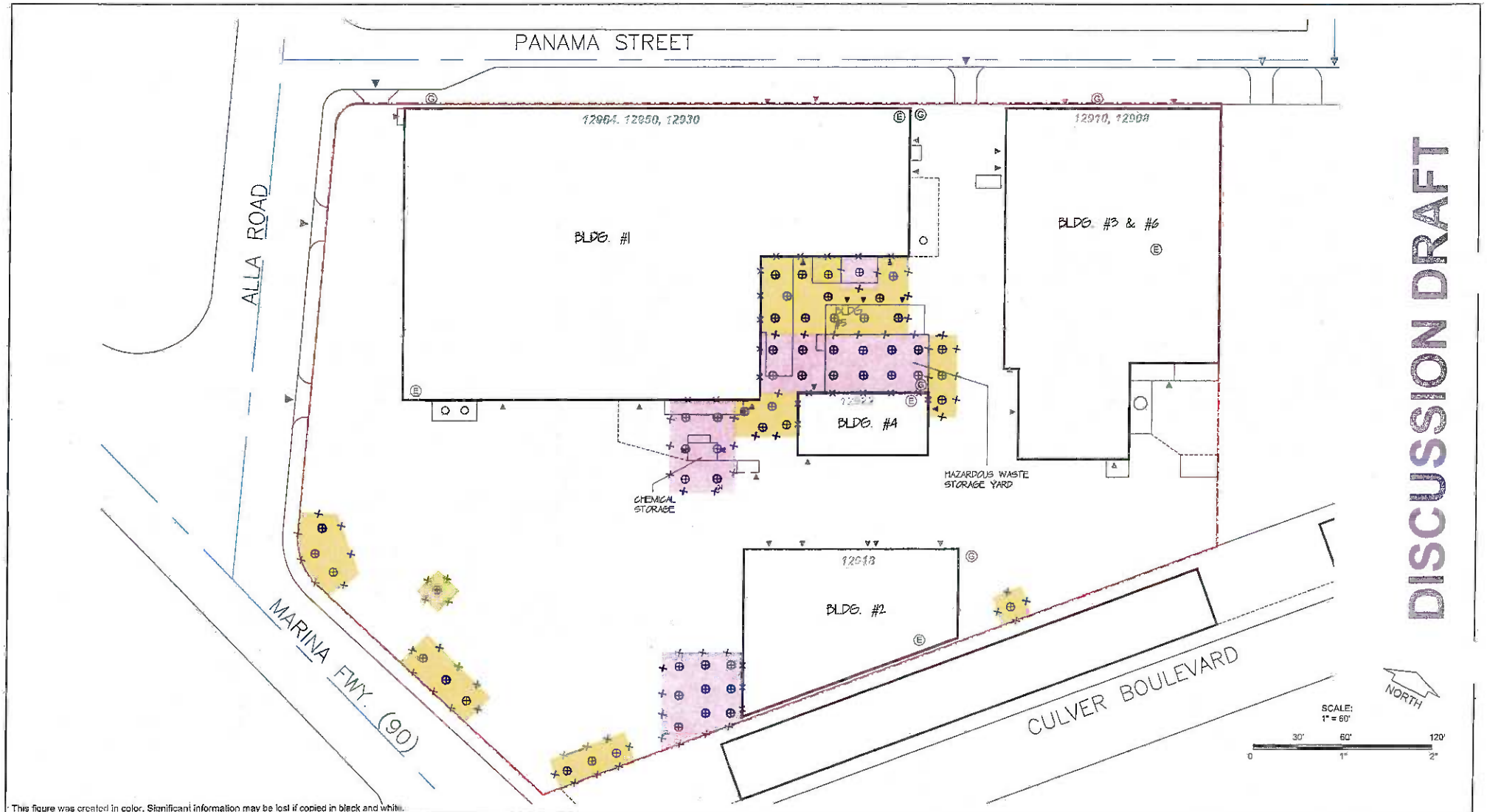

This figure was created in color. Significant information may be lost if copied in black and white.

LEGEND:

- Building Outline
- Approximate Outline of Site
- Center Line
- 12964 Address Number on Panama Street
- Approximate Location of Utility Shut-off (Electrical)
- Approximate Location of Utility Shut-off (Gas)
- Approximate Location of Access Point
- Soil Vapor Boring Location
- Soil Boring Location
- Soil/Soil Vapor Boring Location
- Hydropunch Groundwater Boring Location
- Soil/Hydropunch Groundwater Boring Location
- Vertical Assessment Boring Location
- Groundwater Monitoring Well Location
- Proposed Excavation Area to 5' bgs
- Proposed Excavation Area to 10' bgs
- Proposed Sidewall Soil Confirmation Sample Location
- Proposed Bottom Soil Confirmation Sample Location

FIGURE 10: Proposed Soil Confirmation Sample Locations

CLIENT: McGuireWoods, LLP	DRAWN: KAD	APPRV.: JB
	SCALE: 1" = 60'	DATE: July 2013
SITE: Panama Street Site 12922 Panama Street Los Angeles, California 90066		
ALTA PROJ. NO.: MCGU-13-2252		

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APPENDIX A

Health and Safety Plan (HASP)

ALTA ENVIRONMENTAL

HEALTH & SAFETY PLAN FOR SITE CHARACTERIZATION

12908-12964 Panama Street
Los Angeles, California

Prepared for

Mr. Dana Palmer
McGuire Woods, LLP
1800 Century Park East, 8th Floor
Los Angeles, California 90067

MCGU-13-6182 HASP
July 8, 2013

Alta Environmental
3777 Long Beach Boulevard, Annex Building
Long Beach CA 90807 United States of America

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1.1 Administration Information

Site Location:	12908-12964 Panama Street, Los Angeles, CA
Project Manager:	Mike Cassidy
Health and Safety Manager:	Jon Barkman
Field Team Leader:	Jon Barkman
Site Safety Officer:	Reid Shigeno

1.2 General

This Health and Safety Plan (HASP) has been prepared for the Remedial Activities (RA) to be performed at 12908-12964 Panama Street, in Los Angeles, California (Site) [Figure 1, Appendix B]. This HASP specifies the procedures and protective measures that will be employed to ensure the health and safety of the individuals conducting the environmental sampling at the Site. The Site-specific information and procedures contained herein include an overview of Site hazards, chemicals of concern, action levels, initial levels of personal protective equipment (PPE) to be used for various activities, decontamination procedures, air monitoring procedures, and emergency resources and information.

1.3 Scope and Applicability of the Health and Safety Plan

This HASP has been prepared in accordance with guidelines set forth in Title 8 of the California Code of Regulations, Section 5192 (8 CCR 5192), *Hazardous Waste Operations and Emergency Response*. The provisions of this HASP are mandatory for all field personnel. Subcontractors performing fieldwork in association with this investigation shall either adopt or abide by this HASP, or shall develop their own safety plans, which at a minimum meet the requirements of this HASP. All on-site personnel shall read this plan and sign the accompanying HASP Acknowledgement Sheet before beginning field activities.

All on-site personnel are responsible for operating in accordance with all applicable regulations of the Occupational Safety & Health Administration (OSHA) and California OSHA (Cal/OSHA).

2 SITE DESCRIPTION

2.1 Local Description

The Site is located at 12908-12964 Panama Street in Los Angeles, California, in a mixed commercial and industrial area (Figure 1, Appendix B). The Site is an approximately 5.72 acres property located just south of Panama Street, between Alla Road and Beethoven Street, which is developed with five main buildings and a variety of smaller storage structures. The Ballona Creek Channel and the Pacific Ocean are

approximately 0.25 miles south and 2.25 miles west of the Site, respectively. While site specific information was not identified, regional data presented in Los Angeles County Department of Public Works and State Water Resources Control Board online databases indicate that depth to ground water beneath the Site likely ranges from 12 to 20 feet below ground surface (bgs).

Based on interviews conducted with Teledyne personnel, a site reconnaissance conducted February 6, 2013, and a review of the recent Phase I Environmental Site Assessment dated January 2013 by Environ International Corporation, potential areas of concern identified for the environmental due diligence assessment and CUPA permit closeout include the following:

- Historical locations of chlorinated solvent vapor degreaser stations;
- The location of current and historical plating lines;
- The current and historical waste water conveyance and processing system;
- The location of historical chemical spills;
- The hazardous materials storage area; and
- The hazardous waste storage area.

From April 25, 2013 through June 11, 2013, Alta Environmental conducted an environmental investigation to identify chemicals of concern (COCs) and delineate the extent of contamination. This environmental investigation is the primary basis of these RAs.

2.1.1 Current Uses of the Site

The Site consists of five properties, 12908, 12910, 12930, 12950, and 12964 Panama Street. The buildings are part of a current and former microelectronic manufacturing plant.

2.1.2 Site History

For historical usage of the Site, refer to the recent Phase I Environmental Site Assessment dated January 2013 by Environ International Corporation.

3 ROLES AND RESPONSIBILITIES

A number of roles are required for the safe and efficient operation of the field team. These roles include Project Manager, Health and Safety Manager, Field Team Leader, Site Safety Officer (SSO) and field personnel. Team members may take on more than one role, and will be clearly assigned prior to the start of field activities.

3.1 Project Manager

The Project Manager is responsible for the overall operation of the project, including safety during field activities. Specific responsibilities include organization of all project work assignments, assigning personnel to specific duties, ensuring that the field team follows health and safety procedures approved by the Health and Safety Manager, and overall quality assurance/quality control of the project. The Project Manager will

also be responsible for the day-to-day progress of the project and will hold review and planning meetings as necessary with all technical personnel, during which the current progress, problems encountered, and future direction will be discussed.

3.2 Health and Safety Manager

The Health and Safety Manager is responsible for the design and, with assistance from the Project Manager on personnel issues, implementation of the health and safety program for this project. This includes developing the Site HASP, ensuring that all on-site workers have met the necessary health and safety training requirements and are knowledgeable about the work they will perform, assigning a qualified SSO to the field team, verifying compliance with all applicable safety and health requirements, and updating equipment and procedures based on new information gathered during the course of work.

3.3 Field Team Leader

The Field Team Leader is responsible for the operation of the field team. Responsibilities include organization of field activities, compliance with the provisions of project work plan, field documentation and record keeping, quality control of field activities, and communication with the Site's correspondent. The Field Team Leader, along with the SSO, will also ensure that subcontractors and outside observers comply with the HASP.

3.4 Site Safety Officer

The SSO is responsible for implementing the procedures stipulated in the HASP (Appendix H):

- Evaluating and amending the HASP daily to remedy deficiencies and post entry briefings;
- Determining the levels of personal protection based on observations or changing field conditions;
- Controlling Site entry and exit;
- Briefing the field team on the health and safety decontamination procedures required for various field activities;
- Monitoring the field team for signs of stress or exposure;
- Initiating emergency procedures, if necessary;
- Verifying that field team members have met the health and safety requirements for field activities;
- Being available to document and respond to any concerns or complaints made by personnel on-site;
- Documenting unsafe work practices or conditions;
- Documenting any accidents or incidents that result in illness or injury to personnel; and
- Issuing stop work notices if Site conditions become unsafe, with conference with the Project Manager and/or the Health and Safety Manager.

3.5 Field Technicians

The field technicians are responsible for complying with the HASP, notifying the SSO of hazardous or potentially hazardous conditions, and carrying out specialized tasks during field operations. These tasks include inspecting, calibrating, maintaining, and using field equipment; maintaining decontamination stations; preparing and decontaminating sampling equipment; collecting and preserving samples; and packaging and shipping samples according to proper chain-of-custody procedures.

3.6 Air Monitoring Technician

The responsibilities of the Air Monitoring Technician:

- Performing real-time particulate monitoring, as appropriate, to ensure contaminants are not migrating off the Site, and recording results;
- Performing personnel and area sampling, and recording results;
- Monitoring weather conditions using a meteorological station and/or Internet information; and
- Informing all Site personnel of existing conditions.

4 TRAINING AND MEDICAL MONITORING REQUIREMENTS

All personnel, including subcontractors participating in the fieldwork, will have completed a 40-hour health and safety training course (8 CCR 5192(e)) as appropriate for their particular tasks and have annual refresher training. Before personnel arrive on-site, each employer will be responsible for certifying that its employees meet the Cal/OSHA training requirements.

Each worker will be familiar with the requirements of the HASP, and will participate in Site activity and safety briefings. Medical surveillance is conducted as a routine program, which meets the requirements of 8 CCR 5192 (f); the medical surveillance program is detailed in Appendix F. There will be no special medical tests or examinations required for personnel involved in this project.

All personnel will be trained to operate their respective equipment, including respiratory protection (if needed). Under no circumstance will untrained or unqualified personnel operate equipment.

5 DESCRIPTION OF FIELDWORK

The recommended Remedial Action (RA) remedy, as deemed preferable by the Los Angeles Region Water Quality Control Board (LARWQCB), combines excavation with off-Site disposal of the impacted soil. Alta Environmental will provide remedial action oversight support and act as the On-Site Remediation Engineer, satisfying DTSC requirement as part of the Construction Quality Assurance (CQA) process. During excavation, stockpiling and backfill, an environmental contractor field representative will be on-Site. The activities that would be conducted are described below.

5.1.1 Excavation of Soils

The approved remedial response for soils impacted with COCs at the Site is excavation and off-site disposal. Alta Environmental will conduct environmental oversight of the remediation, confirmation soil sampling, air monitoring, and document all RAs in a final report. A selected remedial contractor will conduct all field activities related to the soil excavations, soil stockpiling, loading, transport, and disposal of the impacted soil. The excavation activities will be performed in accordance with the Alta Proposal and any permits regarding this site. The excavation areas include the following:

- Approximately 6,600 cubic yards (or 9,900 tons) of COC-impacted shallow soils will be excavated. Excavated soil will be categorized prior to export.

Soils will be removed using a backhoe and/or excavator and the soils will be transferred to the edge of the excavation area where it will be either directly loaded onto trucks for off-Site disposal or stockpiled and covered with plastic sheeting to be taken off-Site at a later date. During excavation and material handling, the use of water mist will be used to reduce fugitive dust. The water will be available via a water truck or other available water source located on the Site.

Soil gas, soil matrix, and groundwater sampling will be performed during the field activities. All activities shall be performed by personnel specifically trained and experienced in this type of operation. Mechanical drilling equipment (direct-push units, etc.) and/or manual digging equipment (hand augers, etc.) will be utilized during the sampling event. Water spray or other forms of vapor and dust control will be adopted during the sampling activity to prevent fugitive dust emissions, as warranted. Personnel within the work zone will be employed with PPE to reduce the exposure to the chemicals of concern (COCs) and to minimize potential injuries. A description of the fieldwork is summarized in the following sections.

5.1.2 Confirmation Sampling

Once complete, each excavation area will be sampled at the bottom and sidewalls to verify contaminant removal and to confirm that elevated levels COCs meet the selected cleanup goals (CG) and do not extend vertically to deeper depths or horizontally beyond the excavation boundaries.

5.1.3 Excavation Areas Backfill

After confirmation sampling has been completed, the RA contractor will import non-impacted soils and backfill excavation areas to original levels. The RA contractor will provide documentation regarding the source and profile of the import material.

6 CHEMICAL HAZARDS

The presence of chemical hazards at the Site has been confirmed; however, the primary suspected potential constituents of concern associated with the Site are various VOCs in shallow soil. Brief toxicological profiles of the major constituents of concern are included below and in Appendix G. Chemical and physical characteristics of these compounds are presented in Table 1 (Appendix A).

Potential exposures to these chemicals during field activities are included in the following table

Apparent Hazard		Type of Facility		Status of Facility	
Serious		Dump		Active	X
Moderate		Landfill		Inactive	X
Low	X	Open	X	Unknown	
None		Enclosed			
Unknown		Other			
Waste Types		**Waste Characteristics**		**Type/Form of Hazard**	
Gas		Toxic	X	Dust	
Liquid	X	Corrosive		Liquid	X
Sludge		Ignitable		Fumes	
Solid	X	Volatile	X	Vapors	X
Unknown		Radioactive		Contact	X
Other		Reactive		Respiratory	
		Unknown		Other	
		Other		IDLH	

- Inhalation of airborne dust and VOCs during excavation, loading, transportation and other soil handling activities;
- Dermal contact with and accidental ingestion of potentially contaminated rinse liquid and soil residue during soil removal; and
- Splash hazards during handling of soils saturated by groundwater.

To protect workers from eye and skin contact, skin absorption, and accidental ingestion of airborne dust, PPE will be used as outlined in Section 8.

6.1 Hazard Assessment

A literature review was conducted to find exposure limits and concentrations immediately dangerous to life and health (IDLH) for the constituents of concern in environmental media at the Site. Exposure limit data are expressed as 8-hour time-weighted averages (TWAs). TWAs promulgated in OSHA regulations are referred to as permissible exposure limits (PELs). The American Conference of Governmental and Industrial Hygienists adopt values for exposure limits that are referred to as threshold limit values (TLVs).

Exposure limits and the IDLH for the constituents of concern are depicted in Table 1 (Appendix A). These data are also used to establish action levels to determine when personnel should upgrade from Level D PPE (i.e., no respiratory protection) to Level C PPE (i.e., full-face air-purifying respirator) and to select the appropriate types of outer garments, gloves, and respirator cartridges. Action levels triggering an upgrade in respiratory protection from Level D to Level C are established by examining exposure limit data and selecting compounds with the lowest PEL. Site work will be initiated in Level D protection.

6.1.1 Volatile Organic Compounds

VOCs (TCE, 1,2-DCE, and PCE) have been identified as COCs at the Site. Personal protection and sanitation includes preventing skin and eye contact and flushing immediately if contact occurs. Exposure routes include inhalation, skin absorption, ingestion, skin and eye contact. Symptoms of exposure may include irritation in the eyes, skin, nose or respiratory system; giddiness; headache; nausea; staggered gait; fatigue; dermatitis; bone marrow depressant/depression. TCE, 1,2-DCE, and PCE are potential occupational carcinogens. Any air-purifying respirator with a VOC particulate filter or supplied-air respirator operated in a pressure-demand or other positive-pressure mode that has a full facepiece is recommended.

6.1.2 Metals (Arsenic)

Heavy metals, including arsenic, have been identified as potential COCs at the Site. Personal protection and sanitation includes preventing skin and eye contact and flushing immediately if contact occurs. Exposure routes include inhalation, ingestion, skin and eye contact. Symptoms of exposure may include weakness, lassitude, insomnia; pallor; anorexia, weight loss, malnutrition; constipation, abdominal pain, colic; anemia; gingival lead line; tremor; paralysis in wrist, ankles; kidney disease, irritation of the eyes; and hypotension. Some metals could be considered potential occupational carcinogens. Any air-purifying respirator with a high-efficiency particulate filter or supplied-air respirator operated in a pressure-demand or other positive-pressure mode that has a full facepiece is recommended.

Exposure guidelines for the potential project-specific COCs are presented in Table 1 (Appendix A). Properties and Toxicological profiles of the project-specific COCs are presented in Appendix G.

7 PHYSICAL HAZARDS

Field personnel should be aware of and act to minimize dangers associated with physical hazards typically encountered during Site activities. These hazards include heat-related illnesses, uneven terrain, slippery surfaces, and lifting. Personnel will walk at all times. Running greatly increases the probability of slips, trips, and falls.

7.1 Heat Stress

The potential for heat stress is higher on this Site during the summer months, given the warm southern California climate and potential use of protective garments. Workers in a hot environment can lose as much as 3 gallons of fluids and electrolytes in sweat, and therefore must be able to readily compensate for this loss.

Fluids should be replaced every 20 minutes and in amounts greater than are necessary to satisfy normal thirst. Water should be kept cool throughout the operation; a temperature of 50° – 60°F is recommended. Lost salt can be compensated by using a 0.1% saline solution as drinking water (one gram salt per liter of water, or one level tablespoon per 15 quarts of water).

Heat stress and heat stress monitoring are discussed in Appendix E. Heat illness prevention will comply with 8 CCR §3395.

7.2 Severe Weather

Fieldwork will not be conducted when lightning can be seen or thunder heard from the work area. When lightning and/or thunder occur, employees are to cease work, perform emergency personal and equipment decontamination as needed, and then seek shelter.

During extreme weather conditions, the Field Team Leader shall use his/her best judgment and has the authority to stop fieldwork or dismiss workers for the day. Examples of conditions that may warrant work stoppage include: high winds, hail, and flooding.

7.3 Heavy Equipment

Any equipment defects that affect safety will be corrected by the RA contractor in a timely manner so that a personnel hazard is not created. When defects make continued operation hazardous to personnel, the defective equipment will be taken out of service and placed in the designated area for repair. Once tagged out, continued use of equipment is prohibited until the defects are repaired. Defects on self-propelled mobile equipment affecting safety that are not corrected immediately will be reported to the Field Team Leader. The Field Team Leader will keep a log that will include the date the defect was reported, the equipment's identification, a description of the defect, and the date of repair.

Equipment repairs or maintenance will be performed only after the power is off, and the equipment is blocked against hazardous motion. Equipment motion or activation is permitted to the extent that adjustments or testing cannot be performed without such motion or activation, provided that people are effectively protected from hazardous motion.

Operators of self-propelled mobile equipment will maintain control of the equipment while it is moving. Operating speeds will be consistent with conditions of roadways, grades, clearances, visibility, traffic, and the type of equipment used. Equipment will be operated at speeds that permit stopping in no more than half the visibility distance.

People will not be transported

- in or on dippers, clamshells or buckets,
- in beds of mobile equipment,

- atop loads in mobile equipment,
- outside cabs, equipment operator's stations, or beds of mobile equipment, and
- to or from work areas in overcrowded equipment (i.e., the vehicle will not carry more people than the number of seats on that vehicle).

All self-propelled mobile equipment will be equipped with a service brake system capable of stopping and holding the equipment with its typical load on the maximum grade it travels (does not apply to equipment not originally equipped with brakes). If equipped, the parking brake on self-propelled mobile equipment will be capable of holding the equipment under typical load condition on the maximum travel grade.

All braking systems installed on self-propelled mobile equipment will be maintained in a functional condition.

Front-end loaders and bulldozers should have protection from falling objects.

Seat belts meeting the requirements of SAE J386, *Operator Restraint Systems for Off-Road Work Machines,* 1985, will be provided and worn in haulage trucks. Seat belts will be maintained in functional condition and replaced when necessary to assure proper performance.

Mobile equipment will not be left unattended unless the controls are placed in the park position, the parking brake, if provided, is set, and the ignition turned off.

People will not work on top of, under, or from mobile equipment in a raised position until the equipment has been blocked or secured to prevent it from rolling or falling accidentally.

Care will be taken to locate all overhead power lines before sampling activity begins. Under no circumstances should any part of the mobile equipment be positioned within the minimum clearance from exposed and energized electrical wires. The equipment operator will ensure there is sufficient overhead clearance (i.e., no part of the equipment will hit or touch any overhead obstruction when raised nor will it hit or touch any object while being raised) before raising any part of the equipment through careful preplanning.

7.4 Trenching and Excavation

An *excavation* is considered to be any man-made cut, cavity, trench, or depression in an earth surface, formed by earth removal. All operations involving excavation or trenching will be performed in accordance with 29 CFR 1926.650 and Cal/OSHA regulations for excavations (8 CCR, §1539–1547).

Soil removal areas are defined in the RAW. It is not anticipated that the site investigation activities will include confined space entry. Personnel will not enter any excavation exceeding 4 feet in depth unless appropriate shoring or sloping of sidewalls has been conducted.

7.4.1 Inspections

Daily inspections of excavations, the adjacent areas, and protective systems will be made to determine whether a situation exists that could result in possible cave-ins, failure of protective systems, hazardous atmospheres, or other hazardous conditions. An inspection will be conducted prior to the start of fieldwork and as needed throughout the shift.

Inspections will also be made after every rainstorm to ensure that no water accumulation has occurred. Employees shall not work in excavations where water has accumulated, unless adequate precautions are taken to protect employees against the hazards posed by water accumulation. The precautions necessary to protect employees adequately vary with each situation, but could include special support or shield systems to protect from cave-ins, water removal to control the level of accumulating water, or use of a safety harness and lifeline.

Potential physical hazards associated with this project include, but are not limited to, working around heavy equipment, electrocution, slippery terrain, noise, weather conditions, and heat stress.

7.5 Electrocution

If drilling will be taking place in close proximity to overhead power lines, Alta will defer to the following:

CA Penal Code 385

(a)The term "high voltage" as used in this section means a voltage in excess of 750 volts, measured between conductors or measured between the conductor and the ground.

The term "overhead conductor" as used in this section means any electrical conductor (either bare or insulated) installed above the ground except such conductors as are enclosed in iron pipe or other metal covering of equal strength.

(b)Any person who either personally or through an employee or agent, or as an employee or agent of another, operates, places, erects or moves any tools, machinery, equipment, material, building or structure within six feet of a high voltage overhead conductor is guilty of a misdemeanor.

(c)It shall be a misdemeanor to own, operate or to employ any person to operate, any crane, derrick, power shovel, drilling rig, hay loader, hay stacker, pile driver, or similar apparatus, any part of which is capable of vertical, lateral or swinging motion, unless there is posted and maintained in plain view of the operator thereof, a durable warning sign legible at 12 feet, reading: "Unlawful to operate this equipment within six(*) feet of high voltage lines."

*Note – California Title 8 Regulations supersede the six foot radius and require ten feet for a greater safety.

As a general rule of thumb, Alta and the drilling contractor will keep mast a minimum of 15 feet from overhead power lines (20 ft. if 230, 285 kv / 25 ft. if 345 kv / 35 ft if 500 kv). Check with utility company if in doubt

Electrical power lines above (overhead) and below ground will be identified at the Site before to the start of any activities to prevent electrocution. Minimum safe distance will be established by the SSO in areas of overhead and underground power lines. Subcontracted utility locating services will be used as necessary to locate or confirm the presence of suspected underground utilities at drilling or boring locations (Section 7.4.2).

7.5.1 Lockout/Tagout

Teledyne Microelectronics Technologies has implemented a Lockout/Tagout program to be used on any and all pieces of equipment that could possibly become energized. The Lockout/Tagout protocol can be

found in the attached Appendix M. All workers onsite shall refer to the protocol prior to performing work in any equipment that could possibly become energized.

7.5.2 Underground Utilities

Underground Service Alert (USA) will be contacted a minimum two 2 working days in advance of any underground intrusive activities. The estimated location of utility installations, such as sewer, telephone, fuel, electrical, potable/sanitary water, or any other underground installations that reasonably may be expected to be encountered during sampling work, shall be determined prior to sampling activity. When sampling activity approaches the estimated location of underground installations, the exact location of the installations shall be determined by safe and acceptable means.

7.5.3 Geophysical Survey

A geophysical survey will also be conducted in an effort to locate detectable utilities at the proposed boring locations so they can be avoided during drilling. The survey will include the use of various utility-locating equipment, including ground-penetrating radar. Detected subsurface features will be marked on the ground with spray paint in a color code established by the American Public Works Association.

7.6 Slippery Terrain, Slips, Trips and Falls

Slippery and uneven terrain is common and may increase the risk of injuries. Personnel will wear the appropriate foot protection while on-site. The SSO will monitor Site work surfaces for potential trip and fall hazards. Overhead hazards consist of potential contact with falling objects, rigging equipment, or other items in use at the Site. Hard hats are required at all times when at the Site.

7.7 Noise

The use of drilling equipment may produce continuous and impact noise at or above the action level of 85 dBA. All Site personnel within 25 feet of operating equipment, or near an operation that creates noise levels high enough to impair conversation, will wear hearing protective devices (either muffs or plugs). Personnel will wash their hands with soap and water prior to inserting earplugs to avoid initiating ear infections.

8 PERSONAL PROTECTIVE EQUIPMENT (PPE)

The level of employee protection for the work to be completed during Site activities was determined by researching Site conditions, reviewing planned activities, and identifying Site-specific physical and chemical hazards.

8.1 Selection of Personal Protective Equipment

Protective equipment is selected based on the types, concentrations, and routes of personal exposure that may be encountered. In situations where the types of materials and possibilities of contact are unknown or the hazards are not clearly identifiable, a more subjective determination will be made about the PPE required, and greater emphasis is placed on experience and sound safety practices. As discussed above, PPE for Site workers will be based on Site history and on the activities to be performed.

The initial level of PPE for all Site work will be Level D, which consists of the following:

- Coveralls or similar
- Steel-toed boots
- Safety glasses
- Nitrile inner and outer gloves
- Hard hats
- Safety reflective vests
- Ear plugs (when heavy equipment is operating)

However, due to potentially elevated concentrations of metals in concrete and soil, work being conducted near Building #1 at Borings B5 and B6 may require Level C, which consists of all the parameters of Level D with the addition of:

- Full-face or half-mask, air purifying respirators (NIOSH approved).

PPE requirements are subject to change as Site information is updated or changes. Work will stop until the HASP is updated, if the following Site conditions change and warrant upgrade to a higher PPE level:

- Change in weather conditions
- Encountering of contaminants other than those previously identified
- Change in ambient levels of contaminants
- Change in work scope that affects the degree of contact with contaminants

9 ILLUMINATION

Nighttime work activities are not proposed for this project.

10 STANDARD OPERATING PROCEDURES

The standards regarding Safety Rules and Personal Hygiene and Use and Decontamination of PPE are detailed in Appendices C and D, respectively.

10.1 Site Safety Meeting

Site safety orientation and training meetings will be convened (1) before the field team begins work at the Site, (2) when there are modifications to the Site safety plan that are applicable to the field personnel, and (3) when additional personnel or subcontractors begin fieldwork. Safety meetings will be held on a daily basis, attended by personnel involved in carrying out the project, and presided over the SSO or his/her designee.

At a minimum, the meeting agenda will include

- A review of the Site Safety Plan, and
- Attendee signatures, acknowledging receipt and understanding of the plan and agreement to comply.

10.2 Administrative Action

Observed violations of safety procedures can result in immediate removal of the violator from the Site. The Project Manager will take administrative action on each violation. In the event of a violation, the nature of the violation, the past record of the violator, and any extenuating circumstances will be reviewed. The SSO and Health and Safety Manager will provide a recommendation to the Project Manager regarding administrative actions such as retraining and reassignment, change in clearance status, or permanent dismissal from the Site.

10.3 Standard Operating Procedures

The following Standard Operating Procedures (SOPs) will be utilized on-site:

- No eating, drinking, smoking or applying lip balm in the exclusion zone.
- The buddy system shall be used for all work on-site.
- Site security issues will be implemented to ensure that only authorized personnel have access to the Site work zones.
- All personnel and equipment will be decontaminated prior to exiting the Site.
- Proper PPE, appropriate for the work zone conditions, shall be utilized at all times.

10.4 General Rules of Conduct

The following general rules of conduct are required for all personnel working on this project:

- Liquor, firearms, narcotics, tape recorders, and other contraband items are not permitted on the premises.
- Any violation of local, state, or federal laws, or conduct outside the generally accepted moral standards of the community is prohibited.
- Willfully damaging or destroying property, or removing records is forbidden.
- Misappropriation or unauthorized alteration of any record is forbidden.
- Gambling in any form, selling tickets or articles, taking orders, soliciting subscriptions, taking up collections, etc., is forbidden.
- Compliance with posted signs and notices is required.
- Boisterousness and noisy or offensive work habits, abusive language, or any oral, written, symbolic, or other communication that tends to disrupt work or morale of others is forbidden.
- Fighting or threatening bodily harm to another is forbidden.

- Defacing any property is forbidden.
- Wearing shorts of any type and/or offensive logos, pictures, or phrases on clothing is forbidden. Shirts, shoes, and pants, slacks, or coverall-type garments will be worn at all times.
- Individuals operating motor vehicles will obey all traffic regulations.

11 CONFINED SPACES

According to the 8 CCR §5157(b), a confined space is defined as a space that (1) is large enough and so configured that an employee can bodily enter and perform the assigned work; (2) has limited or restricted means of entry or exit (i.e., one exit); and (3) is not designed for continuous employee occupancy.

It is not anticipated that the project activities will include confined space entry.

12 AIR MONITORING

This section details the air monitoring strategy and methodologies that will be used for the RAW activities at the Site. In consultation with the LARWQCB or any other oversight agency, the air monitoring program may be modified as warranted in the field. The strategy and methodologies are designed to achieve several goals:

- Identify and measure the air contaminants generated during the soil removal and decontamination activities to assure the appropriate assignment of PPE and safety systems specified for those activities.
- Provide feedback to site operations personnel regarding potential hazards from exposure to hazardous air contaminants generated through site activities.
- Identify and measure air contaminants at points outside the soil removal and decontamination exclusion zones. Air monitoring will be conducted during work activities to measure potential exposure of sensitive receptors, including commercial and residential areas, to Site chemical constituents as a result of removal activities.

12.1 Site Air Monitoring/Health and Safety Personnel

Air monitoring will be performed during all Site activities in which contaminated or potentially contaminated materials are being disturbed or handled. Air monitoring may include some or all of the following:

- Monitoring dust levels in the exclusion zone and at the nearest downwind receptor locations. The Site air monitoring professional will have the authority to stop-work in the event that dust levels in the work zone or downwind locations exceed action levels. The air monitoring professional will monitor on-Site meteorological instrumentation and coordinate with off-Site meteorological professionals to identify conditions that require cessation of work (e.g., wind in excess of 25 mph).
- Monitoring VOCs levels while excavation of VOC impacted soil will be conducted in accordance with South Coast Air Quality Management District Rule 1166 – Volatile Organic Compound Emissions from Decontamination of Soil.

- Ensuring that all appropriate real-time aerosol monitors and industrial hygiene air sampling equipment and media are properly calibrated and in good working condition. Real-time, data-logging aerosol monitors (personal data ram) will be used to measure dust levels in the exclusion zone, upwind and downwind. Real-time information will be posted daily, and discussed with Site workers. As analytical results for industrial hygiene samples (an OSHA/NIOSH-approved method, e.g., NIOSH 7082 method for lead dust scan) are received, the air monitoring professional will prepare summary sheets and discuss results with on-Site management and workers.
- Coordinating general Site safety activities, including all daily hazard communication, safety practices and procedure briefings.
- Overseeing personal decontamination practices.
- Providing general site safety leadership, support and recordkeeping activities.

12.2 Air Monitoring Strategy and Methodologies

The RA contractor will monitor COC concentrations in the exclusion zone and at the work area boundary nearest to downwind receptor locations. Action levels for the Site COCs are presented in the table below.

Exposure Guidelines for Site Chemical Hazards					
Chemical Name	Odor Threshold [d]	CAL/OSHA PEL [a]	ACGIH TLV [b]	Site Action Levels [c]	Community Action Level (Fence Line) [c,d]
Total Dust	Not listed	10 mg/m^3	10 mg/m^3	1.0 mg/m^3	0.05 mg/m^3
Arsenic	Not listed	0.010 mg/m^3	0.002 mg/m^3	5 µg/m^3	1.5 µg/m^3
VOCs	Varies	Varies	Varies	50 ppm	50 ppm

Notes:

a. Permissible Exposure Limits (8 CCR 5155, Table AC1)
b. 2008 Threshold Limit Values for Chemical Substances and Physical Agents and Biological Exposure Indices, American Conference of Governmental Industrial Hygienists
c. Site Action Level is calculated as the dust equivalent concentration. Because of the importance of limiting airborne emissions and the potential for employees to inhale dust-laden contaminants, it is important that real-time monitoring of airborne particulate be conducted. To ensure that the respirable dust PEL is protective enough for fugitive dust generated containing Contaminants of Particular Concern (COPC), dust-equivalent action levels have been determined for each particular non-volatile COC. In general, this method derives the dust equivalent action level for a non-volatile COC by considering the COC's maximum concentration in soil and its DOSH PEL or other Action Level. When the chemical specific dust equivalent action level is in excess of the respirable dust action level, the more conservative (lower) action level is used. Thus, the respirable dust equivalent of 5.0 mg/m$_3$ was used. If Site air contaminants cannot be controlled reliably within 15 minutes, all work will cease and a Certified Industrial Hygienist will be consulted.
d. Community action level for total dust/particulate is based on South Coast Air Quality Management District regulations.

e. Community action level for a specific chemical dust is normally based on the available ATSDR MRL Equivalent Air Concentrations.
   - ✓ Site dust levels will be measured using real time aerosol monitors.
   - ✓ ppm — parts per million
   - ✓ mg/m^3 — milligrams per cubic meter

f. As coal tar pitch volatiles

12.3 Site Dust Control and Monitoring

The RA contractor will implement appropriate procedures to control the generation of airborne dusts by soil removal activities. Such procedures will include but will not be limited to the following:

- The site air monitoring professional will monitor dust levels in the exclusion zone and at locations upwind and downwind. The site air monitoring professional will have the authority to stop work in the event that on-Site activities generate dust levels in excess of action levels. Dust control equipment will be constantly available on-Site. The RA contractor will control the spread of dusts by spraying water on disturbed soils as necessary to maintain dust levels within the specific action levels.
- The air monitoring professional will monitor on-Site meteorological instrumentation and coordinate with off-Site meteorological professionals to identify conditions that require cessation of work (e.g., wind speeds in excess of 25 mph).
- The RA contractor will utilize real-time, data-logging aerosol monitors (Personal DataRam or equivalent) manufactured by MIE. These instruments will be calibrated daily, with monitoring information posted daily and discussed with Site workers. The monitors may be placed in the following general locations:
  - ✓ Upwind from the Site
  - ✓ Proximate to work in the exclusion zone
  - ✓ Three fence-line downwind locations

The specific locations of the monitors will be determined by the Air Monitoring Professional in consultation with a Certified Industrial Hygienist (of RA contractor or the LARWQCB). The monitors will be set to log dust levels every five minutes. The RA contractor's personnel will check all monitoring equipment every 15 minutes.

13 EXPOSURE MONITORING

The following exposure monitoring strategy and methodologies will be used for the field activities at the Site. The exposure monitoring program may be modified as warranted in the field. The strategy and methodologies are designed to achieve the following goals:

- Identify and measure the air contaminants generated during the subsurface sampling and decontamination activities to assure the appropriate assignment of PPE and safety systems specified for those activities; and

- Provide feedback to Site operations personnel regarding potential hazards from exposure to hazardous air contaminants generated through Site activities

13.1 Strategy and Methodologies

During the field activities, vapor concentrations in the worker breathing zone will be monitored. Exposure guidelines for the Site COCs are presented in the table below (NIOSH, 2006).

Exposure Guidelines for Site Chemical Hazards				
Chemical Name	Odor Threshold	CAL/OSHA PEL (TWA) [a]	ACGIH TLV [b]	IDLH
PCE	1.0 ppm	25 ppm	25 ppm	150 ppm
TCE	28 ppm	100 ppm	270 mg/m³	1,000 ppm
1,2-DCE	6-10 ppm	202 mg/m³	40 mg/m³	1,000 ppm

NOTES:

[a] Permissible Exposure Limits (8 CCR 5155, Table AC1)

[b] 2008 Threshold Limit Values (TLV) for Chemical Substances and Physical Agents and Biological Exposure Indices, American Conference of Governmental Industrial Hygienists (ACGIH)

TWA — Time-weighted average (concentration should not be exceeded during an 8-hour workday during a 40-hour work-week)

STEL — Short-term exposure limit (15 -minute TWA exposure that should not be exceeded at any time during a workday)

IDLH — Immediately dangerous to life or health concentrations

NA — Not applicable

ppm — parts per million

mg/m^3 — milligrams per cubic meter

Ca [N.D] — NIOSH considers this a potential carcinogen. However, IDLH values that were originally determined in the Standards Completion Program or were subsequently revised are shown in brackets. "N.D" indicates that an IDLH value has not been determined for that substance

13.2 Exposure Monitoring Procedure

If required, a PID with a minimum of an 11.7-electron volt probe or equivalent will be calibrated daily according to the manufacturers' instructions using isobutylene or hexane, and used to establish baseline ambient air conditions before field activities begin. The PID will be used to measure the vapor levels in the breathing zone of on-site personnel every 15 to 30 minutes.

If required, breathing zone PID readings will be used to establish the level of PPE required. Sustained readings of greater than 5 parts per million (ppm) above background in the breathing zone dictate that the personnel should be withdrawn temporarily from the work zone pending characterization of the contaminants present. When the workplace atmosphere has been characterized or returns to acceptable

levels, this information, along with data on the toxicity of the contaminants present, will be used to determine the level of PPE required in the work area (Section 8). Table 1 (Appendix A) summarizes the chemical and physical characteristics of Site COCs, as well as their associated PELs.

14 DESCRIPTION OF SITE WORK ZONES

The following work zones may be established at the Site before commencing the field activities.

Exclusion Zone

All workers who enter the contaminated work area will wear the correct level of protection. The number of workers in this zone will be kept at a minimum.

Contamination Reduction Zone (CRZ)

Decontamination areas for field personnel and heavy equipment will be designated in the CRZ adjacent to the exclusion zone.

Support Zones

The administrative and break areas will be located in the support zone outside the CRZ and the overall work zone. The support zone will be located upwind from the overall work zone as permitted by Site meteorological conditions.

The work areas and Site shall be cleared and secured at the end of each workday.

15 DECONTAMINATION

Decontamination procedures, based on Level D protection, will consist of the following:

- Removing disposable coveralls (if used) and depositing it in a designated container
- Removing disposable gloves and other disposable PPE and depositing them in a designated container
- Washing hands and face, and preferably showering as soon as practical
- All disposable clothing and plastic sheeting used during activities will be properly disposed of in accordance with all applicable federal, state and local regulations.

Field SOPs for use and decontamination of PPE is presented in Appendix D.

16 SANITATION

Restrooms located at the Site may be used by field personnel.

17 EMERGENCY SUPPLIES

A fire extinguisher will be available on-site during field activities. Field technicians will be informed about the proper use of fire extinguishers. A first-aid kit will also be available on-site during field activities.

18 EMERGENCY INFORMATION

The proposed field activities may present a risk to on-site personnel. During routine operations, risk is minimized by establishing good work practices, staying alert and using proper PPE. Unpredictable events such as physical injury, chemical exposure, or fire may occur and must be anticipated.

If any situation or unplanned occurrence requires outside emergency assistance, immediately call the appropriate contact from the list provided in Section 19.1, below.

18.1 First Aid

Move victim to fresh air and call emergency medical care. If victim is not breathing, give artificial respiration. In case of contact with material, immediately wash skin with soap and water. Remove and isolate contaminated clothing and shoes at the Site and follow MSDS recommendations, if available. For signs and immediate treatment of heat stress, refer to "Heat Stress Procedures" in Appendix E of this Health and Safety Plan.

18.2 Emergency Contact Information

Emergency response shall be addressed according to the requirements of Title 8 CCR 5192. If it is determined that the emergency could threaten human health or the environment, the incident will be reported to the proper agencies:

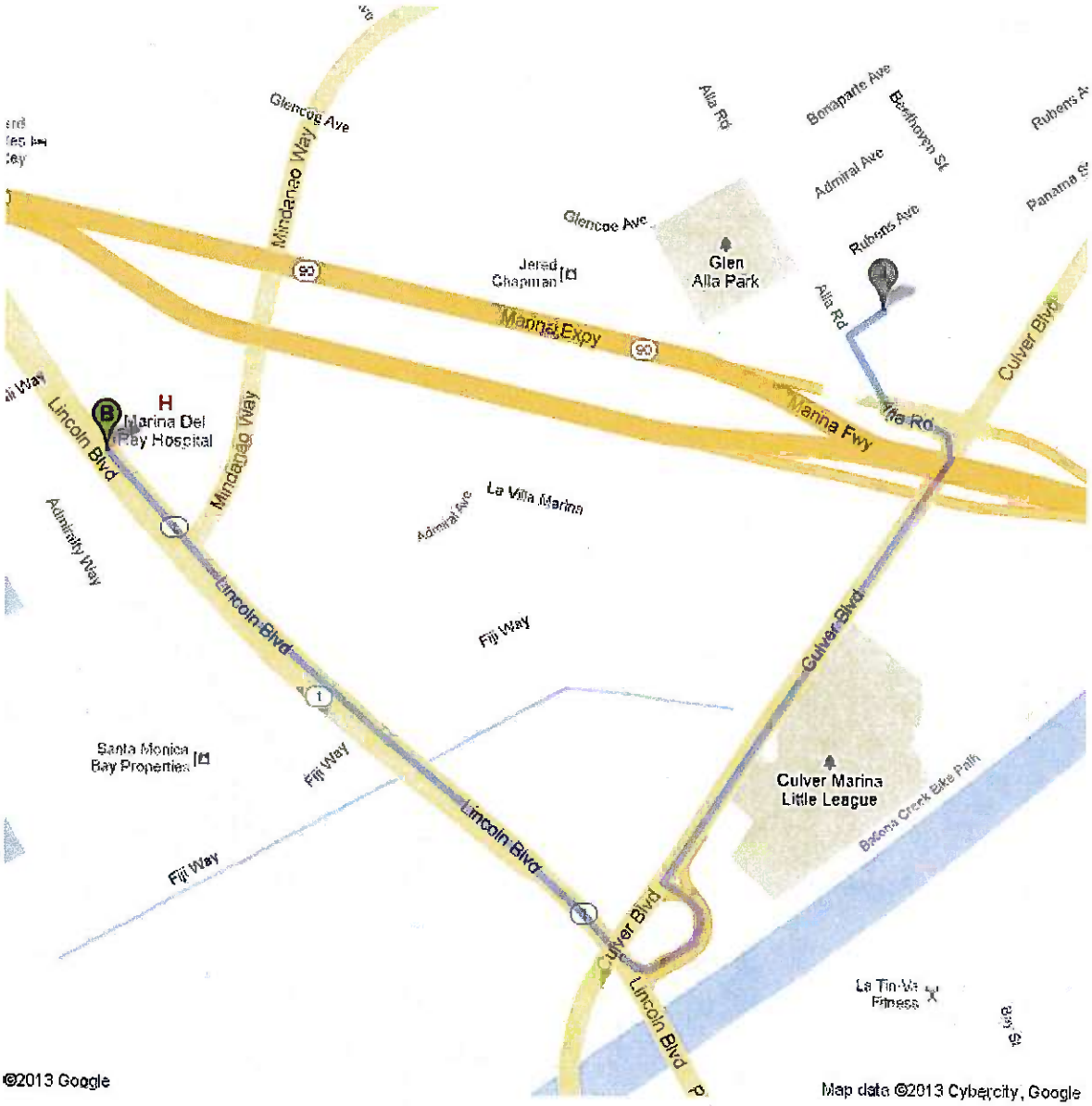
Nearest Hospital (map provided below):	Marina Del Rey Hospital 4650 Lincoln Boulevard Marina del Rey, California 90292
Hospital Phone Number:	310-823-8911
Emergency Response Number:	911
Other Ambulance, Fire, Police, or Environmental Emergency Resources:	911

18.3 Hospital

Marina Del Rey Hospital is located at 4650 Lincoln Blvd, Marina del Rey, California approximately 3.4 miles west of the Site (map provided below). Directions to the hospital from the Site are as follows:

1. Head southwest on Panama St towards Alla Rd
2. Turn left onto Alla Rd
3. Turn right onto Culver Blvd
4. Turn left onto the Lincoln Boulevard N ramp

5. Merge onto Lincoln Blvd
   Destination will be on the right



18.4 Emergency Procedures

Emergency procedures are to be followed if any of the following situations develop on-site:

- Any member of the field crew is involved in an accident or experiences any adverse effects or symptoms of exposure while on-site.
- A condition is discovered that suggests the existence of a situation more hazardous than anticipated.
- The following emergency procedures should be followed:
- Site work area entrance and exit routes will be planned and emergency escape routes delineated by the SSO.
- If any member of the field team experiences any effects or symptoms of exposure while on the scene, the entire field crew will immediately halt work and act in accordance with the instructions provided by the SSO.
- Identifying any conditions that would suggest a situation more hazardous than anticipated will result in the suspension of work until the SSO has evaluated the situation and provided the appropriate instructions to the field team.
- If an accident occurs, the Field Team Leader is to complete an Accident Report Form (Appendix J) for submittal to the appropriate company official.
- If a member of the field crew suffers a personal injury, the SSO will call 911 (serious injury) to alert appropriate emergency response agencies or administer on-site first aid (minor injury) as the situation dictates. An Accident Report Form (Appendix J) will be completed for any such incident.
- If a member of the field crew suffers a chemical exposure, the affected areas should be flushed immediately with copious amounts of clean water. If the situation dictates, the SSO should alert appropriate emergency response agencies, or personally ensure that the exposed individual is transported to the nearest medical treatment facility for prompt treatment. An Accident Report Form (Appendix J) will be completed for any such incident.

In the event of a Site emergency requiring evacuation, all personnel will evacuate to a pre-designated area located a safe distance from any health or safety hazard (typically the Site office, unless conditions dictate otherwise) and safely away from the area of influence. The primary and secondary meeting area will be established on a site-specific basis during the morning safety briefing. A head count will be completed by the Site Supervisor at the meeting area and further directions or response discussions coordinated at that point. During any Site evacuation, all employees shall be instructed to observe wind direction indicators. During evacuation, employees will be instructed to travel upwind or crosswind of the area of influence. The SSO will provide specific evacuation instructions, via the Site emergency radio if necessary, to Site personnel regarding the actual Site conditions.

A communication network will be set up to alert Site personnel of emergencies and to summon outside emergency assistance. Voice and radio communication may be used to communicate with personnel in the exclusion zone. Where phone service is not readily available, radios or portable phones should be used to

communicate with outside agencies. Site personnel should be trained to use the Site emergency communication network. Emergency phone numbers shall be posted at the phone or radio used for outside communication. The SSO is responsible for establishing the communication network prior to the beginning of work, and for explaining it to all personnel during the Site safety meeting. The following hand signals will be used where voice communications are not available in case of an emergency:

Hands gripping throat	Out of air, can't breathe
Grip partner's wrist or both hands around waist	Leave area immediately
Hands on top of head	Need assistance
Thumbs up	OK, I am all right, I understand
Thumbs down	No, negative

18.5 Emergency Staging Areas

In the case of evacuation, please refer to Emergency Evacuation Staging Areas attached in Appendix L. All workers will report to areas referenced on the provided map and await further instructions

19 AUTHORIZED CHANGES TO THE HEALTH AND SAFETY PLAN

Changes to the HASP are to be documented by completing the *Authorized Changes to Site Health and Safety Plan* form (Appendix I). This completed form must be signed by the SSO, the Health and Safety Manager, and the Project Manager. A copy of each completed form is to be included with each copy of the HASP and made a part of the project files.

20 REFERENCES

1. Environ International Corporation, *Phase I Environmental Site Assessment*, January 2013.
2. Alta Environmental, *Proposed Scope of Work – 12908-12964 Panama Street, Los Angeles, California*, April 12, 2013.

21 HASP ACKNOWLEDGEMENT

All personnel, including subcontractors, participating in the fieldwork at the Site, must review this HASP with the SSO and sign the acknowledgement form presented in Appendix K.

Appendix A
Tables

Table 1: Hazard Monitoring

Chemical and Physical Characteristics - Contaminants of Concern

Contaminant of Concern (COC)	Routes of Exposure	IDLH	OSHA PEL (TWA)	STEL (TWA)	% LEL	Odor Threshold	Odor Description
Tetrachloroethene (PCE)	Inhalation, Absorption, Ingestion, & Contact	150 ppm	TWA 100 ppm; C 200 ppm; 500 ppm*	100 ppm	NA	1.0 ppm	Ether/ Chloroform-Like
Trichloroethylene (TCE)	Inhalation, Absorption, Ingestion, & Contact	1,000 ppm	TWA 100 ppm; C 200 ppm; 300 ppm*	NA	8% (77°F)	28 ppm	Chloroform-like
1,2-Dichloroethylene (1,2,-DCE)	Inhalation, Absorption, Ingestion, & Contact	Ca [N.D.]	202 mg/m^3	200 ppm	5.6%	6-10 ppm	Pleasant chloroform-like
Arsenic	Inhalation, Absorption, Ingestion, & Contact	5 mg/m^3	0.010 mg/m^3	0.002 mg/m^3	NA	NA	None

TWA = Time-weighted average (concentration should not be exceeded during an 8-hour workday during a 40-hour work-week)

STEL = Short-term exposure limit (15 -minute TWA exposure that should not be exceeded at any time during a workday)

IDLH = immediately dangerous to life or health, concentration

TPH = Total petroleum hydrocarbons

NA = Not Applicable

? = unknown

C = ceiling recommended exposure limit (REL); unless otherwise noted, the ceiling value should not be exceeded at any time

* = 5-minute maximum peak in any 3-hours

Ca[N.D] = NIOSH considers this a potential carcinogen. However, IDLH values that were originally determined in the Standards Completion Program or were subsequently revised are shown in brackets. "N.D" indicates that an IDLH value has not been determined for that substance

Appendix B
Figures

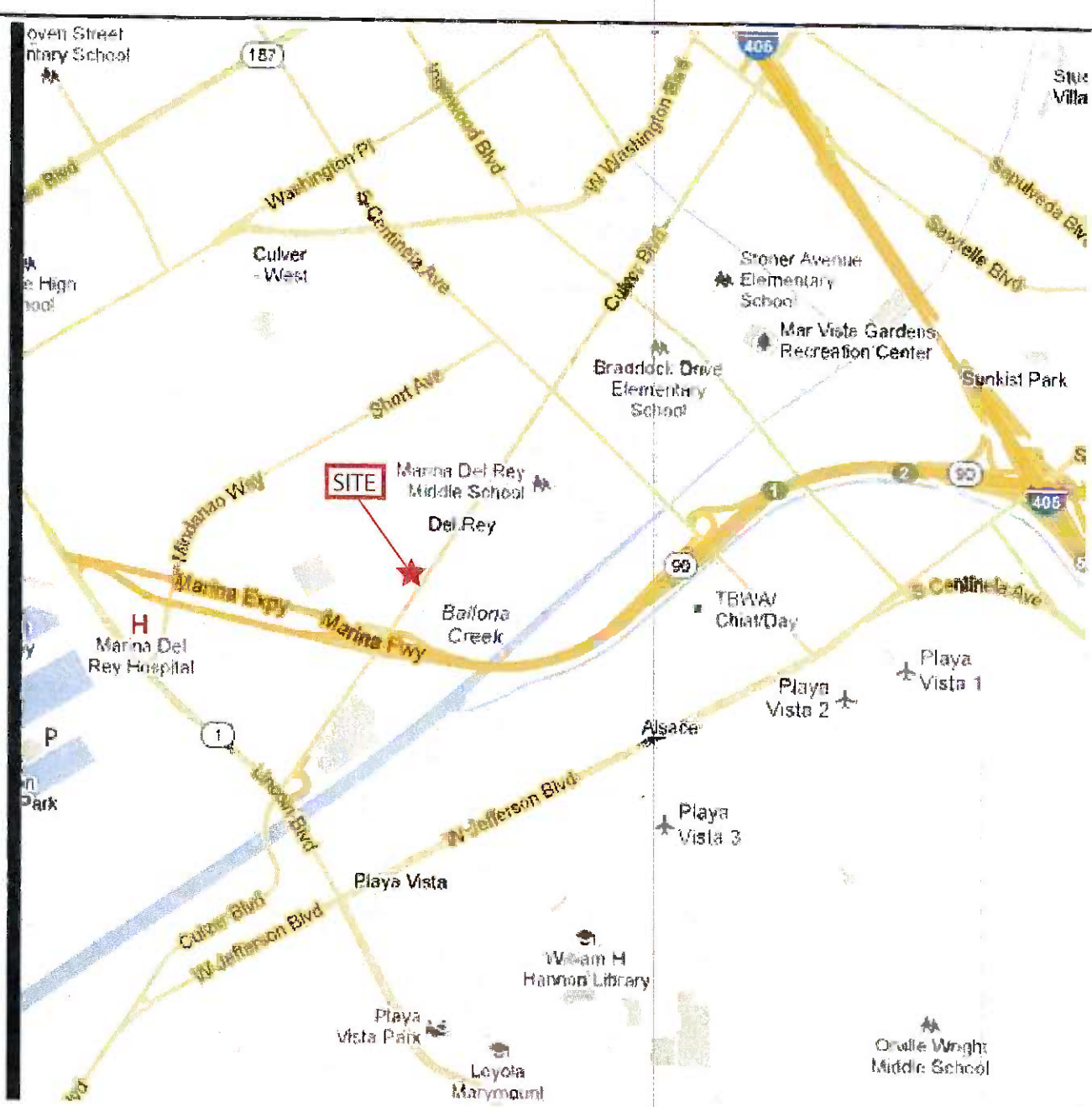
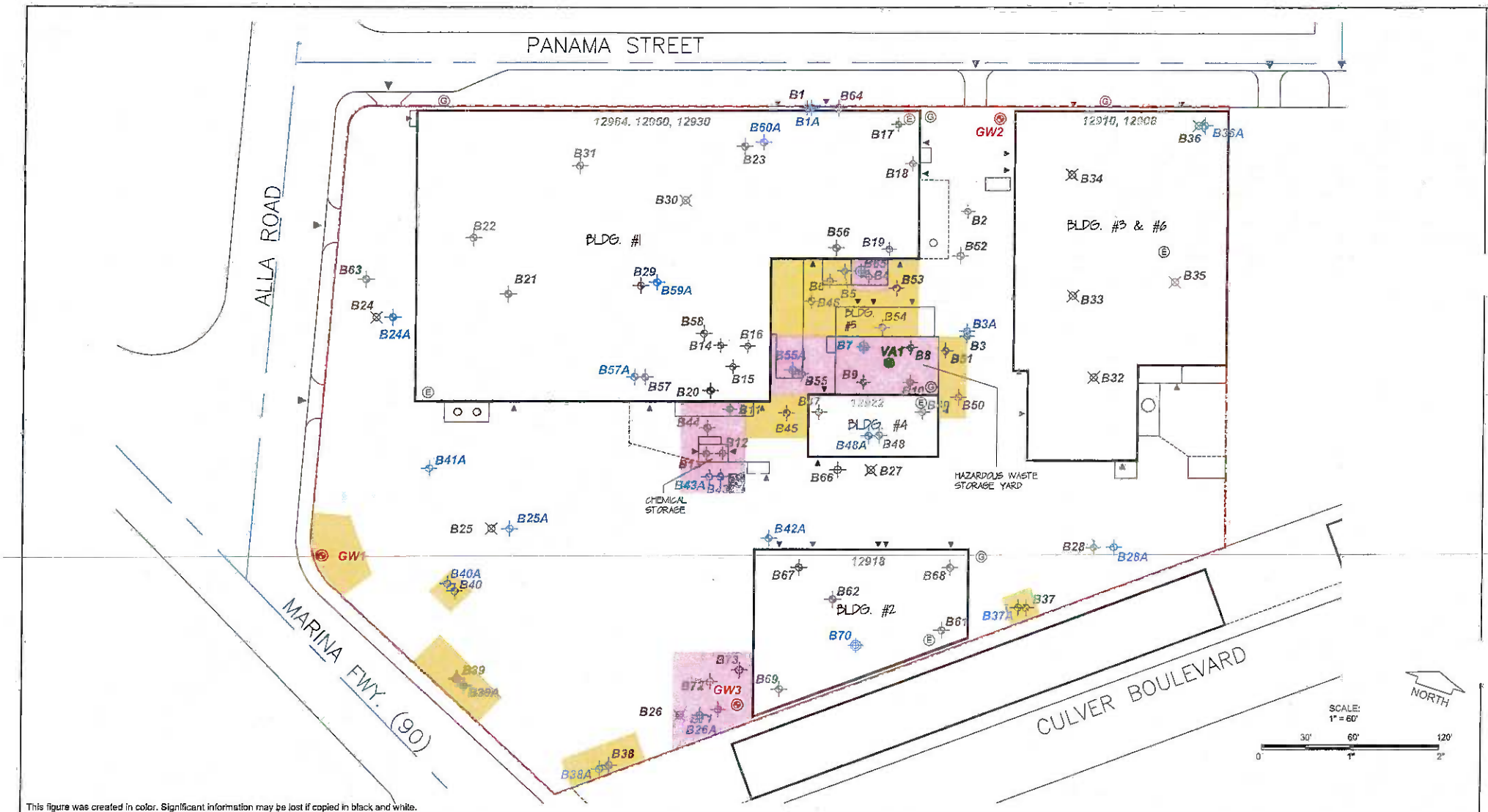


FIGURE 2 - SITE LOCATION MAP

Site: Teledyne Microelectronic Technologies 12908-12964 Panama Street	Source: Google Maps
City/State: Los Angeles, California	Alta Environmenal Proj. #: MCGU-13-2552

ALTA ENVIRONMENTAL
3777 Long Beach Blvd, Annex Building
Long Beach, California 90807
phone: (562) 495-5777 www.altaenviron.com



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LEGEND:

- Building Outline
- Approximate Outline of Site
- Center Line
- 12964 Address Number on Panama Street
- (E) Approximate Location of Utility Shut-off (Electrical)
- (G) Approximate Location of Utility Shut-off (Gas)
- Approximate Location of Access Point
- Soil Vapor Boring Location
- Soil Boring Location
- Soil/Soil Vapor Boring Location
- Hydropunch Groundwater Boring Location
- Soil/Hydropunch Groundwater Boring Location
- Vertical Assessment Boring Location
- Groundwater Monitoring Well Location
- Proposed Excavation Area to 5' bgs
- Proposed Excavation Area to 10' bgs

FIGURE 9: Proposed Excavation Areas

CLIENT: McGuireWoods, LLP	DRAWN: KAD	APPRV.: JB
	SCALE: 1" = 60'	DATE: July 2013
SITE: Panama Street Site 12922 Panama Street Los Angeles, California 90066		
ALTA PROJ. NO.: MCGU-13-2252		

ALTA ENVIRONMENTAL
3777 Long Beach Blvd. Annex Bldg. Long Beach CA 90807
P: (562) 495-5777 • F: (562) 495-5677 • altaenviron.com

Appendix C

Safety Rules and Personal Hygiene

Appendix C: Safety Rules and Personal Hygiene

Remove all facial hair that interferes with a satisfactory fit of respiratory protective equipment.

Do not wear contact lenses while wearing full-face respirators.

Do not take prescribed drugs unless specifically approved by a physician. Notify the SSO that prescription medication is being taken.

In the work zone, do not eat, drink, smoke, chew gum or tobacco, or engage in any other practice that increases the probability of hand-to-mouth transfer or ingestion of material.

Wash hands and face thoroughly after leaving the work area and before eating, drinking, or any other activities.

Thoroughly wash entire body as soon as possible after removing Level C protective garments.

Whenever possible, avoid contact with contaminated or suspected contaminated surfaces.

Appendix D

Field Standard Operating Procedures for Use and Decontamination of Personal Protective Equipment

Appendix D: Field Standard Operating Procedures for Use and Decontamination of Personal Protective Equipment

1. Park vehicles outside the Site boundaries.
2. During the pre-work safety meeting, the SSO will provide the following information:
   A. a description of the Site and known problem areas
   B. the level of protection required
   C. emergency medical information
   D. the locations of the first aid kit and fire extinguisher
3. Use the nearest lavatory.
4. Lay out and check safety gear.
5. Check and don Level D PPE.
6. For work in Level C PPE, put on safety gear in the following order:
   A. Coveralls
   B. Hearing Protection (if required)
   C. Gloves (inner and outer)
   D. Steel-toed work boots
   E. Connect suit and boots with tape
   F. Outer booties, if used
   G. Air purifying respirators (APRs), if required
   H. Eye protection (if using a ½ Face APR
   I. Hard hat
7. For work in Level C PPE, put on APRs as follows:
   A. Inspect.
      (1) Inspect before each use to ensure that they have been cleaned adequately.
      (2) Check material conditions for signs of pliability, deterioration, or distortion.
      (3) Examine cartridges and ensure that they are the correct type for the intended use, that the expiration date has not passed, and that they have not been opened or used previously.
      (4) Check face shields for cracks or fogginess.

B. Loosen all harness strap adjustments.

C. Place chin in chin cup and draw back evenly on strap adjustments - the two bottom straps first, then the two top straps, and the center top strap last.

D. Check that the respirator is centered evenly on the face and that the straps are not uncomfortably tight.

E. Check for leaks or proper facial seals.

(1) To conduct a negative-pressure test, close the inlet part with the palm of the hand so it does not pass air, and gently inhale for about 10 seconds. Any inward rush of air indicates a poor fit. Note that a leaking facepiece may be drawn tightly to the face to form a good seal, giving a false indication of adequate fit.

(2) To conduct a positive-pressure test, gently exhale while covering the exhalation valve to ensure that a positive pressure can be built up. Failure to build a positive pressure indicates a poor fit.

8. Put on the rest of the gear in the following order:

A. Raise hood

B. Hard hat, if necessary

C. Surgical gloves

D. Outer gloves

E. Connect gloves and suit with tape

9. Select a buddy to act as a safety backup.

10. Check your buddy's equipment and have your buddy check yours for rips, tears, or malfunctions. Pay special attention to respirators, making sure that seals are good and that cartridges are securely in place.

11. If any equipment or gear gets damaged or if your suit tears badly, GO BACK.

12. If you experience physical discomfort, breathing difficulties, light-headedness, dizziness, or other abnormalities, GO BACK.

13. When you return, have your buddy check for external accumulation of contamination and remove it. Also check gear for damage.

14. Decontamination will be performed in steps as follows (as appropriate for the PPE being utilized):

Step 1 – Segregated Equipment Drop: Deposit equipment used on-site (tools, sampling devices and containers, monitoring instruments, clipboards, etc.) in different containers with plastic liners. Each may be contaminated to a different degree. Segregation at the drop reduces the probability of cross-contamination. This equipment may be reused if properly decontaminated.

Equipment: various sizes of containers/plastic drop cloths

Step 2 – Boot Cover and Outer Glove Wash and Rinse: (Optional – will be used at the Site Safety Officer's discretion.)

Equipment: spray bottle/container with nozzle/ two wash basins or tubs/scrub brush/water/Liqui-nox non-phosphate soap solution (1%)

Step 3 – Tape Removal: Remove tape around boots and gloves, and deposit in container with plastic liner. Remove boot covers, then outer gloves, and place them in the container.

Equipment: container (30—50 gallons)/ plastic liners/ folding chairs

Step 4 – Safety Boot Wash and Rinse: (Optional - will be used at discretion of field team members.)

Equipment: two wash basins or tubs/scrub brush/water/ Liqui-nox solution (1%)

Step 5 – Protective Coveralls Removal: With the assistance of a helper, remove protective coveralls. Deposit in container with plastic liner.

Equipment: container (30–50 gallons)/folding chairs/plastic liners

Step 6 – Respirator Removal: Remove facepiece. Avoid touching face with gloves. If work is completed for the day, discard cartridges in lined container, and wash and rinse respirator.

Equipment: container (30–50 gallons)/ plastic liners

Step 7 – Inner Glove Removal: Remove inner gloves and deposit in container with plastic liner.

Equipment: container (20–30 gallons)/ plastic liners

15. Respirators will be cleaned daily by hand washing with MSA cleaner-sanitizer solution followed by a thorough rinse and air drying. NEVER ALLOW A RESPIRATOR TO DRY WITH THE STRAPS PLACED FORWARD ACROSS THE FACESHIELD BECAUSE THIS MAY CAUSE CHANGES IN THE FACE-TO-RESPIRATOR SEAL SURFACE. The specific procedures to be employed are as follows:

    A. Remove all cartridges (canisters) and filters plus gaskets and seals not permanently affixed to their seats.

    B. Loosen harness adjustment straps.

    C. Remove exhalation valve cover.

D. Remove inhalation and exhalation valves.

E. Remove protective face-shield cover.

F. Wash facepiece in MSA cleaner/sanitizer powder mixed with warm water, preferably at a temperature of 120 F. Wash components separately from facepiece. Heavy soil may be removed from the facepiece surface using a medium-soft hand brush.

G. Remove all parts from the wash solution, and rinse twice in clean, warm water.

H. Air-dry all parts in a designated clean area.

I. Pat facepieces, valves, and seats to remove any remaining soap residue, water, or other foreign material with a clean, damp, lint-free cloth.

J. Reassemble respirator.

K. Place respirator in a plastic bag and the respirator box or otherwise store the respirator to prevent exposure to dust, moisture, sunlight, damaging chemicals, extreme temperatures, and impact.

16. Investigation-derived waste material will be handled as follows:

A. Used PPE and disposable equipment will be double bagged and placed in a municipal refuse dumpster on Site. These wastes are not considered hazardous and can be sent to a municipal landfill. Any PPE and disposable equipment that is to be disposed of which can still be reused will be rendered inoperable before disposal in the refuse dumpster.

B. Wash and rinse waters from personal and equipment decontamination will be poured onto the ground or into a storm drain.

C. Soil cuttings generated during the subsurface sampling will be placed back into the soil borings from which the samples were obtained. Any remaining soil cuttings will be spread around the sampling location.

Appendix E

Heat Stress and Heat Stress Monitoring

Appendix E: Heat Stress and Heat Stress Monitoring

Heat is one of the most common (and potentially serious) illnesses at hazardous waste Sites where PPE is worn; therefore, regular monitoring and other preventive precautions are vital. Shelter from the sun will be provided during rest periods. Below is a list of the signs and symptoms of heat stress. Initial work schedules will be approximately 90 minutes of work followed by 15 minutes of rest. Work intervals will be adjusted to shorter periods based on the assessment of the SSO. Monitoring for heat stress will be conducted by visual observation by the individual team members.

Signs and Symptoms of Heat Stress

- **Heat rash** may result from continuous exposure to heat or humid air.
- **Heat cramps** are caused by heavy sweating with inadequate electrolyte replacement. Signs and symptoms include:
    - muscle spasms
    - pain in the hands, feet, and abdomen
- **Heat exhaustion** occurs from increased stress on various body organs, including inadequate blood circulation caused by cardiovascular insufficiency or dehydration. Signs and symptoms include:
    - pale, cool, moist skin
    - heavy sweating
    - dizziness
    - nausea
    - fainting
- **Heat stroke** is the most serious form of heat stress. Temperature regulation fails, and the body temperature rises to critical levels. Immediate action must be taken to cool the body before serious injury and death occur. Competent medical help must be obtained. Signs and symptoms include:
    - red, hot, usually dry skin
    - lack of or reduced perspiration
    - nausea
    - dizziness and confusion
    - strong, rapid pulse
    - coma

First-aid remedies for heat stress and heat stroke includes removing the worker to a cool place, providing cool water or a commercial sport drink, loosen tight clothing, and call for an ambulance if victim vomits or starts to lose consciousness.